ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1	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		
2	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		
3	M1O	04-015/00:08:40.1	14	D/L RF Warning: SC antenna change - expect signal level variation		
4	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		
5	M1O	04-015/00:10:17.3		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;		04-015/00:00:00.0
6	M1O	04-015/00:10:17.3		Dummy command to mark beg/end of mini sequences: cz504a, 2004-022T00:00:02.000	START_MINI	04-015/00:00:00.0
7	M1O	04-015/00:10:27.3		Deletes the designated file.: d:/seq/cz504.abs	FILE_DELETE	04-015/00:00:10.0
8	M1O	04-015/00:10:52.3		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-015/00:00:35.0
9	M1O	04-015/00:10:52.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/00:00:35.1
10	M1O	04-015/00:10:53.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/00:00:36.1
11	M1O	04-015/00:10:54.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-015/00:00:37.1
12	M1O	04-015/00:10:55.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-015/00:00:38.1
13	M1O	04-015/00:10:55.4	14	D/L RF Warning: SC antenna change - expect signal level variation		
14	M1O	04-015/00:10:56.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-015/00:00:39.1
15	M1O	04-015/00:11:06.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-015/00:00:49.1
16	M1O	04-015/00:11:16.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-015/00:00:59.1
17	M1O	04-015/00:11:17.3		Deletes the designated file.: d:/seq/cm037.abs	FILE_DELETE	04-015/00:01:00.0
18	M1O	04-015/00:15:18.3		Assigns a constant integer to a global variable.: GV_SPARE_18, 0	VM_GV_SET_INT	04-015/00:05:01.0
19	M1O	04-015/00:16:09.9		NOTE: South Pole Crossing 9250		04-015/00:05:52.6
20	M1O	04-015/00:16:16.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-015/00:05:59.1
21	M1O	04-015/00:16:17.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/00:06:00.1
22	M1O	04-015/00:16:17.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
23	M1O	04-015/00:16:18.4		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-015/00:06:01.1
24	M1O	04-015/00:16:28.9		NOTE: Periapsis 9250 ----------		04-015/00:06:11.5
25	M1O	04-015/00:16:31.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
26	M1O	04-015/00:21:31.0	14	Range Modulation On: SUP=3.0dB		
27	M1O	04-015/00:22:31.0	14	Begin Ranging Acquisition		
28	M1O	04-015/00:30:13.3		SPAWN, Engine = 65535, Parameters = 015, 01, TRUE, 00:17:50, 254, FALSE, 128_KPS,	uhf	04-015/00:19:56.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				00:02:00, 00:00:00		
29	M1O	04-015/00:30:13.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/00:19:56.5
30	M1O	04-015/00:30:13.8	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
31	M1O	04-015/00:30:14.4		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	04-015/00:19:57.1
32	M1O	04-015/00:30:16.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-015/00:19:59.1
33	M1O	04-015/00:30:16.7		CALL, Engine = , Parameters = 015, 01, 254	bld_autosw	04-015/00:19:59.4
34	M1O	04-015/00:30:17.8		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-015/00:20:00.5
35	M1O	04-015/00:30:18.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:01.6
36	M1O	04-015/00:30:19.9		Deletes the designated file.: d:/dat/254_doy015_pass01_file01.dat	FILE_DELETE	04-015/00:20:02.6
37	M1O	04-015/00:30:21.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:03.7
38	M1O	04-015/00:30:22.0		Deletes the designated file.: d:/dat/254_doy015_pass01_file02.dat	FILE_DELETE	04-015/00:20:04.7
39	M1O	04-015/00:30:23.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:05.8
40	M1O	04-015/00:30:24.1		Deletes the designated file.: d:/dat/254_doy015_pass01_file03.dat	FILE_DELETE	04-015/00:20:06.8
41	M1O	04-015/00:30:25.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:07.9
42	M1O	04-015/00:30:26.2		Deletes the designated file.: d:/dat/254_doy015_pass01_file04.dat	FILE_DELETE	04-015/00:20:08.9
43	M1O	04-015/00:30:27.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:10.0
44	M1O	04-015/00:30:28.3		Deletes the designated file.: d:/dat/254_doy015_pass01_file05.dat	FILE_DELETE	04-015/00:20:11.0
45	M1O	04-015/00:30:29.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:12.1
46	M1O	04-015/00:30:30.4		Deletes the designated file.: d:/dat/254_doy015_pass01_file06.dat	FILE_DELETE	04-015/00:20:13.1
47	M1O	04-015/00:30:31.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:14.2
48	M1O	04-015/00:30:32.5		Deletes the designated file.: d:/dat/254_doy015_pass01_file07.dat	FILE_DELETE	04-015/00:20:15.2
49	M1O	04-015/00:30:33.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:16.3
50	M1O	04-015/00:30:34.6		Deletes the designated file.: d:/dat/254_doy015_pass01_file08.dat	FILE_DELETE	04-015/00:20:17.3
51	M1O	04-015/00:30:35.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:18.4
52	M1O	04-015/00:30:36.7		Deletes the designated file.: d:/dat/254_doy015_pass01_file09.dat	FILE_DELETE	04-015/00:20:19.4
53	M1O	04-015/00:30:37.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:20.5
54	M1O	04-015/00:30:38.8		Deletes the designated file.: d:/dat/254_doy015_pass01_file10.dat	FILE_DELETE	04-015/00:20:21.5
55	M1O	04-015/00:30:39.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:22.6
56	M1O	04-015/00:30:40.9		Deletes the designated file.: d:/dat/254_doy015_pass01_file11.dat	FILE_DELETE	04-015/00:20:23.6
57	M1O	04-015/00:30:42.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:24.7
58	M1O	04-015/00:30:43.0		Deletes the designated file.: d:/dat/254_doy015_pass01_file12.dat	FILE_DELETE	04-015/00:20:25.7
59	M1O	04-015/00:30:44.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:26.8
60	M1O	04-015/00:30:45.1		Deletes the designated file.: d:/dat/254_doy015_pass01_file13.dat	FILE_DELETE	04-015/00:20:27.8
61	M1O	04-015/00:30:46.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:28.9
62	M1O	04-015/00:30:47.2		Deletes the designated file.: d:/dat/254_doy015_pass01_file14.dat	FILE_DELETE	04-015/00:20:29.9
63	M1O	04-015/00:30:48.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:31.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
64	M1O	04-015/00:30:49.3		Deletes the designated file.: d:/dat/254_doy015_pass01_file15.dat	FILE_DELETE	04-015/00:20:32.0
65	M1O	04-015/00:30:50.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:33.1
66	M1O	04-015/00:30:51.4		Deletes the designated file.: d:/dat/254_doy015_pass01_file16.dat	FILE_DELETE	04-015/00:20:34.1
67	M1O	04-015/00:30:52.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:35.2
68	M1O	04-015/00:30:53.5		Deletes the designated file.: d:/dat/254_doy015_pass01_file17.dat	FILE_DELETE	04-015/00:20:36.2
69	M1O	04-015/00:30:54.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:37.3
70	M1O	04-015/00:30:55.6		Deletes the designated file.: d:/dat/254_doy015_pass01_file18.dat	FILE_DELETE	04-015/00:20:38.3
71	M1O	04-015/00:30:56.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/00:20:39.4
72	M1O	04-015/00:30:57.7		Deletes the designated file.: d:/dat/254_doy015_pass01_file19.dat	FILE_DELETE	04-015/00:20:40.4
73	M1O	04-015/00:30:58.7		CALL, Engine = , Parameters = 254	get_apid	04-015/00:20:41.4
74	M1O	04-015/00:30:59.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-015/00:20:42.5
75	M1O	04-015/00:31:00.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-015/00:20:42.7
76	M1O	04-015/00:31:01.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-015/00:20:43.8
77	M1O	04-015/00:31:02.4		CALL, Engine = , Parameters = 254	get_coding	04-015/00:20:45.1
78	M1O	04-015/00:31:03.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-015/00:20:46.3
79	M1O	04-015/00:31:04.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-015/00:20:47.5
80	M1O	04-015/00:32:09.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-015/00:21:52.3
81	M1O	04-015/00:32:10.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-015/00:21:53.3
82	M1O	04-015/00:32:11.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-015/00:21:54.3
83	M1O	04-015/00:32:12.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-015/00:21:55.3
84	M1O	04-015/00:32:13.6		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-015/00:21:56.3
85	M1O	04-015/00:32:14.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-015/00:21:57.3
86	M1O	04-015/00:32:15.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-015/00:21:58.3
87	M1O	04-015/00:33:15.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
88	M1O	04-015/00:34:05.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/00:23:48.3
89	M1O	04-015/00:34:15.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-015/00:23:58.3
90	M1O	04-015/00:36:02.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/00:25:45.0
91	M1O	04-015/00:37:05.6	14	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
92	M1O	04-015/00:42:07.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/00:31:50.0
93	M1O	04-015/00:42:07.4	14	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
94	M1O	04-015/00:42:08.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/00:31:51.0
95	M1O	04-015/00:42:08.4	14	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
96	M1O	04-015/00:43:15.0	14	Range Modulation Off		
97	M1O	04-015/00:44:05.2		NOTE: Enter Solar Eclipse 9250		04-015/00:33:47.8
98	M1O	04-015/00:45:27.5		NOTE: Ascending Node Crossing 9250		04-015/00:35:10.1
99	M1O	04-015/00:48:15.0	14	X-Band Transmitter Off		
100	M1O	04-015/00:50:03.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-015/00:39:46.3
101	M1O	04-015/00:50:04.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-015/00:39:47.4
102	M1O	04-015/00:50:14.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-015/00:39:57.4
103	M1O	04-015/00:50:15.8		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	04-015/00:39:58.4
104	M1O	04-015/00:50:16.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data	DOWNLINK_MODE	04-015/00:39:59.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				stream.: NOM_TLM		
105	M1O	04-015/00:50:16.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
106	M1O	04-015/00:50:17.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-015/00:40:00.4
107	M1O	04-015/00:55:16.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/00:44:59.0
108	M1O	04-015/00:55:16.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
109	M1O	04-015/01:03:00.9		NOTE: Exit Solar Eclipse 9250		04-015/00:52:43.4
110	M1O	04-015/01:07:47.7		SPAWN, Engine = 65535, Parameters = 3, 00:27:54, 1	dpt	04-015/00:57:30.2
111	M1O	04-015/01:07:49.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/00:57:32.3
112	M1O	04-015/01:07:49.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
113	M1O	04-015/01:07:50.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/00:57:33.3
114	M1O	04-015/01:08:49.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
115	M1O	04-015/01:08:51.5		NOTE: ENTER HGA KEEP OUT ZONE		
116	M1O	04-015/01:08:51.5	14	NOTE: Loss Of X-Band Signal		
117	M1O	04-015/01:10:09.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
118	M1O	04-015/01:14:51.2		NOTE: Enter Planetary Atmosphere 9250		04-015/01:04:33.6
119	M1O	04-015/01:15:09.0	14	Range Modulation On: SUP=3.0dB		
120	M1O	04-015/01:15:27.7		NOTE: North Pole Crossing 9250		04-015/01:05:10.2
121	M1O	04-015/01:16:01.6		NOTE: Apoapsis 9250 -		04-015/01:05:44.1
122	M1O	04-015/01:16:09.0	14	Begin Ranging Acquisition		
123	M1O	04-015/01:16:59.1		NOTE: Enter Earth Occultation 9250		04-015/01:06:41.6
124	M1O	04-015/01:21:31.5		NOTE: EXIT HGA KEEP OUT ZONE		
125	M1O	04-015/01:30:11.9		NOTE: Exit Earth Occultation 9250		04-015/01:19:54.4
126	M1O	04-015/01:30:11.9	14	Acquisition Of X-Band Signal		
127	M1O	04-015/01:30:11.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
128	M1O	04-015/01:30:44.0	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
129	M1O	04-015/01:32:21.2		NOTE: Exit Planetary Atmosphere 9250		04-015/01:22:03.6
130	M1O	04-015/01:35:43.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/01:25:26.3
131	M1O	04-015/01:35:43.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
132	M1O	04-015/01:35:44.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-015/01:25:27.3
133	M1O	04-015/01:45:28.9		NOTE: Descending Node Crossing 9251		04-015/01:35:11.2
134	M1O	04-015/02:14:47.0		NOTE: South Pole Crossing 9251		04-015/02:04:29.3
135	M1O	04-015/02:15:05.8		NOTE: Periapsis 9251 ----------		04-015/02:04:48.1
136	M1O	04-015/02:28:40.7		SPAWN, Engine = 65535, Parameters = 015, 02, FALSE, 00:15:35.771, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-015/02:18:23.0
137	M1O	04-015/02:28:41.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-015/02:18:24.1
138	M1O	04-015/02:28:43.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-015/02:18:26.1
139	M1O	04-015/02:29:26.0		CALL, Engine = , Parameters = 254	get_apid	04-015/02:19:08.3
140	M1O	04-015/02:29:27.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-015/02:19:09.4
141	M1O	04-015/02:29:27.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-015/02:19:09.6
142	M1O	04-015/02:29:28.4		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-015/02:19:10.7
143	M1O	04-015/02:29:29.7		CALL, Engine = , Parameters = 254	get_coding	04-015/02:19:12.0
144	M1O	04-015/02:29:30.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-015/02:19:13.2
145	M1O	04-015/02:29:32.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-015/02:19:14.4
146	M1O	04-015/02:30:36.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-015/02:20:19.2
147	M1O	04-015/02:30:37.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-015/02:20:20.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
148	M1O	04-015/02:30:38.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-015/02:20:21.2
149	M1O	04-015/02:30:39.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-015/02:20:22.2
150	M1O	04-015/02:30:40.9		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-015/02:20:23.2
151	M1O	04-015/02:30:41.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-015/02:20:24.2
152	M1O	04-015/02:30:42.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-015/02:20:25.2
153	M1O	04-015/02:31:52.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
154	M1O	04-015/02:41:52.0	14	Range Modulation Off		
155	M1O	04-015/02:42:41.5		NOTE: Enter Solar Eclipse 9251		04-015/02:32:23.7
156	M1O	04-015/02:44:04.3		NOTE: Ascending Node Crossing 9251		04-015/02:33:46.5
157	M1O	04-015/02:46:14.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-015/02:35:56.9
158	M1O	04-015/02:46:15.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-015/02:35:58.0
159	M1O	04-015/02:46:25.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-015/02:36:08.0
160	M1O	04-015/02:46:26.8		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	04-015/02:36:09.0
161	M1O	04-015/02:46:52.0	14	X-Band Transmitter Off		
162	M1O	04-015/03:01:36.5		NOTE: Exit Solar Eclipse 9251		04-015/02:51:18.7
163	M1O	04-015/03:06:25.0		SPAWN, Engine = 65535, Parameters = 3, 00:27:54, 1	dpt	04-015/02:56:07.2
164	M1O	04-015/03:06:27.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/02:56:09.3
165	M1O	04-015/03:06:27.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
166	M1O	04-015/03:06:28.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/02:56:10.3
167	M1O	04-015/03:07:27.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
168	M1O	04-015/03:07:28.8		NOTE: ENTER HGA KEEP OUT ZONE		
169	M1O	04-015/03:07:28.8	14	NOTE: Loss Of X-Band Signal		
170	M1O	04-015/03:08:46.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
171	M1O	04-015/03:13:27.6		NOTE: Enter Planetary Atmosphere 9251		04-015/03:03:09.7
172	M1O	04-015/03:13:46.0	14	Range Modulation On: SUP=3.0dB		
173	M1O	04-015/03:14:04.4		NOTE: North Pole Crossing 9251		04-015/03:03:46.5
174	M1O	04-015/03:14:24.6		NOTE: Apoapsis 9251 -		04-015/03:04:06.7
175	M1O	04-015/03:14:46.0	14	Begin Ranging Acquisition		
176	M1O	04-015/03:15:35.4		NOTE: Enter Earth Occultation 9251		04-015/03:05:17.5
177	M1O	04-015/03:20:08.9		NOTE: EXIT HGA KEEP OUT ZONE		
178	M1O	04-015/03:28:49.1		NOTE: Exit Earth Occultation 9251		04-015/03:18:31.2
179	M1O	04-015/03:28:49.1	14	Acquisition Of X-Band Signal		
180	M1O	04-015/03:28:49.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
181	M1O	04-015/03:29:21.7	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
182	M1O	04-015/03:30:58.3		NOTE: Exit Planetary Atmosphere 9251		04-015/03:20:40.3
183	M1O	04-015/03:34:21.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/03:24:03.3
184	M1O	04-015/03:34:21.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
185	M1O	04-015/03:34:22.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-015/03:24:04.3
186	M1O	04-015/03:44:05.3		NOTE: Descending Node Crossing 9252		04-015/03:33:47.3
187	M1O	04-015/04:13:23.5		NOTE: South Pole Crossing 9252		04-015/04:03:05.4
188	M1O	04-015/04:13:37.4		NOTE: Periapsis 9252 ----------		04-015/04:03:19.3
189	M1O	04-015/04:19:05.6		Invokes a snapshot of the most recently acquired star camera image for inclusion in nonchannelized telemetry.: 0x0040	SC_PICTURE_DUMP	04-015/04:08:47.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
190	M1O	04-015/04:20:05.6		Invokes a snapshot of the most recently acquired star camera image for inclusion in nonchannelized telemetry.: 0x0040	SC_PICTURE_DUMP	04-015/04:09:47.5
191	M1O	04-015/04:30:28.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
192	M1O	04-015/04:33:05.6		Invokes a snapshot of the most recently acquired star camera image for inclusion in nonchannelized telemetry.: 0x0040	SC_PICTURE_DUMP	04-015/04:22:47.5
193	M1O	04-015/04:34:05.6		Invokes a snapshot of the most recently acquired star camera image for inclusion in nonchannelized telemetry.: 0x0040	SC_PICTURE_DUMP	04-015/04:23:47.5
194	M1O	04-015/04:40:28.0	14	Range Modulation Off		
195	M1O	04-015/04:41:18.2		NOTE: Enter Solar Eclipse 9252		04-015/04:31:00.1
196	M1O	04-015/04:42:40.9		NOTE: Ascending Node Crossing 9252		04-015/04:32:22.7
197	M1O	04-015/04:45:28.0	14	X-Band Transmitter Off		
198	M1O	04-015/04:55:05.7		Invokes a snapshot of the most recently acquired star camera image for inclusion in nonchannelized telemetry.: 0x0040	SC_PICTURE_DUMP	04-015/04:44:47.5
199	M1O	04-015/04:56:05.7		Invokes a snapshot of the most recently acquired star camera image for inclusion in nonchannelized telemetry.: 0x0040	SC_PICTURE_DUMP	04-015/04:45:47.5
200	M1O	04-015/04:56:20.7		Invokes a snapshot of the most recently acquired star camera image for inclusion in nonchannelized telemetry.: 0x0020	SC_PICTURE_DUMP	04-015/04:46:02.5
201	M1O	04-015/05:00:15.3		NOTE: Exit Solar Eclipse 9252		04-015/04:49:57.1
202	M1O	04-015/05:05:01.4		SPAWN, Engine = 65535, Parameters = 3, 00:27:58, 1	dpt	04-015/04:54:43.2
203	M1O	04-015/05:05:03.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/04:54:45.3
204	M1O	04-015/05:05:03.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
205	M1O	04-015/05:05:04.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/04:54:46.3
206	M1O	04-015/05:06:04.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
207	M1O	04-015/05:06:05.2		NOTE: ENTER HGA KEEP OUT ZONE		
208	M1O	04-015/05:06:05.2	14	NOTE: Loss Of X-Band Signal		
209	M1O	04-015/05:07:26.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
210	M1O	04-015/05:11:57.2		NOTE: Enter Planetary Atmosphere 9252		04-015/05:01:38.9
211	M1O	04-015/05:12:26.0	14	Range Modulation On: SUP=3.0dB		
212	M1O	04-015/05:12:40.0		NOTE: North Pole Crossing 9252		04-015/05:02:21.7
213	M1O	04-015/05:12:45.9		NOTE: Apoapsis 9252 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
231	M1O	04-015/05:55:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
232	M1O	04-015/05:55:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
233	M1O	04-015/05:55:00.0	43	At BOT: S/C Transmitter Status: PWR=OFF, EXC=1, PWR=OFF, EXC=2		
234	M1O	04-015/05:55:00.0	43	Config: RCV: Parms:		
235	M1O	04-015/05:55:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
236	M1O	04-015/05:55:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
237	M1O	04-015/05:55:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
238	M1O	04-015/05:55:40.4		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-015/05:45:22.0
239	M1O	04-015/05:55:40.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-015/05:45:22.1
240	M1O	04-015/05:55:41.5		Forces a desaturation of the reaction wheels.	RW_DESAT	04-015/05:45:23.1
241	M1O	04-015/05:56:47.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	04-015/05:46:29.0
242	M1O	04-015/05:57:03.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-013T05:46:29.100, 2004-015T05:46:29.100	PCKTS_RE_TX_TIME	04-015/05:46:44.8
243	M1O	04-015/05:57:04.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-013T05:46:29.100, 2004-015T05:46:29.100	PCKTS_RE_TX_TIME	04-015/05:46:45.8
244	M1O	04-015/05:57:05.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-013T05:46:29.100, 2004-015T05:46:29.100	PCKTS_RE_TX_TIME	04-015/05:46:46.8
245	M1O	04-015/05:57:06.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-013T05:46:29.100, 2004-015T05:46:29.100	PCKTS_RE_TX_TIME	04-015/05:46:47.8
246	M1O	04-015/05:57:07.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-013T05:46:29.100, 2004-015T05:46:29.100	PCKTS_RE_TX_TIME	04-015/05:46:48.8
247	M1O	04-015/05:57:08.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-013T05:46:29.100, 2004-015T05:46:29.100	PCKTS_RE_TX_TIME	04-015/05:46:49.8
248	M1O	04-015/05:57:08.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-015/05:46:49.8
249	M1O	04-015/05:57:08.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
250	M1O	04-015/06:04:09.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/05:53:50.8
251	M1O	04-015/06:04:09.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
252	M1O	04-015/06:04:10.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/05:53:51.8
253	M1O	04-015/06:04:40.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	04-015/05:54:21.8
254	M1O	04-015/06:04:40.2	14	NOTE: Loss Of X-Band Signal		
255	M1O	04-015/06:04:50.2		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	04-015/05:54:31.8
256	M1O	04-015/06:04:51.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-015/05:54:32.8
257	M1O	04-015/06:04:52.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-015/05:54:33.8
258	M1O	04-015/06:07:11.5		CALL, Engine = , Parameters = FALSE	park_hga	04-015/05:56:53.1
259	M1O	04-015/06:07:11.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/05:56:53.1
260	M1O	04-015/06:07:12.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-015/05:56:54.1
261	M1O	04-015/06:07:13.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-015/05:56:55.1
262	M1O	04-015/06:07:13.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-015/05:56:55.1
263	M1O	04-015/06:07:13.5		NOTE: START HGA PARK		
264	M1O	04-015/06:07:14.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-015/05:56:56.1
265	M1O	04-015/06:07:15.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-015/05:56:57.1
266	M1O	04-015/06:11:45.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-015/06:01:27.1
267	M1O	04-015/06:11:57.7		NOTE: South Pole Crossing 9253		04-015/06:01:39.2
268	M1O	04-015/06:12:11.9		NOTE: Periapsis 9253 ----------		04-015/06:01:53.5
269	M1O	04-015/06:15:15.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-015/06:04:57.1
270	M1O	04-015/06:15:15.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-015/06:04:57.1
271	M1O	04-015/06:25:00.0	43	Begin Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
272	M1O	04-015/06:33:55.5		SPAWN, Engine = 65535, Parameters = 015, 01, FALSE, 00:19:10.365, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-015/06:23:37.0
273	M1O	04-015/06:33:56.6		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	04-015/06:23:38.1
274	M1O	04-015/06:33:58.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-015/06:23:40.1
275	M1O	04-015/06:34:40.8		CALL, Engine = , Parameters = 56	get_apid	04-015/06:24:22.3
276	M1O	04-015/06:34:41.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-015/06:24:23.4
277	M1O	04-015/06:34:42.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-015/06:24:23.6
278	M1O	04-015/06:34:43.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-015/06:24:24.7
279	M1O	04-015/06:34:44.4		CALL, Engine = , Parameters = 56	get_coding	04-015/06:24:25.9
280	M1O	04-015/06:34:45.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-015/06:24:27.1
281	M1O	04-015/06:34:46.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-015/06:24:28.3
282	M1O	04-015/06:35:51.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-015/06:25:33.1
283	M1O	04-015/06:35:52.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-015/06:25:34.1
284	M1O	04-015/06:35:53.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-015/06:25:35.1
285	M1O	04-015/06:35:54.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-015/06:25:36.1
286	M1O	04-015/06:35:55.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-015/06:25:37.1
287	M1O	04-015/06:35:56.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-015/06:25:38.1
288	M1O	04-015/06:35:57.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-015/06:25:39.1
289	M1O	04-015/06:39:51.9		NOTE: Enter Solar Eclipse 9253		04-015/06:29:33.3
290	M1O	04-015/06:41:15.0		NOTE: Ascending Node Crossing 9253		04-015/06:30:56.4
291	M1O	04-015/06:45:00.0	14	End Tracking		
292	M1O	04-015/06:45:15.5		GV: GV_DESAT_ACTIVE = 1		04-015/06:34:57.0
293	M1O	04-015/06:45:16.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-015/06:34:58.0
294	M1O	04-015/06:45:16.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-015/06:34:58.0
295	M1O	04-015/06:55:04.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-015/06:44:45.4
296	M1O	04-015/06:55:05.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-015/06:44:46.5
297	M1O	04-015/06:55:15.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-015/06:44:56.5
298	M1O	04-015/06:55:15.6		GV: GV_DESAT_ACTIVE = 0		04-015/06:44:57.0
299	M1O	04-015/06:55:16.1		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	04-015/06:44:57.5
300	M1O	04-015/06:55:16.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-015/06:44:58.0
301	M1O	04-015/06:55:17.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-015/06:44:59.0
302	M1O	04-015/06:55:18.6		CALL, Engine = , Parameters =	unpark_hga	04-015/06:45:00.0
303	M1O	04-015/06:55:18.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-015/06:45:00.0
304	M1O	04-015/06:55:19.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-015/06:45:01.0
305	M1O	04-015/06:58:52.5		NOTE: Exit Solar Eclipse 9253		04-015/06:48:33.9
306	M1O	04-015/06:59:49.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-015/06:49:31.0
307	M1O	04-015/06:59:50.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-015/06:49:32.0
308	M1O	04-015/07:00:00.0	14	End Post-Cal		
309	M1O	04-015/07:03:15.6		SPAWN, Engine = 65535, Parameters = 00:27:25.878	cstr	04-015/06:52:57.0
310	M1O	04-015/07:03:15.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/06:52:57.1
311	M1O	04-015/07:03:16.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/06:52:58.1
312	M1O	04-015/07:03:17.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-015/06:52:59.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
313	M1O	04-015/07:03:18.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-015/06:53:00.1
314	M1O	04-015/07:03:19.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-015/06:53:01.1
315	M1O	04-015/07:03:29.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-015/06:53:11.1
316	M1O	04-015/07:03:39.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-015/06:53:21.1
317	M1O	04-015/07:03:50.6		NOTE: EXIT HGA PARK		
318	M1O	04-015/07:03:50.6	43	Acquisition Of X-Band Signal		
319	M1O	04-015/07:03:50.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
320	M1O	04-015/07:04:39.6		NOTE: ENTER HGA KEEP OUT ZONE		
321	M1O	04-015/07:04:39.6	43	NOTE: Loss Of X-Band Signal		
322	M1O	04-015/07:10:18.6		SPAWN, Engine = 65535, Parameters =	scdiag	04-015/07:00:00.0
323	M1O	04-015/07:10:19.7		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-015/07:00:01.1
324	M1O	04-015/07:10:20.7		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-015/07:00:02.1
325	M1O	04-015/07:10:24.4		NOTE: Enter Planetary Atmosphere 9253		04-015/07:00:05.8
326	M1O	04-015/07:11:13.0		NOTE: North Pole Crossing 9253		04-015/07:00:54.4
327	M1O	04-015/07:11:21.6		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-015/07:01:03.0
328	M1O	04-015/07:11:21.8		NOTE: Start Block fsw_diag		04-015/07:01:03.2
329	M1O	04-015/07:11:22.8		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-015/07:01:04.2
330	M1O	04-015/07:11:23.8		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	04-015/07:01:05.2
331	M1O	04-015/07:11:27.2		NOTE: Apoapsis 9253 -		04-015/07:01:08.6
332	M1O	04-015/07:11:34.8		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	04-015/07:01:16.2
333	M1O	04-015/07:12:04.8		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-015/07:01:46.2
334	M1O	04-015/07:12:24.8		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-015/07:02:06.2
335	M1O	04-015/07:12:29.4		NOTE: Enter Earth Occultation 9253		04-015/07:02:10.7
336	M1O	04-015/07:12:34.8		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-015/07:02:16.2
337	M1O	04-015/07:12:54.8		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-015/07:02:36.2
338	M1O	04-015/07:13:04.8		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-015/07:02:46.2
339	M1O	04-015/07:13:09.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-015/07:02:51.2
340	M1O	04-015/07:13:14.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-015/07:02:56.2
341	M1O	04-015/07:13:19.8		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-015/07:03:01.2
342	M1O	04-015/07:13:24.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-015/07:03:06.2
343	M1O	04-015/07:13:29.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-015/07:03:11.2
344	M1O	04-015/07:14:09.8		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-015/07:03:51.2
345	M1O	04-015/07:14:14.8		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-015/07:03:56.2
346	M1O	04-015/07:14:19.8		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-015/07:04:01.2
347	M1O	04-015/07:14:24.8		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-015/07:04:06.2
348	M1O	04-015/07:14:29.8		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-015/07:04:11.2
349	M1O	04-015/07:14:30.8		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-015/07:04:12.2
350	M1O	04-015/07:14:31.8		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-015/07:04:13.2
351	M1O	04-015/07:14:32.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-015/07:04:14.2
352	M1O	04-015/07:14:43.8		NOTE: End Block fsw_diag.mod		04-015/07:04:25.2
353	M1O	04-015/07:17:19.6		NOTE: EXIT HGA KEEP OUT ZONE		
354	M1O	04-015/07:26:06.5		NOTE: Exit Earth Occultation 9253		04-015/07:15:47.8
355	M1O	04-015/07:26:06.5	43	Acquisition Of X-Band Signal		
356	M1O	04-015/07:26:06.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
357	M1O	04-015/07:28:12.7		NOTE: Exit Planetary Atmosphere 9253		04-015/07:17:54.0
358	M1O	04-015/07:31:05.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-015/07:20:46.9
359	M1O	04-015/07:31:06.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/07:20:47.9
360	M1O	04-015/07:31:06.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
361	M1O	04-015/07:31:07.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-015/07:20:48.9
362	M1O	04-015/07:41:11.6		NOTE: Descending Node Crossing 9254		04-015/07:30:52.9
363	M1O	04-015/08:10:29.0		NOTE: South Pole Crossing 9254		04-015/08:00:10.1
364	M1O	04-015/08:10:42.3		NOTE: Periapsis 9254 ----------		04-015/08:00:23.5
365	M1O	04-015/08:34:56.9		SPAWN, Engine = 65535, Parameters = 015, 02, FALSE, 00:12:12.610, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-015/08:24:38.0
366	M1O	04-015/08:34:58.0		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	04-015/08:24:39.1
367	M1O	04-015/08:35:00.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-015/08:24:41.1
368	M1O	04-015/08:35:42.2		CALL, Engine = , Parameters = 56	get_apid	04-015/08:25:23.3
369	M1O	04-015/08:35:43.3		CALL, Engine = , Parameters = 56	get_rcv_mode	04-015/08:25:24.4
370	M1O	04-015/08:35:43.5		CALL, Engine = , Parameters = 56	get_dl_rate	04-015/08:25:24.6
371	M1O	04-015/08:35:44.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-015/08:25:25.7
372	M1O	04-015/08:35:45.8		CALL, Engine = , Parameters = 56	get_coding	04-015/08:25:26.9
373	M1O	04-015/08:35:47.0		CALL, Engine = , Parameters = 56	get_xmt_mode	04-015/08:25:28.1
374	M1O	04-015/08:35:48.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-015/08:25:29.3
375	M1O	04-015/08:36:53.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-015/08:26:34.1
376	M1O	04-015/08:36:54.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-015/08:26:35.1
377	M1O	04-015/08:36:55.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-015/08:26:36.1
378	M1O	04-015/08:36:56.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-015/08:26:37.1
379	M1O	04-015/08:36:57.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-015/08:26:38.1
380	M1O	04-015/08:36:58.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-015/08:26:39.1
381	M1O	04-015/08:36:59.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-015/08:26:40.1
382	M1O	04-015/08:38:22.2		NOTE: Enter Solar Eclipse 9254		04-015/08:28:03.3
383	M1O	04-015/08:39:45.7		NOTE: Ascending Node Crossing 9254		04-015/08:29:26.8
384	M1O	04-015/08:49:07.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-015/08:38:48.7
385	M1O	04-015/08:49:08.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-015/08:38:49.8
386	M1O	04-015/08:49:18.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-015/08:38:59.8
387	M1O	04-015/08:49:19.7		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	04-015/08:39:00.8
388	M1O	04-015/08:57:22.7		NOTE: Exit Solar Eclipse 9254		04-015/08:47:03.7
389	M1O	04-015/09:02:10.0		SPAWN, Engine = 65535, Parameters = 3, 00:27:24.326, 1	dpt	04-015/08:51:51.0
390	M1O	04-015/09:02:12.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/08:51:53.1
391	M1O	04-015/09:02:12.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
392	M1O	04-015/09:02:13.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/08:51:54.1
393	M1O	04-015/09:03:12.0		NOTE: ENTER HGA KEEP OUT ZONE		
394	M1O	04-015/09:03:12.0	43	NOTE: Loss Of X-Band Signal		
395	M1O	04-015/09:08:56.0		NOTE: Enter Planetary Atmosphere 9254		04-015/08:58:37.0
396	M1O	04-015/09:09:44.1		NOTE: North Pole Crossing 9254		04-015/08:59:25.1
397	M1O	04-015/09:09:57.4		NOTE: Apoapsis 9254 -		04-015/08:59:38.4
398	M1O	04-015/09:11:01.2		NOTE: Enter Earth Occultation 9254		04-015/09:00:42.2
399	M1O	04-015/09:15:52.0		NOTE: EXIT HGA KEEP OUT ZONE		
400	M1O	04-015/09:24:36.3		NOTE: Exit Earth Occultation 9254		04-015/09:14:17.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
401	M1O	04-015/09:24:36.3	43	Acquisition Of X-Band Signal		
402	M1O	04-015/09:24:36.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
403	M1O	04-015/09:26:42.9		NOTE: Exit Planetary Atmosphere 9254		04-015/09:16:23.8
404	M1O	04-015/09:29:36.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/09:19:17.4
405	M1O	04-015/09:29:36.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
406	M1O	04-015/09:29:37.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-015/09:19:18.4
407	M1O	04-015/09:39:43.0		NOTE: Descending Node Crossing 9255		04-015/09:29:23.9
408	M1O	04-015/10:08:54.9		NOTE: Periapsis 9255 ----------		04-015/09:58:35.7
409	M1O	04-015/10:09:00.0		NOTE: South Pole Crossing 9255		04-015/09:58:40.8
410	M1O	04-015/10:36:55.6		NOTE: Enter Solar Eclipse 9255		04-015/10:26:36.3
411	M1O	04-015/10:38:17.2		NOTE: Ascending Node Crossing 9255		04-015/10:27:57.9
412	M1O	04-015/10:55:48.5		NOTE: Exit Solar Eclipse 9255		04-015/10:45:29.2
413	M1O	04-015/11:00:41.3		SPAWN, Engine = 65535, Parameters = 3, 00:27:18.354, 1	dpt	04-015/10:50:22.0
414	M1O	04-015/11:00:43.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/10:50:24.1
415	M1O	04-015/11:00:43.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
416	M1O	04-015/11:00:44.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/10:50:25.1
417	M1O	04-015/11:01:43.3		NOTE: ENTER HGA KEEP OUT ZONE		
418	M1O	04-015/11:01:43.3	43	NOTE: Loss Of X-Band Signal		
419	M1O	04-015/11:07:36.3		NOTE: Enter Planetary Atmosphere 9255		04-015/10:57:16.9
420	M1O	04-015/11:08:12.6		NOTE: Apoapsis 9255 -		04-015/10:57:53.2
421	M1O	04-015/11:08:16.7		NOTE: North Pole Crossing 9255		04-015/10:57:57.3
422	M1O	04-015/11:09:43.6		NOTE: Enter Earth Occultation 9255		04-015/10:59:24.2
423	M1O	04-015/11:14:23.4		NOTE: EXIT HGA KEEP OUT ZONE		
424	M1O	04-015/11:23:01.7		NOTE: Exit Earth Occultation 9255		04-015/11:12:42.3
425	M1O	04-015/11:23:01.7	43	Acquisition Of X-Band Signal		
426	M1O	04-015/11:23:01.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
427	M1O	04-015/11:25:10.4		NOTE: Exit Planetary Atmosphere 9255		04-015/11:14:51.0
428	M1O	04-015/11:28:01.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/11:17:42.4
429	M1O	04-015/11:28:01.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
430	M1O	04-015/11:28:02.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-015/11:17:43.4
431	M1O	04-015/11:38:16.4		NOTE: Descending Node Crossing 9256		04-015/11:27:56.9
432	M1O	04-015/12:07:28.1		NOTE: Periapsis 9256 ----------		04-015/11:57:08.5
433	M1O	04-015/12:07:34.6		NOTE: South Pole Crossing 9256		04-015/11:57:15.0
434	M1O	04-015/12:11:49.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-015/12:01:30.0
435	M1O	04-015/12:12:05.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-013T12:01:30.100, 2004-015T12:01:30.100	PCKTS_RE_TX_TIME	04-015/12:01:45.8
436	M1O	04-015/12:12:06.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-013T12:01:30.100, 2004-015T12:01:30.100	PCKTS_RE_TX_TIME	04-015/12:01:46.8
437	M1O	04-015/12:12:07.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-013T12:01:30.100, 2004-015T12:01:30.100	PCKTS_RE_TX_TIME	04-015/12:01:47.8
438	M1O	04-015/12:12:08.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-013T12:01:30.100, 2004-015T12:01:30.100	PCKTS_RE_TX_TIME	04-015/12:01:48.8
439	M1O	04-015/12:12:09.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-013T12:01:30.100, 2004-015T12:01:30.100	PCKTS_RE_TX_TIME	04-015/12:01:49.8
440	M1O	04-015/12:12:10.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-013T12:01:30.100, 2004-015T12:01:30.100	PCKTS_RE_TX_TIME	04-015/12:01:50.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
441	M1O	04-015/12:12:10.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-015/12:01:50.8
442	M1O	04-015/12:12:10.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
443	M1O	04-015/12:19:11.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/12:08:51.8
444	M1O	04-015/12:19:11.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
445	M1O	04-015/12:19:12.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/12:08:52.8
446	M1O	04-015/12:19:28.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-015/12:09:08.8
447	M1O	04-015/12:19:28.4	43	D/L RF Warning: SC antenna change - expect signal level variation		
448	M1O	04-015/12:19:29.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-015/12:09:09.8
449	M1O	04-015/12:20:00.0	43	End Tracking		
450	M1O	04-015/12:35:00.0	43	End Post-Cal		
451	M1O	04-015/12:35:33.0		NOTE: Enter Solar Eclipse 9256		04-015/12:25:13.3
452	M1O	04-015/12:36:53.0		NOTE: Ascending Node Crossing 9256		04-015/12:26:33.3
453	M1O	04-015/12:54:20.7		NOTE: Exit Solar Eclipse 9256		04-015/12:44:00.9
454	M1O	04-015/13:00:16.7		NOTE: ENTER HGA KEEP OUT ZONE		
455	M1O	04-015/13:06:16.3		NOTE: Enter Planetary Atmosphere 9256		04-015/12:55:56.5
456	M1O	04-015/13:06:52.4		NOTE: North Pole Crossing 9256		04-015/12:56:32.6
457	M1O	04-015/13:06:55.5		NOTE: Apoapsis 9256 -		04-015/12:56:35.7
458	M1O	04-015/13:08:25.0		NOTE: Enter Earth Occultation 9256		04-015/12:58:05.2
459	M1O	04-015/13:12:56.7		NOTE: EXIT HGA KEEP OUT ZONE		
460	M1O	04-015/13:21:31.9		NOTE: Exit Earth Occultation 9256		04-015/13:11:12.1
461	M1O	04-015/13:23:42.0		NOTE: Exit Planetary Atmosphere 9256		04-015/13:13:22.1
462	M1O	04-015/13:29:52.8		SPAWN, Engine = 65535, Parameters = 015, 03, TRUE, 00:19:18, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-015/13:19:33.0
463	M1O	04-015/13:29:53.9		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	04-015/13:19:34.1
464	M1O	04-015/13:29:55.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-015/13:19:36.1
465	M1O	04-015/13:29:56.2		CALL, Engine = , Parameters = 015, 03, 254	bld_autosw	04-015/13:19:36.4
466	M1O	04-015/13:29:57.3		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	04-015/13:19:37.5
467	M1O	04-015/13:29:58.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:19:38.6
468	M1O	04-015/13:29:59.4		Deletes the designated file.: d:/dat/254_doy015_pass03_file01.dat	FILE_DELETE	04-015/13:19:39.6
469	M1O	04-015/13:30:00.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:19:40.7
470	M1O	04-015/13:30:01.5		Deletes the designated file.: d:/dat/254_doy015_pass03_file02.dat	FILE_DELETE	04-015/13:19:41.7
471	M1O	04-015/13:30:02.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:19:42.8
472	M1O	04-015/13:30:03.6		Deletes the designated file.: d:/dat/254_doy015_pass03_file03.dat	FILE_DELETE	04-015/13:19:43.8
473	M1O	04-015/13:30:04.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:19:44.9
474	M1O	04-015/13:30:05.7		Deletes the designated file.: d:/dat/254_doy015_pass03_file04.dat	FILE_DELETE	04-015/13:19:45.9
475	M1O	04-015/13:30:06.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:19:47.0
476	M1O	04-015/13:30:07.8		Deletes the designated file.: d:/dat/254_doy015_pass03_file05.dat	FILE_DELETE	04-015/13:19:48.0
477	M1O	04-015/13:30:08.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:19:49.1
478	M1O	04-015/13:30:09.9		Deletes the designated file.: d:/dat/254_doy015_pass03_file06.dat	FILE_DELETE	04-015/13:19:50.1
479	M1O	04-015/13:30:11.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:19:51.2
480	M1O	04-015/13:30:12.0		Deletes the designated file.: d:/dat/254_doy015_pass03_file07.dat	FILE_DELETE	04-015/13:19:52.2
481	M1O	04-015/13:30:13.1		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-015/13:19:53.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy015_pass03_file08.dat, d:/dat/autoswitch.dat		
482	M1O	04-015/13:30:14.1		Deletes the designated file.: d:/dat/254_doy015_pass03_file08.dat	FILE_DELETE	04-015/13:19:54.3
483	M1O	04-015/13:30:15.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:19:55.4
484	M1O	04-015/13:30:16.2		Deletes the designated file.: d:/dat/254_doy015_pass03_file09.dat	FILE_DELETE	04-015/13:19:56.4
485	M1O	04-015/13:30:17.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:19:57.5
486	M1O	04-015/13:30:18.3		Deletes the designated file.: d:/dat/254_doy015_pass03_file10.dat	FILE_DELETE	04-015/13:19:58.5
487	M1O	04-015/13:30:19.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:19:59.6
488	M1O	04-015/13:30:20.4		Deletes the designated file.: d:/dat/254_doy015_pass03_file11.dat	FILE_DELETE	04-015/13:20:00.6
489	M1O	04-015/13:30:21.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:20:01.7
490	M1O	04-015/13:30:22.5		Deletes the designated file.: d:/dat/254_doy015_pass03_file12.dat	FILE_DELETE	04-015/13:20:02.7
491	M1O	04-015/13:30:23.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:20:03.8
492	M1O	04-015/13:30:24.6		Deletes the designated file.: d:/dat/254_doy015_pass03_file13.dat	FILE_DELETE	04-015/13:20:04.8
493	M1O	04-015/13:30:25.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:20:05.9
494	M1O	04-015/13:30:26.7		Deletes the designated file.: d:/dat/254_doy015_pass03_file14.dat	FILE_DELETE	04-015/13:20:06.9
495	M1O	04-015/13:30:27.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:20:08.0
496	M1O	04-015/13:30:28.8		Deletes the designated file.: d:/dat/254_doy015_pass03_file15.dat	FILE_DELETE	04-015/13:20:09.0
497	M1O	04-015/13:30:29.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:20:10.1
498	M1O	04-015/13:30:30.9		Deletes the designated file.: d:/dat/254_doy015_pass03_file16.dat	FILE_DELETE	04-015/13:20:11.1
499	M1O	04-015/13:30:32.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:20:12.2
500	M1O	04-015/13:30:33.0		Deletes the designated file.: d:/dat/254_doy015_pass03_file17.dat	FILE_DELETE	04-015/13:20:13.2
501	M1O	04-015/13:30:34.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:20:14.3
502	M1O	04-015/13:30:35.1		Deletes the designated file.: d:/dat/254_doy015_pass03_file18.dat	FILE_DELETE	04-015/13:20:15.3
503	M1O	04-015/13:30:36.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy015_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-015/13:20:16.4
504	M1O	04-015/13:30:37.2		Deletes the designated file.: d:/dat/254_doy015_pass03_file19.dat	FILE_DELETE	04-015/13:20:17.4
505	M1O	04-015/13:30:38.2		CALL, Engine = , Parameters = 254	get_apid	04-015/13:20:18.4
506	M1O	04-015/13:30:39.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-015/13:20:19.5
507	M1O	04-015/13:30:39.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-015/13:20:19.7
508	M1O	04-015/13:30:40.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-015/13:20:20.8
509	M1O	04-015/13:30:41.9		CALL, Engine = , Parameters = 254	get_coding	04-015/13:20:22.1
510	M1O	04-015/13:30:43.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-015/13:20:23.3
511	M1O	04-015/13:30:44.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-015/13:20:24.5
512	M1O	04-015/13:31:49.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-015/13:21:29.3
513	M1O	04-015/13:31:50.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-015/13:21:30.3
514	M1O	04-015/13:31:51.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-015/13:21:31.3
515	M1O	04-015/13:31:52.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-015/13:21:32.3
516	M1O	04-015/13:31:53.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-015/13:21:33.3
517	M1O	04-015/13:31:54.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-015/13:21:34.3
518	M1O	04-015/13:31:55.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-015/13:21:35.3
519	M1O	04-015/13:33:45.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/13:23:25.3
520	M1O	04-015/13:33:55.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data	DOWNLINK_MODE	04-015/13:23:35.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				stream.: RELAY_CMD		
521	M1O	04-015/13:36:52.2		NOTE: Descending Node Crossing 9257		04-015/13:26:32.3
522	M1O	04-015/13:40:00.0	63	Begin Pre-Cal		
523	M1O	04-015/13:40:00.0	63	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
524	M1O	04-015/13:40:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
525	M1O	04-015/13:40:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
526	M1O	04-015/13:40:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
527	M1O	04-015/13:40:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
528	M1O	04-015/13:40:00.0	63	Config: RCV: Parms:		
529	M1O	04-015/13:40:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
530	M1O	04-015/13:40:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
531	M1O	04-015/13:40:00.0	63	Config: TXL		
532	M1O	04-015/13:40:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
533	M1O	04-015/13:40:00.0	63	Config: CMD		
534	M1O	04-015/13:40:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
535	M1O	04-015/13:51:11.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-015/13:40:51.3
536	M1O	04-015/13:51:12.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-015/13:40:52.4
537	M1O	04-015/13:51:22.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-015/13:41:02.4
538	M1O	04-015/13:51:23.3		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	04-015/13:41:03.4
539	M1O	04-015/13:51:24.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-015/13:41:04.4
540	M1O	04-015/13:51:25.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-015/13:41:05.4
541	M1O	04-015/14:06:11.5		NOTE: South Pole Crossing 9257		04-015/13:55:51.6
542	M1O	04-015/14:06:27.2		NOTE: Periapsis 9257 ----------		04-015/13:56:07.3
543	M1O	04-015/14:34:09.1		NOTE: Enter Solar Eclipse 9257		04-015/14:23:49.0
544	M1O	04-015/14:35:30.2		NOTE: Ascending Node Crossing 9257		04-015/14:25:10.2
545	M1O	04-015/14:52:57.3		NOTE: Exit Solar Eclipse 9257		04-015/14:42:37.2
546	M1O	04-015/14:59:12.1		NOTE: ENTER HGA KEEP OUT ZONE		
547	M1O	04-015/15:04:53.5		NOTE: Enter Planetary Atmosphere 9257		04-015/14:54:33.4
548	M1O	04-015/15:05:29.1		NOTE: North Pole Crossing 9257		04-015/14:55:08.9
549	M1O	04-015/15:06:01.5		NOTE: Apoapsis 9257 -		04-015/14:55:41.4
550	M1O	04-015/15:07:02.8		NOTE: Enter Earth Occultation 9257		04-015/14:56:42.6
551	M1O	04-015/15:10:00.0	63	Begin Tracking		
552	M1O	04-015/15:11:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
553	M1O	04-015/15:11:12.1		NOTE: EXIT HGA KEEP OUT ZONE		
554	M1O	04-015/15:16:00.0	63	Range Modulation On: SUP=3.0dB		
555	M1O	04-015/15:17:00.0	63	Begin Ranging Acquisition		
556	M1O	04-015/15:19:40.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-015/15:09:20.5
557	M1O	04-015/15:19:40.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/15:09:20.6
558	M1O	04-015/15:19:41.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/15:09:21.6
559	M1O	04-015/15:19:42.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-015/15:09:22.6
560	M1O	04-015/15:19:43.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-015/15:09:23.6
561	M1O	04-015/15:19:44.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-015/15:09:24.6
562	M1O	04-015/15:19:54.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-015/15:09:34.6
563	M1O	04-015/15:20:04.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-015/15:09:44.6
564	M1O	04-015/15:20:05.7		NOTE: Exit Earth Occultation 9257		04-015/15:09:45.5
565	M1O	04-015/15:20:05.7	63	Acquisition Of X-Band Signal		
566	M1O	04-015/15:20:05.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
567	M1O	04-015/15:22:16.2		NOTE: Exit Planetary Atmosphere 9257		04-015/15:11:56.0
568	M1O	04-015/15:25:04.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-015/15:14:44.6
569	M1O	04-015/15:25:05.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/15:14:45.6
570	M1O	04-015/15:25:05.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
571	M1O	04-015/15:25:06.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-015/15:14:46.6
572	M1O	04-015/15:30:37.6		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-015/15:20:17.4
573	M1O	04-015/15:30:39.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/15:20:19.5
574	M1O	04-015/15:30:39.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
575	M1O	04-015/15:30:40.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/15:20:20.5
576	M1O	04-015/15:31:40.3	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
577	M1O	04-015/15:35:29.0		NOTE: Descending Node Crossing 9258		04-015/15:25:08.7
578	M1O	04-015/15:36:39.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/15:26:19.5
579	M1O	04-015/15:36:39.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
580	M1O	04-015/15:36:40.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-015/15:26:20.5
581	M1O	04-015/16:04:48.3		NOTE: South Pole Crossing 9258		04-015/15:54:28.0
582	M1O	04-015/16:05:24.2		NOTE: Periapsis 9258 ----------		04-015/15:55:03.9
583	M1O	04-015/16:22:07.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
584	M1O	04-015/16:32:07.0	63	Range Modulation Off		
585	M1O	04-015/16:32:42.9		NOTE: Enter Solar Eclipse 9258		04-015/16:22:22.5
586	M1O	04-015/16:34:06.3		NOTE: Ascending Node Crossing 9258		04-015/16:23:45.8
587	M1O	04-015/16:37:07.0	63	X-Band Transmitter Off		
588	M1O	04-015/16:51:34.4		NOTE: Exit Solar Eclipse 9258		04-015/16:41:14.0
589	M1O	04-015/16:56:44.9		SPAWN, Engine = 65535, Parameters = 3, 00:27:27, 1	dpt	04-015/16:46:24.4
590	M1O	04-015/16:56:47.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/16:46:26.5
591	M1O	04-015/16:56:47.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
592	M1O	04-015/16:56:48.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/16:46:27.5
593	M1O	04-015/16:57:47.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
594	M1O	04-015/16:57:48.5		NOTE: ENTER HGA KEEP OUT ZONE		
595	M1O	04-015/16:57:48.5	63	NOTE: Loss Of X-Band Signal		
596	M1O	04-015/16:58:34.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
597	M1O	04-015/17:03:27.8		NOTE: Enter Planetary Atmosphere 9258		04-015/16:53:07.3
598	M1O	04-015/17:03:34.0	63	Range Modulation On: SUP=3.0dB		
599	M1O	04-015/17:04:05.1		NOTE: North Pole Crossing 9258		04-015/16:53:44.6
600	M1O	04-015/17:04:34.0	63	Begin Ranging Acquisition		
601	M1O	04-015/17:04:52.5		NOTE: Apoapsis 9258 -		04-015/16:54:32.0
602	M1O	04-015/17:05:36.8		NOTE: Enter Earth Occultation 9258		04-015/16:55:16.3
603	M1O	04-015/17:09:48.5		NOTE: EXIT HGA KEEP OUT ZONE		
604	M1O	04-015/17:18:42.2		NOTE: Exit Earth Occultation 9258		04-015/17:08:21.7
605	M1O	04-015/17:18:42.2	63	Acquisition Of X-Band Signal		
606	M1O	04-015/17:18:42.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
607	M1O	04-015/17:19:15.0	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
608	M1O	04-015/17:20:52.5		NOTE: Exit Planetary Atmosphere 9258		04-015/17:10:31.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
609	M1O	04-015/17:24:14.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/17:13:53.5
610	M1O	04-015/17:24:14.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
611	M1O	04-015/17:24:15.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-015/17:13:54.5
612	M1O	04-015/17:34:05.2		NOTE: Descending Node Crossing 9259		04-015/17:23:44.6
613	M1O	04-015/18:03:23.3		NOTE: South Pole Crossing 9259		04-015/17:53:02.6
614	M1O	04-015/18:04:00.6		NOTE: Periapsis 9259 ----------		04-015/17:53:39.9
615	M1O	04-015/18:20:42.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
616	M1O	04-015/18:30:42.0	63	Range Modulation Off		
617	M1O	04-015/18:31:14.5		NOTE: Enter Solar Eclipse 9259		04-015/18:20:53.7
618	M1O	04-015/18:32:40.0		NOTE: Ascending Node Crossing 9259		04-015/18:22:19.2
619	M1O	04-015/18:35:42.0	63	X-Band Transmitter Off		
620	M1O	04-015/18:50:10.3		NOTE: Exit Solar Eclipse 9259		04-015/18:39:49.4
621	M1O	04-015/18:55:21.4		SPAWN, Engine = 65535, Parameters = 3, 00:27:28, 1	dpt	04-015/18:45:00.6
622	M1O	04-015/18:55:23.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/18:45:02.7
623	M1O	04-015/18:55:23.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
624	M1O	04-015/18:55:24.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/18:45:03.7
625	M1O	04-015/18:56:23.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
626	M1O	04-015/18:56:24.8		NOTE: ENTER HGA KEEP OUT ZONE		
627	M1O	04-015/18:56:24.8	63	NOTE: Loss Of X-Band Signal		
628	M1O	04-015/18:57:10.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
629	M1O	04-015/19:01:57.2		NOTE: Enter Planetary Atmosphere 9259		04-015/18:51:36.3
630	M1O	04-015/19:02:10.0	63	Range Modulation On: SUP=3.0dB		
631	M1O	04-015/19:02:38.7		NOTE: North Pole Crossing 9259		04-015/18:52:17.8
632	M1O	04-015/19:03:10.0	63	Begin Ranging Acquisition		
633	M1O	04-015/19:03:14.0		NOTE: Apoapsis 9259 -		04-015/18:52:53.1
634	M1O	04-015/19:04:05.1		NOTE: Enter Earth Occultation 9259		04-015/18:53:44.2
635	M1O	04-015/19:08:44.9		NOTE: EXIT HGA KEEP OUT ZONE		
636	M1O	04-015/19:16:51.9		SPAWN, Engine = 65535, Parameters = 015, 03, FALSE, 00:19:36.753, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-015/19:06:31.0
637	M1O	04-015/19:16:53.0		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	04-015/19:06:32.1
638	M1O	04-015/19:16:55.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-015/19:06:34.1
639	M1O	04-015/19:17:19.7		NOTE: Exit Earth Occultation 9259		04-015/19:06:58.8
640	M1O	04-015/19:17:19.7	63	Acquisition Of X-Band Signal		
641	M1O	04-015/19:17:19.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
642	M1O	04-015/19:17:37.2		CALL, Engine = , Parameters = 56	get_apid	04-015/19:07:16.3
643	M1O	04-015/19:17:38.3		CALL, Engine = , Parameters = 56	get_rcv_mode	04-015/19:07:17.4
644	M1O	04-015/19:17:38.5		CALL, Engine = , Parameters = 56	get_dl_rate	04-015/19:07:17.6
645	M1O	04-015/19:17:39.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-015/19:07:18.7
646	M1O	04-015/19:17:40.8		CALL, Engine = , Parameters = 56	get_coding	04-015/19:07:19.9
647	M1O	04-015/19:17:42.0		CALL, Engine = , Parameters = 56	get_xmt_mode	04-015/19:07:21.1
648	M1O	04-015/19:17:43.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-015/19:07:22.3
649	M1O	04-015/19:17:51.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
650	M1O	04-015/19:18:48.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-015/19:08:27.1
651	M1O	04-015/19:18:49.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-015/19:08:28.1
652	M1O	04-015/19:18:50.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-015/19:08:29.1
653	M1O	04-015/19:18:51.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-015/19:08:30.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
654	M1O	04-015/19:18:52.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-015/19:08:31.1
655	M1O	04-015/19:18:53.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-015/19:08:32.1
656	M1O	04-015/19:18:54.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-015/19:08:33.1
657	M1O	04-015/19:19:29.0		NOTE: Exit Planetary Atmosphere 9259		04-015/19:09:08.0
658	M1O	04-015/19:22:51.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/19:12:30.7
659	M1O	04-015/19:22:51.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
660	M1O	04-015/19:22:52.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-015/19:12:31.7
661	M1O	04-015/19:32:38.4		NOTE: Descending Node Crossing 9260		04-015/19:22:17.4
662	M1O	04-015/19:38:26.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-015/19:28:05.8
663	M1O	04-015/19:38:27.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-015/19:28:06.9
664	M1O	04-015/19:38:37.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-015/19:28:16.9
665	M1O	04-015/19:38:38.9		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	04-015/19:28:17.9
666	M1O	04-015/20:01:55.5		NOTE: South Pole Crossing 9260		04-015/19:51:34.4
667	M1O	04-015/20:02:13.6		NOTE: Periapsis 9260 ----------		04-015/19:51:52.5
668	M1O	04-015/20:18:55.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
669	M1O	04-015/20:28:55.0	63	Range Modulation Off		
670	M1O	04-015/20:29:46.5		NOTE: Enter Solar Eclipse 9260		04-015/20:19:25.3
671	M1O	04-015/20:31:11.7		NOTE: Ascending Node Crossing 9260		04-015/20:20:50.5
672	M1O	04-015/20:33:55.0	63	X-Band Transmitter Off		
673	M1O	04-015/20:48:43.1		NOTE: Exit Solar Eclipse 9260		04-015/20:38:21.9
674	M1O	04-015/20:53:34.8		SPAWN, Engine = 65535, Parameters = 3, 00:27:48, 1	dpt	04-015/20:43:13.6
675	M1O	04-015/20:53:36.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/20:43:15.7
676	M1O	04-015/20:53:36.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
677	M1O	04-015/20:53:37.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/20:43:16.7
678	M1O	04-015/20:54:37.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
679	M1O	04-015/20:54:38.2		NOTE: ENTER HGA KEEP OUT ZONE		
680	M1O	04-015/20:54:38.2	63	NOTE: Loss Of X-Band Signal		
681	M1O	04-015/20:55:43.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
682	M1O	04-015/21:00:24.9		NOTE: Enter Planetary Atmosphere 9260		04-015/20:50:03.6
683	M1O	04-015/21:00:43.0	63	Range Modulation On: SUP=3.0dB		
684	M1O	04-015/21:01:09.8		NOTE: North Pole Crossing 9260		04-015/20:50:48.5
685	M1O	04-015/21:01:27.6		NOTE: Apoapsis 9260 -		04-015/20:51:06.3
686	M1O	04-015/21:01:43.0	63	Begin Ranging Acquisition		
687	M1O	04-015/21:02:32.1		NOTE: Enter Earth Occultation 9260		04-015/20:52:10.8
688	M1O	04-015/21:07:18.2		NOTE: EXIT HGA KEEP OUT ZONE		
689	M1O	04-015/21:15:53.0		NOTE: Exit Earth Occultation 9260		04-015/21:05:31.7
690	M1O	04-015/21:15:53.0	63	Acquisition Of X-Band Signal		
691	M1O	04-015/21:15:53.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
692	M1O	04-015/21:16:25.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
693	M1O	04-015/21:18:01.4		NOTE: Exit Planetary Atmosphere 9260		04-015/21:07:40.1
694	M1O	04-015/21:20:24.3		SPAWN, Engine = 65535, Parameters = 015, 04, FALSE, 00:06:09.356, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-015/21:10:03.0
695	M1O	04-015/21:20:25.4		Passes the specified amount of data, data size parameter, through the PACI interface.:	GRS_PASS_THROUGH	04-015/21:10:04.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000		
696	M1O	04-015/21:20:27.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-015/21:10:06.1
697	M1O	04-015/21:21:09.6		CALL, Engine = , Parameters = 56	get_apid	04-015/21:10:48.3
698	M1O	04-015/21:21:10.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-015/21:10:49.4
699	M1O	04-015/21:21:10.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-015/21:10:49.6
700	M1O	04-015/21:21:12.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-015/21:10:50.7
701	M1O	04-015/21:21:13.2		CALL, Engine = , Parameters = 56	get_coding	04-015/21:10:51.9
702	M1O	04-015/21:21:14.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-015/21:10:53.1
703	M1O	04-015/21:21:15.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-015/21:10:54.3
704	M1O	04-015/21:21:25.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-015/21:11:03.7
705	M1O	04-015/21:21:25.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
706	M1O	04-015/21:21:26.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-015/21:11:04.7
707	M1O	04-015/21:22:20.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-015/21:11:59.1
708	M1O	04-015/21:22:21.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-015/21:12:00.1
709	M1O	04-015/21:22:22.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-015/21:12:01.1
710	M1O	04-015/21:22:23.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-015/21:12:02.1
711	M1O	04-015/21:22:24.4		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-015/21:12:03.1
712	M1O	04-015/21:22:25.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-015/21:12:04.1
713	M1O	04-015/21:22:26.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-015/21:12:05.1
714	M1O	04-015/21:28:31.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-015/21:18:10.4
715	M1O	04-015/21:28:32.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-015/21:18:11.5
716	M1O	04-015/21:28:42.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-015/21:18:21.5
717	M1O	04-015/21:28:43.9		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	04-015/21:18:22.5
718	M1O	04-015/21:31:08.4		NOTE: Descending Node Crossing 9261		04-015/21:20:47.1
719	M1O	04-015/22:00:26.0		NOTE: South Pole Crossing 9261		04-015/21:50:04.6
720	M1O	04-015/22:00:30.8		NOTE: Periapsis 9261 ----------		04-015/21:50:09.3
721	M1O	04-015/22:17:45.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
722	M1O	04-015/22:27:45.0	63	Range Modulation Off		
723	M1O	04-015/22:28:19.8		NOTE: Enter Solar Eclipse 9261		04-015/22:17:58.3
724	M1O	04-015/22:29:43.4		NOTE: Ascending Node Crossing 9261		04-015/22:19:21.9
725	M1O	04-015/22:32:45.0	63	X-Band Transmitter Off		
726	M1O	04-015/22:45:16.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-015/22:34:55.0
727	M1O	04-015/22:45:32.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-013T22:34:55.100, 2004-015T22:34:55.100	PCKTS_RE_TX_TIME	04-015/22:35:10.8
728	M1O	04-015/22:45:33.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-013T22:34:55.100, 2004-015T22:34:55.100	PCKTS_RE_TX_TIME	04-015/22:35:11.8
729	M1O	04-015/22:45:34.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-013T22:34:55.100, 2004-015T22:34:55.100	PCKTS_RE_TX_TIME	04-015/22:35:12.8
730	M1O	04-015/22:45:35.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-013T22:34:55.100, 2004-015T22:34:55.100	PCKTS_RE_TX_TIME	04-015/22:35:13.8
731	M1O	04-015/22:45:36.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-013T22:34:55.100, 2004-015T22:34:55.100	PCKTS_RE_TX_TIME	04-015/22:35:14.8
732	M1O	04-015/22:45:37.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-013T22:34:55.100, 2004-015T22:34:55.100	PCKTS_RE_TX_TIME	04-015/22:35:15.8
733	M1O	04-015/22:45:37.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-015/22:35:15.8
734	M1O	04-015/22:45:37.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
735	M1O	04-015/22:47:11.2		NOTE: Exit Solar Eclipse 9261		04-015/22:36:49.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
736	M1O	04-015/22:52:38.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-015/22:42:16.8
737	M1O	04-015/22:52:38.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
738	M1O	04-015/22:52:39.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-015/22:42:17.8
739	M1O	04-015/22:52:55.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-015/22:42:33.8
740	M1O	04-015/22:52:55.4	63	D/L RF Warning: SC antenna change - expect signal level variation		
741	M1O	04-015/22:52:56.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-015/22:42:34.8
742	M1O	04-015/22:53:28.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
743	M1O	04-015/22:53:28.6		NOTE: ENTER HGA KEEP OUT ZONE		
744	M1O	04-015/22:53:28.6	63	NOTE: Loss Of X-Band Signal		
745	M1O	04-015/22:59:02.4		NOTE: Enter Planetary Atmosphere 9261		04-015/22:48:40.8
746	M1O	04-015/22:59:41.8		NOTE: North Pole Crossing 9261		04-015/22:49:20.2
747	M1O	04-015/23:00:02.2		NOTE: Apoapsis 9261 -		04-015/22:49:40.5
748	M1O	04-015/23:01:11.4		NOTE: Enter Earth Occultation 9261		04-015/22:50:49.8
749	M1O	04-015/23:05:48.6		NOTE: EXIT HGA KEEP OUT ZONE		
750	M1O	04-015/23:14:18.2		NOTE: Exit Earth Occultation 9261		04-015/23:03:56.5
751	M1O	04-015/23:14:18.2	63	Acquisition Of X-Band Signal		
752	M1O	04-015/23:14:18.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
753	M1O	04-015/23:16:28.5		NOTE: Exit Planetary Atmosphere 9261		04-015/23:06:06.8
754	M1O	04-015/23:17:38.0	63	NOTE: Below Uplink Interlock Limit		
755	M1O	04-015/23:29:40.7		NOTE: Descending Node Crossing 9262		04-015/23:19:19.0
756	M1O	04-015/23:30:00.0	63	End Tracking		
757	M1O	04-015/23:45:00.0	63	End Post-Cal		
758	M1O	04-015/23:58:59.0		NOTE: South Pole Crossing 9262		04-015/23:48:37.2
759	M1O	04-015/23:59:05.1		NOTE: Periapsis 9262 ----------		04-015/23:48:43.3
760	M1O	04-016/00:00:00.0		Light Time: OWLT = 10:21, RTLT = 20:43		
761	M1O	04-016/00:00:00.0	14	Begin Pre-Cal		
762	M1O	04-016/00:00:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
763	M1O	04-016/00:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
764	M1O	04-016/00:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
765	M1O	04-016/00:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
766	M1O	04-016/00:00:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
767	M1O	04-016/00:00:00.0	14	Config: RCV: Parms:		
768	M1O	04-016/00:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
769	M1O	04-016/00:00:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
770	M1O	04-016/00:00:00.0	14	Config: TXL		
771	M1O	04-016/00:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
772	M1O	04-016/00:00:00.0	14	Config: CMD		
773	M1O	04-016/00:00:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
774	M1O	04-016/00:17:45.8		SPAWN, Engine = 65535, Parameters = 016, 01, FALSE, 00:08:55.359, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-016/00:07:24.0
775	M1O	04-016/00:17:46.9		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	04-016/00:07:25.1
776	M1O	04-016/00:17:48.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-016/00:07:27.1
777	M1O	04-016/00:18:31.1		CALL, Engine = , Parameters = 254	get_apid	04-016/00:08:09.3
778	M1O	04-016/00:18:32.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-016/00:08:10.4
779	M1O	04-016/00:18:32.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-016/00:08:10.6
780	M1O	04-016/00:18:33.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-016/00:08:11.7
781	M1O	04-016/00:18:34.8		CALL, Engine = , Parameters = 254	get_coding	04-016/00:08:13.0
782	M1O	04-016/00:18:36.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-016/00:08:14.2
783	M1O	04-016/00:18:37.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-016/00:08:15.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
784	M1O	04-016/00:19:42.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-016/00:09:20.2
785	M1O	04-016/00:19:43.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-016/00:09:21.2
786	M1O	04-016/00:19:44.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-016/00:09:22.2
787	M1O	04-016/00:19:45.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-016/00:09:23.2
788	M1O	04-016/00:19:46.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-016/00:09:24.2
789	M1O	04-016/00:19:47.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-016/00:09:25.2
790	M1O	04-016/00:19:48.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-016/00:09:26.2
791	M1O	04-016/00:26:54.2		NOTE: Enter Solar Eclipse 9262		04-016/00:16:32.3
792	M1O	04-016/00:28:17.3		NOTE: Ascending Node Crossing 9262		04-016/00:17:55.4
793	M1O	04-016/00:28:39.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-016/00:18:17.5
794	M1O	04-016/00:28:40.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-016/00:18:18.6
795	M1O	04-016/00:28:50.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-016/00:18:28.6
796	M1O	04-016/00:28:51.5		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	04-016/00:18:29.6
797	M1O	04-016/00:45:39.6		NOTE: Exit Solar Eclipse 9262		04-016/00:35:17.6
798	M1O	04-016/00:52:00.9		NOTE: ENTER HGA KEEP OUT ZONE		
799	M1O	04-016/00:57:46.5		NOTE: Enter Planetary Atmosphere 9262		04-016/00:47:24.5
800	M1O	04-016/00:58:17.0		NOTE: North Pole Crossing 9262		04-016/00:47:55.0
801	M1O	04-016/00:58:40.6		NOTE: Apoapsis 9262 -		04-016/00:48:18.6
802	M1O	04-016/00:59:58.1		NOTE: Enter Earth Occultation 9262		04-016/00:49:36.0
803	M1O	04-016/01:04:01.0		NOTE: EXIT HGA KEEP OUT ZONE		
804	M1O	04-016/01:12:44.7		NOTE: Exit Earth Occultation 9262		04-016/01:02:22.6
805	M1O	04-016/01:14:57.6		NOTE: Exit Planetary Atmosphere 9262		04-016/01:04:35.5
806	M1O	04-016/01:28:17.3		NOTE: Descending Node Crossing 9263		04-016/01:17:55.2
807	M1O	04-016/01:29:35.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-016/01:19:13.1
808	M1O	04-016/01:29:35.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/01:19:13.2
809	M1O	04-016/01:29:36.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-016/01:19:14.2
810	M1O	04-016/01:29:37.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-016/01:19:15.2
811	M1O	04-016/01:29:38.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-016/01:19:16.2
812	M1O	04-016/01:29:39.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-016/01:19:17.2
813	M1O	04-016/01:29:49.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-016/01:19:27.2
814	M1O	04-016/01:29:59.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-016/01:19:37.2
815	M1O	04-016/01:30:00.0	14	Begin Tracking		
816	M1O	04-016/01:30:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
817	M1O	04-016/01:31:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
818	M1O	04-016/01:34:59.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/01:24:37.2
819	M1O	04-016/01:35:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/01:24:38.2
820	M1O	04-016/01:35:00.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
821	M1O	04-016/01:35:01.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-016/01:24:39.2
822	M1O	04-016/01:36:00.0	14	Range Modulation On: SUP=3.0dB		
823	M1O	04-016/01:37:00.0	14	Begin Ranging Acquisition		
824	M1O	04-016/01:50:41.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-016/01:40:19.7
825	M1O	04-016/01:50:44.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/01:40:21.8
826	M1O	04-016/01:50:44.0	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
827	M1O	04-016/01:50:45.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-016/01:40:22.8
828	M1O	04-016/01:51:44.2	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
829	M1O	04-016/01:56:44.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/01:46:21.8
830	M1O	04-016/01:56:44.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
831	M1O	04-016/01:56:45.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/01:46:22.8
832	M1O	04-016/01:57:35.6		NOTE: South Pole Crossing 9263		04-016/01:47:13.4
833	M1O	04-016/01:57:46.7		NOTE: Periapsis 9263 ----------		04-016/01:47:24.5
834	M1O	04-016/02:10:30.2		SPAWN, Engine = 65535, Parameters = 016, 02, TRUE, 00:19:08, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-016/02:00:08.0
835	M1O	04-016/02:10:30.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/02:00:08.5
836	M1O	04-016/02:10:30.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
837	M1O	04-016/02:10:31.3		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	04-016/02:00:09.1
838	M1O	04-016/02:10:33.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-016/02:00:11.1
839	M1O	04-016/02:10:33.6		CALL, Engine = , Parameters = 016, 02, 254	bld_autosw	04-016/02:00:11.4
840	M1O	04-016/02:10:34.7		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	04-016/02:00:12.5
841	M1O	04-016/02:10:35.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:13.6
842	M1O	04-016/02:10:36.8		Deletes the designated file.: d:/dat/254_doy016_pass02_file01.dat	FILE_DELETE	04-016/02:00:14.6
843	M1O	04-016/02:10:37.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:15.7
844	M1O	04-016/02:10:38.9		Deletes the designated file.: d:/dat/254_doy016_pass02_file02.dat	FILE_DELETE	04-016/02:00:16.7
845	M1O	04-016/02:10:40.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:17.8
846	M1O	04-016/02:10:41.0		Deletes the designated file.: d:/dat/254_doy016_pass02_file03.dat	FILE_DELETE	04-016/02:00:18.8
847	M1O	04-016/02:10:42.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:19.9
848	M1O	04-016/02:10:43.1		Deletes the designated file.: d:/dat/254_doy016_pass02_file04.dat	FILE_DELETE	04-016/02:00:20.9
849	M1O	04-016/02:10:44.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:22.0
850	M1O	04-016/02:10:45.2		Deletes the designated file.: d:/dat/254_doy016_pass02_file05.dat	FILE_DELETE	04-016/02:00:23.0
851	M1O	04-016/02:10:46.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:24.1
852	M1O	04-016/02:10:47.3		Deletes the designated file.: d:/dat/254_doy016_pass02_file06.dat	FILE_DELETE	04-016/02:00:25.1
853	M1O	04-016/02:10:48.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:26.2
854	M1O	04-016/02:10:49.4		Deletes the designated file.: d:/dat/254_doy016_pass02_file07.dat	FILE_DELETE	04-016/02:00:27.2
855	M1O	04-016/02:10:50.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:28.3
856	M1O	04-016/02:10:51.5		Deletes the designated file.: d:/dat/254_doy016_pass02_file08.dat	FILE_DELETE	04-016/02:00:29.3
857	M1O	04-016/02:10:52.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:30.4
858	M1O	04-016/02:10:53.6		Deletes the designated file.: d:/dat/254_doy016_pass02_file09.dat	FILE_DELETE	04-016/02:00:31.4
859	M1O	04-016/02:10:54.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:32.5
860	M1O	04-016/02:10:55.7		Deletes the designated file.: d:/dat/254_doy016_pass02_file10.dat	FILE_DELETE	04-016/02:00:33.5
861	M1O	04-016/02:10:56.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:34.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
862	M1O	04-016/02:10:57.8		Deletes the designated file.: d:/dat/254_doy016_pass02_file11.dat	FILE_DELETE	04-016/02:00:35.6
863	M1O	04-016/02:10:58.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:36.7
864	M1O	04-016/02:10:59.9		Deletes the designated file.: d:/dat/254_doy016_pass02_file12.dat	FILE_DELETE	04-016/02:00:37.7
865	M1O	04-016/02:11:01.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:38.8
866	M1O	04-016/02:11:02.0		Deletes the designated file.: d:/dat/254_doy016_pass02_file13.dat	FILE_DELETE	04-016/02:00:39.8
867	M1O	04-016/02:11:03.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:40.9
868	M1O	04-016/02:11:04.1		Deletes the designated file.: d:/dat/254_doy016_pass02_file14.dat	FILE_DELETE	04-016/02:00:41.9
869	M1O	04-016/02:11:05.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:43.0
870	M1O	04-016/02:11:06.2		Deletes the designated file.: d:/dat/254_doy016_pass02_file15.dat	FILE_DELETE	04-016/02:00:44.0
871	M1O	04-016/02:11:07.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:45.1
872	M1O	04-016/02:11:08.3		Deletes the designated file.: d:/dat/254_doy016_pass02_file16.dat	FILE_DELETE	04-016/02:00:46.1
873	M1O	04-016/02:11:09.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:47.2
874	M1O	04-016/02:11:10.4		Deletes the designated file.: d:/dat/254_doy016_pass02_file17.dat	FILE_DELETE	04-016/02:00:48.2
875	M1O	04-016/02:11:11.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:49.3
876	M1O	04-016/02:11:12.5		Deletes the designated file.: d:/dat/254_doy016_pass02_file18.dat	FILE_DELETE	04-016/02:00:50.3
877	M1O	04-016/02:11:13.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/02:00:51.4
878	M1O	04-016/02:11:14.6		Deletes the designated file.: d:/dat/254_doy016_pass02_file19.dat	FILE_DELETE	04-016/02:00:52.4
879	M1O	04-016/02:11:15.6		CALL, Engine = , Parameters = 254	get_apid	04-016/02:00:53.4
880	M1O	04-016/02:11:16.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-016/02:00:54.5
881	M1O	04-016/02:11:16.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-016/02:00:54.7
882	M1O	04-016/02:11:18.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-016/02:00:55.8
883	M1O	04-016/02:11:19.3		CALL, Engine = , Parameters = 254	get_coding	04-016/02:00:57.1
884	M1O	04-016/02:11:20.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-016/02:00:58.3
885	M1O	04-016/02:11:21.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-016/02:00:59.5
886	M1O	04-016/02:12:26.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-016/02:02:04.3
887	M1O	04-016/02:12:27.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-016/02:02:05.3
888	M1O	04-016/02:12:28.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-016/02:02:06.3
889	M1O	04-016/02:12:29.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-016/02:02:07.3
890	M1O	04-016/02:12:30.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-016/02:02:08.3
891	M1O	04-016/02:12:31.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-016/02:02:09.3
892	M1O	04-016/02:12:32.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-016/02:02:10.3
893	M1O	04-016/02:14:22.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/02:04:00.3
894	M1O	04-016/02:14:32.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-016/02:04:10.3
895	M1O	04-016/02:15:12.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
896	M1O	04-016/02:25:12.0	14	Range Modulation Off		
897	M1O	04-016/02:25:29.7		NOTE: Enter Solar Eclipse 9263		04-016/02:15:07.4
898	M1O	04-016/02:26:53.4		NOTE: Ascending Node Crossing 9263		04-016/02:16:31.1
899	M1O	04-016/02:30:12.0	14	X-Band Transmitter Off		
900	M1O	04-016/02:31:38.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-016/02:21:16.3
901	M1O	04-016/02:31:39.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-016/02:21:17.4
902	M1O	04-016/02:31:49.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-016/02:21:27.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
903	M1O	04-016/02:31:50.7		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	04-016/02:21:28.4
904	M1O	04-016/02:31:51.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-016/02:21:29.4
905	M1O	04-016/02:31:51.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
906	M1O	04-016/02:31:52.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-016/02:21:30.4
907	M1O	04-016/02:36:51.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/02:26:29.0
908	M1O	04-016/02:36:51.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
909	M1O	04-016/02:44:12.9		NOTE: Exit Solar Eclipse 9263		04-016/02:33:50.6
910	M1O	04-016/02:49:54.1		SPAWN, Engine = 65535, Parameters = 3, 00:26:54, 1	dpt	04-016/02:39:31.7
911	M1O	04-016/02:49:56.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/02:39:33.8
912	M1O	04-016/02:49:56.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
913	M1O	04-016/02:49:57.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-016/02:39:34.8
914	M1O	04-016/02:50:56.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
915	M1O	04-016/02:50:57.3		NOTE: ENTER HGA KEEP OUT ZONE		
916	M1O	04-016/02:50:57.3	14	NOTE: Loss Of X-Band Signal		
917	M1O	04-016/02:51:06.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
918	M1O	04-016/02:56:06.0	14	Range Modulation On: SUP=3.0dB		
919	M1O	04-016/02:56:26.3		NOTE: Enter Planetary Atmosphere 9263		04-016/02:46:03.9
920	M1O	04-016/02:56:53.6		NOTE: North Pole Crossing 9263		04-016/02:46:31.2
921	M1O	04-016/02:57:06.0	14	Begin Ranging Acquisition		
922	M1O	04-016/02:57:10.2		NOTE: Apoapsis 9263 -		04-016/02:46:47.8
923	M1O	04-016/02:58:38.8		NOTE: Enter Earth Occultation 9263		04-016/02:48:16.4
924	M1O	04-016/03:02:37.4		NOTE: EXIT HGA KEEP OUT ZONE		
925	M1O	04-016/03:11:18.4		NOTE: Exit Earth Occultation 9263		04-016/03:00:56.0
926	M1O	04-016/03:11:18.4	14	Acquisition Of X-Band Signal		
927	M1O	04-016/03:11:18.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
928	M1O	04-016/03:11:50.7	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
929	M1O	04-016/03:13:32.3		NOTE: Exit Planetary Atmosphere 9263		04-016/03:03:09.9
930	M1O	04-016/03:16:50.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/03:06:27.8
931	M1O	04-016/03:16:50.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
932	M1O	04-016/03:16:51.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/03:06:28.8
933	M1O	04-016/03:26:54.4		NOTE: Descending Node Crossing 9264		04-016/03:16:31.9
934	M1O	04-016/03:56:12.6		NOTE: South Pole Crossing 9264		04-016/03:45:50.0
935	M1O	04-016/03:56:19.2		NOTE: Periapsis 9264 ----------		04-016/03:45:56.6
936	M1O	04-016/04:13:49.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
937	M1O	04-016/04:23:49.0	14	Range Modulation Off		
938	M1O	04-016/04:24:06.5		NOTE: Enter Solar Eclipse 9264		04-016/04:13:43.8
939	M1O	04-016/04:25:30.2		NOTE: Ascending Node Crossing 9264		04-016/04:15:07.6
940	M1O	04-016/04:28:49.0	14	X-Band Transmitter Off		
941	M1O	04-016/04:42:50.2		NOTE: Exit Solar Eclipse 9264		04-016/04:32:27.5
942	M1O	04-016/04:48:31.4		SPAWN, Engine = 65535, Parameters = 3, 00:26:56, 1	dpt	04-016/04:38:08.7
943	M1O	04-016/04:48:33.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/04:38:10.8
944	M1O	04-016/04:48:33.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
945	M1O	04-016/04:48:34.5		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-016/04:38:11.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
946	M1O	04-016/04:49:34.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
947	M1O	04-016/04:49:34.7		NOTE: ENTER HGA KEEP OUT ZONE		
948	M1O	04-016/04:49:34.7	14	NOTE: Loss Of X-Band Signal		
949	M1O	04-016/04:49:45.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
950	M1O	04-016/04:54:45.0	14	Range Modulation On: SUP=3.0dB		
951	M1O	04-016/04:54:59.4		NOTE: Enter Planetary Atmosphere 9264		04-016/04:44:36.6
952	M1O	04-016/04:55:29.8		NOTE: Apoapsis 9264 -		04-016/04:45:07.0
953	M1O	04-016/04:55:29.9		NOTE: North Pole Crossing 9264		04-016/04:45:07.1
954	M1O	04-016/04:55:45.0	14	Begin Ranging Acquisition		
955	M1O	04-016/04:57:10.9		NOTE: Enter Earth Occultation 9264		04-016/04:46:48.1
956	M1O	04-016/05:01:14.7		NOTE: EXIT HGA KEEP OUT ZONE		
957	M1O	04-016/05:09:57.9		NOTE: Exit Earth Occultation 9264		04-016/04:59:35.1
958	M1O	04-016/05:09:57.9	14	Acquisition Of X-Band Signal		
959	M1O	04-016/05:09:57.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
960	M1O	04-016/05:10:30.4	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
961	M1O	04-016/05:12:08.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
962	M1O	04-016/05:12:10.7		NOTE: Exit Planetary Atmosphere 9264		04-016/05:01:47.9
963	M1O	04-016/05:15:29.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/05:05:06.8
964	M1O	04-016/05:15:29.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
965	M1O	04-016/05:15:30.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/05:05:07.8
966	M1O	04-016/05:22:08.0	14	Range Modulation Off		
967	M1O	04-016/05:25:29.8		NOTE: Descending Node Crossing 9265		04-016/05:15:06.9
968	M1O	04-016/05:27:08.0	14	X-Band Transmitter Off		
969	M1O	04-016/05:38:29.9		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-016/05:28:07.0
970	M1O	04-016/05:38:30.0		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-016/05:28:07.1
971	M1O	04-016/05:38:31.0		Forces a desaturation of the reaction wheels.	RW_DESAT	04-016/05:28:08.1
972	M1O	04-016/05:39:42.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-016/05:29:20.0
973	M1O	04-016/05:39:58.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-014T05:29:20.100, 2004-016T05:29:20.100	PCKTS_RE_TX_TIME	04-016/05:29:35.8
974	M1O	04-016/05:39:59.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-014T05:29:20.100, 2004-016T05:29:20.100	PCKTS_RE_TX_TIME	04-016/05:29:36.8
975	M1O	04-016/05:40:00.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-014T05:29:20.100, 2004-016T05:29:20.100	PCKTS_RE_TX_TIME	04-016/05:29:37.8
976	M1O	04-016/05:40:01.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-014T05:29:20.100, 2004-016T05:29:20.100	PCKTS_RE_TX_TIME	04-016/05:29:38.8
977	M1O	04-016/05:40:02.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-014T05:29:20.100, 2004-016T05:29:20.100	PCKTS_RE_TX_TIME	04-016/05:29:39.8
978	M1O	04-016/05:40:03.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-014T05:29:20.100, 2004-016T05:29:20.100	PCKTS_RE_TX_TIME	04-016/05:29:40.8
979	M1O	04-016/05:40:03.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-016/05:29:40.8
980	M1O	04-016/05:40:03.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
981	M1O	04-016/05:47:04.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/05:36:41.8
982	M1O	04-016/05:47:04.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
983	M1O	04-016/05:47:05.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-016/05:36:42.8
984	M1O	04-016/05:47:21.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-016/05:36:58.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
985	M1O	04-016/05:47:21.7	14	D/L RF Warning: SC antenna change - expect signal level variation		
986	M1O	04-016/05:47:22.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-016/05:36:59.8
987	M1O	04-016/05:47:53.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
988	M1O	04-016/05:50:01.0		CALL, Engine = , Parameters = FALSE	park_hga	04-016/05:39:38.1
989	M1O	04-016/05:50:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/05:39:38.1
990	M1O	04-016/05:50:02.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-016/05:39:39.1
991	M1O	04-016/05:50:03.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-016/05:39:40.1
992	M1O	04-016/05:50:03.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-016/05:39:40.1
993	M1O	04-016/05:50:03.0		NOTE: START HGA PARK		
994	M1O	04-016/05:50:03.0	14	NOTE: Loss Of X-Band Signal		
995	M1O	04-016/05:50:04.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-016/05:39:41.1
996	M1O	04-016/05:50:05.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-016/05:39:42.1
997	M1O	04-016/05:54:35.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-016/05:44:12.1
998	M1O	04-016/05:54:48.0		NOTE: South Pole Crossing 9265		04-016/05:44:25.1
999	M1O	04-016/05:54:54.4		NOTE: Periapsis 9265 ----------		04-016/05:44:31.4
1000	M1O	04-016/05:58:05.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-016/05:47:42.1
1001	M1O	04-016/05:58:05.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-016/05:47:42.1
1002	M1O	04-016/06:10:00.0	43	Begin Pre-Cal		
1003	M1O	04-016/06:10:00.0	43	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
1004	M1O	04-016/06:10:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1005	M1O	04-016/06:10:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1006	M1O	04-016/06:10:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1007	M1O	04-016/06:10:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
1008	M1O	04-016/06:10:00.0	43	Config: RCV: Parms:		
1009	M1O	04-016/06:10:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1010	M1O	04-016/06:10:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
1011	M1O	04-016/06:10:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
1012	M1O	04-016/06:22:41.8		NOTE: Enter Solar Eclipse 9265		04-016/06:12:18.7
1013	M1O	04-016/06:24:05.7		NOTE: Ascending Node Crossing 9265		04-016/06:13:42.7
1014	M1O	04-016/06:28:05.0		GV: GV_DESAT_ACTIVE = 1		04-016/06:17:42.0
1015	M1O	04-016/06:28:06.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-016/06:17:43.0
1016	M1O	04-016/06:28:06.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-016/06:17:43.0
1017	M1O	04-016/06:38:05.0		GV: GV_DESAT_ACTIVE = 0		04-016/06:27:42.0
1018	M1O	04-016/06:38:06.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-016/06:27:43.0
1019	M1O	04-016/06:38:07.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-016/06:27:44.0
1020	M1O	04-016/06:38:08.0		CALL, Engine = , Parameters =	unpark_hga	04-016/06:27:45.0
1021	M1O	04-016/06:38:08.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-016/06:27:45.0
1022	M1O	04-016/06:38:09.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-016/06:27:46.0
1023	M1O	04-016/06:40:00.0	43	Begin Tracking		
1024	M1O	04-016/06:41:28.7		NOTE: Exit Solar Eclipse 9265		04-016/06:31:05.6
1025	M1O	04-016/06:42:39.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-016/06:32:16.0
1026	M1O	04-016/06:42:40.1		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-016/06:32:17.0
1027	M1O	04-016/06:46:05.1		SPAWN, Engine = 65535, Parameters = 00:27:07.400	cstr	04-016/06:35:42.0
1028	M1O	04-016/06:46:05.2		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-016/06:35:42.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
1029	M1O	04-016/06:46:06.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-016/06:35:43.1
1030	M1O	04-016/06:46:07.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-016/06:35:44.1
1031	M1O	04-016/06:46:08.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-016/06:35:45.1
1032	M1O	04-016/06:46:09.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-016/06:35:46.1
1033	M1O	04-016/06:46:19.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-016/06:35:56.1
1034	M1O	04-016/06:46:29.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-016/06:36:06.1
1035	M1O	04-016/06:46:40.1		NOTE: EXIT HGA PARK		
1036	M1O	04-016/06:46:40.1	14	Acquisition Of X-Band Signal		
1037	M1O	04-016/06:46:40.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1038	M1O	04-016/06:46:40.1	43	Acquisition Of X-Band Signal		
1039	M1O	04-016/06:46:40.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1040	M1O	04-016/06:47:09.0	14	NOTE: Below Uplink Interlock Limit		
1041	M1O	04-016/06:48:10.1		NOTE: ENTER HGA KEEP OUT ZONE		
1042	M1O	04-016/06:48:10.1	14	NOTE: Loss Of X-Band Signal		
1043	M1O	04-016/06:48:10.1	43	NOTE: Loss Of X-Band Signal		
1044	M1O	04-016/06:53:26.8		NOTE: Enter Planetary Atmosphere 9265		04-016/06:43:03.7
1045	M1O	04-016/06:54:01.2		NOTE: Apoapsis 9265 -		04-016/06:43:38.1
1046	M1O	04-016/06:54:04.2		NOTE: North Pole Crossing 9265		04-016/06:43:41.0
1047	M1O	04-016/06:55:36.5		NOTE: Enter Earth Occultation 9265		04-016/06:45:13.4
1048	M1O	04-016/06:59:50.1		NOTE: EXIT HGA KEEP OUT ZONE		
1049	M1O	04-016/07:00:00.0	14	End Tracking		
1050	M1O	04-016/07:08:37.5		NOTE: Exit Earth Occultation 9265		04-016/06:58:14.4
1051	M1O	04-016/07:08:37.5	43	Acquisition Of X-Band Signal		
1052	M1O	04-016/07:08:37.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1053	M1O	04-016/07:10:23.1		SPAWN, Engine = 65535, Parameters =	scdiag	04-016/07:00:00.0
1054	M1O	04-016/07:10:24.2		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-016/07:00:01.1
1055	M1O	04-016/07:10:25.2		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-016/07:00:02.1
1056	M1O	04-016/07:10:48.5		NOTE: Exit Planetary Atmosphere 9265		04-016/07:00:25.3
1057	M1O	04-016/07:11:26.1		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-016/07:01:03.0
1058	M1O	04-016/07:11:26.3		NOTE: Start Block fsw_diag		04-016/07:01:03.2
1059	M1O	04-016/07:11:27.3		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-016/07:01:04.2
1060	M1O	04-016/07:11:28.3		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	04-016/07:01:05.2
1061	M1O	04-016/07:11:39.3		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	04-016/07:01:16.2
1062	M1O	04-016/07:12:09.3		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-016/07:01:46.2
1063	M1O	04-016/07:12:29.3		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-016/07:02:06.2
1064	M1O	04-016/07:12:39.3		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-016/07:02:16.2
1065	M1O	04-016/07:12:59.3		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-016/07:02:36.2
1066	M1O	04-016/07:13:09.3		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-016/07:02:46.2
1067	M1O	04-016/07:13:14.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-016/07:02:51.2
1068	M1O	04-016/07:13:19.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-016/07:02:56.2
1069	M1O	04-016/07:13:24.4		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-016/07:03:01.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1070	M1O	04-016/07:13:29.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-016/07:03:06.2
1071	M1O	04-016/07:13:34.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-016/07:03:11.2
1072	M1O	04-016/07:13:36.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/07:03:13.5
1073	M1O	04-016/07:13:37.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/07:03:14.5
1074	M1O	04-016/07:13:37.7	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1075	M1O	04-016/07:13:38.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-016/07:03:15.5
1076	M1O	04-016/07:14:14.4		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-016/07:03:51.2
1077	M1O	04-016/07:14:19.4		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-016/07:03:56.2
1078	M1O	04-016/07:14:24.4		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-016/07:04:01.2
1079	M1O	04-016/07:14:29.4		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-016/07:04:06.2
1080	M1O	04-016/07:14:34.4		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-016/07:04:11.2
1081	M1O	04-016/07:14:35.4		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-016/07:04:12.2
1082	M1O	04-016/07:14:36.4		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-016/07:04:13.2
1083	M1O	04-016/07:14:37.4		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-016/07:04:14.2
1084	M1O	04-016/07:14:48.4		NOTE: End Block fsw_diag.mod		04-016/07:04:25.2
1085	M1O	04-016/07:15:00.0	14	End Post-Cal		
1086	M1O	04-016/07:24:02.8		NOTE: Descending Node Crossing 9266		04-016/07:13:39.6
1087	M1O	04-016/07:53:20.6		NOTE: South Pole Crossing 9266		04-016/07:42:57.3
1088	M1O	04-016/07:53:28.0		NOTE: Periapsis 9266 ----------		04-016/07:43:04.6
1089	M1O	04-016/08:14:56.3		SPAWN, Engine = 65535, Parameters = 016, 02, FALSE, 00:18:44.257, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-016/08:04:33.0
1090	M1O	04-016/08:14:57.4		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	04-016/08:04:34.1
1091	M1O	04-016/08:14:59.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-016/08:04:36.1
1092	M1O	04-016/08:15:41.6		CALL, Engine = , Parameters = 56	get_apid	04-016/08:05:18.3
1093	M1O	04-016/08:15:42.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-016/08:05:19.4
1094	M1O	04-016/08:15:42.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-016/08:05:19.6
1095	M1O	04-016/08:15:44.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-016/08:05:20.7
1096	M1O	04-016/08:15:45.2		CALL, Engine = , Parameters = 56	get_coding	04-016/08:05:21.9
1097	M1O	04-016/08:15:46.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-016/08:05:23.1
1098	M1O	04-016/08:15:47.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-016/08:05:24.3
1099	M1O	04-016/08:16:52.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-016/08:06:29.1
1100	M1O	04-016/08:16:53.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-016/08:06:30.1
1101	M1O	04-016/08:16:54.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-016/08:06:31.1
1102	M1O	04-016/08:16:55.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-016/08:06:32.1
1103	M1O	04-016/08:16:56.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-016/08:06:33.1
1104	M1O	04-016/08:16:57.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-016/08:06:34.1
1105	M1O	04-016/08:16:58.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-016/08:06:35.1
1106	M1O	04-016/08:21:13.4		NOTE: Enter Solar Eclipse 9266		04-016/08:10:49.9
1107	M1O	04-016/08:22:38.0		NOTE: Ascending Node Crossing 9266		04-016/08:12:14.5
1108	M1O	04-016/08:35:38.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-016/08:25:15.3
1109	M1O	04-016/08:35:39.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-016/08:25:16.4
1110	M1O	04-016/08:35:49.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-016/08:25:26.4
1111	M1O	04-016/08:35:50.9		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	04-016/08:25:27.4
1112	M1O	04-016/08:40:02.8		NOTE: Exit Solar Eclipse 9266		04-016/08:29:39.3
1113	M1O	04-016/08:45:20.4		SPAWN, Engine = 65535, Parameters = 3, 00:26:48.315, 1	dpt	04-016/08:34:57.0
1114	M1O	04-016/08:45:22.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/08:34:59.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1115	M1O	04-016/08:45:22.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1116	M1O	04-016/08:45:23.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-016/08:35:00.1
1117	M1O	04-016/08:46:22.4		NOTE: ENTER HGA KEEP OUT ZONE		
1118	M1O	04-016/08:46:22.4	43	NOTE: Loss Of X-Band Signal		
1119	M1O	04-016/08:51:55.3		NOTE: Enter Planetary Atmosphere 9266		04-016/08:41:31.8
1120	M1O	04-016/08:52:36.0		NOTE: North Pole Crossing 9266		04-016/08:42:12.5
1121	M1O	04-016/08:52:43.0		NOTE: Apoapsis 9266 -		04-016/08:42:19.5
1122	M1O	04-016/08:54:04.4		NOTE: Enter Earth Occultation 9266		04-016/08:43:40.9
1123	M1O	04-016/08:58:22.5		NOTE: EXIT HGA KEEP OUT ZONE		
1124	M1O	04-016/09:07:10.8		NOTE: Exit Earth Occultation 9266		04-016/08:56:47.3
1125	M1O	04-016/09:07:10.8	43	Acquisition Of X-Band Signal		
1126	M1O	04-016/09:07:10.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1127	M1O	04-016/09:09:21.2		NOTE: Exit Planetary Atmosphere 9266		04-016/08:58:57.6
1128	M1O	04-016/09:12:10.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/09:01:47.4
1129	M1O	04-016/09:12:10.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1130	M1O	04-016/09:12:11.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/09:01:48.4
1131	M1O	04-016/09:22:34.3		NOTE: Descending Node Crossing 9267		04-016/09:12:10.7
1132	M1O	04-016/09:45:00.0	63	Begin Pre-Cal		
1133	M1O	04-016/09:45:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1134	M1O	04-016/09:45:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1135	M1O	04-016/09:45:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1136	M1O	04-016/09:45:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1137	M1O	04-016/09:45:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
1138	M1O	04-016/09:45:00.0	63	Config: RCV: Parms:		
1139	M1O	04-016/09:45:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1140	M1O	04-016/09:45:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
1141	M1O	04-016/09:45:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
1142	M1O	04-016/09:51:49.6		NOTE: Periapsis 9267 ----------		04-016/09:41:25.9
1143	M1O	04-016/09:51:51.2		NOTE: South Pole Crossing 9267		04-016/09:41:27.5
1144	M1O	04-016/10:19:44.2		NOTE: Enter Solar Eclipse 9267		04-016/10:09:20.4
1145	M1O	04-016/10:21:08.1		NOTE: Ascending Node Crossing 9267		04-016/10:10:44.3
1146	M1O	04-016/10:38:28.9		NOTE: Exit Solar Eclipse 9267		04-016/10:28:05.0
1147	M1O	04-016/10:43:51.8		SPAWN, Engine = 65535, Parameters = 3, 00:26:42.582, 1	dpt	04-016/10:33:28.0
1148	M1O	04-016/10:43:53.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/10:33:30.1
1149	M1O	04-016/10:43:53.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1150	M1O	04-016/10:43:54.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-016/10:33:31.1
1151	M1O	04-016/10:44:53.8		NOTE: ENTER HGA KEEP OUT ZONE		
1152	M1O	04-016/10:44:53.8	43	NOTE: Loss Of X-Band Signal		
1153	M1O	04-016/10:50:32.6		NOTE: Enter Planetary Atmosphere 9267		04-016/10:40:08.7
1154	M1O	04-016/10:51:00.9		NOTE: Apoapsis 9267 -		04-016/10:40:37.0
1155	M1O	04-016/10:51:07.3		NOTE: North Pole Crossing 9267		04-016/10:40:43.4
1156	M1O	04-016/10:52:43.3		NOTE: Enter Earth Occultation 9267		04-016/10:42:19.4
1157	M1O	04-016/10:56:53.9		NOTE: EXIT HGA KEEP OUT ZONE		
1158	M1O	04-016/11:05:36.5		NOTE: Exit Earth Occultation 9267		04-016/10:55:12.5
1159	M1O	04-016/11:05:36.5	43	Acquisition Of X-Band Signal		
1160	M1O	04-016/11:05:36.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1161	M1O	04-016/11:07:48.6		NOTE: Exit Planetary Atmosphere 9267		04-016/10:57:24.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1162	M1O	04-016/11:10:36.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/11:00:12.6
1163	M1O	04-016/11:10:36.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1164	M1O	04-016/11:10:37.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/11:00:13.6
1165	M1O	04-016/11:21:06.4		NOTE: Descending Node Crossing 9268		04-016/11:10:42.5
1166	M1O	04-016/11:50:02.8		NOTE: Periapsis 9268 ----------		04-016/11:39:38.8
1167	M1O	04-016/11:50:23.6		NOTE: South Pole Crossing 9268		04-016/11:39:59.6
1168	M1O	04-016/12:00:00.0	63	Begin Tracking		
1169	M1O	04-016/12:00:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1170	M1O	04-016/12:11:30.0	63	NOTE: Above Uplink Interlock Limit		
1171	M1O	04-016/12:15:00.0	43	End Tracking		
1172	M1O	04-016/12:18:20.5		NOTE: Enter Solar Eclipse 9268		04-016/12:07:56.3
1173	M1O	04-016/12:19:41.6		NOTE: Ascending Node Crossing 9268		04-016/12:09:17.5
1174	M1O	04-016/12:30:00.0	43	End Post-Cal		
1175	M1O	04-016/12:36:56.4		NOTE: Exit Solar Eclipse 9268		04-016/12:26:32.2
1176	M1O	04-016/12:42:24.2		SPAWN, Engine = 65535, Parameters = 3, 00:26:36.868, 1	dpt	04-016/12:32:00.0
1177	M1O	04-016/12:42:26.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/12:32:02.1
1178	M1O	04-016/12:42:26.3	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1179	M1O	04-016/12:42:27.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-016/12:32:03.1
1180	M1O	04-016/12:43:26.2		NOTE: ENTER HGA KEEP OUT ZONE		
1181	M1O	04-016/12:43:26.2	63	NOTE: Loss Of X-Band Signal		
1182	M1O	04-016/12:49:14.6		NOTE: Enter Planetary Atmosphere 9268		04-016/12:38:50.4
1183	M1O	04-016/12:49:20.9		NOTE: Apoapsis 9268 -		04-016/12:38:56.6
1184	M1O	04-016/12:49:41.6		NOTE: North Pole Crossing 9268		04-016/12:39:17.4
1185	M1O	04-016/12:51:27.7		NOTE: Enter Earth Occultation 9268		04-016/12:41:03.5
1186	M1O	04-016/12:55:26.2		NOTE: EXIT HGA KEEP OUT ZONE		
1187	M1O	04-016/13:04:03.1		NOTE: Exit Earth Occultation 9268		04-016/12:53:38.8
1188	M1O	04-016/13:04:03.1	63	Acquisition Of X-Band Signal		
1189	M1O	04-016/13:04:03.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1190	M1O	04-016/13:06:17.7		NOTE: Exit Planetary Atmosphere 9268		04-016/12:55:53.3
1191	M1O	04-016/13:09:03.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/12:58:38.9
1192	M1O	04-016/13:09:03.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1193	M1O	04-016/13:09:04.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/12:58:39.9
1194	M1O	04-016/13:14:32.3		SPAWN, Engine = 65535, Parameters = 016, 03, TRUE, 00:17:00, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-016/13:04:08.0
1195	M1O	04-016/13:14:32.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/13:04:08.5
1196	M1O	04-016/13:14:32.8	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1197	M1O	04-016/13:14:33.4		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	04-016/13:04:09.1
1198	M1O	04-016/13:14:35.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-016/13:04:11.1
1199	M1O	04-016/13:14:35.7		CALL, Engine = , Parameters = 016, 03, 254	bld_autosw	04-016/13:04:11.4
1200	M1O	04-016/13:14:36.8		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-016/13:04:12.5
1201	M1O	04-016/13:14:37.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:13.6
1202	M1O	04-016/13:14:38.9		Deletes the designated file.: d:/dat/254_doy016_pass03_file01.dat	FILE_DELETE	04-016/13:04:14.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1203	M1O	04-016/13:14:40.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:15.7
1204	M1O	04-016/13:14:41.0		Deletes the designated file.: d:/dat/254_doy016_pass03_file02.dat	FILE_DELETE	04-016/13:04:16.7
1205	M1O	04-016/13:14:42.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:17.8
1206	M1O	04-016/13:14:43.1		Deletes the designated file.: d:/dat/254_doy016_pass03_file03.dat	FILE_DELETE	04-016/13:04:18.8
1207	M1O	04-016/13:14:44.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:19.9
1208	M1O	04-016/13:14:45.2		Deletes the designated file.: d:/dat/254_doy016_pass03_file04.dat	FILE_DELETE	04-016/13:04:20.9
1209	M1O	04-016/13:14:46.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:22.0
1210	M1O	04-016/13:14:47.3		Deletes the designated file.: d:/dat/254_doy016_pass03_file05.dat	FILE_DELETE	04-016/13:04:23.0
1211	M1O	04-016/13:14:48.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:24.1
1212	M1O	04-016/13:14:49.4		Deletes the designated file.: d:/dat/254_doy016_pass03_file06.dat	FILE_DELETE	04-016/13:04:25.1
1213	M1O	04-016/13:14:50.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:26.2
1214	M1O	04-016/13:14:51.5		Deletes the designated file.: d:/dat/254_doy016_pass03_file07.dat	FILE_DELETE	04-016/13:04:27.2
1215	M1O	04-016/13:14:52.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:28.3
1216	M1O	04-016/13:14:53.6		Deletes the designated file.: d:/dat/254_doy016_pass03_file08.dat	FILE_DELETE	04-016/13:04:29.3
1217	M1O	04-016/13:14:54.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:30.4
1218	M1O	04-016/13:14:55.7		Deletes the designated file.: d:/dat/254_doy016_pass03_file09.dat	FILE_DELETE	04-016/13:04:31.4
1219	M1O	04-016/13:14:56.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:32.5
1220	M1O	04-016/13:14:57.8		Deletes the designated file.: d:/dat/254_doy016_pass03_file10.dat	FILE_DELETE	04-016/13:04:33.5
1221	M1O	04-016/13:14:58.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:34.6
1222	M1O	04-016/13:14:59.9		Deletes the designated file.: d:/dat/254_doy016_pass03_file11.dat	FILE_DELETE	04-016/13:04:35.6
1223	M1O	04-016/13:15:01.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:36.7
1224	M1O	04-016/13:15:02.0		Deletes the designated file.: d:/dat/254_doy016_pass03_file12.dat	FILE_DELETE	04-016/13:04:37.7
1225	M1O	04-016/13:15:03.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:38.8
1226	M1O	04-016/13:15:04.1		Deletes the designated file.: d:/dat/254_doy016_pass03_file13.dat	FILE_DELETE	04-016/13:04:39.8
1227	M1O	04-016/13:15:05.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:40.9
1228	M1O	04-016/13:15:06.2		Deletes the designated file.: d:/dat/254_doy016_pass03_file14.dat	FILE_DELETE	04-016/13:04:41.9
1229	M1O	04-016/13:15:07.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:43.0
1230	M1O	04-016/13:15:08.3		Deletes the designated file.: d:/dat/254_doy016_pass03_file15.dat	FILE_DELETE	04-016/13:04:44.0
1231	M1O	04-016/13:15:09.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:45.1
1232	M1O	04-016/13:15:10.4		Deletes the designated file.: d:/dat/254_doy016_pass03_file16.dat	FILE_DELETE	04-016/13:04:46.1
1233	M1O	04-016/13:15:11.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:47.2
1234	M1O	04-016/13:15:12.5		Deletes the designated file.: d:/dat/254_doy016_pass03_file17.dat	FILE_DELETE	04-016/13:04:48.2
1235	M1O	04-016/13:15:13.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:49.3
1236	M1O	04-016/13:15:14.6		Deletes the designated file.: d:/dat/254_doy016_pass03_file18.dat	FILE_DELETE	04-016/13:04:50.3
1237	M1O	04-016/13:15:15.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy016_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-016/13:04:51.4
1238	M1O	04-016/13:15:16.7		Deletes the designated file.: d:/dat/254_doy016_pass03_file19.dat	FILE_DELETE	04-016/13:04:52.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1239	M1O	04-016/13:15:17.7		CALL, Engine = , Parameters = 254	get_apid	04-016/13:04:53.4
1240	M1O	04-016/13:15:18.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-016/13:04:54.5
1241	M1O	04-016/13:15:19.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-016/13:04:54.7
1242	M1O	04-016/13:15:20.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-016/13:04:55.8
1243	M1O	04-016/13:15:21.4		CALL, Engine = , Parameters = 254	get_coding	04-016/13:04:57.1
1244	M1O	04-016/13:15:22.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-016/13:04:58.3
1245	M1O	04-016/13:15:23.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-016/13:04:59.5
1246	M1O	04-016/13:16:28.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-016/13:06:04.3
1247	M1O	04-016/13:16:29.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-016/13:06:05.3
1248	M1O	04-016/13:16:30.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-016/13:06:06.3
1249	M1O	04-016/13:16:31.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-016/13:06:07.3
1250	M1O	04-016/13:16:32.6		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-016/13:06:08.3
1251	M1O	04-016/13:16:33.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-016/13:06:09.3
1252	M1O	04-016/13:16:34.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-016/13:06:10.3
1253	M1O	04-016/13:18:24.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/13:08:00.3
1254	M1O	04-016/13:18:34.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-016/13:08:10.3
1255	M1O	04-016/13:19:41.2		NOTE: Descending Node Crossing 9269		04-016/13:09:16.9
1256	M1O	04-016/13:33:32.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-016/13:23:08.3
1257	M1O	04-016/13:33:33.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-016/13:23:09.4
1258	M1O	04-016/13:33:43.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-016/13:23:19.4
1259	M1O	04-016/13:33:44.8		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	04-016/13:23:20.4
1260	M1O	04-016/13:33:45.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-016/13:23:21.4
1261	M1O	04-016/13:33:45.8	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1262	M1O	04-016/13:33:46.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-016/13:23:22.4
1263	M1O	04-016/13:38:45.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/13:28:21.0
1264	M1O	04-016/13:38:45.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1265	M1O	04-016/13:48:51.7		NOTE: Periapsis 9269 ----------		04-016/13:38:27.2
1266	M1O	04-016/13:48:59.8		NOTE: South Pole Crossing 9269		04-016/13:38:35.4
1267	M1O	04-016/14:16:57.6		NOTE: Enter Solar Eclipse 9269		04-016/14:06:33.1
1268	M1O	04-016/14:18:18.7		NOTE: Ascending Node Crossing 9269		04-016/14:07:54.1
1269	M1O	04-016/14:35:31.6		NOTE: Exit Solar Eclipse 9269		04-016/14:25:07.0
1270	M1O	04-016/14:41:19.6		SPAWN, Engine = 65535, Parameters = 3, 00:26:45.013, 1	dpt	04-016/14:30:55.0
1271	M1O	04-016/14:41:21.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/14:30:57.1
1272	M1O	04-016/14:41:21.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1273	M1O	04-016/14:41:22.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-016/14:30:58.1
1274	M1O	04-016/14:42:18.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1275	M1O	04-016/14:42:21.6		NOTE: ENTER HGA KEEP OUT ZONE		
1276	M1O	04-016/14:42:21.6	63	NOTE: Loss Of X-Band Signal		
1277	M1O	04-016/14:47:18.0	63	Range Modulation On: SUP=3.0dB		
1278	M1O	04-016/14:47:53.2		NOTE: Enter Planetary Atmosphere 9269		04-016/14:37:28.5
1279	M1O	04-016/14:48:18.0	63	Begin Ranging Acquisition		
1280	M1O	04-016/14:48:18.1		NOTE: North Pole Crossing 9269		04-016/14:37:53.5
1281	M1O	04-016/14:48:18.4		NOTE: Apoapsis 9269 -		04-016/14:37:53.7
1282	M1O	04-016/14:50:07.3		NOTE: Enter Earth Occultation 9269		04-016/14:39:42.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1283	M1O	04-016/14:53:41.6		NOTE: EXIT HGA KEEP OUT ZONE		
1284	M1O	04-016/15:02:35.5		NOTE: Exit Earth Occultation 9269		04-016/14:52:10.9
1285	M1O	04-016/15:02:35.5	63	Acquisition Of X-Band Signal		
1286	M1O	04-016/15:02:35.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1287	M1O	04-016/15:03:07.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1288	M1O	04-016/15:04:50.9		NOTE: Exit Planetary Atmosphere 9269		04-016/14:54:26.2
1289	M1O	04-016/15:08:06.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/14:57:42.1
1290	M1O	04-016/15:08:06.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1291	M1O	04-016/15:08:07.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/14:57:43.1
1292	M1O	04-016/15:12:07.7		SPAWN, Engine = 65535, Parameters = 016, 04, FALSE, 00:16:47.062, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-016/15:01:43.0
1293	M1O	04-016/15:12:08.8		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	04-016/15:01:44.1
1294	M1O	04-016/15:12:10.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-016/15:01:46.1
1295	M1O	04-016/15:12:53.0		CALL, Engine = , Parameters = 254	get_apid	04-016/15:02:28.3
1296	M1O	04-016/15:12:54.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-016/15:02:29.4
1297	M1O	04-016/15:12:54.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-016/15:02:29.6
1298	M1O	04-016/15:12:55.4		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-016/15:02:30.7
1299	M1O	04-016/15:12:56.7		CALL, Engine = , Parameters = 254	get_coding	04-016/15:02:32.0
1300	M1O	04-016/15:12:57.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-016/15:02:33.2
1301	M1O	04-016/15:12:59.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-016/15:02:34.4
1302	M1O	04-016/15:14:03.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-016/15:03:39.2
1303	M1O	04-016/15:14:04.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-016/15:03:40.2
1304	M1O	04-016/15:14:05.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-016/15:03:41.2
1305	M1O	04-016/15:14:06.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-016/15:03:42.2
1306	M1O	04-016/15:14:07.9		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-016/15:03:43.2
1307	M1O	04-016/15:14:08.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-016/15:03:44.2
1308	M1O	04-016/15:14:09.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-016/15:03:45.2
1309	M1O	04-016/15:18:17.7		NOTE: Descending Node Crossing 9270		04-016/15:07:53.0
1310	M1O	04-016/15:30:53.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-016/15:20:28.2
1311	M1O	04-016/15:30:54.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-016/15:20:29.3
1312	M1O	04-016/15:31:04.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-016/15:20:39.3
1313	M1O	04-016/15:31:05.1		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	04-016/15:20:40.3
1314	M1O	04-016/15:47:37.0		NOTE: South Pole Crossing 9270		04-016/15:37:12.2
1315	M1O	04-016/15:47:52.9		NOTE: Periapsis 9270 ----------		04-016/15:37:28.0
1316	M1O	04-016/16:05:27.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
1317	M1O	04-016/16:15:27.0	63	Range Modulation Off		
1318	M1O	04-016/16:15:32.8		NOTE: Enter Solar Eclipse 9270		04-016/16:05:07.8
1319	M1O	04-016/16:16:55.7		NOTE: Ascending Node Crossing 9270		04-016/16:06:30.7
1320	M1O	04-016/16:20:27.0	63	X-Band Transmitter Off		
1321	M1O	04-016/16:34:09.0		NOTE: Exit Solar Eclipse 9270		04-016/16:23:44.0
1322	M1O	04-016/16:40:14.0		SPAWN, Engine = 65535, Parameters = 3, 00:26:26, 1	dpt	04-016/16:29:49.0
1323	M1O	04-016/16:40:16.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/16:29:51.1
1324	M1O	04-016/16:40:16.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1325	M1O	04-016/16:40:17.1		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-016/16:29:52.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
1326	M1O	04-016/16:40:53.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1327	M1O	04-016/16:41:16.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1328	M1O	04-016/16:41:17.9		NOTE: ENTER HGA KEEP OUT ZONE		
1329	M1O	04-016/16:41:17.9	63	NOTE: Loss Of X-Band Signal		
1330	M1O	04-016/16:45:53.0	63	Range Modulation On: SUP=3.0dB		
1331	M1O	04-016/16:46:29.3		NOTE: Enter Planetary Atmosphere 9270		04-016/16:36:04.3
1332	M1O	04-016/16:46:53.0	63	Begin Ranging Acquisition		
1333	M1O	04-016/16:46:54.8		NOTE: North Pole Crossing 9270		04-016/16:36:29.8
1334	M1O	04-016/16:47:21.4		NOTE: Apoapsis 9270 -		04-016/16:36:56.4
1335	M1O	04-016/16:48:43.6		NOTE: Enter Earth Occultation 9270		04-016/16:38:18.6
1336	M1O	04-016/16:52:18.0		NOTE: EXIT HGA KEEP OUT ZONE		
1337	M1O	04-016/17:01:10.7		NOTE: Exit Earth Occultation 9270		04-016/16:50:45.7
1338	M1O	04-016/17:01:10.7	63	Acquisition Of X-Band Signal		
1339	M1O	04-016/17:01:10.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1340	M1O	04-016/17:01:42.9	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1341	M1O	04-016/17:03:26.3		NOTE: Exit Planetary Atmosphere 9270		04-016/16:53:01.2
1342	M1O	04-016/17:06:42.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/16:56:17.1
1343	M1O	04-016/17:06:42.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1344	M1O	04-016/17:06:43.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/16:56:18.1
1345	M1O	04-016/17:16:54.7		NOTE: Descending Node Crossing 9271		04-016/17:06:29.6
1346	M1O	04-016/17:46:13.3		NOTE: South Pole Crossing 9271		04-016/17:35:48.1
1347	M1O	04-016/17:46:42.5		NOTE: Periapsis 9271 ----------		04-016/17:36:17.3
1348	M1O	04-016/18:04:02.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
1349	M1O	04-016/18:14:02.0	63	Range Modulation Off		
1350	M1O	04-016/18:14:05.5		NOTE: Enter Solar Eclipse 9271		04-016/18:03:40.2
1351	M1O	04-016/18:15:30.9		NOTE: Ascending Node Crossing 9271		04-016/18:05:05.6
1352	M1O	04-016/18:19:02.0	63	X-Band Transmitter Off		
1353	M1O	04-016/18:32:46.1		NOTE: Exit Solar Eclipse 9271		04-016/18:22:20.8
1354	M1O	04-016/18:38:50.5		SPAWN, Engine = 65535, Parameters = 3, 00:26:28, 1	dpt	04-016/18:28:25.1
1355	M1O	04-016/18:38:52.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/18:28:27.2
1356	M1O	04-016/18:38:52.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1357	M1O	04-016/18:38:53.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-016/18:28:28.2
1358	M1O	04-016/18:39:30.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1359	M1O	04-016/18:39:52.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1360	M1O	04-016/18:39:54.3		NOTE: ENTER HGA KEEP OUT ZONE		
1361	M1O	04-016/18:39:54.3	63	NOTE: Loss Of X-Band Signal		
1362	M1O	04-016/18:44:30.0	63	Range Modulation On: SUP=3.0dB		
1363	M1O	04-016/18:45:00.7		NOTE: Enter Planetary Atmosphere 9271		04-016/18:34:35.4
1364	M1O	04-016/18:45:29.9		NOTE: North Pole Crossing 9271		04-016/18:35:04.5
1365	M1O	04-016/18:45:30.0	63	Begin Ranging Acquisition		
1366	M1O	04-016/18:45:58.3		NOTE: Apoapsis 9271 -		04-016/18:35:32.9
1367	M1O	04-016/18:47:14.1		NOTE: Enter Earth Occultation 9271		04-016/18:36:48.7
1368	M1O	04-016/18:50:54.4		NOTE: EXIT HGA KEEP OUT ZONE		
1369	M1O	04-016/18:59:48.8		NOTE: Exit Earth Occultation 9271		04-016/18:49:23.3
1370	M1O	04-016/18:59:48.8	63	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1371	M1O	04-016/18:59:48.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1372	M1O	04-016/19:00:20.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1373	M1O	04-016/19:01:33.4		SPAWN, Engine = 65535, Parameters = 016, 03, FALSE, 00:16:51.587, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-016/18:51:08.0
1374	M1O	04-016/19:01:34.5		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	04-016/18:51:09.1
1375	M1O	04-016/19:01:36.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-016/18:51:11.1
1376	M1O	04-016/19:02:03.4		NOTE: Exit Planetary Atmosphere 9271		04-016/18:51:38.0
1377	M1O	04-016/19:02:18.7		CALL, Engine = , Parameters = 56	get_apid	04-016/18:51:53.3
1378	M1O	04-016/19:02:19.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-016/18:51:54.4
1379	M1O	04-016/19:02:20.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-016/18:51:54.6
1380	M1O	04-016/19:02:21.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-016/18:51:55.7
1381	M1O	04-016/19:02:22.3		CALL, Engine = , Parameters = 56	get_coding	04-016/18:51:56.9
1382	M1O	04-016/19:02:23.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-016/18:51:58.1
1383	M1O	04-016/19:02:24.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-016/18:51:59.3
1384	M1O	04-016/19:03:29.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-016/18:53:04.1
1385	M1O	04-016/19:03:30.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-016/18:53:05.1
1386	M1O	04-016/19:03:31.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-016/18:53:06.1
1387	M1O	04-016/19:03:32.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-016/18:53:07.1
1388	M1O	04-016/19:03:33.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-016/18:53:08.1
1389	M1O	04-016/19:03:34.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-016/18:53:09.1
1390	M1O	04-016/19:03:35.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-016/18:53:10.1
1391	M1O	04-016/19:05:20.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/18:54:55.2
1392	M1O	04-016/19:05:20.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1393	M1O	04-016/19:05:21.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/18:54:56.2
1394	M1O	04-016/19:15:29.5		NOTE: Descending Node Crossing 9272		04-016/19:05:04.0
1395	M1O	04-016/19:20:23.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-016/19:09:57.6
1396	M1O	04-016/19:20:24.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-016/19:09:58.7
1397	M1O	04-016/19:20:34.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-016/19:10:08.7
1398	M1O	04-016/19:20:35.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-016/19:10:09.7
1399	M1O	04-016/19:44:46.9		NOTE: South Pole Crossing 9272		04-016/19:34:21.3
1400	M1O	04-016/19:45:04.8		NOTE: Periapsis 9272 ----------		04-016/19:34:39.3
1401	M1O	04-016/20:02:17.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
1402	M1O	04-016/20:12:17.0	63	Range Modulation Off		
1403	M1O	04-016/20:12:37.3		NOTE: Enter Solar Eclipse 9272		04-016/20:02:11.6
1404	M1O	04-016/20:14:03.5		NOTE: Ascending Node Crossing 9272		04-016/20:03:37.9
1405	M1O	04-016/20:17:17.0	63	X-Band Transmitter Off		
1406	M1O	04-016/20:31:20.7		NOTE: Exit Solar Eclipse 9272		04-016/20:20:55.0
1407	M1O	04-016/20:37:05.8		SPAWN, Engine = 65535, Parameters = 3, 00:26:49, 1	dpt	04-016/20:26:40.1
1408	M1O	04-016/20:37:07.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/20:26:42.2
1409	M1O	04-016/20:37:07.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1410	M1O	04-016/20:37:08.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-016/20:26:43.2
1411	M1O	04-016/20:38:06.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1412	M1O	04-016/20:38:08.3	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		
1413	M1O	04-016/20:38:09.7		NOTE: ENTER HGA KEEP OUT ZONE		
1414	M1O	04-016/20:38:09.7	63	NOTE: Loss Of X-Band Signal		
1415	M1O	04-016/20:43:06.0	63	Range Modulation On: SUP=3.0dB		
1416	M1O	04-016/20:43:28.6		NOTE: Enter Planetary Atmosphere 9272		04-016/20:33:02.8
1417	M1O	04-016/20:44:02.2		NOTE: North Pole Crossing 9272		04-016/20:33:36.4
1418	M1O	04-016/20:44:06.0	63	Begin Ranging Acquisition		
1419	M1O	04-016/20:44:10.9		NOTE: Apoapsis 9272 -		04-016/20:33:45.1
1420	M1O	04-016/20:45:40.7		NOTE: Enter Earth Occultation 9272		04-016/20:35:14.9
1421	M1O	04-016/20:49:29.7		NOTE: EXIT HGA KEEP OUT ZONE		
1422	M1O	04-016/20:58:25.1		NOTE: Exit Earth Occultation 9272		04-016/20:47:59.3
1423	M1O	04-016/20:58:25.1	63	Acquisition Of X-Band Signal		
1424	M1O	04-016/20:58:25.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1425	M1O	04-016/20:58:34.8		SPAWN, Engine = 65535, Parameters = 016, 04, FALSE, 00:17:30.603, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-016/20:48:09.0
1426	M1O	04-016/20:58:35.9		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	04-016/20:48:10.1
1427	M1O	04-016/20:58:37.9		CALL, Engine = , Parameters = 56	get_cmd_opt	04-016/20:48:12.1
1428	M1O	04-016/20:58:57.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1429	M1O	04-016/20:59:20.1		CALL, Engine = , Parameters = 56	get_apid	04-016/20:48:54.3
1430	M1O	04-016/20:59:21.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-016/20:48:55.4
1431	M1O	04-016/20:59:21.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-016/20:48:55.6
1432	M1O	04-016/20:59:22.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-016/20:48:56.7
1433	M1O	04-016/20:59:23.7		CALL, Engine = , Parameters = 56	get_coding	04-016/20:48:57.9
1434	M1O	04-016/20:59:24.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-016/20:48:59.1
1435	M1O	04-016/20:59:26.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-016/20:49:00.3
1436	M1O	04-016/21:00:30.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-016/20:50:05.1
1437	M1O	04-016/21:00:31.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-016/20:50:06.1
1438	M1O	04-016/21:00:32.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-016/20:50:07.1
1439	M1O	04-016/21:00:33.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-016/20:50:08.1
1440	M1O	04-016/21:00:34.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-016/20:50:09.1
1441	M1O	04-016/21:00:35.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-016/20:50:10.1
1442	M1O	04-016/21:00:36.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-016/20:50:11.1
1443	M1O	04-016/21:00:38.6		NOTE: Exit Planetary Atmosphere 9272		04-016/20:50:12.8
1444	M1O	04-016/21:03:57.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/20:53:31.2
1445	M1O	04-016/21:03:57.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1446	M1O	04-016/21:03:58.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/20:53:32.2
1447	M1O	04-016/21:14:01.1		NOTE: Descending Node Crossing 9273		04-016/21:03:35.2
1448	M1O	04-016/21:18:03.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-016/21:07:37.7
1449	M1O	04-016/21:18:04.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-016/21:07:38.8
1450	M1O	04-016/21:18:14.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-016/21:07:48.8
1451	M1O	04-016/21:18:15.6		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	04-016/21:07:49.8
1452	M1O	04-016/21:20:00.0	26	Begin Pre-Cal		
1453	M1O	04-016/21:20:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1454	M1O	04-016/21:20:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1455	M1O	04-016/21:20:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1456	M1O	04-016/21:20:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1457	M1O	04-016/21:20:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
1458	M1O	04-016/21:20:00.0	26	Config: RCV: Parms:		
1459	M1O	04-016/21:20:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1460	M1O	04-016/21:20:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
1461	M1O	04-016/21:20:00.0	26	Config: TXL		
1462	M1O	04-016/21:20:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1463	M1O	04-016/21:20:00.0	26	Config: CMD		
1464	M1O	04-016/21:20:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1465	M1O	04-016/21:43:18.0		NOTE: Periapsis 9273 ----------		04-016/21:32:52.0
1466	M1O	04-016/21:43:18.1		NOTE: South Pole Crossing 9273		04-016/21:32:52.2
1467	M1O	04-016/22:00:48.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
1468	M1O	04-016/22:10:48.0	63	Range Modulation Off		
1469	M1O	04-016/22:11:10.1		NOTE: Enter Solar Eclipse 9273		04-016/22:00:44.0
1470	M1O	04-016/22:12:35.2		NOTE: Ascending Node Crossing 9273		04-016/22:02:09.2
1471	M1O	04-016/22:15:48.0	63	X-Band Transmitter Off		
1472	M1O	04-016/22:20:00.0	26	Begin Tracking		
1473	M1O	04-016/22:20:00.0	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		
1474	M1O	04-016/22:29:51.3		NOTE: Exit Solar Eclipse 9273		04-016/22:19:25.2
1475	M1O	04-016/22:35:37.2		SPAWN, Engine = 65535, Parameters = 3, 00:29:21.576, 1	dpt	04-016/22:25:11.1
1476	M1O	04-016/22:35:39.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-016/22:25:13.2
1477	M1O	04-016/22:35:39.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1478	M1O	04-016/22:35:39.3	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		
1479	M1O	04-016/22:35:40.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-016/22:25:14.2
1480	M1O	04-016/22:36:34.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1481	M1O	04-016/22:36:40.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1482	M1O	04-016/22:36:40.1	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1483	M1O	04-016/22:36:41.1		NOTE: ENTER HGA KEEP OUT ZONE		
1484	M1O	04-016/22:36:41.1	63	NOTE: Loss Of X-Band Signal		
1485	M1O	04-016/22:36:41.1	26	NOTE: Loss Of X-Band Signal		
1486	M1O	04-016/22:41:34.0	26	Range Modulation On: SUP=3.0dB		
1487	M1O	04-016/22:42:00.8		NOTE: Enter Planetary Atmosphere 9273		04-016/22:31:34.6
1488	M1O	04-016/22:42:33.5		NOTE: North Pole Crossing 9273		04-016/22:32:07.4
1489	M1O	04-016/22:42:34.0	26	Begin Ranging Acquisition		
1490	M1O	04-016/22:42:41.2		NOTE: Apoapsis 9273 -		04-016/22:32:15.0
1491	M1O	04-016/22:44:13.5		NOTE: Enter Earth Occultation 9273		04-016/22:33:47.4
1492	M1O	04-016/22:48:01.1		NOTE: EXIT HGA KEEP OUT ZONE		
1493	M1O	04-016/22:56:53.6		NOTE: Exit Earth Occultation 9273		04-016/22:46:27.4
1494	M1O	04-016/22:56:53.6	63	Acquisition Of X-Band Signal		
1495	M1O	04-016/22:56:53.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1496	M1O	04-016/22:56:53.6	26	Acquisition Of X-Band Signal		
1497	M1O	04-016/22:56:53.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1498	M1O	04-016/22:57:26.2	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		
1499	M1O	04-016/22:57:26.2	26	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1500	M1O	04-016/22:59:07.6		NOTE: Exit Planetary Atmosphere 9273		04-016/22:48:41.5
1501	M1O	04-016/23:00:00.0	63	End Tracking		
1502	M1O	04-016/23:00:00.9		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-016/22:49:34.7
1503	M1O	04-016/23:00:00.9		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	04-016/22:49:34.7
1504	M1O	04-016/23:00:00.9	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1505	M1O	04-016/23:00:06.9		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-016/22:49:40.7
1506	M1O	04-016/23:00:06.9	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1507	M1O	04-016/23:05:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-016/22:54:34.8
1508	M1O	04-016/23:05:01.0	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1509	M1O	04-016/23:05:02.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-016/22:54:35.8
1510	M1O	04-016/23:12:31.9		NOTE: Descending Node Crossing 9274		04-016/23:02:05.7
1511	M1O	04-016/23:15:00.0	63	End Post-Cal		
1512	M1O	04-016/23:41:46.7		NOTE: Periapsis 9274 ----------		04-016/23:31:20.3
1513	M1O	04-016/23:41:49.8		NOTE: South Pole Crossing 9274		04-016/23:31:23.4
1514	M1O	04-016/23:59:17.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
1515	M1O	04-017/00:00:00.0		Light Time: OWLT = 10:26, RTLT = 20:52		
1516	M1O	04-017/00:09:17.0	26	Range Modulation Off		
1517	M1O	04-017/00:09:43.9		NOTE: Enter Solar Eclipse 9274		04-016/23:59:17.5
1518	M1O	04-017/00:11:07.9		NOTE: Ascending Node Crossing 9274		04-017/00:00:41.5
1519	M1O	04-017/00:14:17.0	26	X-Band Transmitter Off		
1520	M1O	04-017/00:28:18.3		NOTE: Exit Solar Eclipse 9274		04-017/00:17:51.8
1521	M1O	04-017/00:34:07.7		SPAWN, Engine = 65535, Parameters = 3, 00:26:38, 1	dpt	04-017/00:23:41.2
1522	M1O	04-017/00:34:09.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/00:23:43.3
1523	M1O	04-017/00:34:09.8	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1524	M1O	04-017/00:34:10.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/00:23:44.3
1525	M1O	04-017/00:34:55.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1526	M1O	04-017/00:35:09.8	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1527	M1O	04-017/00:35:11.4		NOTE: ENTER HGA KEEP OUT ZONE		
1528	M1O	04-017/00:35:11.4	26	NOTE: Loss Of X-Band Signal		
1529	M1O	04-017/00:39:55.0	26	Range Modulation On: SUP=3.0dB		
1530	M1O	04-017/00:40:44.6		NOTE: Enter Planetary Atmosphere 9274		04-017/00:30:18.1
1531	M1O	04-017/00:40:55.0	26	Begin Ranging Acquisition		
1532	M1O	04-017/00:41:07.4		NOTE: North Pole Crossing 9274		04-017/00:30:40.9
1533	M1O	04-017/00:41:23.2		NOTE: Apoapsis 9274 -		04-017/00:30:56.7
1534	M1O	04-017/00:43:00.7		NOTE: Enter Earth Occultation 9274		04-017/00:32:34.1
1535	M1O	04-017/00:46:31.5		NOTE: EXIT HGA KEEP OUT ZONE		
1536	M1O	04-017/00:55:16.8		NOTE: Exit Earth Occultation 9274		04-017/00:44:50.2
1537	M1O	04-017/00:55:16.8	26	Acquisition Of X-Band Signal		
1538	M1O	04-017/00:55:16.8	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1539	M1O	04-017/00:55:47.9	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1540	M1O	04-017/00:57:34.1		NOTE: Exit Planetary Atmosphere 9274		04-017/00:47:07.5
1541	M1O	04-017/01:00:47.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/00:50:21.3
1542	M1O	04-017/01:00:47.9	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1543	M1O	04-017/01:00:48.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/00:50:22.3
1544	M1O	04-017/01:11:07.2		NOTE: Descending Node Crossing 9275		04-017/01:00:40.6
1545	M1O	04-017/01:40:25.2		NOTE: South Pole Crossing 9275		04-017/01:29:58.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1546	M1O	04-017/01:40:29.7		NOTE: Periapsis 9275 ----------		04-017/01:30:03.0
1547	M1O	04-017/01:54:17.7		SPAWN, Engine = 65535, Parameters = 017, 01, TRUE, 00:18:09, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-017/01:43:51.0
1548	M1O	04-017/01:54:18.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/01:43:51.5
1549	M1O	04-017/01:54:18.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1550	M1O	04-017/01:54:18.8		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	04-017/01:43:52.1
1551	M1O	04-017/01:54:20.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-017/01:43:54.1
1552	M1O	04-017/01:54:21.1		CALL, Engine = , Parameters = 017, 01, 254	bld_autosw	04-017/01:43:54.4
1553	M1O	04-017/01:54:22.2		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-017/01:43:55.5
1554	M1O	04-017/01:54:23.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:43:56.6
1555	M1O	04-017/01:54:24.3		Deletes the designated file.: d:/dat/254_doy017_pass01_file01.dat	FILE_DELETE	04-017/01:43:57.6
1556	M1O	04-017/01:54:25.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:43:58.7
1557	M1O	04-017/01:54:26.4		Deletes the designated file.: d:/dat/254_doy017_pass01_file02.dat	FILE_DELETE	04-017/01:43:59.7
1558	M1O	04-017/01:54:27.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:00.8
1559	M1O	04-017/01:54:28.5		Deletes the designated file.: d:/dat/254_doy017_pass01_file03.dat	FILE_DELETE	04-017/01:44:01.8
1560	M1O	04-017/01:54:29.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:02.9
1561	M1O	04-017/01:54:30.6		Deletes the designated file.: d:/dat/254_doy017_pass01_file04.dat	FILE_DELETE	04-017/01:44:03.9
1562	M1O	04-017/01:54:31.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:05.0
1563	M1O	04-017/01:54:32.7		Deletes the designated file.: d:/dat/254_doy017_pass01_file05.dat	FILE_DELETE	04-017/01:44:06.0
1564	M1O	04-017/01:54:33.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:07.1
1565	M1O	04-017/01:54:34.8		Deletes the designated file.: d:/dat/254_doy017_pass01_file06.dat	FILE_DELETE	04-017/01:44:08.1
1566	M1O	04-017/01:54:35.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:09.2
1567	M1O	04-017/01:54:36.9		Deletes the designated file.: d:/dat/254_doy017_pass01_file07.dat	FILE_DELETE	04-017/01:44:10.2
1568	M1O	04-017/01:54:38.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:11.3
1569	M1O	04-017/01:54:39.0		Deletes the designated file.: d:/dat/254_doy017_pass01_file08.dat	FILE_DELETE	04-017/01:44:12.3
1570	M1O	04-017/01:54:40.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:13.4
1571	M1O	04-017/01:54:41.1		Deletes the designated file.: d:/dat/254_doy017_pass01_file09.dat	FILE_DELETE	04-017/01:44:14.4
1572	M1O	04-017/01:54:42.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:15.5
1573	M1O	04-017/01:54:43.2		Deletes the designated file.: d:/dat/254_doy017_pass01_file10.dat	FILE_DELETE	04-017/01:44:16.5
1574	M1O	04-017/01:54:44.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:17.6
1575	M1O	04-017/01:54:45.3		Deletes the designated file.: d:/dat/254_doy017_pass01_file11.dat	FILE_DELETE	04-017/01:44:18.6
1576	M1O	04-017/01:54:46.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:19.7
1577	M1O	04-017/01:54:47.4		Deletes the designated file.: d:/dat/254_doy017_pass01_file12.dat	FILE_DELETE	04-017/01:44:20.7
1578	M1O	04-017/01:54:48.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:21.8
1579	M1O	04-017/01:54:49.5		Deletes the designated file.: d:/dat/254_doy017_pass01_file13.dat	FILE_DELETE	04-017/01:44:22.8
1580	M1O	04-017/01:54:50.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:23.9
1581	M1O	04-017/01:54:51.6		Deletes the designated file.: d:/dat/254_doy017_pass01_file14.dat	FILE_DELETE	04-017/01:44:24.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1582	M1O	04-017/01:54:52.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:26.0
1583	M1O	04-017/01:54:53.7		Deletes the designated file.: d:/dat/254_doy017_pass01_file15.dat	FILE_DELETE	04-017/01:44:27.0
1584	M1O	04-017/01:54:54.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:28.1
1585	M1O	04-017/01:54:55.8		Deletes the designated file.: d:/dat/254_doy017_pass01_file16.dat	FILE_DELETE	04-017/01:44:29.1
1586	M1O	04-017/01:54:56.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:30.2
1587	M1O	04-017/01:54:57.9		Deletes the designated file.: d:/dat/254_doy017_pass01_file17.dat	FILE_DELETE	04-017/01:44:31.2
1588	M1O	04-017/01:54:59.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:32.3
1589	M1O	04-017/01:55:00.0		Deletes the designated file.: d:/dat/254_doy017_pass01_file18.dat	FILE_DELETE	04-017/01:44:33.3
1590	M1O	04-017/01:55:01.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/01:44:34.4
1591	M1O	04-017/01:55:02.1		Deletes the designated file.: d:/dat/254_doy017_pass01_file19.dat	FILE_DELETE	04-017/01:44:35.4
1592	M1O	04-017/01:55:03.1		CALL, Engine = , Parameters = 254	get_apid	04-017/01:44:36.4
1593	M1O	04-017/01:55:04.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-017/01:44:37.5
1594	M1O	04-017/01:55:04.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-017/01:44:37.7
1595	M1O	04-017/01:55:05.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-017/01:44:38.8
1596	M1O	04-017/01:55:06.8		CALL, Engine = , Parameters = 254	get_coding	04-017/01:44:40.1
1597	M1O	04-017/01:55:08.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-017/01:44:41.3
1598	M1O	04-017/01:55:09.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-017/01:44:42.5
1599	M1O	04-017/01:56:14.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-017/01:45:47.3
1600	M1O	04-017/01:56:15.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-017/01:45:48.3
1601	M1O	04-017/01:56:16.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-017/01:45:49.3
1602	M1O	04-017/01:56:17.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-017/01:45:50.3
1603	M1O	04-017/01:56:18.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-017/01:45:51.3
1604	M1O	04-017/01:56:19.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-017/01:45:52.3
1605	M1O	04-017/01:56:20.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-017/01:45:53.3
1606	M1O	04-017/01:58:10.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/01:47:43.3
1607	M1O	04-017/01:58:12.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
1608	M1O	04-017/01:58:20.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-017/01:47:53.3
1609	M1O	04-017/02:08:12.0	26	Range Modulation Off		
1610	M1O	04-017/02:08:18.7		NOTE: Enter Solar Eclipse 9275		04-017/01:57:51.9
1611	M1O	04-017/02:09:43.2		NOTE: Ascending Node Crossing 9275		04-017/01:59:16.4
1612	M1O	04-017/02:13:12.0	26	X-Band Transmitter Off		
1613	M1O	04-017/02:14:27.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-017/02:04:00.3
1614	M1O	04-017/02:14:28.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-017/02:04:01.4
1615	M1O	04-017/02:14:38.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-017/02:04:11.4
1616	M1O	04-017/02:14:39.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-017/02:04:12.4
1617	M1O	04-017/02:14:40.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-017/02:04:13.4
1618	M1O	04-017/02:14:40.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1619	M1O	04-017/02:14:41.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-017/02:04:14.4
1620	M1O	04-017/02:19:39.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/02:09:13.0
1621	M1O	04-017/02:19:39.8	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1622	M1O	04-017/02:26:49.2		NOTE: Exit Solar Eclipse 9275		04-017/02:16:22.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1623	M1O	04-017/02:33:03.1		SPAWN, Engine = 65535, Parameters = 3, 00:26:13, 1	dpt	04-017/02:22:36.2
1624	M1O	04-017/02:33:05.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/02:22:38.3
1625	M1O	04-017/02:33:05.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1626	M1O	04-017/02:33:06.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/02:22:39.3
1627	M1O	04-017/02:33:25.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1628	M1O	04-017/02:34:05.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1629	M1O	04-017/02:34:06.8		NOTE: ENTER HGA KEEP OUT ZONE		
1630	M1O	04-017/02:34:06.8	26	NOTE: Loss Of X-Band Signal		
1631	M1O	04-017/02:38:25.0	26	Range Modulation On: SUP=3.0dB		
1632	M1O	04-017/02:39:25.0	26	Begin Ranging Acquisition		
1633	M1O	04-017/02:39:27.5		NOTE: Enter Planetary Atmosphere 9275		04-017/02:29:00.6
1634	M1O	04-017/02:39:43.7		NOTE: North Pole Crossing 9275		04-017/02:29:16.8
1635	M1O	04-017/02:39:57.0		NOTE: Apoapsis 9275 -		04-017/02:29:30.1
1636	M1O	04-017/02:41:45.6		NOTE: Enter Earth Occultation 9275		04-017/02:31:18.7
1637	M1O	04-017/02:44:46.9		NOTE: EXIT HGA KEEP OUT ZONE		
1638	M1O	04-017/02:53:46.6		NOTE: Exit Earth Occultation 9275		04-017/02:43:19.7
1639	M1O	04-017/02:53:46.6	26	Acquisition Of X-Band Signal		
1640	M1O	04-017/02:53:46.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1641	M1O	04-017/02:54:18.7	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1642	M1O	04-017/02:56:06.1		NOTE: Exit Planetary Atmosphere 9275		04-017/02:45:39.2
1643	M1O	04-017/02:59:18.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/02:48:51.3
1644	M1O	04-017/02:59:18.3	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1645	M1O	04-017/02:59:19.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/02:48:52.3
1646	M1O	04-017/03:09:44.5		NOTE: Descending Node Crossing 9276		04-017/02:59:17.5
1647	M1O	04-017/03:39:02.4		NOTE: South Pole Crossing 9276		04-017/03:28:35.3
1648	M1O	04-017/03:39:06.5		NOTE: Periapsis 9276 ----------		04-017/03:28:39.4
1649	M1O	04-017/03:53:09.1		SPAWN, Engine = 65535, Parameters = 017, 02, FALSE, 00:15:00.234, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-017/03:42:42.0
1650	M1O	04-017/03:53:10.2		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	04-017/03:42:43.1
1651	M1O	04-017/03:53:12.2		CALL, Engine = , Parameters = 254	get_cmd_opt	04-017/03:42:45.1
1652	M1O	04-017/03:53:54.4		CALL, Engine = , Parameters = 254	get_apid	04-017/03:43:27.3
1653	M1O	04-017/03:53:55.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-017/03:43:28.4
1654	M1O	04-017/03:53:55.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-017/03:43:28.6
1655	M1O	04-017/03:53:56.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-017/03:43:29.7
1656	M1O	04-017/03:53:58.1		CALL, Engine = , Parameters = 254	get_coding	04-017/03:43:31.0
1657	M1O	04-017/03:53:59.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-017/03:43:32.2
1658	M1O	04-017/03:54:00.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-017/03:43:33.4
1659	M1O	04-017/03:55:05.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-017/03:44:38.2
1660	M1O	04-017/03:55:06.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-017/03:44:39.2
1661	M1O	04-017/03:55:07.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-017/03:44:40.2
1662	M1O	04-017/03:55:08.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-017/03:44:41.2
1663	M1O	04-017/03:55:09.3		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-017/03:44:42.2
1664	M1O	04-017/03:55:10.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-017/03:44:43.2
1665	M1O	04-017/03:55:11.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-017/03:44:44.2
1666	M1O	04-017/03:56:49.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
1667	M1O	04-017/04:06:49.0	26	Range Modulation Off		
1668	M1O	04-017/04:06:55.0		NOTE: Enter Solar Eclipse 9276		04-017/03:56:27.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1669	M1O	04-017/04:08:20.0		NOTE: Ascending Node Crossing 9276		04-017/03:57:52.9
1670	M1O	04-017/04:10:07.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-017/03:59:40.4
1671	M1O	04-017/04:10:08.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-017/03:59:41.5
1672	M1O	04-017/04:10:18.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-017/03:59:51.5
1673	M1O	04-017/04:10:19.7		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	04-017/03:59:52.5
1674	M1O	04-017/04:11:49.0	26	X-Band Transmitter Off		
1675	M1O	04-017/04:25:25.0		NOTE: Exit Solar Eclipse 9276		04-017/04:14:57.8
1676	M1O	04-017/04:31:40.5		SPAWN, Engine = 65535, Parameters = 3, 00:26:13, 1	dpt	04-017/04:21:13.2
1677	M1O	04-017/04:31:42.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/04:21:15.3
1678	M1O	04-017/04:31:42.6	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1679	M1O	04-017/04:31:43.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/04:21:16.3
1680	M1O	04-017/04:32:02.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1681	M1O	04-017/04:32:43.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1682	M1O	04-017/04:32:44.2		NOTE: ENTER HGA KEEP OUT ZONE		
1683	M1O	04-017/04:32:44.2	26	NOTE: Loss Of X-Band Signal		
1684	M1O	04-017/04:37:02.0	26	Range Modulation On: SUP=3.0dB		
1685	M1O	04-017/04:38:02.0	26	Begin Ranging Acquisition		
1686	M1O	04-017/04:38:03.7		NOTE: Enter Planetary Atmosphere 9276		04-017/04:27:36.4
1687	M1O	04-017/04:38:19.3		NOTE: Apoapsis 9276 -		04-017/04:27:52.0
1688	M1O	04-017/04:38:20.4		NOTE: North Pole Crossing 9276		04-017/04:27:53.1
1689	M1O	04-017/04:40:21.5		NOTE: Enter Earth Occultation 9276		04-017/04:29:54.3
1690	M1O	04-017/04:43:24.2		NOTE: EXIT HGA KEEP OUT ZONE		
1691	M1O	04-017/04:52:24.2		NOTE: Exit Earth Occultation 9276		04-017/04:41:56.9
1692	M1O	04-017/04:52:24.2	26	Acquisition Of X-Band Signal		
1693	M1O	04-017/04:52:24.2	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1694	M1O	04-017/04:52:56.4	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1695	M1O	04-017/04:54:43.4		NOTE: Exit Planetary Atmosphere 9276		04-017/04:44:16.1
1696	M1O	04-017/04:54:55.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
1697	M1O	04-017/04:57:55.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/04:47:28.3
1698	M1O	04-017/04:57:55.7	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1699	M1O	04-017/04:57:56.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/04:47:29.3
1700	M1O	04-017/05:04:55.0	26	Range Modulation Off		
1701	M1O	04-017/05:08:20.9		NOTE: Descending Node Crossing 9277		04-017/04:57:53.5
1702	M1O	04-017/05:09:55.0	26	X-Band Transmitter Off		
1703	M1O	04-017/05:21:21.3		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-017/05:10:54.0
1704	M1O	04-017/05:21:21.4		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-017/05:10:54.1
1705	M1O	04-017/05:21:22.4		Forces a desaturation of the reaction wheels.	RW_DESAT	04-017/05:10:55.1
1706	M1O	04-017/05:22:38.3		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-017/05:12:11.0
1707	M1O	04-017/05:22:54.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-015T05:12:11.100, 2004-017T05:12:11.100	PCKTS_RE_TX_TIME	04-017/05:12:26.8
1708	M1O	04-017/05:22:55.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-015T05:12:11.100, 2004-017T05:12:11.100	PCKTS_RE_TX_TIME	04-017/05:12:27.8
1709	M1O	04-017/05:22:56.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-015T05:12:11.100, 2004-017T05:12:11.100	PCKTS_RE_TX_TIME	04-017/05:12:28.8
1710	M1O	04-017/05:22:57.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-015T05:12:11.100, 2004-017T05:12:11.100	PCKTS_RE_TX_TIME	04-017/05:12:29.8
1711	M1O	04-017/05:22:58.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-015T05:12:11.100, 2004-017T05:12:11.100	PCKTS_RE_TX_TIME	04-017/05:12:30.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1712	M1O	04-017/05:22:59.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-015T05:12:11.100, 2004-017T05:12:11.100	PCKTS_RE_TX_TIME	04-017/05:12:31.8
1713	M1O	04-017/05:22:59.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-017/05:12:31.8
1714	M1O	04-017/05:22:59.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1715	M1O	04-017/05:30:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/05:19:32.8
1716	M1O	04-017/05:30:00.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1717	M1O	04-017/05:30:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/05:19:33.8
1718	M1O	04-017/05:30:17.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-017/05:19:49.8
1719	M1O	04-017/05:30:17.2	26	D/L RF Warning: SC antenna change - expect signal level variation		
1720	M1O	04-017/05:30:18.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-017/05:19:50.8
1721	M1O	04-017/05:30:49.7	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1722	M1O	04-017/05:32:52.5		CALL, Engine = , Parameters = FALSE	park_hga	04-017/05:22:25.1
1723	M1O	04-017/05:32:52.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/05:22:25.1
1724	M1O	04-017/05:32:53.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-017/05:22:26.1
1725	M1O	04-017/05:32:54.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-017/05:22:27.1
1726	M1O	04-017/05:32:54.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-017/05:22:27.1
1727	M1O	04-017/05:32:54.5		NOTE: START HGA PARK		
1728	M1O	04-017/05:32:54.5	26	NOTE: Loss Of X-Band Signal		
1729	M1O	04-017/05:32:55.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-017/05:22:28.1
1730	M1O	04-017/05:32:56.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-017/05:22:29.1
1731	M1O	04-017/05:37:26.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-017/05:26:59.1
1732	M1O	04-017/05:37:37.8		NOTE: Periapsis 9277 ----------		04-017/05:27:10.3
1733	M1O	04-017/05:37:38.9		NOTE: South Pole Crossing 9277		04-017/05:27:11.4
1734	M1O	04-017/05:40:56.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-017/05:30:29.1
1735	M1O	04-017/05:40:56.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-017/05:30:29.1
1736	M1O	04-017/06:05:31.8		NOTE: Enter Solar Eclipse 9277		04-017/05:55:04.3
1737	M1O	04-017/06:06:56.6		NOTE: Ascending Node Crossing 9277		04-017/05:56:29.1
1738	M1O	04-017/06:10:00.0	43	Begin Pre-Cal		
1739	M1O	04-017/06:10:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1740	M1O	04-017/06:10:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1741	M1O	04-017/06:10:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1742	M1O	04-017/06:10:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1743	M1O	04-017/06:10:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
1744	M1O	04-017/06:10:00.0	43	Config: RCV: Parms:		
1745	M1O	04-017/06:10:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1746	M1O	04-017/06:10:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
1747	M1O	04-017/06:10:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
1748	M1O	04-017/06:10:56.5		GV: GV_DESAT_ACTIVE = 1		04-017/06:00:29.0
1749	M1O	04-017/06:10:57.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-017/06:00:30.0
1750	M1O	04-017/06:10:57.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-017/06:00:30.0
1751	M1O	04-017/06:20:56.5		GV: GV_DESAT_ACTIVE = 0		04-017/06:10:29.0
1752	M1O	04-017/06:20:57.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-017/06:10:30.0
1753	M1O	04-017/06:20:58.5		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-017/06:10:31.0
1754	M1O	04-017/06:20:59.5		CALL, Engine = , Parameters =	unpark_hga	04-017/06:10:32.0
1755	M1O	04-017/06:20:59.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS,	FSW_OBJ_INITIAL	04-017/06:10:32.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/sam_ga_hga_cps.cfg,		
1756	M1O	04-017/06:21:00.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-017/06:10:33.0
1757	M1O	04-017/06:24:03.9		NOTE: Exit Solar Eclipse 9277		04-017/06:13:36.4
1758	M1O	04-017/06:25:30.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-017/06:15:03.0
1759	M1O	04-017/06:25:31.5		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-017/06:15:04.0
1760	M1O	04-017/06:28:56.6		SPAWN, Engine = 65535, Parameters = 00:26:44.152	cstr	04-017/06:18:29.0
1761	M1O	04-017/06:28:56.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/06:18:29.1
1762	M1O	04-017/06:28:57.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/06:18:30.1
1763	M1O	04-017/06:28:58.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-017/06:18:31.1
1764	M1O	04-017/06:28:59.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-017/06:18:32.1
1765	M1O	04-017/06:29:00.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-017/06:18:33.1
1766	M1O	04-017/06:29:10.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-017/06:18:43.1
1767	M1O	04-017/06:29:20.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-017/06:18:53.1
1768	M1O	04-017/06:29:31.5		NOTE: EXIT HGA PARK		
1769	M1O	04-017/06:29:31.5	26	Acquisition Of X-Band Signal		
1770	M1O	04-017/06:29:31.5	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1771	M1O	04-017/06:31:20.6		NOTE: ENTER HGA KEEP OUT ZONE		
1772	M1O	04-017/06:31:20.6	26	NOTE: Loss Of X-Band Signal		
1773	M1O	04-017/06:36:32.7		NOTE: Enter Planetary Atmosphere 9277		04-017/06:26:05.0
1774	M1O	04-017/06:36:40.0		NOTE: Apoapsis 9277 -		04-017/06:26:12.3
1775	M1O	04-017/06:36:55.9		NOTE: North Pole Crossing 9277		04-017/06:26:28.3
1776	M1O	04-017/06:38:48.5		NOTE: Enter Earth Occultation 9277		04-017/06:28:20.9
1777	M1O	04-017/06:39:54.0		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-017/06:29:26.4
1778	M1O	04-017/06:40:00.0	43	Begin Tracking		
1779	M1O	04-017/06:40:00.0		NOTE: Changing to 70M downlink rate: 110600_BPS		04-017/06:29:32.4
1780	M1O	04-017/06:40:00.0		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	04-017/06:29:32.4
1781	M1O	04-017/06:42:00.6		NOTE: EXIT HGA KEEP OUT ZONE		
1782	M1O	04-017/06:44:40.0	26	NOTE: Below Uplink Interlock Limit		
1783	M1O	04-017/06:51:05.8		NOTE: Exit Earth Occultation 9277		04-017/06:40:38.1
1784	M1O	04-017/06:51:05.8	43	Acquisition Of X-Band Signal		
1785	M1O	04-017/06:51:05.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1786	M1O	04-017/06:51:05.8	26	Acquisition Of X-Band Signal		
1787	M1O	04-017/06:51:05.8	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1788	M1O	04-017/06:53:22.9		NOTE: Exit Planetary Atmosphere 9277		04-017/06:42:55.2
1789	M1O	04-017/06:56:04.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/06:45:37.2
1790	M1O	04-017/06:56:05.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/06:45:38.2
1791	M1O	04-017/06:56:05.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1792	M1O	04-017/06:56:05.9	26	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1793	M1O	04-017/06:56:06.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-017/06:45:39.2
1794	M1O	04-017/07:00:00.0	26	End Tracking		
1795	M1O	04-017/07:06:55.0		NOTE: Descending Node Crossing 9278		04-017/06:56:27.3
1796	M1O	04-017/07:10:27.7		SPAWN, Engine = 65535, Parameters =	scdiag	04-017/07:00:00.0
1797	M1O	04-017/07:10:28.8		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-017/07:00:01.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1798	M1O	04-017/07:10:29.8		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-017/07:00:02.1
1799	M1O	04-017/07:11:30.7		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-017/07:01:03.0
1800	M1O	04-017/07:11:30.9		NOTE: Start Block fsw_diag		04-017/07:01:03.2
1801	M1O	04-017/07:11:31.9		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-017/07:01:04.2
1802	M1O	04-017/07:11:32.9		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	04-017/07:01:05.2
1803	M1O	04-017/07:11:43.9		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	04-017/07:01:16.2
1804	M1O	04-017/07:12:13.9		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-017/07:01:46.2
1805	M1O	04-017/07:12:33.9		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-017/07:02:06.2
1806	M1O	04-017/07:12:43.9		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-017/07:02:16.2
1807	M1O	04-017/07:13:03.9		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-017/07:02:36.2
1808	M1O	04-017/07:13:13.9		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-017/07:02:46.2
1809	M1O	04-017/07:13:18.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-017/07:02:51.2
1810	M1O	04-017/07:13:23.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-017/07:02:56.2
1811	M1O	04-017/07:13:28.9		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-017/07:03:01.2
1812	M1O	04-017/07:13:33.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-017/07:03:06.2
1813	M1O	04-017/07:13:38.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-017/07:03:11.2
1814	M1O	04-017/07:14:18.9		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-017/07:03:51.2
1815	M1O	04-017/07:14:23.9		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-017/07:03:56.2
1816	M1O	04-017/07:14:28.9		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-017/07:04:01.2
1817	M1O	04-017/07:14:33.9		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-017/07:04:06.2
1818	M1O	04-017/07:14:38.9		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-017/07:04:11.2
1819	M1O	04-017/07:14:39.9		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-017/07:04:12.2
1820	M1O	04-017/07:14:40.9		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-017/07:04:13.2
1821	M1O	04-017/07:14:41.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-017/07:04:14.2
1822	M1O	04-017/07:14:52.9		NOTE: End Block fsw_diag.mod		04-017/07:04:25.2
1823	M1O	04-017/07:15:00.0	26	End Post-Cal		
1824	M1O	04-017/07:36:11.9		NOTE: Periapsis 9278 ----------		04-017/07:25:44.1
1825	M1O	04-017/07:36:12.9		NOTE: South Pole Crossing 9278		04-017/07:25:45.1
1826	M1O	04-017/07:58:03.8		SPAWN, Engine = 65535, Parameters = 017, 01, FALSE, 00:19:19.976, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-017/07:47:36.0
1827	M1O	04-017/07:58:04.9		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	04-017/07:47:37.1
1828	M1O	04-017/07:58:06.9		CALL, Engine = , Parameters = 56	get_cmd_opt	04-017/07:47:39.1
1829	M1O	04-017/07:58:49.1		CALL, Engine = , Parameters = 56	get_apid	04-017/07:48:21.3
1830	M1O	04-017/07:58:50.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-017/07:48:22.4
1831	M1O	04-017/07:58:50.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-017/07:48:22.6
1832	M1O	04-017/07:58:51.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-017/07:48:23.7
1833	M1O	04-017/07:58:52.7		CALL, Engine = , Parameters = 56	get_coding	04-017/07:48:24.9
1834	M1O	04-017/07:58:53.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-017/07:48:26.1
1835	M1O	04-017/07:58:55.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-017/07:48:27.3
1836	M1O	04-017/07:59:59.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-017/07:49:32.1
1837	M1O	04-017/08:00:00.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-017/07:49:33.1
1838	M1O	04-017/08:00:01.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-017/07:49:34.1
1839	M1O	04-017/08:00:02.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-017/07:49:35.1
1840	M1O	04-017/08:00:03.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-017/07:49:36.1
1841	M1O	04-017/08:00:04.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-017/07:49:37.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1842	M1O	04-017/08:00:05.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-017/07:49:38.1
1843	M1O	04-017/08:04:05.4		NOTE: Enter Solar Eclipse 9278		04-017/07:53:37.5
1844	M1O	04-017/08:05:30.6		NOTE: Ascending Node Crossing 9278		04-017/07:55:02.7
1845	M1O	04-017/08:19:22.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-017/08:08:54.0
1846	M1O	04-017/08:19:23.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-017/08:08:55.1
1847	M1O	04-017/08:19:33.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-017/08:09:05.1
1848	M1O	04-017/08:19:34.1		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	04-017/08:09:06.1
1849	M1O	04-017/08:22:41.1		NOTE: Exit Solar Eclipse 9278		04-017/08:12:13.1
1850	M1O	04-017/08:28:52.9		SPAWN, Engine = 65535, Parameters = 3, 00:25:47.825, 1	dpt	04-017/08:18:25.0
1851	M1O	04-017/08:28:55.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/08:18:27.1
1852	M1O	04-017/08:28:55.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1853	M1O	04-017/08:28:56.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/08:18:28.1
1854	M1O	04-017/08:29:54.9		NOTE: ENTER HGA KEEP OUT ZONE		
1855	M1O	04-017/08:29:54.9	43	NOTE: Loss Of X-Band Signal		
1856	M1O	04-017/08:34:59.6		NOTE: Enter Planetary Atmosphere 9278		04-017/08:24:31.6
1857	M1O	04-017/08:35:21.1		NOTE: Apoapsis 9278 -		04-017/08:24:53.1
1858	M1O	04-017/08:35:28.9		NOTE: North Pole Crossing 9278		04-017/08:25:00.9
1859	M1O	04-017/08:37:13.9		NOTE: Enter Earth Occultation 9278		04-017/08:26:45.9
1860	M1O	04-017/08:40:35.0		NOTE: EXIT HGA KEEP OUT ZONE		
1861	M1O	04-017/08:49:42.8		NOTE: Exit Earth Occultation 9278		04-017/08:39:14.8
1862	M1O	04-017/08:49:42.8	43	Acquisition Of X-Band Signal		
1863	M1O	04-017/08:49:42.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1864	M1O	04-017/08:51:58.4		NOTE: Exit Planetary Atmosphere 9278		04-017/08:41:30.3
1865	M1O	04-017/08:54:42.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/08:44:14.9
1866	M1O	04-017/08:54:42.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1867	M1O	04-017/08:54:43.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/08:44:15.9
1868	M1O	04-017/09:05:27.1		NOTE: Descending Node Crossing 9279		04-017/08:54:59.0
1869	M1O	04-017/09:34:42.1		NOTE: Periapsis 9279 ----------		04-017/09:24:13.9
1870	M1O	04-017/09:34:44.1		NOTE: South Pole Crossing 9279		04-017/09:24:16.0
1871	M1O	04-017/09:59:47.2		SPAWN, Engine = 65535, Parameters = 017, 02, FALSE, 00:10:59.525, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-017/09:49:19.0
1872	M1O	04-017/09:59:48.3		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	04-017/09:49:20.1
1873	M1O	04-017/09:59:50.3		CALL, Engine = , Parameters = 56	get_cmd_opt	04-017/09:49:22.1
1874	M1O	04-017/10:00:32.5		CALL, Engine = , Parameters = 56	get_apid	04-017/09:50:04.3
1875	M1O	04-017/10:00:33.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-017/09:50:05.4
1876	M1O	04-017/10:00:33.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-017/09:50:05.6
1877	M1O	04-017/10:00:34.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-017/09:50:06.7
1878	M1O	04-017/10:00:36.1		CALL, Engine = , Parameters = 56	get_coding	04-017/09:50:07.9
1879	M1O	04-017/10:00:37.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-017/09:50:09.1
1880	M1O	04-017/10:00:38.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-017/09:50:10.3
1881	M1O	04-017/10:01:43.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-017/09:51:15.1
1882	M1O	04-017/10:01:44.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-017/09:51:16.1
1883	M1O	04-017/10:01:45.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-017/09:51:17.1
1884	M1O	04-017/10:01:46.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-017/09:51:18.1
1885	M1O	04-017/10:01:47.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-017/09:51:19.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1886	M1O	04-017/10:01:48.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-017/09:51:20.1
1887	M1O	04-017/10:01:49.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-017/09:51:21.1
1888	M1O	04-017/10:02:35.6		NOTE: Enter Solar Eclipse 9279		04-017/09:52:07.3
1889	M1O	04-017/10:04:01.3		NOTE: Ascending Node Crossing 9279		04-017/09:53:33.0
1890	M1O	04-017/10:10:00.0	63	Begin Pre-Cal		
1891	M1O	04-017/10:10:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1892	M1O	04-017/10:10:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1893	M1O	04-017/10:10:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1894	M1O	04-017/10:10:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1895	M1O	04-017/10:10:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
1896	M1O	04-017/10:10:00.0	63	Config: RCV: Parms:		
1897	M1O	04-017/10:10:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1898	M1O	04-017/10:10:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
1899	M1O	04-017/10:10:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
1900	M1O	04-017/10:12:44.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-017/10:02:16.6
1901	M1O	04-017/10:12:46.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-017/10:02:17.7
1902	M1O	04-017/10:12:56.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-017/10:02:27.7
1903	M1O	04-017/10:12:57.0		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	04-017/10:02:28.7
1904	M1O	04-017/10:21:10.9		NOTE: Exit Solar Eclipse 9279		04-017/10:10:42.5
1905	M1O	04-017/10:27:25.3		SPAWN, Engine = 65535, Parameters = 3, 00:25:44.685, 1	dpt	04-017/10:16:57.0
1906	M1O	04-017/10:27:27.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/10:16:59.1
1907	M1O	04-017/10:27:27.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1908	M1O	04-017/10:27:28.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/10:17:00.1
1909	M1O	04-017/10:28:27.3		NOTE: ENTER HGA KEEP OUT ZONE		
1910	M1O	04-017/10:28:27.3	43	NOTE: Loss Of X-Band Signal		
1911	M1O	04-017/10:33:31.8		NOTE: Enter Planetary Atmosphere 9279		04-017/10:23:03.4
1912	M1O	04-017/10:33:50.8		NOTE: Apoapsis 9279 -		04-017/10:23:22.4
1913	M1O	04-017/10:34:00.0		NOTE: North Pole Crossing 9279		04-017/10:23:31.6
1914	M1O	04-017/10:35:46.6		NOTE: Enter Earth Occultation 9279		04-017/10:25:18.2
1915	M1O	04-017/10:39:07.3		NOTE: EXIT HGA KEEP OUT ZONE		
1916	M1O	04-017/10:48:12.1		NOTE: Exit Earth Occultation 9279		04-017/10:37:43.6
1917	M1O	04-017/10:48:12.1	43	Acquisition Of X-Band Signal		
1918	M1O	04-017/10:48:12.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1919	M1O	04-017/10:50:28.2		NOTE: Exit Planetary Atmosphere 9279		04-017/10:39:59.8
1920	M1O	04-017/10:53:12.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/10:42:43.7
1921	M1O	04-017/10:53:12.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1922	M1O	04-017/10:53:13.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/10:42:44.7
1923	M1O	04-017/11:03:58.5		NOTE: Descending Node Crossing 9280		04-017/10:53:30.1
1924	M1O	04-017/11:32:54.7		NOTE: Periapsis 9280 ----------		04-017/11:22:26.1
1925	M1O	04-017/11:33:15.3		NOTE: South Pole Crossing 9280		04-017/11:22:46.7
1926	M1O	04-017/11:55:00.0	63	Begin Tracking		
1927	M1O	04-017/11:55:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1928	M1O	04-017/12:01:09.4		NOTE: Enter Solar Eclipse 9280		04-017/11:50:40.7
1929	M1O	04-017/12:02:33.0		NOTE: Ascending Node Crossing 9280		04-017/11:52:04.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1930	M1O	04-017/12:09:00.0	63	NOTE: Above Uplink Interlock Limit		
1931	M1O	04-017/12:10:00.0	43	End Tracking		
1932	M1O	04-017/12:19:36.9		NOTE: Exit Solar Eclipse 9280		04-017/12:09:08.2
1933	M1O	04-017/12:25:00.0	43	End Post-Cal		
1934	M1O	04-017/12:25:56.7		SPAWN, Engine = 65535, Parameters = 3, 00:25:37.889, 1	dpt	04-017/12:15:28.0
1935	M1O	04-017/12:25:58.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/12:15:30.1
1936	M1O	04-017/12:25:58.8	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1937	M1O	04-017/12:25:59.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/12:15:31.1
1938	M1O	04-017/12:26:58.7		NOTE: ENTER HGA KEEP OUT ZONE		
1939	M1O	04-017/12:26:58.7	63	NOTE: Loss Of X-Band Signal		
1940	M1O	04-017/12:32:06.8		NOTE: Apoapsis 9280 -		04-017/12:21:38.0
1941	M1O	04-017/12:32:12.7		NOTE: Enter Planetary Atmosphere 9280		04-017/12:21:43.9
1942	M1O	04-017/12:32:32.8		NOTE: North Pole Crossing 9280		04-017/12:22:04.1
1943	M1O	04-017/12:34:30.0		NOTE: Enter Earth Occultation 9280		04-017/12:24:01.3
1944	M1O	04-017/12:37:38.7		NOTE: EXIT HGA KEEP OUT ZONE		
1945	M1O	04-017/12:46:36.6		NOTE: Exit Earth Occultation 9280		04-017/12:36:07.8
1946	M1O	04-017/12:46:36.6	63	Acquisition Of X-Band Signal		
1947	M1O	04-017/12:46:36.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1948	M1O	04-017/12:48:55.5		NOTE: Exit Planetary Atmosphere 9280		04-017/12:38:26.6
1949	M1O	04-017/12:51:36.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/12:41:07.9
1950	M1O	04-017/12:51:36.8	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1951	M1O	04-017/12:51:37.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/12:41:08.9
1952	M1O	04-017/13:02:32.1		NOTE: Descending Node Crossing 9281		04-017/12:52:03.2
1953	M1O	04-017/13:04:53.8		SPAWN, Engine = 65535, Parameters = 017, 03, FALSE, 00:04:08.268, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-017/12:54:25.0
1954	M1O	04-017/13:04:54.9		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	04-017/12:54:26.1
1955	M1O	04-017/13:04:56.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-017/12:54:28.1
1956	M1O	04-017/13:05:39.1		CALL, Engine = , Parameters = 254	get_apid	04-017/12:55:10.3
1957	M1O	04-017/13:05:40.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-017/12:55:11.4
1958	M1O	04-017/13:05:40.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-017/12:55:11.6
1959	M1O	04-017/13:05:41.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-017/12:55:12.7
1960	M1O	04-017/13:05:42.8		CALL, Engine = , Parameters = 254	get_coding	04-017/12:55:14.0
1961	M1O	04-017/13:05:44.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-017/12:55:15.2
1962	M1O	04-017/13:05:45.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-017/12:55:16.4
1963	M1O	04-017/13:06:50.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-017/12:56:21.2
1964	M1O	04-017/13:06:51.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-017/12:56:22.2
1965	M1O	04-017/13:06:52.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-017/12:56:23.2
1966	M1O	04-017/13:06:53.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-017/12:56:24.2
1967	M1O	04-017/13:06:54.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-017/12:56:25.2
1968	M1O	04-017/13:06:55.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-017/12:56:26.2
1969	M1O	04-017/13:06:56.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-017/12:56:27.2
1970	M1O	04-017/13:11:00.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-017/13:00:31.4
1971	M1O	04-017/13:11:01.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-017/13:00:32.5
1972	M1O	04-017/13:11:11.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-017/13:00:42.5
1973	M1O	04-017/13:11:12.4		Passes the specified amount of data, data size parameter, through the PACI interface.:	GRS_PASS_THROUGH	04-017/13:00:43.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000		
1974	M1O	04-017/13:31:28.9		NOTE: Periapsis 9281 ----------		04-017/13:21:00.0
1975	M1O	04-017/13:31:50.1		NOTE: South Pole Crossing 9281		04-017/13:21:21.1
1976	M1O	04-017/13:59:46.8		NOTE: Enter Solar Eclipse 9281		04-017/13:49:17.8
1977	M1O	04-017/14:01:08.9		NOTE: Ascending Node Crossing 9281		04-017/13:50:39.9
1978	M1O	04-017/14:18:09.2		NOTE: Exit Solar Eclipse 9281		04-017/14:07:40.1
1979	M1O	04-017/14:24:30.1		SPAWN, Engine = 65535, Parameters = 3, 00:25:34.242, 1	dpt	04-017/14:14:01.0
1980	M1O	04-017/14:24:32.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/14:14:03.1
1981	M1O	04-017/14:24:32.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1982	M1O	04-017/14:24:33.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/14:14:04.1
1983	M1O	04-017/14:25:32.1		NOTE: ENTER HGA KEEP OUT ZONE		
1984	M1O	04-017/14:25:32.1	63	NOTE: Loss Of X-Band Signal		
1985	M1O	04-017/14:30:50.4		NOTE: Apoapsis 9281 -		04-017/14:20:21.3
1986	M1O	04-017/14:30:52.8		NOTE: Enter Planetary Atmosphere 9281		04-017/14:20:23.7
1987	M1O	04-017/14:31:08.6		NOTE: North Pole Crossing 9281		04-017/14:20:39.4
1988	M1O	04-017/14:33:11.9		NOTE: Enter Earth Occultation 9281		04-017/14:22:42.8
1989	M1O	04-017/14:36:12.1		NOTE: EXIT HGA KEEP OUT ZONE		
1990	M1O	04-017/14:45:06.4		NOTE: Exit Earth Occultation 9281		04-017/14:34:37.2
1991	M1O	04-017/14:45:06.4	63	Acquisition Of X-Band Signal		
1992	M1O	04-017/14:45:06.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1993	M1O	04-017/14:47:26.8		NOTE: Exit Planetary Atmosphere 9281		04-017/14:36:57.7
1994	M1O	04-017/14:50:06.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/14:39:37.3
1995	M1O	04-017/14:50:06.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1996	M1O	04-017/14:50:07.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/14:39:38.3
1997	M1O	04-017/14:54:06.2		SPAWN, Engine = 65535, Parameters = 017, 04, TRUE, 00:19:17, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-017/14:43:37.0
1998	M1O	04-017/14:54:06.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/14:43:37.5
1999	M1O	04-017/14:54:06.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2000	M1O	04-017/14:54:07.3		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	04-017/14:43:38.1
2001	M1O	04-017/14:54:09.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-017/14:43:40.1
2002	M1O	04-017/14:54:09.6		CALL, Engine = , Parameters = 017, 04, 254	bld_autosw	04-017/14:43:40.4
2003	M1O	04-017/14:54:10.7		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	04-017/14:43:41.5
2004	M1O	04-017/14:54:11.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:43:42.6
2005	M1O	04-017/14:54:12.8		Deletes the designated file.: d:/dat/254_doy017_pass04_file01.dat	FILE_DELETE	04-017/14:43:43.6
2006	M1O	04-017/14:54:13.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:43:44.7
2007	M1O	04-017/14:54:14.9		Deletes the designated file.: d:/dat/254_doy017_pass04_file02.dat	FILE_DELETE	04-017/14:43:45.7
2008	M1O	04-017/14:54:16.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:43:46.8
2009	M1O	04-017/14:54:17.0		Deletes the designated file.: d:/dat/254_doy017_pass04_file03.dat	FILE_DELETE	04-017/14:43:47.8
2010	M1O	04-017/14:54:18.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:43:48.9
2011	M1O	04-017/14:54:19.1		Deletes the designated file.: d:/dat/254_doy017_pass04_file04.dat	FILE_DELETE	04-017/14:43:49.9
2012	M1O	04-017/14:54:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:43:51.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2013	M1O	04-017/14:54:21.2		Deletes the designated file.: d:/dat/254_doy017_pass04_file05.dat	FILE_DELETE	04-017/14:43:52.0
2014	M1O	04-017/14:54:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:43:53.1
2015	M1O	04-017/14:54:23.3		Deletes the designated file.: d:/dat/254_doy017_pass04_file06.dat	FILE_DELETE	04-017/14:43:54.1
2016	M1O	04-017/14:54:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:43:55.2
2017	M1O	04-017/14:54:25.4		Deletes the designated file.: d:/dat/254_doy017_pass04_file07.dat	FILE_DELETE	04-017/14:43:56.2
2018	M1O	04-017/14:54:26.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:43:57.3
2019	M1O	04-017/14:54:27.5		Deletes the designated file.: d:/dat/254_doy017_pass04_file08.dat	FILE_DELETE	04-017/14:43:58.3
2020	M1O	04-017/14:54:28.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:43:59.4
2021	M1O	04-017/14:54:29.6		Deletes the designated file.: d:/dat/254_doy017_pass04_file09.dat	FILE_DELETE	04-017/14:44:00.4
2022	M1O	04-017/14:54:30.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:44:01.5
2023	M1O	04-017/14:54:31.7		Deletes the designated file.: d:/dat/254_doy017_pass04_file10.dat	FILE_DELETE	04-017/14:44:02.5
2024	M1O	04-017/14:54:32.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:44:03.6
2025	M1O	04-017/14:54:33.8		Deletes the designated file.: d:/dat/254_doy017_pass04_file11.dat	FILE_DELETE	04-017/14:44:04.6
2026	M1O	04-017/14:54:34.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:44:05.7
2027	M1O	04-017/14:54:35.9		Deletes the designated file.: d:/dat/254_doy017_pass04_file12.dat	FILE_DELETE	04-017/14:44:06.7
2028	M1O	04-017/14:54:37.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:44:07.8
2029	M1O	04-017/14:54:38.0		Deletes the designated file.: d:/dat/254_doy017_pass04_file13.dat	FILE_DELETE	04-017/14:44:08.8
2030	M1O	04-017/14:54:39.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:44:09.9
2031	M1O	04-017/14:54:40.1		Deletes the designated file.: d:/dat/254_doy017_pass04_file14.dat	FILE_DELETE	04-017/14:44:10.9
2032	M1O	04-017/14:54:41.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:44:12.0
2033	M1O	04-017/14:54:42.2		Deletes the designated file.: d:/dat/254_doy017_pass04_file15.dat	FILE_DELETE	04-017/14:44:13.0
2034	M1O	04-017/14:54:43.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:44:14.1
2035	M1O	04-017/14:54:44.3		Deletes the designated file.: d:/dat/254_doy017_pass04_file16.dat	FILE_DELETE	04-017/14:44:15.1
2036	M1O	04-017/14:54:45.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:44:16.2
2037	M1O	04-017/14:54:46.4		Deletes the designated file.: d:/dat/254_doy017_pass04_file17.dat	FILE_DELETE	04-017/14:44:17.2
2038	M1O	04-017/14:54:47.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:44:18.3
2039	M1O	04-017/14:54:48.5		Deletes the designated file.: d:/dat/254_doy017_pass04_file18.dat	FILE_DELETE	04-017/14:44:19.3
2040	M1O	04-017/14:54:49.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy017_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-017/14:44:20.4
2041	M1O	04-017/14:54:50.6		Deletes the designated file.: d:/dat/254_doy017_pass04_file19.dat	FILE_DELETE	04-017/14:44:21.4
2042	M1O	04-017/14:54:51.6		CALL, Engine = , Parameters = 254	get_apid	04-017/14:44:22.4
2043	M1O	04-017/14:54:52.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-017/14:44:23.5
2044	M1O	04-017/14:54:52.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-017/14:44:23.7
2045	M1O	04-017/14:54:54.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-017/14:44:24.8
2046	M1O	04-017/14:54:55.3		CALL, Engine = , Parameters = 254	get_coding	04-017/14:44:26.1
2047	M1O	04-017/14:54:56.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-017/14:44:27.3
2048	M1O	04-017/14:54:57.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-017/14:44:28.5
2049	M1O	04-017/14:55:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2050	M1O	04-017/14:56:02.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-017/14:45:33.3
2051	M1O	04-017/14:56:03.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-017/14:45:34.3
2052	M1O	04-017/14:56:04.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-017/14:45:35.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2053	M1O	04-017/14:56:05.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-017/14:45:36.3
2054	M1O	04-017/14:56:06.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-017/14:45:37.3
2055	M1O	04-017/14:56:07.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-017/14:45:38.3
2056	M1O	04-017/14:56:08.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-017/14:45:39.3
2057	M1O	04-017/14:57:58.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/14:47:29.3
2058	M1O	04-017/14:58:08.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-017/14:47:39.3
2059	M1O	04-017/15:00:00.0	63	Range Modulation On: SUP=3.0dB		
2060	M1O	04-017/15:01:00.0	63	Begin Ranging Acquisition		
2061	M1O	04-017/15:01:07.9		NOTE: Descending Node Crossing 9282		04-017/14:50:38.7
2062	M1O	04-017/15:14:55.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-017/15:04:26.5
2063	M1O	04-017/15:14:57.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/15:04:28.6
2064	M1O	04-017/15:14:58.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/15:04:29.6
2065	M1O	04-017/15:15:23.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-017/15:04:54.3
2066	M1O	04-017/15:15:24.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-017/15:04:55.4
2067	M1O	04-017/15:15:34.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-017/15:05:05.4
2068	M1O	04-017/15:15:35.6		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	04-017/15:05:06.4
2069	M1O	04-017/15:15:36.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-017/15:05:07.4
2070	M1O	04-017/15:15:36.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2071	M1O	04-017/15:15:37.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-017/15:05:08.4
2072	M1O	04-017/15:15:58.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2073	M1O	04-017/15:20:57.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/15:10:28.6
2074	M1O	04-017/15:20:57.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2075	M1O	04-017/15:20:58.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/15:10:29.6
2076	M1O	04-017/15:30:27.0		NOTE: South Pole Crossing 9282		04-017/15:19:57.7
2077	M1O	04-017/15:30:28.2		NOTE: Periapsis 9282 ----------		04-017/15:19:58.9
2078	M1O	04-017/15:48:28.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2079	M1O	04-017/15:58:22.8		NOTE: Enter Solar Eclipse 9282		04-017/15:47:53.4
2080	M1O	04-017/15:58:28.0	63	Range Modulation Off		
2081	M1O	04-017/15:59:46.1		NOTE: Ascending Node Crossing 9282		04-017/15:49:16.7
2082	M1O	04-017/16:03:28.0	63	X-Band Transmitter Off		
2083	M1O	04-017/16:16:45.9		NOTE: Exit Solar Eclipse 9282		04-017/16:06:16.5
2084	M1O	04-017/16:23:13.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2085	M1O	04-017/16:23:24.0		SPAWN, Engine = 65535, Parameters = 3, 00:25:45, 1	dpt	04-017/16:12:54.5
2086	M1O	04-017/16:23:26.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/16:12:56.6
2087	M1O	04-017/16:23:26.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2088	M1O	04-017/16:23:27.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/16:12:57.6
2089	M1O	04-017/16:24:26.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2090	M1O	04-017/16:24:27.4		NOTE: ENTER HGA KEEP OUT ZONE		
2091	M1O	04-017/16:24:27.4	63	NOTE: Loss Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2092	M1O	04-017/16:28:13.0	63	Range Modulation On: SUP=3.0dB		
2093	M1O	04-017/16:29:13.0	63	Begin Ranging Acquisition		
2094	M1O	04-017/16:29:30.1		NOTE: Enter Planetary Atmosphere 9282		04-017/16:19:00.6
2095	M1O	04-017/16:29:45.2		NOTE: North Pole Crossing 9282		04-017/16:19:15.7
2096	M1O	04-017/16:29:56.6		NOTE: Apoapsis 9282 -		04-017/16:19:27.1
2097	M1O	04-017/16:31:49.9		NOTE: Enter Earth Occultation 9282		04-017/16:21:20.4
2098	M1O	04-017/16:34:27.5		NOTE: EXIT HGA KEEP OUT ZONE		
2099	M1O	04-017/16:43:40.0		NOTE: Exit Earth Occultation 9282		04-017/16:33:10.4
2100	M1O	04-017/16:43:40.0	63	Acquisition Of X-Band Signal		
2101	M1O	04-017/16:43:40.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2102	M1O	04-017/16:44:11.9	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2103	M1O	04-017/16:46:01.0		NOTE: Exit Planetary Atmosphere 9282		04-017/16:35:31.5
2104	M1O	04-017/16:49:11.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/16:38:41.6
2105	M1O	04-017/16:49:11.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2106	M1O	04-017/16:49:12.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/16:38:42.6
2107	M1O	04-017/16:59:44.7		NOTE: Descending Node Crossing 9283		04-017/16:49:15.1
2108	M1O	04-017/17:29:03.7		NOTE: South Pole Crossing 9283		04-017/17:18:34.0
2109	M1O	04-017/17:29:24.8		NOTE: Periapsis 9283 ----------		04-017/17:18:55.1
2110	M1O	04-017/17:47:04.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2111	M1O	04-017/17:56:56.5		NOTE: Enter Solar Eclipse 9283		04-017/17:46:26.8
2112	M1O	04-017/17:57:04.0	63	Range Modulation Off		
2113	M1O	04-017/17:58:22.1		NOTE: Ascending Node Crossing 9283		04-017/17:47:52.3
2114	M1O	04-017/18:02:04.0	63	X-Band Transmitter Off		
2115	M1O	04-017/18:15:23.1		NOTE: Exit Solar Eclipse 9283		04-017/18:04:53.2
2116	M1O	04-017/18:21:49.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2117	M1O	04-017/18:22:01.5		SPAWN, Engine = 65535, Parameters = 3, 00:25:45, 1	dpt	04-017/18:11:31.7
2118	M1O	04-017/18:22:03.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/18:11:33.8
2119	M1O	04-017/18:22:03.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2120	M1O	04-017/18:22:04.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/18:11:34.8
2121	M1O	04-017/18:23:03.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2122	M1O	04-017/18:23:04.8		NOTE: ENTER HGA KEEP OUT ZONE		
2123	M1O	04-017/18:23:04.8	63	NOTE: Loss Of X-Band Signal		
2124	M1O	04-017/18:26:49.0	63	Range Modulation On: SUP=3.0dB		
2125	M1O	04-017/18:27:49.0	63	Begin Ranging Acquisition		
2126	M1O	04-017/18:28:04.2		NOTE: Enter Planetary Atmosphere 9283		04-017/18:17:34.3
2127	M1O	04-017/18:28:21.2		NOTE: North Pole Crossing 9283		04-017/18:17:51.3
2128	M1O	04-017/18:28:47.0		NOTE: Apoapsis 9283 -		04-017/18:18:17.1
2129	M1O	04-017/18:30:23.6		NOTE: Enter Earth Occultation 9283		04-017/18:19:53.7
2130	M1O	04-017/18:33:04.8		NOTE: EXIT HGA KEEP OUT ZONE		
2131	M1O	04-017/18:42:16.7		NOTE: Exit Earth Occultation 9283		04-017/18:31:46.8
2132	M1O	04-017/18:42:16.7	63	Acquisition Of X-Band Signal		
2133	M1O	04-017/18:42:16.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2134	M1O	04-017/18:42:48.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2135	M1O	04-017/18:44:37.4		NOTE: Exit Planetary Atmosphere 9283		04-017/18:34:07.5
2136	M1O	04-017/18:47:48.7		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-017/18:37:18.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
2137	M1O	04-017/18:47:48.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2138	M1O	04-017/18:47:49.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/18:37:19.8
2139	M1O	04-017/18:58:20.8		NOTE: Descending Node Crossing 9284		04-017/18:47:50.9
2140	M1O	04-017/19:27:38.7		NOTE: South Pole Crossing 9284		04-017/19:17:08.6
2141	M1O	04-017/19:28:00.5		NOTE: Periapsis 9284 ----------		04-017/19:17:30.5
2142	M1O	04-017/19:45:40.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2143	M1O	04-017/19:55:28.1		NOTE: Enter Solar Eclipse 9284		04-017/19:44:57.9
2144	M1O	04-017/19:55:40.0	63	Range Modulation Off		
2145	M1O	04-017/19:56:55.7		NOTE: Ascending Node Crossing 9284		04-017/19:46:25.6
2146	M1O	04-017/20:00:40.0	63	X-Band Transmitter Off		
2147	M1O	04-017/20:13:58.8		NOTE: Exit Solar Eclipse 9284		04-017/20:03:28.6
2148	M1O	04-017/20:20:26.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2149	M1O	04-017/20:20:37.9		SPAWN, Engine = 65535, Parameters = 3, 00:25:46, 1	dpt	04-017/20:10:07.7
2150	M1O	04-017/20:20:40.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/20:10:09.8
2151	M1O	04-017/20:20:40.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2152	M1O	04-017/20:20:41.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/20:10:10.8
2153	M1O	04-017/20:21:40.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2154	M1O	04-017/20:21:41.2		NOTE: ENTER HGA KEEP OUT ZONE		
2155	M1O	04-017/20:21:41.2	63	NOTE: Loss Of X-Band Signal		
2156	M1O	04-017/20:25:26.0	63	Range Modulation On: SUP=3.0dB		
2157	M1O	04-017/20:26:26.0	63	Begin Ranging Acquisition		
2158	M1O	04-017/20:26:33.3		NOTE: Enter Planetary Atmosphere 9284		04-017/20:16:03.0
2159	M1O	04-017/20:26:54.7		NOTE: North Pole Crossing 9284		04-017/20:16:24.4
2160	M1O	04-017/20:27:07.6		NOTE: Apoapsis 9284 -		04-017/20:16:37.3
2161	M1O	04-017/20:28:51.2		NOTE: Enter Earth Occultation 9284		04-017/20:18:21.0
2162	M1O	04-017/20:31:41.2		NOTE: EXIT HGA KEEP OUT ZONE		
2163	M1O	04-017/20:40:54.6		NOTE: Exit Earth Occultation 9284		04-017/20:30:24.3
2164	M1O	04-017/20:40:54.6	63	Acquisition Of X-Band Signal		
2165	M1O	04-017/20:40:54.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2166	M1O	04-017/20:41:04.3		SPAWN, Engine = 65535, Parameters = 017, 03, FALSE, 00:19:37.037, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-017/20:30:34.0
2167	M1O	04-017/20:41:05.4		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	04-017/20:30:35.1
2168	M1O	04-017/20:41:07.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-017/20:30:37.1
2169	M1O	04-017/20:41:26.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2170	M1O	04-017/20:41:49.6		CALL, Engine = , Parameters = 56	get_apid	04-017/20:31:19.3
2171	M1O	04-017/20:41:50.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-017/20:31:20.4
2172	M1O	04-017/20:41:50.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-017/20:31:20.6
2173	M1O	04-017/20:41:52.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-017/20:31:21.7
2174	M1O	04-017/20:41:53.2		CALL, Engine = , Parameters = 56	get_coding	04-017/20:31:22.9
2175	M1O	04-017/20:41:54.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-017/20:31:24.1
2176	M1O	04-017/20:41:55.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-017/20:31:25.3
2177	M1O	04-017/20:43:00.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-017/20:32:30.1
2178	M1O	04-017/20:43:01.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-017/20:32:31.1
2179	M1O	04-017/20:43:02.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-017/20:32:32.1
2180	M1O	04-017/20:43:03.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-017/20:32:33.1
2181	M1O	04-017/20:43:04.4		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-017/20:32:34.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2182	M1O	04-017/20:43:05.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-017/20:32:35.1
2183	M1O	04-017/20:43:06.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-017/20:32:36.1
2184	M1O	04-017/20:43:14.0		NOTE: Exit Planetary Atmosphere 9284		04-017/20:32:43.7
2185	M1O	04-017/20:46:26.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/20:35:55.8
2186	M1O	04-017/20:46:26.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2187	M1O	04-017/20:46:27.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/20:35:56.8
2188	M1O	04-017/20:56:53.9		NOTE: Descending Node Crossing 9285		04-017/20:46:23.5
2189	M1O	04-017/21:02:39.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-017/20:52:09.1
2190	M1O	04-017/21:02:40.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-017/20:52:10.2
2191	M1O	04-017/21:02:50.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-017/20:52:20.2
2192	M1O	04-017/21:02:51.6		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	04-017/20:52:21.2
2193	M1O	04-017/21:20:00.0	14	Begin Pre-Cal		
2194	M1O	04-017/21:20:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2195	M1O	04-017/21:20:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2196	M1O	04-017/21:20:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2197	M1O	04-017/21:20:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2198	M1O	04-017/21:20:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
2199	M1O	04-017/21:20:00.0	14	Config: RCV: Parms:		
2200	M1O	04-017/21:20:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2201	M1O	04-017/21:20:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
2202	M1O	04-017/21:20:00.0	14	Config: TXL		
2203	M1O	04-017/21:20:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2204	M1O	04-017/21:20:00.0	14	Config: CMD		
2205	M1O	04-017/21:20:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2206	M1O	04-017/21:26:10.7		NOTE: South Pole Crossing 9285		04-017/21:15:40.2
2207	M1O	04-017/21:26:13.1		NOTE: Periapsis 9285 ----------		04-017/21:15:42.7
2208	M1O	04-017/21:43:52.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2209	M1O	04-017/21:53:52.0	63	Range Modulation Off		
2210	M1O	04-017/21:54:00.1		NOTE: Enter Solar Eclipse 9285		04-017/21:43:29.6
2211	M1O	04-017/21:55:27.4		NOTE: Ascending Node Crossing 9285		04-017/21:44:56.8
2212	M1O	04-017/21:58:52.0	63	X-Band Transmitter Off		
2213	M1O	04-017/22:12:31.4		NOTE: Exit Solar Eclipse 9285		04-017/22:02:00.8
2214	M1O	04-017/22:18:50.3		SPAWN, Engine = 65535, Parameters = 3, 00:26:07, 1	dpt	04-017/22:08:19.7
2215	M1O	04-017/22:18:52.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-017/22:08:21.8
2216	M1O	04-017/22:18:52.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2217	M1O	04-017/22:18:53.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-017/22:08:22.8
2218	M1O	04-017/22:18:59.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2219	M1O	04-017/22:19:53.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2220	M1O	04-017/22:19:53.6		NOTE: ENTER HGA KEEP OUT ZONE		
2221	M1O	04-017/22:19:53.6	63	NOTE: Loss Of X-Band Signal		
2222	M1O	04-017/22:20:00.0	14	Begin Tracking		
2223	M1O	04-017/22:21:00.0	14	U/L Transfer From DSS-63 to DSS-14: PWR=20.0, BR=125.0		
2224	M1O	04-017/22:25:01.1		NOTE: Enter Planetary Atmosphere 9285		04-017/22:14:30.5
2225	M1O	04-017/22:25:21.1		NOTE: Apoapsis 9285 -		04-017/22:14:50.5
2226	M1O	04-017/22:25:25.7		NOTE: North Pole Crossing 9285		04-017/22:14:55.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2227	M1O	04-017/22:26:00.0	14	Range Modulation On: SUP=3.0dB		
2228	M1O	04-017/22:27:00.0	14	Begin Ranging Acquisition		
2229	M1O	04-017/22:27:18.3		NOTE: Enter Earth Occultation 9285		04-017/22:16:47.7
2230	M1O	04-017/22:30:13.6		NOTE: EXIT HGA KEEP OUT ZONE		
2231	M1O	04-017/22:39:27.8		NOTE: Exit Earth Occultation 9285		04-017/22:28:57.1
2232	M1O	04-017/22:39:27.8	14	Acquisition Of X-Band Signal		
2233	M1O	04-017/22:39:27.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2234	M1O	04-017/22:39:27.8	63	Acquisition Of X-Band Signal		
2235	M1O	04-017/22:39:27.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2236	M1O	04-017/22:40:00.2	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		
2237	M1O	04-017/22:40:00.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2238	M1O	04-017/22:41:46.3		NOTE: Exit Planetary Atmosphere 9285		04-017/22:31:15.6
2239	M1O	04-017/22:42:01.2	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2240	M1O	04-017/22:42:01.2	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		
2241	M1O	04-017/22:44:59.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-017/22:34:28.8
2242	M1O	04-017/22:44:59.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2243	M1O	04-017/22:44:59.4	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		
2244	M1O	04-017/22:45:00.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-017/22:34:29.8
2245	M1O	04-017/22:55:23.9		NOTE: Descending Node Crossing 9286		04-017/22:44:53.2
2246	M1O	04-017/23:00:00.0	63	End Tracking		
2247	M1O	04-017/23:15:00.0	63	End Post-Cal		
2248	M1O	04-017/23:24:30.7		NOTE: Periapsis 9286 ----------		04-017/23:13:59.8
2249	M1O	04-017/23:24:41.3		NOTE: South Pole Crossing 9286		04-017/23:14:10.5
2250	M1O	04-017/23:42:21.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
2251	M1O	04-017/23:52:21.0	14	Range Modulation Off		
2252	M1O	04-017/23:52:33.6		NOTE: Enter Solar Eclipse 9286		04-017/23:42:02.7
2253	M1O	04-017/23:53:59.2		NOTE: Ascending Node Crossing 9286		04-017/23:43:28.3
2254	M1O	04-017/23:57:21.0	14	X-Band Transmitter Off		
2255	M1O	04-018/00:00:00.0		Light Time: OWLT = 10:30, RTLT = 21:01		
2256	M1O	04-018/00:10:59.2		NOTE: Exit Solar Eclipse 9286		04-018/00:00:28.3
2257	M1O	04-018/00:17:18.5		SPAWN, Engine = 65535, Parameters = 3, 00:26:02.277, 1	dpt	04-018/00:06:47.5
2258	M1O	04-018/00:17:20.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/00:06:49.6
2259	M1O	04-018/00:17:20.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2260	M1O	04-018/00:17:21.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2261	M1O	04-018/00:17:21.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/00:06:50.6
2262	M1O	04-018/00:18:22.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2263	M1O	04-018/00:18:23.9		NOTE: ENTER HGA KEEP OUT ZONE		
2264	M1O	04-018/00:18:23.9	14	NOTE: Loss Of X-Band Signal		
2265	M1O	04-018/00:22:21.0	14	Range Modulation On: SUP=3.0dB		
2266	M1O	04-018/00:23:21.0	14	Begin Ranging Acquisition		
2267	M1O	04-018/00:23:39.8		NOTE: Enter Planetary Atmosphere 9286		04-018/00:13:08.8
2268	M1O	04-018/00:23:56.8		NOTE: Apoapsis 9286 -		04-018/00:13:25.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2269	M1O	04-018/00:23:57.9		NOTE: North Pole Crossing 9286		04-018/00:13:26.9
2270	M1O	04-018/00:25:59.5		NOTE: Enter Earth Occultation 9286		04-018/00:15:28.5
2271	M1O	04-018/00:28:44.0		NOTE: EXIT HGA KEEP OUT ZONE		
2272	M1O	04-018/00:37:51.7		NOTE: Exit Earth Occultation 9286		04-018/00:27:20.6
2273	M1O	04-018/00:37:51.7	14	Acquisition Of X-Band Signal		
2274	M1O	04-018/00:37:51.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2275	M1O	04-018/00:38:22.9	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2276	M1O	04-018/00:40:12.7		NOTE: Exit Planetary Atmosphere 9286		04-018/00:29:41.6
2277	M1O	04-018/00:43:23.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/00:32:51.9
2278	M1O	04-018/00:43:23.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2279	M1O	04-018/00:43:24.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/00:32:52.9
2280	M1O	04-018/00:53:56.5		NOTE: Descending Node Crossing 9287		04-018/00:43:25.4
2281	M1O	04-018/01:23:06.1		NOTE: Periapsis 9287 ----------		04-018/01:12:34.9
2282	M1O	04-018/01:23:14.6		NOTE: South Pole Crossing 9287		04-018/01:12:43.4
2283	M1O	04-018/01:41:11.2		SPAWN, Engine = 65535, Parameters = 018, 01, FALSE, 00:10:34.214, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-018/01:30:40.0
2284	M1O	04-018/01:41:12.3		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	04-018/01:30:41.1
2285	M1O	04-018/01:41:13.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
2286	M1O	04-018/01:41:14.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-018/01:30:43.1
2287	M1O	04-018/01:41:56.5		CALL, Engine = , Parameters = 254	get_apid	04-018/01:31:25.3
2288	M1O	04-018/01:41:57.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-018/01:31:26.4
2289	M1O	04-018/01:41:57.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-018/01:31:26.6
2290	M1O	04-018/01:41:58.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-018/01:31:27.7
2291	M1O	04-018/01:42:00.2		CALL, Engine = , Parameters = 254	get_coding	04-018/01:31:29.0
2292	M1O	04-018/01:42:01.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-018/01:31:30.2
2293	M1O	04-018/01:42:02.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-018/01:31:31.4
2294	M1O	04-018/01:43:07.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-018/01:32:36.2
2295	M1O	04-018/01:43:08.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-018/01:32:37.2
2296	M1O	04-018/01:43:09.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-018/01:32:38.2
2297	M1O	04-018/01:43:10.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-018/01:32:39.2
2298	M1O	04-018/01:43:11.4		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-018/01:32:40.2
2299	M1O	04-018/01:43:12.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-018/01:32:41.2
2300	M1O	04-018/01:43:13.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-018/01:32:42.2
2301	M1O	04-018/01:51:08.1		NOTE: Enter Solar Eclipse 9287		04-018/01:40:36.8
2302	M1O	04-018/01:51:13.0	14	Range Modulation Off		
2303	M1O	04-018/01:52:33.2		NOTE: Ascending Node Crossing 9287		04-018/01:42:01.9
2304	M1O	04-018/01:53:43.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-018/01:43:12.4
2305	M1O	04-018/01:53:44.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-018/01:43:13.5
2306	M1O	04-018/01:53:54.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-018/01:43:23.5
2307	M1O	04-018/01:53:55.8		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	04-018/01:43:24.5
2308	M1O	04-018/01:56:13.0	14	X-Band Transmitter Off		
2309	M1O	04-018/02:09:27.8		NOTE: Exit Solar Eclipse 9287		04-018/01:58:56.5
2310	M1O	04-018/02:15:46.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2311	M1O	04-018/02:16:13.2		SPAWN, Engine = 65535, Parameters = 3, 00:25:33, 1	dpt	04-018/02:05:41.8
2312	M1O	04-018/02:16:15.3		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-018/02:05:43.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
2313	M1O	04-018/02:16:15.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2314	M1O	04-018/02:16:16.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/02:05:44.9
2315	M1O	04-018/02:17:15.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2316	M1O	04-018/02:17:16.3		NOTE: ENTER HGA KEEP OUT ZONE		
2317	M1O	04-018/02:17:16.3	14	NOTE: Loss Of X-Band Signal		
2318	M1O	04-018/02:20:46.0	14	Range Modulation On: SUP=3.0dB		
2319	M1O	04-018/02:21:46.0	14	Begin Ranging Acquisition		
2320	M1O	04-018/02:22:24.5		NOTE: Enter Planetary Atmosphere 9287		04-018/02:11:53.1
2321	M1O	04-018/02:22:33.3		NOTE: North Pole Crossing 9287		04-018/02:12:01.9
2322	M1O	04-018/02:22:36.1		NOTE: Apoapsis 9287 -		04-018/02:12:04.7
2323	M1O	04-018/02:24:47.6		NOTE: Enter Earth Occultation 9287		04-018/02:14:16.2
2324	M1O	04-018/02:27:16.3		NOTE: EXIT HGA KEEP OUT ZONE		
2325	M1O	04-018/02:36:17.0		NOTE: Exit Earth Occultation 9287		04-018/02:25:45.6
2326	M1O	04-018/02:36:17.0	14	Acquisition Of X-Band Signal		
2327	M1O	04-018/02:36:17.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2328	M1O	04-018/02:36:48.7	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2329	M1O	04-018/02:38:41.4		NOTE: Exit Planetary Atmosphere 9287		04-018/02:28:10.0
2330	M1O	04-018/02:41:48.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/02:31:16.9
2331	M1O	04-018/02:41:48.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2332	M1O	04-018/02:41:49.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/02:31:17.9
2333	M1O	04-018/02:52:33.2		NOTE: Descending Node Crossing 9288		04-018/02:42:01.8
2334	M1O	04-018/03:21:48.0		NOTE: Periapsis 9288 ----------		04-018/03:11:16.4
2335	M1O	04-018/03:21:51.2		NOTE: South Pole Crossing 9288		04-018/03:11:19.7
2336	M1O	04-018/03:34:45.6		SPAWN, Engine = 65535, Parameters = 018, 02, TRUE, 00:19:02, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-018/03:24:14.0
2337	M1O	04-018/03:34:46.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/03:24:14.5
2338	M1O	04-018/03:34:46.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2339	M1O	04-018/03:34:46.7		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	04-018/03:24:15.1
2340	M1O	04-018/03:34:48.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-018/03:24:17.1
2341	M1O	04-018/03:34:49.0		CALL, Engine = , Parameters = 018, 02, 254	bld_autosw	04-018/03:24:17.4
2342	M1O	04-018/03:34:50.1		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	04-018/03:24:18.5
2343	M1O	04-018/03:34:51.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:19.6
2344	M1O	04-018/03:34:52.2		Deletes the designated file.: d:/dat/254_doy018_pass02_file01.dat	FILE_DELETE	04-018/03:24:20.6
2345	M1O	04-018/03:34:53.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:21.7
2346	M1O	04-018/03:34:54.3		Deletes the designated file.: d:/dat/254_doy018_pass02_file02.dat	FILE_DELETE	04-018/03:24:22.7
2347	M1O	04-018/03:34:55.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:23.8
2348	M1O	04-018/03:34:56.4		Deletes the designated file.: d:/dat/254_doy018_pass02_file03.dat	FILE_DELETE	04-018/03:24:24.8
2349	M1O	04-018/03:34:57.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:25.9
2350	M1O	04-018/03:34:58.5		Deletes the designated file.: d:/dat/254_doy018_pass02_file04.dat	FILE_DELETE	04-018/03:24:26.9
2351	M1O	04-018/03:34:59.6		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-018/03:24:28.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy018_pass02_file05.dat, d:/dat/autoswitch.dat		
2352	M1O	04-018/03:35:00.6		Deletes the designated file.: d:/dat/254_doy018_pass02_file05.dat	FILE_DELETE	04-018/03:24:29.0
2353	M1O	04-018/03:35:01.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:30.1
2354	M1O	04-018/03:35:02.7		Deletes the designated file.: d:/dat/254_doy018_pass02_file06.dat	FILE_DELETE	04-018/03:24:31.1
2355	M1O	04-018/03:35:03.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:32.2
2356	M1O	04-018/03:35:04.8		Deletes the designated file.: d:/dat/254_doy018_pass02_file07.dat	FILE_DELETE	04-018/03:24:33.2
2357	M1O	04-018/03:35:05.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:34.3
2358	M1O	04-018/03:35:06.9		Deletes the designated file.: d:/dat/254_doy018_pass02_file08.dat	FILE_DELETE	04-018/03:24:35.3
2359	M1O	04-018/03:35:08.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:36.4
2360	M1O	04-018/03:35:09.0		Deletes the designated file.: d:/dat/254_doy018_pass02_file09.dat	FILE_DELETE	04-018/03:24:37.4
2361	M1O	04-018/03:35:10.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:38.5
2362	M1O	04-018/03:35:11.1		Deletes the designated file.: d:/dat/254_doy018_pass02_file10.dat	FILE_DELETE	04-018/03:24:39.5
2363	M1O	04-018/03:35:12.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:40.6
2364	M1O	04-018/03:35:13.2		Deletes the designated file.: d:/dat/254_doy018_pass02_file11.dat	FILE_DELETE	04-018/03:24:41.6
2365	M1O	04-018/03:35:14.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:42.7
2366	M1O	04-018/03:35:15.3		Deletes the designated file.: d:/dat/254_doy018_pass02_file12.dat	FILE_DELETE	04-018/03:24:43.7
2367	M1O	04-018/03:35:16.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:44.8
2368	M1O	04-018/03:35:17.4		Deletes the designated file.: d:/dat/254_doy018_pass02_file13.dat	FILE_DELETE	04-018/03:24:45.8
2369	M1O	04-018/03:35:18.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:46.9
2370	M1O	04-018/03:35:19.5		Deletes the designated file.: d:/dat/254_doy018_pass02_file14.dat	FILE_DELETE	04-018/03:24:47.9
2371	M1O	04-018/03:35:20.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:49.0
2372	M1O	04-018/03:35:21.6		Deletes the designated file.: d:/dat/254_doy018_pass02_file15.dat	FILE_DELETE	04-018/03:24:50.0
2373	M1O	04-018/03:35:22.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:51.1
2374	M1O	04-018/03:35:23.7		Deletes the designated file.: d:/dat/254_doy018_pass02_file16.dat	FILE_DELETE	04-018/03:24:52.1
2375	M1O	04-018/03:35:24.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:53.2
2376	M1O	04-018/03:35:25.8		Deletes the designated file.: d:/dat/254_doy018_pass02_file17.dat	FILE_DELETE	04-018/03:24:54.2
2377	M1O	04-018/03:35:26.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:55.3
2378	M1O	04-018/03:35:27.9		Deletes the designated file.: d:/dat/254_doy018_pass02_file18.dat	FILE_DELETE	04-018/03:24:56.3
2379	M1O	04-018/03:35:29.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/03:24:57.4
2380	M1O	04-018/03:35:30.0		Deletes the designated file.: d:/dat/254_doy018_pass02_file19.dat	FILE_DELETE	04-018/03:24:58.4
2381	M1O	04-018/03:35:31.0		CALL, Engine = , Parameters = 254	get_apid	04-018/03:24:59.4
2382	M1O	04-018/03:35:32.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-018/03:25:00.5
2383	M1O	04-018/03:35:32.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-018/03:25:00.7
2384	M1O	04-018/03:35:33.4		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-018/03:25:01.8
2385	M1O	04-018/03:35:34.7		CALL, Engine = , Parameters = 254	get_coding	04-018/03:25:03.1
2386	M1O	04-018/03:35:35.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-018/03:25:04.3
2387	M1O	04-018/03:35:37.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-018/03:25:05.5
2388	M1O	04-018/03:36:41.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-018/03:26:10.3
2389	M1O	04-018/03:36:42.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-018/03:26:11.3
2390	M1O	04-018/03:36:43.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-018/03:26:12.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2391	M1O	04-018/03:36:44.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-018/03:26:13.3
2392	M1O	04-018/03:36:45.9		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-018/03:26:14.3
2393	M1O	04-018/03:36:46.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-018/03:26:15.3
2394	M1O	04-018/03:36:47.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-018/03:26:16.3
2395	M1O	04-018/03:38:37.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/03:28:06.3
2396	M1O	04-018/03:38:47.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-018/03:28:16.3
2397	M1O	04-018/03:40:10.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
2398	M1O	04-018/03:49:43.6		NOTE: Enter Solar Eclipse 9288		04-018/03:39:12.0
2399	M1O	04-018/03:50:10.0	14	Range Modulation Off		
2400	M1O	04-018/03:51:09.4		NOTE: Ascending Node Crossing 9288		04-018/03:40:37.8
2401	M1O	04-018/03:55:10.0	14	X-Band Transmitter Off		
2402	M1O	04-018/03:55:47.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-018/03:45:16.3
2403	M1O	04-018/03:55:49.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-018/03:45:17.4
2404	M1O	04-018/03:55:59.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-018/03:45:27.4
2405	M1O	04-018/03:56:00.0		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	04-018/03:45:28.4
2406	M1O	04-018/03:56:01.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-018/03:45:29.4
2407	M1O	04-018/03:56:01.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2408	M1O	04-018/03:56:02.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-018/03:45:30.4
2409	M1O	04-018/04:01:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/03:50:29.0
2410	M1O	04-018/04:01:00.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2411	M1O	04-018/04:08:01.3		NOTE: Exit Solar Eclipse 9288		04-018/03:57:29.6
2412	M1O	04-018/04:14:20.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2413	M1O	04-018/04:15:10.5		SPAWN, Engine = 65535, Parameters = 3, 00:25:10, 1	dpt	04-018/04:04:38.8
2414	M1O	04-018/04:15:12.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/04:04:40.9
2415	M1O	04-018/04:15:12.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2416	M1O	04-018/04:15:13.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/04:04:41.9
2417	M1O	04-018/04:16:13.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2418	M1O	04-018/04:16:13.7		NOTE: ENTER HGA KEEP OUT ZONE		
2419	M1O	04-018/04:16:13.7	14	NOTE: Loss Of X-Band Signal		
2420	M1O	04-018/04:19:20.0	14	Range Modulation On: SUP=3.0dB		
2421	M1O	04-018/04:20:20.0	14	Begin Ranging Acquisition		
2422	M1O	04-018/04:21:04.4		NOTE: Enter Planetary Atmosphere 9288		04-018/04:10:32.6
2423	M1O	04-018/04:21:05.7		NOTE: Apoapsis 9288 -		04-018/04:10:33.9
2424	M1O	04-018/04:21:09.9		NOTE: North Pole Crossing 9288		04-018/04:10:38.2
2425	M1O	04-018/04:23:28.5		NOTE: Enter Earth Occultation 9288		04-018/04:12:56.7
2426	M1O	04-018/04:25:33.7		NOTE: EXIT HGA KEEP OUT ZONE		
2427	M1O	04-018/04:34:50.6		NOTE: Exit Earth Occultation 9288		04-018/04:24:18.8
2428	M1O	04-018/04:34:50.6	14	Acquisition Of X-Band Signal		
2429	M1O	04-018/04:34:50.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2430	M1O	04-018/04:35:23.4	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2431	M1O	04-018/04:37:16.2		NOTE: Exit Planetary Atmosphere 9288		04-018/04:26:44.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2432	M1O	04-018/04:37:40.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
2433	M1O	04-018/04:40:22.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/04:29:50.9
2434	M1O	04-018/04:40:22.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2435	M1O	04-018/04:40:23.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/04:29:51.9
2436	M1O	04-018/04:47:40.0	14	Range Modulation Off		
2437	M1O	04-018/04:51:10.3		NOTE: Descending Node Crossing 9289		04-018/04:40:38.4
2438	M1O	04-018/04:52:40.0	14	X-Band Transmitter Off		
2439	M1O	04-018/05:04:10.8		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-018/04:53:39.0
2440	M1O	04-018/05:04:10.9		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-018/04:53:39.1
2441	M1O	04-018/05:04:11.9		Forces a desaturation of the reaction wheels.	RW_DESAT	04-018/04:53:40.1
2442	M1O	04-018/05:05:32.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-018/04:55:01.0
2443	M1O	04-018/05:05:48.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-016T04:55:01.100, 2004-018T04:55:01.100	PCKTS_RE_TX_TIME	04-018/04:55:16.8
2444	M1O	04-018/05:05:49.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-016T04:55:01.100, 2004-018T04:55:01.100	PCKTS_RE_TX_TIME	04-018/04:55:17.8
2445	M1O	04-018/05:05:50.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-016T04:55:01.100, 2004-018T04:55:01.100	PCKTS_RE_TX_TIME	04-018/04:55:18.8
2446	M1O	04-018/05:05:51.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-016T04:55:01.100, 2004-018T04:55:01.100	PCKTS_RE_TX_TIME	04-018/04:55:19.8
2447	M1O	04-018/05:05:52.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-016T04:55:01.100, 2004-018T04:55:01.100	PCKTS_RE_TX_TIME	04-018/04:55:20.8
2448	M1O	04-018/05:05:53.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-016T04:55:01.100, 2004-018T04:55:01.100	PCKTS_RE_TX_TIME	04-018/04:55:21.8
2449	M1O	04-018/05:05:53.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-018/04:55:21.8
2450	M1O	04-018/05:05:53.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2451	M1O	04-018/05:12:54.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/05:02:22.8
2452	M1O	04-018/05:12:54.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2453	M1O	04-018/05:12:55.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/05:02:23.8
2454	M1O	04-018/05:13:11.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-018/05:02:39.8
2455	M1O	04-018/05:13:11.7	14	D/L RF Warning: SC antenna change - expect signal level variation		
2456	M1O	04-018/05:13:12.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-018/05:02:40.8
2457	M1O	04-018/05:13:43.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2458	M1O	04-018/05:15:42.0		CALL, Engine = , Parameters = FALSE	park_hga	04-018/05:05:10.1
2459	M1O	04-018/05:15:42.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/05:05:10.1
2460	M1O	04-018/05:15:43.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-018/05:05:11.1
2461	M1O	04-018/05:15:44.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-018/05:05:12.1
2462	M1O	04-018/05:15:44.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-018/05:05:12.1
2463	M1O	04-018/05:15:44.0		NOTE: START HGA PARK		
2464	M1O	04-018/05:15:44.0	14	NOTE: Loss Of X-Band Signal		
2465	M1O	04-018/05:15:45.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-018/05:05:13.1
2466	M1O	04-018/05:15:46.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-018/05:05:14.1
2467	M1O	04-018/05:20:16.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-018/05:09:44.1
2468	M1O	04-018/05:20:20.2		NOTE: Periapsis 9289 ----------		04-018/05:09:48.2
2469	M1O	04-018/05:20:28.2		NOTE: South Pole Crossing 9289		04-018/05:09:56.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2470	M1O	04-018/05:23:46.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-018/05:13:14.1
2471	M1O	04-018/05:23:46.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-018/05:13:14.1
2472	M1O	04-018/05:48:20.6		NOTE: Enter Solar Eclipse 9289		04-018/05:37:48.5
2473	M1O	04-018/05:49:46.3		NOTE: Ascending Node Crossing 9289		04-018/05:39:14.3
2474	M1O	04-018/05:53:46.0		GV: GV_DESAT_ACTIVE = 1		04-018/05:43:14.0
2475	M1O	04-018/05:53:47.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-018/05:43:15.0
2476	M1O	04-018/05:53:47.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-018/05:43:15.0
2477	M1O	04-018/06:03:46.0		GV: GV_DESAT_ACTIVE = 0		04-018/05:53:14.0
2478	M1O	04-018/06:03:47.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-018/05:53:15.0
2479	M1O	04-018/06:03:48.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-018/05:53:16.0
2480	M1O	04-018/06:03:49.0		CALL, Engine = , Parameters =	unpark_hga	04-018/05:53:17.0
2481	M1O	04-018/06:03:49.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-018/05:53:17.0
2482	M1O	04-018/06:03:50.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-018/05:53:18.0
2483	M1O	04-018/06:06:38.8		NOTE: Exit Solar Eclipse 9289		04-018/05:56:06.7
2484	M1O	04-018/06:08:20.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-018/05:57:48.0
2485	M1O	04-018/06:08:21.0		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-018/05:57:49.0
2486	M1O	04-018/06:10:00.0	43	Begin Pre-Cal		
2487	M1O	04-018/06:10:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2488	M1O	04-018/06:10:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2489	M1O	04-018/06:10:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2490	M1O	04-018/06:10:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2491	M1O	04-018/06:10:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
2492	M1O	04-018/06:10:00.0	43	Config: RCV: Parms:		
2493	M1O	04-018/06:10:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2494	M1O	04-018/06:10:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
2495	M1O	04-018/06:10:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
2496	M1O	04-018/06:11:46.1		SPAWN, Engine = 65535, Parameters = 00:26:50.978	cstr	04-018/06:01:14.0
2497	M1O	04-018/06:11:46.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/06:01:14.1
2498	M1O	04-018/06:11:47.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/06:01:15.1
2499	M1O	04-018/06:11:48.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-018/06:01:16.1
2500	M1O	04-018/06:11:49.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-018/06:01:17.1
2501	M1O	04-018/06:11:50.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-018/06:01:18.1
2502	M1O	04-018/06:12:00.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-018/06:01:28.1
2503	M1O	04-018/06:12:10.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-018/06:01:38.1
2504	M1O	04-018/06:12:21.0		NOTE: EXIT HGA PARK		
2505	M1O	04-018/06:12:21.0	14	Acquisition Of X-Band Signal		
2506	M1O	04-018/06:12:21.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2507	M1O	04-018/06:12:58.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2508	M1O	04-018/06:14:50.1		NOTE: ENTER HGA KEEP OUT ZONE		
2509	M1O	04-018/06:14:50.1	14	NOTE: Loss Of X-Band Signal		
2510	M1O	04-018/06:17:58.0	14	Range Modulation On: SUP=3.0dB		
2511	M1O	04-018/06:18:58.0	14	Begin Ranging Acquisition		
2512	M1O	04-018/06:19:24.7		NOTE: Apoapsis 9289 -		04-018/06:08:52.6
2513	M1O	04-018/06:19:37.0		NOTE: Enter Planetary Atmosphere 9289		04-018/06:09:04.9
2514	M1O	04-018/06:19:46.2		NOTE: North Pole Crossing 9289		04-018/06:09:14.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2515	M1O	04-018/06:20:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
2516	M1O	04-018/06:21:59.8		NOTE: Enter Earth Occultation 9289		04-018/06:11:27.6
2517	M1O	04-018/06:24:10.1		NOTE: EXIT HGA KEEP OUT ZONE		
2518	M1O	04-018/06:30:00.0	14	Range Modulation Off		
2519	M1O	04-018/06:33:30.9		NOTE: Exit Earth Occultation 9289		04-018/06:22:58.7
2520	M1O	04-018/06:33:30.9	14	Acquisition Of X-Band Signal		
2521	M1O	04-018/06:33:30.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2522	M1O	04-018/06:34:02.2	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2523	M1O	04-018/06:35:00.0	14	X-Band Transmitter Off		
2524	M1O	04-018/06:35:55.0		NOTE: Exit Planetary Atmosphere 9289		04-018/06:25:22.8
2525	M1O	04-018/06:38:55.5	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
2526	M1O	04-018/06:39:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/06:28:29.0
2527	M1O	04-018/06:39:02.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/06:28:30.0
2528	M1O	04-018/06:39:02.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2529	M1O	04-018/06:39:03.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-018/06:28:31.0
2530	M1O	04-018/06:40:00.0	43	Begin Tracking		
2531	M1O	04-018/06:40:00.0	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		
2532	M1O	04-018/06:45:18.0	14	NOTE: Below Uplink Interlock Limit		
2533	M1O	04-018/06:49:45.7		NOTE: Descending Node Crossing 9290		04-018/06:39:13.5
2534	M1O	04-018/06:55:02.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-018/06:44:29.9
2535	M1O	04-018/06:55:04.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/06:44:32.0
2536	M1O	04-018/06:55:04.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2537	M1O	04-018/06:55:04.3	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		
2538	M1O	04-018/06:55:05.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/06:44:33.0
2539	M1O	04-018/06:56:04.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2540	M1O	04-018/06:56:04.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2541	M1O	04-018/07:00:00.0	14	End Tracking		
2542	M1O	04-018/07:01:04.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/06:50:32.0
2543	M1O	04-018/07:01:04.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2544	M1O	04-018/07:01:05.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/06:50:33.0
2545	M1O	04-018/07:10:32.2		SPAWN, Engine = 65535, Parameters =	scdiag	04-018/07:00:00.0
2546	M1O	04-018/07:10:33.3		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-018/07:00:01.1
2547	M1O	04-018/07:10:34.3		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-018/07:00:02.1
2548	M1O	04-018/07:11:35.2		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-018/07:01:03.0
2549	M1O	04-018/07:11:35.4		NOTE: Start Block fsw_diag		04-018/07:01:03.2
2550	M1O	04-018/07:11:36.4		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-018/07:01:04.2
2551	M1O	04-018/07:11:37.4		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	04-018/07:01:05.2
2552	M1O	04-018/07:11:48.4		Causes flight software to execute the VXWorks shell command contained in the parameter.:	FSW_VX_CMD	04-018/07:01:16.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				[0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]		
2553	M1O	04-018/07:12:18.5		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-018/07:01:46.2
2554	M1O	04-018/07:12:38.5		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-018/07:02:06.2
2555	M1O	04-018/07:12:48.5		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-018/07:02:16.2
2556	M1O	04-018/07:13:08.5		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-018/07:02:36.2
2557	M1O	04-018/07:13:18.5		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-018/07:02:46.2
2558	M1O	04-018/07:13:23.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-018/07:02:51.2
2559	M1O	04-018/07:13:28.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-018/07:02:56.2
2560	M1O	04-018/07:13:33.5		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-018/07:03:01.2
2561	M1O	04-018/07:13:38.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-018/07:03:06.2
2562	M1O	04-018/07:13:43.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-018/07:03:11.2
2563	M1O	04-018/07:14:23.5		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-018/07:03:51.2
2564	M1O	04-018/07:14:28.5		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-018/07:03:56.2
2565	M1O	04-018/07:14:33.5		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-018/07:04:01.2
2566	M1O	04-018/07:14:38.5		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-018/07:04:06.2
2567	M1O	04-018/07:14:43.5		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-018/07:04:11.2
2568	M1O	04-018/07:14:44.5		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-018/07:04:12.2
2569	M1O	04-018/07:14:45.5		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-018/07:04:13.2
2570	M1O	04-018/07:14:46.5		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-018/07:04:14.2
2571	M1O	04-018/07:14:57.5		NOTE: End Block fsw_diag.mod		04-018/07:04:25.2
2572	M1O	04-018/07:15:00.0	14	End Post-Cal		
2573	M1O	04-018/07:18:55.6		NOTE: Periapsis 9290 ----------		04-018/07:08:23.3
2574	M1O	04-018/07:19:03.6		NOTE: South Pole Crossing 9290		04-018/07:08:31.3
2575	M1O	04-018/07:43:43.4		SPAWN, Engine = 65535, Parameters = 018, 01, FALSE, 00:15:13.877, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-018/07:33:11.0
2576	M1O	04-018/07:43:44.5		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	04-018/07:33:12.1
2577	M1O	04-018/07:43:46.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-018/07:33:14.1
2578	M1O	04-018/07:44:28.7		CALL, Engine = , Parameters = 56	get_apid	04-018/07:33:56.3
2579	M1O	04-018/07:44:29.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-018/07:33:57.4
2580	M1O	04-018/07:44:30.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-018/07:33:57.6
2581	M1O	04-018/07:44:31.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-018/07:33:58.7
2582	M1O	04-018/07:44:32.3		CALL, Engine = , Parameters = 56	get_coding	04-018/07:33:59.9
2583	M1O	04-018/07:44:33.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-018/07:34:01.1
2584	M1O	04-018/07:44:34.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-018/07:34:02.3
2585	M1O	04-018/07:45:39.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-018/07:35:07.1
2586	M1O	04-018/07:45:40.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-018/07:35:08.1
2587	M1O	04-018/07:45:41.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-018/07:35:09.1
2588	M1O	04-018/07:45:42.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-018/07:35:10.1
2589	M1O	04-018/07:45:43.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-018/07:35:11.1
2590	M1O	04-018/07:45:44.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-018/07:35:12.1
2591	M1O	04-018/07:45:45.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-018/07:35:13.1
2592	M1O	04-018/07:46:55.7		NOTE: Enter Solar Eclipse 9290		04-018/07:36:23.3
2593	M1O	04-018/07:48:21.7		NOTE: Ascending Node Crossing 9290		04-018/07:37:49.3
2594	M1O	04-018/08:00:55.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-018/07:50:22.9
2595	M1O	04-018/08:00:56.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-018/07:50:24.0
2596	M1O	04-018/08:01:06.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-018/07:50:34.0
2597	M1O	04-018/08:01:07.5		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	04-018/07:50:35.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2598	M1O	04-018/08:05:17.3		NOTE: Exit Solar Eclipse 9290		04-018/07:54:44.8
2599	M1O	04-018/08:12:23.4		SPAWN, Engine = 65535, Parameters = 3, 00:24:45.751, 1	dpt	04-018/08:01:51.0
2600	M1O	04-018/08:12:25.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/08:01:53.1
2601	M1O	04-018/08:12:25.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2602	M1O	04-018/08:12:26.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/08:01:54.1
2603	M1O	04-018/08:13:25.4		NOTE: ENTER HGA KEEP OUT ZONE		
2604	M1O	04-018/08:13:25.4	43	NOTE: Loss Of X-Band Signal		
2605	M1O	04-018/08:17:56.5		NOTE: Apoapsis 9290 -		04-018/08:07:24.0
2606	M1O	04-018/08:18:04.0		NOTE: Enter Planetary Atmosphere 9290		04-018/08:07:31.5
2607	M1O	04-018/08:18:20.5		NOTE: North Pole Crossing 9290		04-018/08:07:47.9
2608	M1O	04-018/08:20:24.5		NOTE: Enter Earth Occultation 9290		04-018/08:09:52.0
2609	M1O	04-018/08:22:45.5		NOTE: EXIT HGA KEEP OUT ZONE		
2610	M1O	04-018/08:32:11.3		NOTE: Exit Earth Occultation 9290		04-018/08:21:38.7
2611	M1O	04-018/08:32:11.3	43	Acquisition Of X-Band Signal		
2612	M1O	04-018/08:32:11.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2613	M1O	04-018/08:34:33.1		NOTE: Exit Planetary Atmosphere 9290		04-018/08:24:00.5
2614	M1O	04-018/08:37:11.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/08:26:38.8
2615	M1O	04-018/08:37:11.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2616	M1O	04-018/08:37:12.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/08:26:39.8
2617	M1O	04-018/08:48:18.6		NOTE: Descending Node Crossing 9291		04-018/08:37:46.0
2618	M1O	04-018/09:17:28.9		NOTE: Periapsis 9291 ----------		04-018/09:06:56.2
2619	M1O	04-018/09:17:36.1		NOTE: South Pole Crossing 9291		04-018/09:07:03.4
2620	M1O	04-018/09:39:17.7		SPAWN, Engine = 65535, Parameters = 018, 02, FALSE, 00:18:29.397, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-018/09:28:45.0
2621	M1O	04-018/09:39:18.8		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	04-018/09:28:46.1
2622	M1O	04-018/09:39:20.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-018/09:28:48.1
2623	M1O	04-018/09:40:03.0		CALL, Engine = , Parameters = 56	get_apid	04-018/09:29:30.3
2624	M1O	04-018/09:40:04.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-018/09:29:31.4
2625	M1O	04-018/09:40:04.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-018/09:29:31.6
2626	M1O	04-018/09:40:05.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-018/09:29:32.7
2627	M1O	04-018/09:40:06.6		CALL, Engine = , Parameters = 56	get_coding	04-018/09:29:33.9
2628	M1O	04-018/09:40:07.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-018/09:29:35.1
2629	M1O	04-018/09:40:09.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-018/09:29:36.3
2630	M1O	04-018/09:41:13.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-018/09:30:41.1
2631	M1O	04-018/09:41:14.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-018/09:30:42.1
2632	M1O	04-018/09:41:15.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-018/09:30:43.1
2633	M1O	04-018/09:41:16.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-018/09:30:44.1
2634	M1O	04-018/09:41:17.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-018/09:30:45.1
2635	M1O	04-018/09:41:18.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-018/09:30:46.1
2636	M1O	04-018/09:41:19.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-018/09:30:47.1
2637	M1O	04-018/09:45:27.2		NOTE: Enter Solar Eclipse 9291		04-018/09:34:54.5
2638	M1O	04-018/09:46:53.9		NOTE: Ascending Node Crossing 9291		04-018/09:36:21.1
2639	M1O	04-018/09:59:45.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-018/09:49:12.4
2640	M1O	04-018/09:59:46.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-018/09:49:13.5
2641	M1O	04-018/09:59:56.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-018/09:49:23.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2642	M1O	04-018/09:59:57.4		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	04-018/09:49:24.5
2643	M1O	04-018/10:03:51.1		NOTE: Exit Solar Eclipse 9291		04-018/09:53:18.2
2644	M1O	04-018/10:10:56.8		SPAWN, Engine = 65535, Parameters = 3, 00:24:45.648, 1	dpt	04-018/10:00:24.0
2645	M1O	04-018/10:10:58.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/10:00:26.1
2646	M1O	04-018/10:10:58.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2647	M1O	04-018/10:10:59.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/10:00:27.1
2648	M1O	04-018/10:11:58.8		NOTE: ENTER HGA KEEP OUT ZONE		
2649	M1O	04-018/10:11:58.8	43	NOTE: Loss Of X-Band Signal		
2650	M1O	04-018/10:15:00.0	63	Begin Pre-Cal		
2651	M1O	04-018/10:15:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2652	M1O	04-018/10:15:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2653	M1O	04-018/10:15:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2654	M1O	04-018/10:15:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2655	M1O	04-018/10:15:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
2656	M1O	04-018/10:15:00.0	63	Config: RCV: Parms:		
2657	M1O	04-018/10:15:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2658	M1O	04-018/10:15:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
2659	M1O	04-018/10:15:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
2660	M1O	04-018/10:16:32.7		NOTE: Enter Planetary Atmosphere 9291		04-018/10:05:59.9
2661	M1O	04-018/10:16:37.7		NOTE: Apoapsis 9291 -		04-018/10:06:04.8
2662	M1O	04-018/10:16:52.3		NOTE: North Pole Crossing 9291		04-018/10:06:19.4
2663	M1O	04-018/10:18:52.5		NOTE: Enter Earth Occultation 9291		04-018/10:08:19.6
2664	M1O	04-018/10:21:18.8		NOTE: EXIT HGA KEEP OUT ZONE		
2665	M1O	04-018/10:30:44.5		NOTE: Exit Earth Occultation 9291		04-018/10:20:11.6
2666	M1O	04-018/10:30:44.5	43	Acquisition Of X-Band Signal		
2667	M1O	04-018/10:30:44.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2668	M1O	04-018/10:33:05.6		NOTE: Exit Planetary Atmosphere 9291		04-018/10:22:32.7
2669	M1O	04-018/10:35:44.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/10:25:11.7
2670	M1O	04-018/10:35:44.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2671	M1O	04-018/10:35:45.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/10:25:12.7
2672	M1O	04-018/10:46:50.2		NOTE: Descending Node Crossing 9292		04-018/10:36:17.2
2673	M1O	04-018/11:15:50.3		NOTE: Periapsis 9292 ----------		04-018/11:05:17.2
2674	M1O	04-018/11:16:06.8		NOTE: South Pole Crossing 9292		04-018/11:05:33.7
2675	M1O	04-018/11:43:58.3		NOTE: Enter Solar Eclipse 9292		04-018/11:33:25.2
2676	M1O	04-018/11:45:24.1		NOTE: Ascending Node Crossing 9292		04-018/11:34:50.9
2677	M1O	04-018/12:00:00.0	63	Begin Tracking		
2678	M1O	04-018/12:00:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2679	M1O	04-018/12:02:16.9		NOTE: Exit Solar Eclipse 9292		04-018/11:51:43.7
2680	M1O	04-018/12:05:00.0	43	End Tracking		
2681	M1O	04-018/12:06:32.0	63	NOTE: Above Uplink Interlock Limit		
2682	M1O	04-018/12:09:07.1		SPAWN, Engine = 65535, Parameters = 3, 00:24:59.829, 1	dpt	04-018/11:58:33.8
2683	M1O	04-018/12:09:09.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/11:58:35.9
2684	M1O	04-018/12:09:09.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2685	M1O	04-018/12:09:10.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/11:58:36.9
2686	M1O	04-018/12:10:10.2		NOTE: ENTER HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2687	M1O	04-018/12:10:10.2	63	NOTE: Loss Of X-Band Signal		
2688	M1O	04-018/12:14:56.3		NOTE: Apoapsis 9292 -		04-018/12:04:23.0
2689	M1O	04-018/12:15:10.9		NOTE: Enter Planetary Atmosphere 9292		04-018/12:04:37.6
2690	M1O	04-018/12:15:23.7		NOTE: North Pole Crossing 9292		04-018/12:04:50.4
2691	M1O	04-018/12:17:33.0		NOTE: Enter Earth Occultation 9292		04-018/12:06:59.7
2692	M1O	04-018/12:19:50.2		NOTE: EXIT HGA KEEP OUT ZONE		
2693	M1O	04-018/12:20:00.0	43	End Post-Cal		
2694	M1O	04-018/12:29:08.9		NOTE: Exit Earth Occultation 9292		04-018/12:18:35.6
2695	M1O	04-018/12:29:08.9	63	Acquisition Of X-Band Signal		
2696	M1O	04-018/12:29:08.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2697	M1O	04-018/12:31:32.5		NOTE: Exit Planetary Atmosphere 9292		04-018/12:20:59.2
2698	M1O	04-018/12:34:09.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/12:23:35.7
2699	M1O	04-018/12:34:09.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2700	M1O	04-018/12:34:10.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/12:23:36.7
2701	M1O	04-018/12:45:22.5		NOTE: Descending Node Crossing 9293		04-018/12:34:49.1
2702	M1O	04-018/13:14:04.9		NOTE: Periapsis 9293 ----------		04-018/13:03:31.5
2703	M1O	04-018/13:14:39.5		NOTE: South Pole Crossing 9293		04-018/13:04:06.0
2704	M1O	04-018/13:42:34.9		NOTE: Enter Solar Eclipse 9293		04-018/13:32:01.4
2705	M1O	04-018/13:43:57.9		NOTE: Ascending Node Crossing 9293		04-018/13:33:24.4
2706	M1O	04-018/14:00:44.8		NOTE: Exit Solar Eclipse 9293		04-018/13:50:11.2
2707	M1O	04-018/14:08:00.6		SPAWN, Engine = 65535, Parameters = 3, 00:24:32.106, 1	dpt	04-018/13:57:27.0
2708	M1O	04-018/14:08:02.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/13:57:29.1
2709	M1O	04-018/14:08:02.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2710	M1O	04-018/14:08:03.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/13:57:30.1
2711	M1O	04-018/14:09:02.6		NOTE: ENTER HGA KEEP OUT ZONE		
2712	M1O	04-018/14:09:02.6	63	NOTE: Loss Of X-Band Signal		
2713	M1O	04-018/14:13:17.9		NOTE: Apoapsis 9293 -		04-018/14:02:44.3
2714	M1O	04-018/14:13:53.5		NOTE: Enter Planetary Atmosphere 9293		04-018/14:03:19.8
2715	M1O	04-018/14:13:58.2		NOTE: North Pole Crossing 9293		04-018/14:03:24.6
2716	M1O	04-018/14:16:18.6		NOTE: Enter Earth Occultation 9293		04-018/14:05:44.9
2717	M1O	04-018/14:18:22.6		NOTE: EXIT HGA KEEP OUT ZONE		
2718	M1O	04-018/14:27:34.7		NOTE: Exit Earth Occultation 9293		04-018/14:17:01.1
2719	M1O	04-018/14:27:34.7	63	Acquisition Of X-Band Signal		
2720	M1O	04-018/14:27:34.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2721	M1O	04-018/14:30:01.3		NOTE: Exit Planetary Atmosphere 9293		04-018/14:19:27.6
2722	M1O	04-018/14:32:34.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/14:22:01.2
2723	M1O	04-018/14:32:34.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2724	M1O	04-018/14:32:35.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/14:22:02.2
2725	M1O	04-018/14:38:32.7		SPAWN, Engine = 65535, Parameters = 018, 03, TRUE, 00:17:23, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-018/14:27:59.0
2726	M1O	04-018/14:38:33.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/14:27:59.5
2727	M1O	04-018/14:38:33.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2728	M1O	04-018/14:38:33.8		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	04-018/14:28:00.1
2729	M1O	04-018/14:38:35.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-018/14:28:02.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2730	M1O	04-018/14:38:36.1		CALL, Engine = , Parameters = 018, 03, 254	bld_autosw	04-018/14:28:02.4
2731	M1O	04-018/14:38:37.2		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-018/14:28:03.5
2732	M1O	04-018/14:38:38.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:04.6
2733	M1O	04-018/14:38:39.3		Deletes the designated file.: d:/dat/254_doy018_pass03_file01.dat	FILE_DELETE	04-018/14:28:05.6
2734	M1O	04-018/14:38:40.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:06.7
2735	M1O	04-018/14:38:41.4		Deletes the designated file.: d:/dat/254_doy018_pass03_file02.dat	FILE_DELETE	04-018/14:28:07.7
2736	M1O	04-018/14:38:42.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:08.8
2737	M1O	04-018/14:38:43.5		Deletes the designated file.: d:/dat/254_doy018_pass03_file03.dat	FILE_DELETE	04-018/14:28:09.8
2738	M1O	04-018/14:38:44.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:10.9
2739	M1O	04-018/14:38:45.6		Deletes the designated file.: d:/dat/254_doy018_pass03_file04.dat	FILE_DELETE	04-018/14:28:11.9
2740	M1O	04-018/14:38:46.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:13.0
2741	M1O	04-018/14:38:47.7		Deletes the designated file.: d:/dat/254_doy018_pass03_file05.dat	FILE_DELETE	04-018/14:28:14.0
2742	M1O	04-018/14:38:48.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:15.1
2743	M1O	04-018/14:38:49.8		Deletes the designated file.: d:/dat/254_doy018_pass03_file06.dat	FILE_DELETE	04-018/14:28:16.1
2744	M1O	04-018/14:38:50.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:17.2
2745	M1O	04-018/14:38:51.9		Deletes the designated file.: d:/dat/254_doy018_pass03_file07.dat	FILE_DELETE	04-018/14:28:18.2
2746	M1O	04-018/14:38:53.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:19.3
2747	M1O	04-018/14:38:54.0		Deletes the designated file.: d:/dat/254_doy018_pass03_file08.dat	FILE_DELETE	04-018/14:28:20.3
2748	M1O	04-018/14:38:55.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:21.4
2749	M1O	04-018/14:38:56.1		Deletes the designated file.: d:/dat/254_doy018_pass03_file09.dat	FILE_DELETE	04-018/14:28:22.4
2750	M1O	04-018/14:38:57.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:23.5
2751	M1O	04-018/14:38:58.2		Deletes the designated file.: d:/dat/254_doy018_pass03_file10.dat	FILE_DELETE	04-018/14:28:24.5
2752	M1O	04-018/14:38:59.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:25.6
2753	M1O	04-018/14:39:00.3		Deletes the designated file.: d:/dat/254_doy018_pass03_file11.dat	FILE_DELETE	04-018/14:28:26.6
2754	M1O	04-018/14:39:01.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:27.7
2755	M1O	04-018/14:39:02.4		Deletes the designated file.: d:/dat/254_doy018_pass03_file12.dat	FILE_DELETE	04-018/14:28:28.7
2756	M1O	04-018/14:39:03.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:29.8
2757	M1O	04-018/14:39:04.5		Deletes the designated file.: d:/dat/254_doy018_pass03_file13.dat	FILE_DELETE	04-018/14:28:30.8
2758	M1O	04-018/14:39:05.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:31.9
2759	M1O	04-018/14:39:06.6		Deletes the designated file.: d:/dat/254_doy018_pass03_file14.dat	FILE_DELETE	04-018/14:28:32.9
2760	M1O	04-018/14:39:07.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:34.0
2761	M1O	04-018/14:39:08.7		Deletes the designated file.: d:/dat/254_doy018_pass03_file15.dat	FILE_DELETE	04-018/14:28:35.0
2762	M1O	04-018/14:39:09.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:36.1
2763	M1O	04-018/14:39:10.8		Deletes the designated file.: d:/dat/254_doy018_pass03_file16.dat	FILE_DELETE	04-018/14:28:37.1
2764	M1O	04-018/14:39:11.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:38.2
2765	M1O	04-018/14:39:12.9		Deletes the designated file.: d:/dat/254_doy018_pass03_file17.dat	FILE_DELETE	04-018/14:28:39.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2766	M1O	04-018/14:39:14.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:40.3
2767	M1O	04-018/14:39:15.0		Deletes the designated file.: d:/dat/254_doy018_pass03_file18.dat	FILE_DELETE	04-018/14:28:41.3
2768	M1O	04-018/14:39:16.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy018_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-018/14:28:42.4
2769	M1O	04-018/14:39:17.1		Deletes the designated file.: d:/dat/254_doy018_pass03_file19.dat	FILE_DELETE	04-018/14:28:43.4
2770	M1O	04-018/14:39:18.1		CALL, Engine = , Parameters = 254	get_apid	04-018/14:28:44.4
2771	M1O	04-018/14:39:19.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-018/14:28:45.5
2772	M1O	04-018/14:39:19.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-018/14:28:45.7
2773	M1O	04-018/14:39:20.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-018/14:28:46.8
2774	M1O	04-018/14:39:21.8		CALL, Engine = , Parameters = 254	get_coding	04-018/14:28:48.1
2775	M1O	04-018/14:39:23.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-018/14:28:49.3
2776	M1O	04-018/14:39:24.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-018/14:28:50.5
2777	M1O	04-018/14:40:29.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-018/14:29:55.3
2778	M1O	04-018/14:40:30.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-018/14:29:56.3
2779	M1O	04-018/14:40:31.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-018/14:29:57.3
2780	M1O	04-018/14:40:32.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-018/14:29:58.3
2781	M1O	04-018/14:40:33.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-018/14:29:59.3
2782	M1O	04-018/14:40:34.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-018/14:30:00.3
2783	M1O	04-018/14:40:35.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-018/14:30:01.3
2784	M1O	04-018/14:42:25.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/14:31:51.3
2785	M1O	04-018/14:42:35.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-018/14:32:01.3
2786	M1O	04-018/14:43:57.4		NOTE: Descending Node Crossing 9294		04-018/14:33:23.7
2787	M1O	04-018/14:57:56.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-018/14:47:22.3
2788	M1O	04-018/14:57:57.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-018/14:47:23.4
2789	M1O	04-018/14:58:07.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-018/14:47:33.4
2790	M1O	04-018/14:58:08.1		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	04-018/14:47:34.4
2791	M1O	04-018/14:58:09.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-018/14:47:35.4
2792	M1O	04-018/14:58:09.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2793	M1O	04-018/14:58:10.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-018/14:47:36.4
2794	M1O	04-018/15:03:08.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/14:52:35.0
2795	M1O	04-018/15:03:08.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2796	M1O	04-018/15:12:54.5		NOTE: Periapsis 9294 ----------		04-018/15:02:20.7
2797	M1O	04-018/15:13:15.8		NOTE: South Pole Crossing 9294		04-018/15:02:42.0
2798	M1O	04-018/15:30:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2799	M1O	04-018/15:31:48.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2800	M1O	04-018/15:35:00.0	63	Range Modulation On: SUP=3.0dB		
2801	M1O	04-018/15:36:00.0	63	Begin Ranging Acquisition		
2802	M1O	04-018/15:41:12.1		NOTE: Enter Solar Eclipse 9294		04-018/15:30:38.2
2803	M1O	04-018/15:41:48.0	63	Range Modulation Off		
2804	M1O	04-018/15:42:35.1		NOTE: Ascending Node Crossing 9294		04-018/15:32:01.2
2805	M1O	04-018/15:46:48.0	63	X-Band Transmitter Off		
2806	M1O	04-018/15:50:05.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-018/15:39:31.1
2807	M1O	04-018/15:50:07.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/15:39:33.2
2808	M1O	04-018/15:50:07.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2809	M1O	04-018/15:50:08.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/15:39:34.2
2810	M1O	04-018/15:51:07.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2811	M1O	04-018/15:56:07.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/15:45:33.2
2812	M1O	04-018/15:56:07.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2813	M1O	04-018/15:56:08.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/15:45:34.2
2814	M1O	04-018/15:59:20.2		NOTE: Exit Solar Eclipse 9294		04-018/15:48:46.2
2815	M1O	04-018/16:05:31.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2816	M1O	04-018/16:06:53.1		SPAWN, Engine = 65535, Parameters = 3, 00:24:43, 1	dpt	04-018/15:56:19.1
2817	M1O	04-018/16:06:55.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/15:56:21.2
2818	M1O	04-018/16:06:55.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2819	M1O	04-018/16:06:56.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/15:56:22.2
2820	M1O	04-018/16:07:55.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2821	M1O	04-018/16:07:56.9		NOTE: ENTER HGA KEEP OUT ZONE		
2822	M1O	04-018/16:07:56.9	63	NOTE: Loss Of X-Band Signal		
2823	M1O	04-018/16:10:31.0	63	Range Modulation On: SUP=3.0dB		
2824	M1O	04-018/16:11:31.0	63	Begin Ranging Acquisition		
2825	M1O	04-018/16:12:15.9		NOTE: Apoapsis 9294 -		04-018/16:01:41.9
2826	M1O	04-018/16:12:32.1		NOTE: Enter Planetary Atmosphere 9294		04-018/16:01:58.1
2827	M1O	04-018/16:12:34.8		NOTE: North Pole Crossing 9294		04-018/16:02:00.8
2828	M1O	04-018/16:14:58.5		NOTE: Enter Earth Occultation 9294		04-018/16:04:24.4
2829	M1O	04-018/16:16:37.0		NOTE: EXIT HGA KEEP OUT ZONE		
2830	M1O	04-018/16:26:06.9		NOTE: Exit Earth Occultation 9294		04-018/16:15:32.8
2831	M1O	04-018/16:26:06.9	63	Acquisition Of X-Band Signal		
2832	M1O	04-018/16:26:06.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2833	M1O	04-018/16:26:38.9	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2834	M1O	04-018/16:28:34.6		NOTE: Exit Planetary Atmosphere 9294		04-018/16:18:00.5
2835	M1O	04-018/16:31:38.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/16:21:04.2
2836	M1O	04-018/16:31:38.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2837	M1O	04-018/16:31:39.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/16:21:05.2
2838	M1O	04-018/16:36:37.0		SPAWN, Engine = 65535, Parameters = 018, 04, FALSE, 00:16:16.706, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-018/16:26:03.0
2839	M1O	04-018/16:36:38.1		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	04-018/16:26:04.1
2840	M1O	04-018/16:36:40.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-018/16:26:06.1
2841	M1O	04-018/16:37:22.3		CALL, Engine = , Parameters = 254	get_apid	04-018/16:26:48.3
2842	M1O	04-018/16:37:23.4		CALL, Engine = , Parameters = 254	get_rcv_mode	04-018/16:26:49.4
2843	M1O	04-018/16:37:23.6		CALL, Engine = , Parameters = 254	get_dl_rate	04-018/16:26:49.6
2844	M1O	04-018/16:37:24.7		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-018/16:26:50.7
2845	M1O	04-018/16:37:26.0		CALL, Engine = , Parameters = 254	get_coding	04-018/16:26:52.0
2846	M1O	04-018/16:37:27.2		CALL, Engine = , Parameters = 254	get_xmt_mode	04-018/16:26:53.2
2847	M1O	04-018/16:37:28.4		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-018/16:26:54.4
2848	M1O	04-018/16:38:33.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-018/16:27:59.2
2849	M1O	04-018/16:38:34.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-018/16:28:00.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2850	M1O	04-018/16:38:35.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-018/16:28:01.2
2851	M1O	04-018/16:38:36.2		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-018/16:28:02.2
2852	M1O	04-018/16:38:37.2		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-018/16:28:03.2
2853	M1O	04-018/16:38:38.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-018/16:28:04.2
2854	M1O	04-018/16:38:39.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-018/16:28:05.2
2855	M1O	04-018/16:42:34.0		NOTE: Descending Node Crossing 9295		04-018/16:31:59.9
2856	M1O	04-018/16:54:52.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-018/16:44:17.9
2857	M1O	04-018/16:54:53.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-018/16:44:19.0
2858	M1O	04-018/16:55:03.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-018/16:44:29.0
2859	M1O	04-018/16:55:04.1		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	04-018/16:44:30.0
2860	M1O	04-018/17:11:53.1		NOTE: South Pole Crossing 9295		04-018/17:01:18.9
2861	M1O	04-018/17:11:55.6		NOTE: Periapsis 9295 ----------		04-018/17:01:21.4
2862	M1O	04-018/17:30:25.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2863	M1O	04-018/17:39:47.1		NOTE: Enter Solar Eclipse 9295		04-018/17:29:12.9
2864	M1O	04-018/17:40:25.0	63	Range Modulation Off		
2865	M1O	04-018/17:41:12.1		NOTE: Ascending Node Crossing 9295		04-018/17:30:37.8
2866	M1O	04-018/17:45:25.0	63	X-Band Transmitter Off		
2867	M1O	04-018/17:57:57.7		NOTE: Exit Solar Eclipse 9295		04-018/17:47:23.4
2868	M1O	04-018/18:04:05.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2869	M1O	04-018/18:05:29.3		SPAWN, Engine = 65535, Parameters = 3, 00:24:42.279, 1	dpt	04-018/17:54:54.9
2870	M1O	04-018/18:05:31.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/17:54:57.0
2871	M1O	04-018/18:05:31.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2872	M1O	04-018/18:05:32.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/17:54:58.0
2873	M1O	04-018/18:06:33.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2874	M1O	04-018/18:06:34.3		NOTE: ENTER HGA KEEP OUT ZONE		
2875	M1O	04-018/18:06:34.3	63	NOTE: Loss Of X-Band Signal		
2876	M1O	04-018/18:09:05.0	63	Range Modulation On: SUP=3.0dB		
2877	M1O	04-018/18:10:05.0	63	Begin Ranging Acquisition		
2878	M1O	04-018/18:11:08.2		NOTE: Enter Planetary Atmosphere 9295		04-018/18:00:33.8
2879	M1O	04-018/18:11:11.5		NOTE: North Pole Crossing 9295		04-018/18:00:37.1
2880	M1O	04-018/18:11:18.6		NOTE: Apoapsis 9295 -		04-018/18:00:44.2
2881	M1O	04-018/18:13:34.8		NOTE: Enter Earth Occultation 9295		04-018/18:03:00.4
2882	M1O	04-018/18:15:14.3		NOTE: EXIT HGA KEEP OUT ZONE		
2883	M1O	04-018/18:24:42.1		NOTE: Exit Earth Occultation 9295		04-018/18:14:07.7
2884	M1O	04-018/18:24:42.1	63	Acquisition Of X-Band Signal		
2885	M1O	04-018/18:24:42.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2886	M1O	04-018/18:25:13.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2887	M1O	04-018/18:27:10.0		NOTE: Exit Planetary Atmosphere 9295		04-018/18:16:35.6
2888	M1O	04-018/18:30:13.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/18:19:39.3
2889	M1O	04-018/18:30:13.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2890	M1O	04-018/18:30:14.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/18:19:40.3
2891	M1O	04-018/18:41:11.0		NOTE: Descending Node Crossing 9296		04-018/18:30:36.5
2892	M1O	04-018/18:55:00.0	14	Begin Pre-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2893	M1O	04-018/18:55:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2894	M1O	04-018/18:55:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2895	M1O	04-018/18:55:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2896	M1O	04-018/18:55:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2897	M1O	04-018/18:55:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
2898	M1O	04-018/18:55:00.0	14	Config: RCV: Parms:		
2899	M1O	04-018/18:55:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2900	M1O	04-018/18:55:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
2901	M1O	04-018/18:55:00.0	14	Config: TXL		
2902	M1O	04-018/18:55:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2903	M1O	04-018/18:55:00.0	14	Config: CMD		
2904	M1O	04-018/18:55:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2905	M1O	04-018/19:10:29.4		NOTE: South Pole Crossing 9296		04-018/18:59:54.8
2906	M1O	04-018/19:10:45.1		NOTE: Periapsis 9296 ----------		04-018/19:00:10.5
2907	M1O	04-018/19:29:00.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2908	M1O	04-018/19:38:19.8		NOTE: Enter Solar Eclipse 9296		04-018/19:27:45.1
2909	M1O	04-018/19:39:00.0	63	Range Modulation Off		
2910	M1O	04-018/19:39:47.3		NOTE: Ascending Node Crossing 9296		04-018/19:29:12.6
2911	M1O	04-018/19:44:00.0	63	X-Band Transmitter Off		
2912	M1O	04-018/19:53:50.5	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
2913	M1O	04-018/19:55:00.0	14	Begin Tracking		
2914	M1O	04-018/19:55:00.0	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		
2915	M1O	04-018/19:56:35.0		NOTE: Exit Solar Eclipse 9296		04-018/19:46:00.3
2916	M1O	04-018/20:02:43.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2917	M1O	04-018/20:04:07.0		SPAWN, Engine = 65535, Parameters = 3, 00:24:43, 1	dpt	04-018/19:53:32.2
2918	M1O	04-018/20:04:09.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/19:53:34.3
2919	M1O	04-018/20:04:09.1	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		
2920	M1O	04-018/20:04:09.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2921	M1O	04-018/20:04:10.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/19:53:35.3
2922	M1O	04-018/20:05:09.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2923	M1O	04-018/20:05:09.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2924	M1O	04-018/20:05:10.7		NOTE: ENTER HGA KEEP OUT ZONE		
2925	M1O	04-018/20:05:10.7	14	NOTE: Loss Of X-Band Signal		
2926	M1O	04-018/20:05:10.7	63	NOTE: Loss Of X-Band Signal		
2927	M1O	04-018/20:07:43.0	14	Range Modulation On: SUP=3.0dB		
2928	M1O	04-018/20:08:43.0	14	Begin Ranging Acquisition		
2929	M1O	04-018/20:09:39.3		NOTE: Enter Planetary Atmosphere 9296		04-018/19:59:04.5
2930	M1O	04-018/20:09:46.5		NOTE: North Pole Crossing 9296		04-018/19:59:11.7
2931	M1O	04-018/20:09:55.2		NOTE: Apoapsis 9296 -		04-018/19:59:20.4
2932	M1O	04-018/20:12:04.5		NOTE: Enter Earth Occultation 9296		04-018/20:01:29.7
2933	M1O	04-018/20:13:50.7		NOTE: EXIT HGA KEEP OUT ZONE		
2934	M1O	04-018/20:15:00.0	63	End Tracking		
2935	M1O	04-018/20:23:20.7		NOTE: Exit Earth Occultation 9296		04-018/20:12:45.9
2936	M1O	04-018/20:23:20.7	14	Acquisition Of X-Band Signal		
2937	M1O	04-018/20:23:20.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2938	M1O	04-018/20:23:52.4	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2939	M1O	04-018/20:25:33.8		SPAWN, Engine = 65535, Parameters = 018, 03, FALSE, 00:17:18.556, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-018/20:14:59.0
2940	M1O	04-018/20:25:34.9		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	04-018/20:15:00.1
2941	M1O	04-018/20:25:36.9		CALL, Engine = , Parameters = 56	get_cmd_opt	04-018/20:15:02.1
2942	M1O	04-018/20:25:47.4		NOTE: Exit Planetary Atmosphere 9296		04-018/20:15:12.5
2943	M1O	04-018/20:26:19.1		CALL, Engine = , Parameters = 56	get_apid	04-018/20:15:44.3
2944	M1O	04-018/20:26:20.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-018/20:15:45.4
2945	M1O	04-018/20:26:20.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-018/20:15:45.6
2946	M1O	04-018/20:26:21.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-018/20:15:46.7
2947	M1O	04-018/20:26:22.7		CALL, Engine = , Parameters = 56	get_coding	04-018/20:15:47.9
2948	M1O	04-018/20:26:23.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-018/20:15:49.1
2949	M1O	04-018/20:26:25.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-018/20:15:50.3
2950	M1O	04-018/20:27:29.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-018/20:16:55.1
2951	M1O	04-018/20:27:30.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-018/20:16:56.1
2952	M1O	04-018/20:27:31.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-018/20:16:57.1
2953	M1O	04-018/20:27:32.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-018/20:16:58.1
2954	M1O	04-018/20:27:33.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-018/20:16:59.1
2955	M1O	04-018/20:27:34.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-018/20:17:00.1
2956	M1O	04-018/20:27:35.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-018/20:17:01.1
2957	M1O	04-018/20:28:52.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/20:18:17.3
2958	M1O	04-018/20:28:52.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2959	M1O	04-018/20:28:53.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/20:18:18.3
2960	M1O	04-018/20:30:00.0	63	End Post-Cal		
2961	M1O	04-018/20:39:45.7		NOTE: Descending Node Crossing 9297		04-018/20:29:10.9
2962	M1O	04-018/20:44:50.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-018/20:34:15.6
2963	M1O	04-018/20:44:51.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-018/20:34:16.7
2964	M1O	04-018/20:45:01.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-018/20:34:26.7
2965	M1O	04-018/20:45:02.6		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	04-018/20:34:27.7
2966	M1O	04-018/21:09:02.9		NOTE: South Pole Crossing 9297		04-018/20:58:27.9
2967	M1O	04-018/21:09:06.9		NOTE: Periapsis 9297 ----------		04-018/20:58:31.9
2968	M1O	04-018/21:27:15.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
2969	M1O	04-018/21:36:51.6		NOTE: Enter Solar Eclipse 9297		04-018/21:26:16.6
2970	M1O	04-018/21:37:15.0	14	Range Modulation Off		
2971	M1O	04-018/21:38:19.9		NOTE: Ascending Node Crossing 9297		04-018/21:27:44.9
2972	M1O	04-018/21:42:15.0	14	X-Band Transmitter Off		
2973	M1O	04-018/21:55:09.5		NOTE: Exit Solar Eclipse 9297		04-018/21:44:34.4
2974	M1O	04-018/22:01:20.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2975	M1O	04-018/22:02:22.3		SPAWN, Engine = 65535, Parameters = 3, 00:25:05, 1	dpt	04-018/21:51:47.2
2976	M1O	04-018/22:02:24.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/21:51:49.3
2977	M1O	04-018/22:02:24.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2978	M1O	04-018/22:02:25.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/21:51:50.3
2979	M1O	04-018/22:03:25.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2980	M1O	04-018/22:03:26.1		NOTE: ENTER HGA KEEP OUT ZONE		
2981	M1O	04-018/22:03:26.1	14	NOTE: Loss Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2982	M1O	04-018/22:06:20.0	14	Range Modulation On: SUP=3.0dB		
2983	M1O	04-018/22:07:20.0	14	Begin Ranging Acquisition		
2984	M1O	04-018/22:08:06.8		NOTE: Enter Planetary Atmosphere 9297		04-018/21:57:31.7
2985	M1O	04-018/22:08:07.2		NOTE: Apoapsis 9297 -		04-018/21:57:32.1
2986	M1O	04-018/22:08:18.8		NOTE: North Pole Crossing 9297		04-018/21:57:43.7
2987	M1O	04-018/22:10:30.4		NOTE: Enter Earth Occultation 9297		04-018/21:59:55.3
2988	M1O	04-018/22:12:26.1		NOTE: EXIT HGA KEEP OUT ZONE		
2989	M1O	04-018/22:21:57.7		NOTE: Exit Earth Occultation 9297		04-018/22:11:22.5
2990	M1O	04-018/22:21:57.7	14	Acquisition Of X-Band Signal		
2991	M1O	04-018/22:21:57.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2992	M1O	04-018/22:22:30.2	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2993	M1O	04-018/22:23:00.1		SPAWN, Engine = 65535, Parameters = 018, 04, FALSE, 00:17:04.158, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-018/22:12:25.0
2994	M1O	04-018/22:23:01.2		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	04-018/22:12:26.1
2995	M1O	04-018/22:23:03.2		CALL, Engine = , Parameters = 56	get_cmd_opt	04-018/22:12:28.1
2996	M1O	04-018/22:23:45.4		CALL, Engine = , Parameters = 56	get_apid	04-018/22:13:10.3
2997	M1O	04-018/22:23:46.5		CALL, Engine = , Parameters = 56	get_rcv_mode	04-018/22:13:11.4
2998	M1O	04-018/22:23:46.7		CALL, Engine = , Parameters = 56	get_dl_rate	04-018/22:13:11.6
2999	M1O	04-018/22:23:47.8		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-018/22:13:12.7
3000	M1O	04-018/22:23:49.0		CALL, Engine = , Parameters = 56	get_coding	04-018/22:13:13.9
3001	M1O	04-018/22:23:50.2		CALL, Engine = , Parameters = 56	get_xmt_mode	04-018/22:13:15.1
3002	M1O	04-018/22:23:51.4		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-018/22:13:16.3
3003	M1O	04-018/22:24:22.7		NOTE: Exit Planetary Atmosphere 9297		04-018/22:13:47.5
3004	M1O	04-018/22:24:56.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-018/22:14:21.1
3005	M1O	04-018/22:24:57.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-018/22:14:22.1
3006	M1O	04-018/22:24:58.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-018/22:14:23.1
3007	M1O	04-018/22:24:59.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-018/22:14:24.1
3008	M1O	04-018/22:25:00.2		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-018/22:14:25.1
3009	M1O	04-018/22:25:01.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-018/22:14:26.1
3010	M1O	04-018/22:25:02.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-018/22:14:27.1
3011	M1O	04-018/22:27:29.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-018/22:16:54.3
3012	M1O	04-018/22:27:29.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3013	M1O	04-018/22:27:30.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-018/22:16:55.3
3014	M1O	04-018/22:38:17.2		NOTE: Descending Node Crossing 9298		04-018/22:27:42.0
3015	M1O	04-018/22:42:02.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-018/22:31:27.2
3016	M1O	04-018/22:42:03.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-018/22:31:28.3
3017	M1O	04-018/22:42:13.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-018/22:31:38.3
3018	M1O	04-018/22:42:14.6		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	04-018/22:31:39.3
3019	M1O	04-018/23:07:20.0		NOTE: Periapsis 9298 ----------		04-018/22:56:44.7
3020	M1O	04-018/23:07:34.1		NOTE: South Pole Crossing 9298		04-018/22:56:58.8
3021	M1O	04-018/23:25:46.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
3022	M1O	04-018/23:35:24.5		NOTE: Enter Solar Eclipse 9298		04-018/23:24:49.1
3023	M1O	04-018/23:35:46.0	14	Range Modulation Off		
3024	M1O	04-018/23:36:51.6		NOTE: Ascending Node Crossing 9298		04-018/23:26:16.2
3025	M1O	04-018/23:40:46.0	14	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3026	M1O	04-018/23:53:40.0		NOTE: Exit Solar Eclipse 9298		04-018/23:43:04.5
3027	M1O	04-018/23:59:47.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3028	M1O	04-019/00:00:00.0		Light Time: OWLT = 10:35, RTLT = 21:11		
3029	M1O	04-019/00:00:52.6		SPAWN, Engine = 65535, Parameters = 3, 00:25:01, 1	dpt	04-018/23:50:17.1
3030	M1O	04-019/00:00:54.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-018/23:50:19.2
3031	M1O	04-019/00:00:54.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3032	M1O	04-019/00:00:55.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-018/23:50:20.2
3033	M1O	04-019/00:01:56.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3034	M1O	04-019/00:01:57.4		NOTE: ENTER HGA KEEP OUT ZONE		
3035	M1O	04-019/00:01:57.4	14	NOTE: Loss Of X-Band Signal		
3036	M1O	04-019/00:04:47.0	14	Range Modulation On: SUP=3.0dB		
3037	M1O	04-019/00:05:47.0	14	Begin Ranging Acquisition		
3038	M1O	04-019/00:06:38.4		NOTE: Apoapsis 9298 -		04-018/23:56:02.9
3039	M1O	04-019/00:06:39.6		NOTE: Enter Planetary Atmosphere 9298		04-018/23:56:04.0
3040	M1O	04-019/00:06:50.1		NOTE: North Pole Crossing 9298		04-018/23:56:14.6
3041	M1O	04-019/00:09:04.2		NOTE: Enter Earth Occultation 9298		04-018/23:58:28.7
3042	M1O	04-019/00:10:57.5		NOTE: EXIT HGA KEEP OUT ZONE		
3043	M1O	04-019/00:20:25.4		NOTE: Exit Earth Occultation 9298		04-019/00:09:49.9
3044	M1O	04-019/00:20:25.4	14	Acquisition Of X-Band Signal		
3045	M1O	04-019/00:20:25.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3046	M1O	04-019/00:20:57.9	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3047	M1O	04-019/00:22:51.4		NOTE: Exit Planetary Atmosphere 9298		04-019/00:12:15.8
3048	M1O	04-019/00:25:55.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/00:15:20.2
3049	M1O	04-019/00:25:55.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3050	M1O	04-019/00:25:56.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/00:15:21.2
3051	M1O	04-019/00:36:48.2		NOTE: Descending Node Crossing 9299		04-019/00:26:12.6
3052	M1O	04-019/01:05:49.5		NOTE: Periapsis 9299 ----------		04-019/00:55:13.8
3053	M1O	04-019/01:06:05.9		NOTE: South Pole Crossing 9299		04-019/00:55:30.2
3054	M1O	04-019/01:24:35.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
3055	M1O	04-019/01:33:58.5		NOTE: Enter Solar Eclipse 9299		04-019/01:23:22.7
3056	M1O	04-019/01:34:35.0	14	Range Modulation Off		
3057	M1O	04-019/01:35:24.5		NOTE: Ascending Node Crossing 9299		04-019/01:24:48.7
3058	M1O	04-019/01:39:35.0	14	X-Band Transmitter Off		
3059	M1O	04-019/01:52:06.9		NOTE: Exit Solar Eclipse 9299		04-019/01:41:31.1
3060	M1O	04-019/01:58:07.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3061	M1O	04-019/01:59:44.2		SPAWN, Engine = 65535, Parameters = 3, 00:24:32, 1	dpt	04-019/01:49:08.3
3062	M1O	04-019/01:59:46.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/01:49:10.4
3063	M1O	04-019/01:59:46.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3064	M1O	04-019/01:59:47.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/01:49:11.4
3065	M1O	04-019/02:00:46.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3066	M1O	04-019/02:00:47.8		NOTE: ENTER HGA KEEP OUT ZONE		
3067	M1O	04-019/02:00:47.8	14	NOTE: Loss Of X-Band Signal		
3068	M1O	04-019/02:03:07.0	14	Range Modulation On: SUP=3.0dB		
3069	M1O	04-019/02:04:07.0	14	Begin Ranging Acquisition		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3070	M1O	04-019/02:05:21.0		NOTE: Apoapsis 9299 -		04-019/01:54:45.1
3071	M1O	04-019/02:05:24.3		NOTE: North Pole Crossing 9299		04-019/01:54:48.4
3072	M1O	04-019/02:05:24.4		NOTE: Enter Planetary Atmosphere 9299		04-019/01:54:48.5
3073	M1O	04-019/02:07:53.4		NOTE: Enter Earth Occultation 9299		04-019/01:57:17.5
3074	M1O	04-019/02:09:27.9		NOTE: EXIT HGA KEEP OUT ZONE		
3075	M1O	04-019/02:18:47.0		NOTE: Exit Earth Occultation 9299		04-019/02:08:11.0
3076	M1O	04-019/02:18:47.0	14	Acquisition Of X-Band Signal		
3077	M1O	04-019/02:18:47.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3078	M1O	04-019/02:19:18.7	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3079	M1O	04-019/02:21:17.3		NOTE: Exit Planetary Atmosphere 9299		04-019/02:10:41.3
3080	M1O	04-019/02:24:18.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/02:13:42.4
3081	M1O	04-019/02:24:18.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3082	M1O	04-019/02:24:19.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/02:13:43.4
3083	M1O	04-019/02:35:23.7		NOTE: Descending Node Crossing 9300		04-019/02:24:47.7
3084	M1O	04-019/03:04:32.9		NOTE: Periapsis 9300 ----------		04-019/02:53:56.8
3085	M1O	04-019/03:04:41.5		NOTE: South Pole Crossing 9300		04-019/02:54:05.4
3086	M1O	04-019/03:18:24.1		SPAWN, Engine = 65535, Parameters = 019, 01, TRUE, 00:18:26, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-019/03:07:48.0
3087	M1O	04-019/03:18:24.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/03:07:48.5
3088	M1O	04-019/03:18:24.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3089	M1O	04-019/03:18:25.2		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	04-019/03:07:49.1
3090	M1O	04-019/03:18:27.2		CALL, Engine = , Parameters = 254	get_cmd_opt	04-019/03:07:51.1
3091	M1O	04-019/03:18:27.5		CALL, Engine = , Parameters = 019, 01, 254	bld_autosw	04-019/03:07:51.4
3092	M1O	04-019/03:18:28.6		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-019/03:07:52.5
3093	M1O	04-019/03:18:29.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:07:53.6
3094	M1O	04-019/03:18:30.7		Deletes the designated file.: d:/dat/254_doy019_pass01_file01.dat	FILE_DELETE	04-019/03:07:54.6
3095	M1O	04-019/03:18:31.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:07:55.7
3096	M1O	04-019/03:18:32.8		Deletes the designated file.: d:/dat/254_doy019_pass01_file02.dat	FILE_DELETE	04-019/03:07:56.7
3097	M1O	04-019/03:18:33.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:07:57.8
3098	M1O	04-019/03:18:34.9		Deletes the designated file.: d:/dat/254_doy019_pass01_file03.dat	FILE_DELETE	04-019/03:07:58.8
3099	M1O	04-019/03:18:36.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:07:59.9
3100	M1O	04-019/03:18:37.0		Deletes the designated file.: d:/dat/254_doy019_pass01_file04.dat	FILE_DELETE	04-019/03:08:00.9
3101	M1O	04-019/03:18:38.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:02.0
3102	M1O	04-019/03:18:39.1		Deletes the designated file.: d:/dat/254_doy019_pass01_file05.dat	FILE_DELETE	04-019/03:08:03.0
3103	M1O	04-019/03:18:40.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:04.1
3104	M1O	04-019/03:18:41.2		Deletes the designated file.: d:/dat/254_doy019_pass01_file06.dat	FILE_DELETE	04-019/03:08:05.1
3105	M1O	04-019/03:18:42.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:06.2
3106	M1O	04-019/03:18:43.3		Deletes the designated file.: d:/dat/254_doy019_pass01_file07.dat	FILE_DELETE	04-019/03:08:07.2
3107	M1O	04-019/03:18:44.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:08.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3108	M1O	04-019/03:18:45.4		Deletes the designated file.: d:/dat/254_doy019_pass01_file08.dat	FILE_DELETE	04-019/03:08:09.3
3109	M1O	04-019/03:18:46.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:10.4
3110	M1O	04-019/03:18:47.5		Deletes the designated file.: d:/dat/254_doy019_pass01_file09.dat	FILE_DELETE	04-019/03:08:11.4
3111	M1O	04-019/03:18:48.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:12.5
3112	M1O	04-019/03:18:49.6		Deletes the designated file.: d:/dat/254_doy019_pass01_file10.dat	FILE_DELETE	04-019/03:08:13.5
3113	M1O	04-019/03:18:50.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:14.6
3114	M1O	04-019/03:18:51.7		Deletes the designated file.: d:/dat/254_doy019_pass01_file11.dat	FILE_DELETE	04-019/03:08:15.6
3115	M1O	04-019/03:18:52.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:16.7
3116	M1O	04-019/03:18:53.8		Deletes the designated file.: d:/dat/254_doy019_pass01_file12.dat	FILE_DELETE	04-019/03:08:17.7
3117	M1O	04-019/03:18:54.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:18.8
3118	M1O	04-019/03:18:55.9		Deletes the designated file.: d:/dat/254_doy019_pass01_file13.dat	FILE_DELETE	04-019/03:08:19.8
3119	M1O	04-019/03:18:57.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:20.9
3120	M1O	04-019/03:18:58.0		Deletes the designated file.: d:/dat/254_doy019_pass01_file14.dat	FILE_DELETE	04-019/03:08:21.9
3121	M1O	04-019/03:18:59.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:23.0
3122	M1O	04-019/03:19:00.1		Deletes the designated file.: d:/dat/254_doy019_pass01_file15.dat	FILE_DELETE	04-019/03:08:24.0
3123	M1O	04-019/03:19:01.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:25.1
3124	M1O	04-019/03:19:02.2		Deletes the designated file.: d:/dat/254_doy019_pass01_file16.dat	FILE_DELETE	04-019/03:08:26.1
3125	M1O	04-019/03:19:03.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:27.2
3126	M1O	04-019/03:19:04.3		Deletes the designated file.: d:/dat/254_doy019_pass01_file17.dat	FILE_DELETE	04-019/03:08:28.2
3127	M1O	04-019/03:19:05.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:29.3
3128	M1O	04-019/03:19:06.4		Deletes the designated file.: d:/dat/254_doy019_pass01_file18.dat	FILE_DELETE	04-019/03:08:30.3
3129	M1O	04-019/03:19:07.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/03:08:31.4
3130	M1O	04-019/03:19:08.5		Deletes the designated file.: d:/dat/254_doy019_pass01_file19.dat	FILE_DELETE	04-019/03:08:32.4
3131	M1O	04-019/03:19:09.5		CALL, Engine = , Parameters = 254	get_apid	04-019/03:08:33.4
3132	M1O	04-019/03:19:10.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-019/03:08:34.5
3133	M1O	04-019/03:19:10.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-019/03:08:34.7
3134	M1O	04-019/03:19:11.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-019/03:08:35.8
3135	M1O	04-019/03:19:13.2		CALL, Engine = , Parameters = 254	get_coding	04-019/03:08:37.1
3136	M1O	04-019/03:19:14.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-019/03:08:38.3
3137	M1O	04-019/03:19:15.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-019/03:08:39.5
3138	M1O	04-019/03:20:20.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-019/03:09:44.3
3139	M1O	04-019/03:20:21.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-019/03:09:45.3
3140	M1O	04-019/03:20:22.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-019/03:09:46.3
3141	M1O	04-019/03:20:23.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-019/03:09:47.3
3142	M1O	04-019/03:20:24.4		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-019/03:09:48.3
3143	M1O	04-019/03:20:25.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-019/03:09:49.3
3144	M1O	04-019/03:20:26.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-019/03:09:50.3
3145	M1O	04-019/03:22:16.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/03:11:40.3
3146	M1O	04-019/03:22:26.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-019/03:11:50.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3147	M1O	04-019/03:23:30.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
3148	M1O	04-019/03:32:33.3		NOTE: Enter Solar Eclipse 9300		04-019/03:21:57.2
3149	M1O	04-019/03:33:30.0	14	Range Modulation Off		
3150	M1O	04-019/03:33:59.9		NOTE: Ascending Node Crossing 9300		04-019/03:23:23.7
3151	M1O	04-019/03:38:30.0	14	X-Band Transmitter Off		
3152	M1O	04-019/03:38:50.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-019/03:28:14.3
3153	M1O	04-019/03:38:51.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-019/03:28:15.4
3154	M1O	04-019/03:39:01.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-019/03:28:25.4
3155	M1O	04-019/03:39:02.5		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	04-019/03:28:26.4
3156	M1O	04-019/03:39:03.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-019/03:28:27.4
3157	M1O	04-019/03:39:03.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3158	M1O	04-019/03:39:04.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-019/03:28:28.4
3159	M1O	04-019/03:44:03.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/03:33:27.0
3160	M1O	04-019/03:44:03.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3161	M1O	04-019/03:50:38.1		NOTE: Exit Solar Eclipse 9300		04-019/03:40:01.8
3162	M1O	04-019/03:56:36.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3163	M1O	04-019/03:58:39.6		SPAWN, Engine = 65535, Parameters = 3, 00:24:06, 1	dpt	04-019/03:48:03.3
3164	M1O	04-019/03:58:41.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/03:48:05.4
3165	M1O	04-019/03:58:41.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3166	M1O	04-019/03:58:42.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/03:48:06.4
3167	M1O	04-019/03:59:42.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3168	M1O	04-019/03:59:43.2		NOTE: ENTER HGA KEEP OUT ZONE		
3169	M1O	04-019/03:59:43.2	14	NOTE: Loss Of X-Band Signal		
3170	M1O	04-019/04:01:36.0	14	Range Modulation On: SUP=3.0dB		
3171	M1O	04-019/04:02:36.0	14	Begin Ranging Acquisition		
3172	M1O	04-019/04:03:55.2		NOTE: Apoapsis 9300 -		04-019/03:53:19.0
3173	M1O	04-019/04:04:00.6		NOTE: North Pole Crossing 9300		04-019/03:53:24.3
3174	M1O	04-019/04:04:07.6		NOTE: Enter Planetary Atmosphere 9300		04-019/03:53:31.3
3175	M1O	04-019/04:06:39.3		NOTE: Enter Earth Occultation 9300		04-019/03:56:03.0
3176	M1O	04-019/04:07:43.2		NOTE: EXIT HGA KEEP OUT ZONE		
3177	M1O	04-019/04:17:15.9		NOTE: Exit Earth Occultation 9300		04-019/04:06:39.6
3178	M1O	04-019/04:17:15.9	14	Acquisition Of X-Band Signal		
3179	M1O	04-019/04:17:15.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3180	M1O	04-019/04:17:48.4	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3181	M1O	04-019/04:19:49.0		NOTE: Exit Planetary Atmosphere 9300		04-019/04:09:12.7
3182	M1O	04-019/04:20:26.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
3183	M1O	04-019/04:22:47.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/04:12:11.4
3184	M1O	04-019/04:22:47.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3185	M1O	04-019/04:22:48.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/04:12:12.4
3186	M1O	04-019/04:30:26.0	14	Range Modulation Off		
3187	M1O	04-019/04:34:01.0		NOTE: Descending Node Crossing 9301		04-019/04:23:24.6
3188	M1O	04-019/04:35:26.0	14	X-Band Transmitter Off		
3189	M1O	04-019/04:47:01.4		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-019/04:36:25.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3190	M1O	04-019/04:47:01.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-019/04:36:25.1
3191	M1O	04-019/04:47:02.5		Forces a desaturation of the reaction wheels.	RW_DESAT	04-019/04:36:26.1
3192	M1O	04-019/04:48:27.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-019/04:37:51.0
3193	M1O	04-019/04:48:43.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-017T04:37:51.100, 2004-019T04:37:51.100	PCKTS_RE_TX_TIME	04-019/04:38:06.8
3194	M1O	04-019/04:48:44.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-017T04:37:51.100, 2004-019T04:37:51.100	PCKTS_RE_TX_TIME	04-019/04:38:07.8
3195	M1O	04-019/04:48:45.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-017T04:37:51.100, 2004-019T04:37:51.100	PCKTS_RE_TX_TIME	04-019/04:38:08.8
3196	M1O	04-019/04:48:46.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-017T04:37:51.100, 2004-019T04:37:51.100	PCKTS_RE_TX_TIME	04-019/04:38:09.8
3197	M1O	04-019/04:48:47.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-017T04:37:51.100, 2004-019T04:37:51.100	PCKTS_RE_TX_TIME	04-019/04:38:10.8
3198	M1O	04-019/04:48:48.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-017T04:37:51.100, 2004-019T04:37:51.100	PCKTS_RE_TX_TIME	04-019/04:38:11.8
3199	M1O	04-019/04:48:48.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-019/04:38:11.8
3200	M1O	04-019/04:48:48.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3201	M1O	04-019/04:55:49.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/04:45:12.8
3202	M1O	04-019/04:55:49.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3203	M1O	04-019/04:55:50.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/04:45:13.8
3204	M1O	04-019/04:56:06.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-019/04:45:29.8
3205	M1O	04-019/04:56:06.2	14	D/L RF Warning: SC antenna change - expect signal level variation		
3206	M1O	04-019/04:56:07.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-019/04:45:30.8
3207	M1O	04-019/04:56:38.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3208	M1O	04-019/04:58:32.5		CALL, Engine = , Parameters = FALSE	park_hga	04-019/04:47:56.1
3209	M1O	04-019/04:58:32.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/04:47:56.1
3210	M1O	04-019/04:58:33.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-019/04:47:57.1
3211	M1O	04-019/04:58:34.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-019/04:47:58.1
3212	M1O	04-019/04:58:34.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-019/04:47:58.1
3213	M1O	04-019/04:58:34.5		NOTE: START HGA PARK		
3214	M1O	04-019/04:58:34.5	14	NOTE: Loss Of X-Band Signal		
3215	M1O	04-019/04:58:35.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-019/04:47:59.1
3216	M1O	04-019/04:58:36.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-019/04:48:00.1
3217	M1O	04-019/05:03:06.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-019/04:52:30.1
3218	M1O	04-019/05:03:09.6		NOTE: Periapsis 9301 ----------		04-019/04:52:33.1
3219	M1O	04-019/05:03:18.7		NOTE: South Pole Crossing 9301		04-019/04:52:42.2
3220	M1O	04-019/05:06:36.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-019/04:56:00.1
3221	M1O	04-019/05:06:36.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-019/04:56:00.1
3222	M1O	04-019/05:10:00.0	34	Begin Pre-Cal		
3223	M1O	04-019/05:10:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3224	M1O	04-019/05:10:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3225	M1O	04-019/05:10:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3226	M1O	04-019/05:10:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3227	M1O	04-019/05:10:00.0	34	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
3228	M1O	04-019/05:10:00.0	34	Config: RCV: Parms:		
3229	M1O	04-019/05:10:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3230	M1O	04-019/05:10:00.0	34	Config: TGC: BAND=X, SR=221200.000000		
3231	M1O	04-019/05:10:00.0	34	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3232	M1O	04-019/05:17:41.4		SPAWN, Engine = 65535, Parameters = 019, 02, FALSE, 00:14:19.964, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-019/05:07:05.0
3233	M1O	04-019/05:17:42.5		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	04-019/05:07:06.1
3234	M1O	04-019/05:17:44.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-019/05:07:08.1
3235	M1O	04-019/05:18:26.8		CALL, Engine = , Parameters = 254	get_apid	04-019/05:07:50.3
3236	M1O	04-019/05:18:27.9		CALL, Engine = , Parameters = 254	get_rcv_mode	04-019/05:07:51.4
3237	M1O	04-019/05:18:28.1		CALL, Engine = , Parameters = 254	get_dl_rate	04-019/05:07:51.6
3238	M1O	04-019/05:18:29.2		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-019/05:07:52.7
3239	M1O	04-019/05:18:30.5		CALL, Engine = , Parameters = 254	get_coding	04-019/05:07:54.0
3240	M1O	04-019/05:18:31.7		CALL, Engine = , Parameters = 254	get_xmt_mode	04-019/05:07:55.2
3241	M1O	04-019/05:18:32.9		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-019/05:07:56.4
3242	M1O	04-019/05:19:37.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-019/05:09:01.2
3243	M1O	04-019/05:19:38.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-019/05:09:02.2
3244	M1O	04-019/05:19:39.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-019/05:09:03.2
3245	M1O	04-019/05:19:40.7		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-019/05:09:04.2
3246	M1O	04-019/05:19:41.7		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-019/05:09:05.2
3247	M1O	04-019/05:19:42.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-019/05:09:06.2
3248	M1O	04-019/05:19:43.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-019/05:09:07.2
3249	M1O	04-019/05:31:09.8		NOTE: Enter Solar Eclipse 9301		04-019/05:20:33.2
3250	M1O	04-019/05:32:36.7		NOTE: Ascending Node Crossing 9301		04-019/05:22:00.2
3251	M1O	04-019/05:33:59.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-019/05:23:23.1
3252	M1O	04-019/05:34:00.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-019/05:23:24.2
3253	M1O	04-019/05:34:10.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-019/05:23:34.2
3254	M1O	04-019/05:34:11.8		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	04-019/05:23:35.2
3255	M1O	04-019/05:36:36.5		GV: GV_DESAT_ACTIVE = 1		04-019/05:26:00.0
3256	M1O	04-019/05:36:37.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-019/05:26:01.0
3257	M1O	04-019/05:36:37.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-019/05:26:01.0
3258	M1O	04-019/05:46:36.5		GV: GV_DESAT_ACTIVE = 0		04-019/05:36:00.0
3259	M1O	04-019/05:46:37.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-019/05:36:01.0
3260	M1O	04-019/05:46:38.5		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-019/05:36:02.0
3261	M1O	04-019/05:46:39.5		CALL, Engine = , Parameters =	unpark_hga	04-019/05:36:03.0
3262	M1O	04-019/05:46:39.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-019/05:36:03.0
3263	M1O	04-019/05:46:40.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-019/05:36:04.0
3264	M1O	04-019/05:49:14.0		NOTE: Exit Solar Eclipse 9301		04-019/05:38:37.4
3265	M1O	04-019/05:51:10.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-019/05:40:34.0
3266	M1O	04-019/05:51:11.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-019/05:40:35.0
3267	M1O	04-019/05:54:36.6		SPAWN, Engine = 65535, Parameters = 00:26:22.257	cstr	04-019/05:44:00.0
3268	M1O	04-019/05:54:36.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/05:44:00.1
3269	M1O	04-019/05:54:37.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/05:44:01.1
3270	M1O	04-019/05:54:38.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-019/05:44:02.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3271	M1O	04-019/05:54:39.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-019/05:44:03.1
3272	M1O	04-019/05:54:40.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-019/05:44:04.1
3273	M1O	04-019/05:54:50.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-019/05:44:14.1
3274	M1O	04-019/05:55:00.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-019/05:44:24.1
3275	M1O	04-019/05:55:11.6		NOTE: EXIT HGA PARK		
3276	M1O	04-019/05:55:11.6	14	Acquisition Of X-Band Signal		
3277	M1O	04-019/05:55:11.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3278	M1O	04-019/05:55:13.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3279	M1O	04-019/05:58:20.6		NOTE: ENTER HGA KEEP OUT ZONE		
3280	M1O	04-019/05:58:20.6	14	NOTE: Loss Of X-Band Signal		
3281	M1O	04-019/06:00:13.0	14	Range Modulation On: SUP=3.0dB		
3282	M1O	04-019/06:01:13.0	14	Begin Ranging Acquisition		
3283	M1O	04-019/06:02:16.7		NOTE: Apoapsis 9301 -		04-019/05:51:40.1
3284	M1O	04-019/06:02:37.3		NOTE: North Pole Crossing 9301		04-019/05:52:00.6
3285	M1O	04-019/06:02:43.4		NOTE: Enter Planetary Atmosphere 9301		04-019/05:52:06.8
3286	M1O	04-019/06:05:14.6		NOTE: Enter Earth Occultation 9301		04-019/05:54:38.0
3287	M1O	04-019/06:06:20.6		NOTE: EXIT HGA KEEP OUT ZONE		
3288	M1O	04-019/06:15:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
3289	M1O	04-019/06:15:54.0		NOTE: Exit Earth Occultation 9301		04-019/06:05:17.3
3290	M1O	04-019/06:15:54.0	14	Acquisition Of X-Band Signal		
3291	M1O	04-019/06:15:54.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3292	M1O	04-019/06:16:26.2	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3293	M1O	04-019/06:18:26.6		NOTE: Exit Planetary Atmosphere 9301		04-019/06:07:49.9
3294	M1O	04-019/06:21:23.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/06:10:46.3
3295	M1O	04-019/06:21:24.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/06:10:47.3
3296	M1O	04-019/06:21:24.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3297	M1O	04-019/06:21:25.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-019/06:10:48.3
3298	M1O	04-019/06:25:00.0	14	Range Modulation Off		
3299	M1O	04-019/06:30:00.0	14	X-Band Transmitter Off		
3300	M1O	04-019/06:32:37.3		NOTE: Descending Node Crossing 9302		04-019/06:22:00.5
3301	M1O	04-019/06:38:46.4	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
3302	M1O	04-019/06:40:00.0	34	Begin Tracking		
3303	M1O	04-019/06:40:00.0	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		
3304	M1O	04-019/06:44:23.0	14	NOTE: Below Uplink Interlock Limit		
3305	M1O	04-019/06:50:11.3		SPAWN, Engine = 65535, Parameters = 3, 00:14:46.797, 1	dpt	04-019/06:39:34.5
3306	M1O	04-019/06:50:13.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/06:39:36.6
3307	M1O	04-019/06:50:13.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3308	M1O	04-019/06:50:13.4	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		
3309	M1O	04-019/06:50:14.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/06:39:37.6
3310	M1O	04-019/06:51:13.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3311	M1O	04-019/06:51:13.4	34	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3312	M1O	04-019/07:00:00.0	14	End Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3313	M1O	04-019/07:00:00.1		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-019/06:49:23.3
3314	M1O	04-019/07:00:00.1		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	04-019/06:49:23.3
3315	M1O	04-019/07:00:00.1	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3316	M1O	04-019/07:01:40.5		NOTE: Periapsis 9302 ----------		04-019/06:51:03.7
3317	M1O	04-019/07:01:55.1		NOTE: South Pole Crossing 9302		04-019/06:51:18.2
3318	M1O	04-019/07:05:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/06:54:23.4
3319	M1O	04-019/07:05:00.2	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3320	M1O	04-019/07:05:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/06:54:24.4
3321	M1O	04-019/07:10:36.8		SPAWN, Engine = 65535, Parameters =	scdiag	04-019/07:00:00.0
3322	M1O	04-019/07:10:37.9		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-019/07:00:01.1
3323	M1O	04-019/07:10:38.9		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-019/07:00:02.1
3324	M1O	04-019/07:11:39.8		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-019/07:01:03.0
3325	M1O	04-019/07:11:40.0		NOTE: Start Block fsw_diag		04-019/07:01:03.2
3326	M1O	04-019/07:11:41.0		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-019/07:01:04.2
3327	M1O	04-019/07:11:42.0		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	04-019/07:01:05.2
3328	M1O	04-019/07:11:53.0		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	04-019/07:01:16.2
3329	M1O	04-019/07:12:23.0		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-019/07:01:46.2
3330	M1O	04-019/07:12:43.0		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-019/07:02:06.2
3331	M1O	04-019/07:12:53.0		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-019/07:02:16.2
3332	M1O	04-019/07:13:13.0		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-019/07:02:36.2
3333	M1O	04-019/07:13:23.0		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-019/07:02:46.2
3334	M1O	04-019/07:13:28.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-019/07:02:51.2
3335	M1O	04-019/07:13:33.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-019/07:02:56.2
3336	M1O	04-019/07:13:38.0		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-019/07:03:01.2
3337	M1O	04-019/07:13:43.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-019/07:03:06.2
3338	M1O	04-019/07:13:48.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-019/07:03:11.2
3339	M1O	04-019/07:14:28.0		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-019/07:03:51.2
3340	M1O	04-019/07:14:33.0		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-019/07:03:56.2
3341	M1O	04-019/07:14:38.0		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-019/07:04:01.2
3342	M1O	04-019/07:14:43.0		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-019/07:04:06.2
3343	M1O	04-019/07:14:48.0		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-019/07:04:11.2
3344	M1O	04-019/07:14:49.0		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-019/07:04:12.2
3345	M1O	04-019/07:14:50.0		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-019/07:04:13.2
3346	M1O	04-019/07:14:51.0		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-019/07:04:14.2
3347	M1O	04-019/07:15:00.0	14	End Post-Cal		
3348	M1O	04-019/07:15:02.0		NOTE: End Block fsw_diag.mod		04-019/07:04:25.2
3349	M1O	04-019/07:29:46.5		NOTE: Enter Solar Eclipse 9302		04-019/07:19:09.6
3350	M1O	04-019/07:31:13.3		NOTE: Ascending Node Crossing 9302		04-019/07:20:36.3
3351	M1O	04-019/07:47:53.0		NOTE: Exit Solar Eclipse 9302		04-019/07:37:16.0
3352	M1O	04-019/07:55:54.9		SPAWN, Engine = 65535, Parameters = 3, 00:23:39.726, 1	dpt	04-019/07:45:18.0
3353	M1O	04-019/07:55:57.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/07:45:20.1
3354	M1O	04-019/07:55:57.0	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3355	M1O	04-019/07:55:58.0		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-019/07:45:21.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
3356	M1O	04-019/07:56:57.0		NOTE: ENTER HGA KEEP OUT ZONE		
3357	M1O	04-019/07:56:57.0	34	NOTE: Loss Of X-Band Signal		
3358	M1O	04-019/08:00:36.9		NOTE: Apoapsis 9302 -		04-019/07:49:59.9
3359	M1O	04-019/08:01:11.8		NOTE: Enter Planetary Atmosphere 9302		04-019/07:50:34.8
3360	M1O	04-019/08:01:12.7		NOTE: North Pole Crossing 9302		04-019/07:50:35.7
3361	M1O	04-019/08:03:40.2		NOTE: Enter Earth Occultation 9302		04-019/07:53:03.2
3362	M1O	04-019/08:04:57.0		NOTE: EXIT HGA KEEP OUT ZONE		
3363	M1O	04-019/08:14:36.7		NOTE: Exit Earth Occultation 9302		04-019/08:03:59.7
3364	M1O	04-019/08:14:36.7	34	Acquisition Of X-Band Signal		
3365	M1O	04-019/08:14:36.7	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3366	M1O	04-019/08:17:06.6		NOTE: Exit Planetary Atmosphere 9302		04-019/08:06:29.5
3367	M1O	04-019/08:19:36.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/08:08:59.8
3368	M1O	04-019/08:19:36.9	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3369	M1O	04-019/08:19:37.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/08:09:00.8
3370	M1O	04-019/08:31:11.3		NOTE: Descending Node Crossing 9303		04-019/08:20:34.2
3371	M1O	04-019/09:00:14.4		NOTE: Periapsis 9303 ----------		04-019/08:49:37.2
3372	M1O	04-019/09:00:29.0		NOTE: South Pole Crossing 9303		04-019/08:49:51.8
3373	M1O	04-019/09:22:13.2		SPAWN, Engine = 65535, Parameters = 019, 01, FALSE, 00:19:27.548, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-019/09:11:36.0
3374	M1O	04-019/09:22:14.3		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	04-019/09:11:37.1
3375	M1O	04-019/09:22:16.3		CALL, Engine = , Parameters = 56	get_cmd_opt	04-019/09:11:39.1
3376	M1O	04-019/09:22:58.5		CALL, Engine = , Parameters = 56	get_apid	04-019/09:12:21.3
3377	M1O	04-019/09:22:59.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-019/09:12:22.4
3378	M1O	04-019/09:22:59.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-019/09:12:22.6
3379	M1O	04-019/09:23:00.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-019/09:12:23.7
3380	M1O	04-019/09:23:02.1		CALL, Engine = , Parameters = 56	get_coding	04-019/09:12:24.9
3381	M1O	04-019/09:23:03.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-019/09:12:26.1
3382	M1O	04-019/09:23:04.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-019/09:12:27.3
3383	M1O	04-019/09:24:09.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-019/09:13:32.1
3384	M1O	04-019/09:24:10.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-019/09:13:33.1
3385	M1O	04-019/09:24:11.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-019/09:13:34.1
3386	M1O	04-019/09:24:12.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-019/09:13:35.1
3387	M1O	04-019/09:24:13.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-019/09:13:36.1
3388	M1O	04-019/09:24:14.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-019/09:13:37.1
3389	M1O	04-019/09:24:15.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-019/09:13:38.1
3390	M1O	04-019/09:28:20.0		NOTE: Enter Solar Eclipse 9303		04-019/09:17:42.7
3391	M1O	04-019/09:29:47.2		NOTE: Ascending Node Crossing 9303		04-019/09:19:09.9
3392	M1O	04-019/09:35:00.0	63	Begin Pre-Cal		
3393	M1O	04-019/09:35:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3394	M1O	04-019/09:35:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3395	M1O	04-019/09:35:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3396	M1O	04-019/09:35:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3397	M1O	04-019/09:35:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3398	M1O	04-019/09:35:00.0	63	Config: RCV: Parms:		
3399	M1O	04-019/09:35:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3400	M1O	04-019/09:35:00.0	63	Config: TGC: BAND=X, SR=79632.000000		
3401	M1O	04-019/09:35:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3402	M1O	04-019/09:43:38.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-019/09:33:01.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
3403	M1O	04-019/09:43:40.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-019/09:33:02.7
3404	M1O	04-019/09:43:50.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-019/09:33:12.7
3405	M1O	04-019/09:43:51.0		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	04-019/09:33:13.7
3406	M1O	04-019/09:46:30.0		NOTE: Exit Solar Eclipse 9303		04-019/09:35:52.7
3407	M1O	04-019/09:47:21.3		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-019/09:36:44.0
3408	M1O	04-019/09:47:37.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-017T09:36:44.100, 2004-019T09:36:44.100	PCKTS_RE_TX_TIME	04-019/09:36:59.8
3409	M1O	04-019/09:47:38.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-017T09:36:44.100, 2004-019T09:36:44.100	PCKTS_RE_TX_TIME	04-019/09:37:00.8
3410	M1O	04-019/09:47:39.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-017T09:36:44.100, 2004-019T09:36:44.100	PCKTS_RE_TX_TIME	04-019/09:37:01.8
3411	M1O	04-019/09:47:40.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-017T09:36:44.100, 2004-019T09:36:44.100	PCKTS_RE_TX_TIME	04-019/09:37:02.8
3412	M1O	04-019/09:47:41.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-017T09:36:44.100, 2004-019T09:36:44.100	PCKTS_RE_TX_TIME	04-019/09:37:03.8
3413	M1O	04-019/09:47:42.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-017T09:36:44.100, 2004-019T09:36:44.100	PCKTS_RE_TX_TIME	04-019/09:37:04.8
3414	M1O	04-019/09:47:42.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-019/09:37:04.8
3415	M1O	04-019/09:47:42.1	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3416	M1O	04-019/09:54:43.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/09:44:05.8
3417	M1O	04-019/09:54:43.1	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3418	M1O	04-019/09:54:44.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/09:44:06.8
3419	M1O	04-019/09:55:00.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-019/09:44:22.8
3420	M1O	04-019/09:55:00.1	34	D/L RF Warning: SC antenna change - expect signal level variation		
3421	M1O	04-019/09:55:01.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-019/09:44:23.8
3422	M1O	04-019/09:55:31.3		NOTE: ENTER HGA KEEP OUT ZONE		
3423	M1O	04-019/09:55:31.3	34	NOTE: Loss Of X-Band Signal		
3424	M1O	04-019/09:59:18.0		NOTE: Apoapsis 9303 -		04-019/09:48:40.6
3425	M1O	04-019/09:59:38.4		NOTE: Enter Planetary Atmosphere 9303		04-019/09:49:01.1
3426	M1O	04-019/09:59:45.7		NOTE: North Pole Crossing 9303		04-019/09:49:08.3
3427	M1O	04-019/10:00:00.0	34	End Tracking		
3428	M1O	04-019/10:02:04.9		NOTE: Enter Earth Occultation 9303		04-019/09:51:27.5
3429	M1O	04-019/10:03:31.4		NOTE: EXIT HGA KEEP OUT ZONE		
3430	M1O	04-019/10:13:14.4		NOTE: Exit Earth Occultation 9303		04-019/10:02:36.9
3431	M1O	04-019/10:15:00.0	34	End Post-Cal		
3432	M1O	04-019/10:15:42.2		NOTE: Exit Planetary Atmosphere 9303		04-019/10:05:04.8
3433	M1O	04-019/10:29:43.4		NOTE: Descending Node Crossing 9304		04-019/10:19:05.9
3434	M1O	04-019/10:58:44.3		NOTE: Periapsis 9304 ----------		04-019/10:48:06.7
3435	M1O	04-019/10:59:00.2		NOTE: South Pole Crossing 9304		04-019/10:48:22.6
3436	M1O	04-019/11:24:47.6		SPAWN, Engine = 65535, Parameters = 019, 02, FALSE, 00:09:27.967, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-019/11:14:10.0
3437	M1O	04-019/11:24:48.7		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	04-019/11:14:11.1
3438	M1O	04-019/11:24:50.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-019/11:14:13.1
3439	M1O	04-019/11:25:32.9		CALL, Engine = , Parameters = 56	get_apid	04-019/11:14:55.3
3440	M1O	04-019/11:25:34.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-019/11:14:56.4
3441	M1O	04-019/11:25:34.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-019/11:14:56.6
3442	M1O	04-019/11:25:35.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-019/11:14:57.7
3443	M1O	04-019/11:25:36.5		CALL, Engine = , Parameters = 56	get_coding	04-019/11:14:58.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3444	M1O	04-019/11:25:37.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-019/11:15:00.1
3445	M1O	04-019/11:25:38.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-019/11:15:01.3
3446	M1O	04-019/11:26:43.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-019/11:16:06.1
3447	M1O	04-019/11:26:44.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-019/11:16:07.1
3448	M1O	04-019/11:26:45.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-019/11:16:08.1
3449	M1O	04-019/11:26:46.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-019/11:16:09.1
3450	M1O	04-019/11:26:47.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-019/11:16:10.1
3451	M1O	04-019/11:26:48.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-019/11:16:11.1
3452	M1O	04-019/11:26:49.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-019/11:16:12.1
3453	M1O	04-019/11:26:50.3		NOTE: Enter Solar Eclipse 9304		04-019/11:16:12.6
3454	M1O	04-019/11:28:17.8		NOTE: Ascending Node Crossing 9304		04-019/11:17:40.1
3455	M1O	04-019/11:36:13.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-019/11:25:36.0
3456	M1O	04-019/11:36:14.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-019/11:25:37.1
3457	M1O	04-019/11:36:24.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-019/11:25:47.1
3458	M1O	04-019/11:36:25.8		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	04-019/11:25:48.1
3459	M1O	04-019/11:44:59.4		NOTE: Exit Solar Eclipse 9304		04-019/11:34:21.7
3460	M1O	04-019/11:49:36.0		SPAWN, Engine = 65535, Parameters = 00:26:41.713	cstr	04-019/11:38:58.3
3461	M1O	04-019/11:49:36.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/11:38:58.4
3462	M1O	04-019/11:49:37.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/11:38:59.4
3463	M1O	04-019/11:49:38.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-019/11:39:00.4
3464	M1O	04-019/11:49:39.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-019/11:39:01.4
3465	M1O	04-019/11:49:40.1		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-019/11:39:02.4
3466	M1O	04-019/11:49:50.1		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-019/11:39:12.4
3467	M1O	04-019/11:50:00.0	63	Begin Tracking		
3468	M1O	04-019/11:50:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3469	M1O	04-019/11:50:00.1		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-019/11:39:22.4
3470	M1O	04-019/11:50:01.0		NOTE: Changing to 70M downlink rate: 110600_BPS		04-019/11:39:23.3
3471	M1O	04-019/11:50:01.0		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	04-019/11:39:23.3
3472	M1O	04-019/11:50:01.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3473	M1O	04-019/11:53:43.7		NOTE: ENTER HGA KEEP OUT ZONE		
3474	M1O	04-019/11:53:43.7	63	NOTE: Loss Of X-Band Signal		
3475	M1O	04-019/11:57:47.2		NOTE: Apoapsis 9304 -		04-019/11:47:09.4
3476	M1O	04-019/11:58:11.3		NOTE: Enter Planetary Atmosphere 9304		04-019/11:47:33.5
3477	M1O	04-019/11:58:16.8		NOTE: North Pole Crossing 9304		04-019/11:47:39.0
3478	M1O	04-019/12:00:38.6		NOTE: Enter Earth Occultation 9304		04-019/11:50:00.8
3479	M1O	04-019/12:02:03.7		NOTE: EXIT HGA KEEP OUT ZONE		
3480	M1O	04-019/12:04:03.0	63	NOTE: Above Uplink Interlock Limit		
3481	M1O	04-019/12:11:42.8		NOTE: Exit Earth Occultation 9304		04-019/12:01:05.0
3482	M1O	04-019/12:11:42.8	63	Acquisition Of X-Band Signal		
3483	M1O	04-019/12:11:42.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3484	M1O	04-019/12:14:11.5		NOTE: Exit Planetary Atmosphere 9304		04-019/12:03:33.7
3485	M1O	04-019/12:16:41.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/12:06:04.1
3486	M1O	04-019/12:16:42.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/12:06:05.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3487	M1O	04-019/12:16:42.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3488	M1O	04-019/12:16:43.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-019/12:06:06.1
3489	M1O	04-019/12:28:14.9		NOTE: Descending Node Crossing 9305		04-019/12:17:37.0
3490	M1O	04-019/12:56:56.8		NOTE: Periapsis 9305 ----------		04-019/12:46:18.8
3491	M1O	04-019/12:57:31.5		NOTE: South Pole Crossing 9305		04-019/12:46:53.5
3492	M1O	04-019/13:25:24.3		NOTE: Enter Solar Eclipse 9305		04-019/13:14:46.3
3493	M1O	04-019/13:26:49.6		NOTE: Ascending Node Crossing 9305		04-019/13:16:11.6
3494	M1O	04-019/13:43:25.5		NOTE: Exit Solar Eclipse 9305		04-019/13:32:47.4
3495	M1O	04-019/13:51:13.1		SPAWN, Engine = 65535, Parameters = 3, 00:23:50.991, 1	dpt	04-019/13:40:35.0
3496	M1O	04-019/13:51:15.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/13:40:37.1
3497	M1O	04-019/13:51:15.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3498	M1O	04-019/13:51:16.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/13:40:38.1
3499	M1O	04-019/13:52:15.1		NOTE: ENTER HGA KEEP OUT ZONE		
3500	M1O	04-019/13:52:15.1	63	NOTE: Loss Of X-Band Signal		
3501	M1O	04-019/13:56:03.8		NOTE: Apoapsis 9305 -		04-019/13:45:25.7
3502	M1O	04-019/13:56:49.7		NOTE: North Pole Crossing 9305		04-019/13:46:11.5
3503	M1O	04-019/13:56:52.8		NOTE: Enter Planetary Atmosphere 9305		04-019/13:46:14.6
3504	M1O	04-019/13:59:23.5		NOTE: Enter Earth Occultation 9305		04-019/13:48:45.4
3505	M1O	04-019/14:00:35.1		NOTE: EXIT HGA KEEP OUT ZONE		
3506	M1O	04-019/14:10:06.1		NOTE: Exit Earth Occultation 9305		04-019/13:59:27.9
3507	M1O	04-019/14:10:06.1	63	Acquisition Of X-Band Signal		
3508	M1O	04-019/14:10:06.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3509	M1O	04-019/14:12:38.4		NOTE: Exit Planetary Atmosphere 9305		04-019/14:02:00.2
3510	M1O	04-019/14:15:06.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/14:04:28.0
3511	M1O	04-019/14:15:06.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3512	M1O	04-019/14:15:07.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/14:04:29.0
3513	M1O	04-019/14:26:48.5		NOTE: Descending Node Crossing 9306		04-019/14:16:10.2
3514	M1O	04-019/14:27:24.2		SPAWN, Engine = 65535, Parameters = 019, 03, FALSE, 00:07:27.875, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-019/14:16:46.0
3515	M1O	04-019/14:27:25.3		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	04-019/14:16:47.1
3516	M1O	04-019/14:27:27.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-019/14:16:49.1
3517	M1O	04-019/14:28:09.5		CALL, Engine = , Parameters = 254	get_apid	04-019/14:17:31.3
3518	M1O	04-019/14:28:10.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-019/14:17:32.4
3519	M1O	04-019/14:28:10.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-019/14:17:32.6
3520	M1O	04-019/14:28:11.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-019/14:17:33.7
3521	M1O	04-019/14:28:13.2		CALL, Engine = , Parameters = 254	get_coding	04-019/14:17:35.0
3522	M1O	04-019/14:28:14.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-019/14:17:36.2
3523	M1O	04-019/14:28:15.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-019/14:17:37.4
3524	M1O	04-019/14:29:20.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-019/14:18:42.2
3525	M1O	04-019/14:29:21.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-019/14:18:43.2
3526	M1O	04-019/14:29:22.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-019/14:18:44.2
3527	M1O	04-019/14:29:23.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-019/14:18:45.2
3528	M1O	04-019/14:29:24.4		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-019/14:18:46.2
3529	M1O	04-019/14:29:25.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-019/14:18:47.2
3530	M1O	04-019/14:29:26.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-019/14:18:48.2
3531	M1O	04-019/14:36:50.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-019/14:26:12.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
3532	M1O	04-019/14:36:51.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-019/14:26:13.1
3533	M1O	04-019/14:37:01.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-019/14:26:23.1
3534	M1O	04-019/14:37:02.4		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	04-019/14:26:24.1
3535	M1O	04-019/14:55:32.0		NOTE: Periapsis 9306 ----------		04-019/14:44:53.7
3536	M1O	04-019/14:56:06.4		NOTE: South Pole Crossing 9306		04-019/14:45:28.1
3537	M1O	04-019/15:24:01.8		NOTE: Enter Solar Eclipse 9306		04-019/15:13:23.4
3538	M1O	04-019/15:25:25.7		NOTE: Ascending Node Crossing 9306		04-019/15:14:47.2
3539	M1O	04-019/15:41:58.1		NOTE: Exit Solar Eclipse 9306		04-019/15:31:19.6
3540	M1O	04-019/15:50:06.5		SPAWN, Engine = 65535, Parameters = 3, 00:23:26.635, 1	dpt	04-019/15:39:28.0
3541	M1O	04-019/15:50:08.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/15:39:30.1
3542	M1O	04-019/15:50:08.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3543	M1O	04-019/15:50:09.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/15:39:31.1
3544	M1O	04-019/15:51:08.5		NOTE: ENTER HGA KEEP OUT ZONE		
3545	M1O	04-019/15:51:08.5	63	NOTE: Loss Of X-Band Signal		
3546	M1O	04-019/15:54:48.3		NOTE: Apoapsis 9306 -		04-019/15:44:09.8
3547	M1O	04-019/15:55:25.5		NOTE: North Pole Crossing 9306		04-019/15:44:47.0
3548	M1O	04-019/15:55:33.1		NOTE: Enter Planetary Atmosphere 9306		04-019/15:44:54.6
3549	M1O	04-019/15:58:06.2		NOTE: Enter Earth Occultation 9306		04-019/15:47:27.6
3550	M1O	04-019/15:58:48.5		NOTE: EXIT HGA KEEP OUT ZONE		
3551	M1O	04-019/16:08:35.1		NOTE: Exit Earth Occultation 9306		04-019/15:57:56.6
3552	M1O	04-019/16:08:35.1	63	Acquisition Of X-Band Signal		
3553	M1O	04-019/16:08:35.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3554	M1O	04-019/16:11:09.6		NOTE: Exit Planetary Atmosphere 9306		04-019/16:00:31.0
3555	M1O	04-019/16:13:35.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/16:02:56.7
3556	M1O	04-019/16:13:35.3	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3557	M1O	04-019/16:13:36.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/16:02:57.7
3558	M1O	04-019/16:15:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3559	M1O	04-019/16:18:21.5		SPAWN, Engine = 65535, Parameters = 019, 04, TRUE, 00:19:15, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-019/16:07:43.0
3560	M1O	04-019/16:18:22.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/16:07:43.5
3561	M1O	04-019/16:18:22.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3562	M1O	04-019/16:18:22.6		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	04-019/16:07:44.1
3563	M1O	04-019/16:18:24.6		CALL, Engine = , Parameters = 254	get_cmd_opt	04-019/16:07:46.1
3564	M1O	04-019/16:18:24.9		CALL, Engine = , Parameters = 019, 04, 254	bld_autosw	04-019/16:07:46.4
3565	M1O	04-019/16:18:26.0		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-019/16:07:47.5
3566	M1O	04-019/16:18:27.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:07:48.6
3567	M1O	04-019/16:18:28.1		Deletes the designated file.: d:/dat/254_doy019_pass04_file01.dat	FILE_DELETE	04-019/16:07:49.6
3568	M1O	04-019/16:18:29.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:07:50.7
3569	M1O	04-019/16:18:30.2		Deletes the designated file.: d:/dat/254_doy019_pass04_file02.dat	FILE_DELETE	04-019/16:07:51.7
3570	M1O	04-019/16:18:31.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:07:52.8
3571	M1O	04-019/16:18:32.3		Deletes the designated file.: d:/dat/254_doy019_pass04_file03.dat	FILE_DELETE	04-019/16:07:53.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3572	M1O	04-019/16:18:33.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:07:54.9
3573	M1O	04-019/16:18:34.4		Deletes the designated file.: d:/dat/254_doy019_pass04_file04.dat	FILE_DELETE	04-019/16:07:55.9
3574	M1O	04-019/16:18:35.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:07:57.0
3575	M1O	04-019/16:18:36.5		Deletes the designated file.: d:/dat/254_doy019_pass04_file05.dat	FILE_DELETE	04-019/16:07:58.0
3576	M1O	04-019/16:18:37.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:07:59.1
3577	M1O	04-019/16:18:38.6		Deletes the designated file.: d:/dat/254_doy019_pass04_file06.dat	FILE_DELETE	04-019/16:08:00.1
3578	M1O	04-019/16:18:39.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:01.2
3579	M1O	04-019/16:18:40.7		Deletes the designated file.: d:/dat/254_doy019_pass04_file07.dat	FILE_DELETE	04-019/16:08:02.2
3580	M1O	04-019/16:18:41.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:03.3
3581	M1O	04-019/16:18:42.8		Deletes the designated file.: d:/dat/254_doy019_pass04_file08.dat	FILE_DELETE	04-019/16:08:04.3
3582	M1O	04-019/16:18:43.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:05.4
3583	M1O	04-019/16:18:44.9		Deletes the designated file.: d:/dat/254_doy019_pass04_file09.dat	FILE_DELETE	04-019/16:08:06.4
3584	M1O	04-019/16:18:46.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:07.5
3585	M1O	04-019/16:18:47.0		Deletes the designated file.: d:/dat/254_doy019_pass04_file10.dat	FILE_DELETE	04-019/16:08:08.5
3586	M1O	04-019/16:18:48.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:09.6
3587	M1O	04-019/16:18:49.1		Deletes the designated file.: d:/dat/254_doy019_pass04_file11.dat	FILE_DELETE	04-019/16:08:10.6
3588	M1O	04-019/16:18:50.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:11.7
3589	M1O	04-019/16:18:51.2		Deletes the designated file.: d:/dat/254_doy019_pass04_file12.dat	FILE_DELETE	04-019/16:08:12.7
3590	M1O	04-019/16:18:52.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:13.8
3591	M1O	04-019/16:18:53.3		Deletes the designated file.: d:/dat/254_doy019_pass04_file13.dat	FILE_DELETE	04-019/16:08:14.8
3592	M1O	04-019/16:18:54.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:15.9
3593	M1O	04-019/16:18:55.4		Deletes the designated file.: d:/dat/254_doy019_pass04_file14.dat	FILE_DELETE	04-019/16:08:16.9
3594	M1O	04-019/16:18:56.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:18.0
3595	M1O	04-019/16:18:57.5		Deletes the designated file.: d:/dat/254_doy019_pass04_file15.dat	FILE_DELETE	04-019/16:08:19.0
3596	M1O	04-019/16:18:58.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:20.1
3597	M1O	04-019/16:18:59.6		Deletes the designated file.: d:/dat/254_doy019_pass04_file16.dat	FILE_DELETE	04-019/16:08:21.1
3598	M1O	04-019/16:19:00.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:22.2
3599	M1O	04-019/16:19:01.7		Deletes the designated file.: d:/dat/254_doy019_pass04_file17.dat	FILE_DELETE	04-019/16:08:23.2
3600	M1O	04-019/16:19:02.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:24.3
3601	M1O	04-019/16:19:03.8		Deletes the designated file.: d:/dat/254_doy019_pass04_file18.dat	FILE_DELETE	04-019/16:08:25.3
3602	M1O	04-019/16:19:04.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy019_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-019/16:08:26.4
3603	M1O	04-019/16:19:05.9		Deletes the designated file.: d:/dat/254_doy019_pass04_file19.dat	FILE_DELETE	04-019/16:08:27.4
3604	M1O	04-019/16:19:06.9		CALL, Engine = , Parameters = 254	get_apid	04-019/16:08:28.4
3605	M1O	04-019/16:19:08.0		CALL, Engine = , Parameters = 254	get_rcv_mode	04-019/16:08:29.5
3606	M1O	04-019/16:19:08.2		CALL, Engine = , Parameters = 254	get_dl_rate	04-019/16:08:29.7
3607	M1O	04-019/16:19:09.3		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-019/16:08:30.8
3608	M1O	04-019/16:19:10.6		CALL, Engine = , Parameters = 254	get_coding	04-019/16:08:32.1
3609	M1O	04-019/16:19:11.8		CALL, Engine = , Parameters = 254	get_xmt_mode	04-019/16:08:33.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3610	M1O	04-019/16:19:13.0		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-019/16:08:34.5
3611	M1O	04-019/16:20:00.0	63	Range Modulation On: SUP=3.0dB		
3612	M1O	04-019/16:20:17.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-019/16:09:39.3
3613	M1O	04-019/16:20:18.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-019/16:09:40.3
3614	M1O	04-019/16:20:19.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-019/16:09:41.3
3615	M1O	04-019/16:20:20.8		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-019/16:09:42.3
3616	M1O	04-019/16:20:21.8		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-019/16:09:43.3
3617	M1O	04-019/16:20:22.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-019/16:09:44.3
3618	M1O	04-019/16:20:23.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-019/16:09:45.3
3619	M1O	04-019/16:21:00.0	63	Begin Ranging Acquisition		
3620	M1O	04-019/16:22:13.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/16:11:35.3
3621	M1O	04-019/16:22:23.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-019/16:11:45.3
3622	M1O	04-019/16:25:24.4		NOTE: Descending Node Crossing 9307		04-019/16:14:45.8
3623	M1O	04-019/16:35:14.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-019/16:24:35.6
3624	M1O	04-019/16:35:16.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/16:24:37.7
3625	M1O	04-019/16:35:17.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/16:24:38.7
3626	M1O	04-019/16:36:17.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3627	M1O	04-019/16:39:36.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-019/16:28:58.3
3628	M1O	04-019/16:39:38.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-019/16:28:59.4
3629	M1O	04-019/16:39:48.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-019/16:29:09.4
3630	M1O	04-019/16:39:49.0		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	04-019/16:29:10.4
3631	M1O	04-019/16:39:50.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-019/16:29:11.4
3632	M1O	04-019/16:39:50.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3633	M1O	04-019/16:39:51.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-019/16:29:12.4
3634	M1O	04-019/16:41:16.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/16:30:37.7
3635	M1O	04-019/16:41:16.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3636	M1O	04-019/16:41:17.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/16:30:38.7
3637	M1O	04-019/16:54:31.5		NOTE: Periapsis 9307 ----------		04-019/16:43:52.8
3638	M1O	04-019/16:54:43.3		NOTE: South Pole Crossing 9307		04-019/16:44:04.6
3639	M1O	04-019/17:14:06.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
3640	M1O	04-019/17:22:37.7		NOTE: Enter Solar Eclipse 9307		04-019/17:11:58.9
3641	M1O	04-019/17:24:02.9		NOTE: Ascending Node Crossing 9307		04-019/17:13:24.1
3642	M1O	04-019/17:24:06.0	63	Range Modulation Off		
3643	M1O	04-019/17:29:06.0	63	X-Band Transmitter Off		
3644	M1O	04-019/17:40:34.9		NOTE: Exit Solar Eclipse 9307		04-019/17:29:56.0
3645	M1O	04-019/17:46:23.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3646	M1O	04-019/17:49:20.5		SPAWN, Engine = 65535, Parameters = 3, 00:23:15.859, 1	dpt	04-019/17:38:41.6
3647	M1O	04-019/17:49:22.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/17:38:43.7
3648	M1O	04-019/17:49:22.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3649	M1O	04-019/17:49:23.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/17:38:44.7
3650	M1O	04-019/17:50:23.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
3651	M1O	04-019/17:50:23.8		NOTE: ENTER HGA KEEP OUT ZONE		
3652	M1O	04-019/17:50:23.8	63	NOTE: Loss Of X-Band Signal		
3653	M1O	04-019/17:51:23.0	63	Range Modulation On: SUP=3.0dB		
3654	M1O	04-019/17:52:23.0	63	Begin Ranging Acquisition		
3655	M1O	04-019/17:53:54.5		NOTE: Apoapsis 9307 -		04-019/17:43:15.7
3656	M1O	04-019/17:54:02.2		NOTE: North Pole Crossing 9307		04-019/17:43:23.3
3657	M1O	04-019/17:54:10.4		NOTE: Enter Planetary Atmosphere 9307		04-019/17:43:31.5
3658	M1O	04-019/17:56:44.3		NOTE: Enter Earth Occultation 9307		04-019/17:46:05.4
3659	M1O	04-019/17:57:03.9		NOTE: EXIT HGA KEEP OUT ZONE		
3660	M1O	04-019/18:07:08.5		NOTE: Exit Earth Occultation 9307		04-019/17:56:29.6
3661	M1O	04-019/18:07:08.5	63	Acquisition Of X-Band Signal		
3662	M1O	04-019/18:07:08.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3663	M1O	04-019/18:07:40.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3664	M1O	04-019/18:09:43.7		NOTE: Exit Planetary Atmosphere 9307		04-019/17:59:04.7
3665	M1O	04-019/18:12:38.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/18:01:59.6
3666	M1O	04-019/18:12:38.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3667	M1O	04-019/18:12:39.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/18:02:00.6
3668	M1O	04-019/18:24:01.2		NOTE: Descending Node Crossing 9308		04-019/18:13:22.2
3669	M1O	04-019/18:53:20.0		NOTE: South Pole Crossing 9308		04-019/18:42:40.9
3670	M1O	04-019/18:53:27.8		NOTE: Periapsis 9308 ----------		04-019/18:42:48.7
3671	M1O	04-019/19:12:42.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
3672	M1O	04-019/19:21:11.3		NOTE: Enter Solar Eclipse 9308		04-019/19:10:32.1
3673	M1O	04-019/19:22:38.7		NOTE: Ascending Node Crossing 9308		04-019/19:11:59.6
3674	M1O	04-019/19:22:42.0	63	Range Modulation Off		
3675	M1O	04-019/19:27:42.0	63	X-Band Transmitter Off		
3676	M1O	04-019/19:39:12.0		NOTE: Exit Solar Eclipse 9308		04-019/19:28:32.8
3677	M1O	04-019/19:44:59.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3678	M1O	04-019/19:47:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:23:17, 1	dpt	04-019/19:37:18.8
3679	M1O	04-019/19:48:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/19:37:20.9
3680	M1O	04-019/19:48:00.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3681	M1O	04-019/19:48:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/19:37:21.9
3682	M1O	04-019/19:49:00.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3683	M1O	04-019/19:49:01.2		NOTE: ENTER HGA KEEP OUT ZONE		
3684	M1O	04-019/19:49:01.2	63	NOTE: Loss Of X-Band Signal		
3685	M1O	04-019/19:49:59.0	63	Range Modulation On: SUP=3.0dB		
3686	M1O	04-019/19:50:59.0	63	Begin Ranging Acquisition		
3687	M1O	04-019/19:52:38.0		NOTE: North Pole Crossing 9308		04-019/19:41:58.8
3688	M1O	04-019/19:52:44.3		NOTE: Apoapsis 9308 -		04-019/19:42:05.0
3689	M1O	04-019/19:52:44.4		NOTE: Enter Planetary Atmosphere 9308		04-019/19:42:05.1
3690	M1O	04-019/19:55:17.7		NOTE: Enter Earth Occultation 9308		04-019/19:44:38.4
3691	M1O	04-019/19:55:41.2		NOTE: EXIT HGA KEEP OUT ZONE		
3692	M1O	04-019/20:05:45.5		NOTE: Exit Earth Occultation 9308		04-019/19:55:06.1
3693	M1O	04-019/20:05:45.5	63	Acquisition Of X-Band Signal		
3694	M1O	04-019/20:05:45.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3695	M1O	04-019/20:06:17.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
3696	M1O	04-019/20:08:20.1		NOTE: Exit Planetary Atmosphere 9308		04-019/19:57:40.8
3697	M1O	04-019/20:11:17.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/20:00:37.9
3698	M1O	04-019/20:11:17.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3699	M1O	04-019/20:11:18.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/20:00:38.9
3700	M1O	04-019/20:22:37.2		NOTE: Descending Node Crossing 9309		04-019/20:11:57.9
3701	M1O	04-019/20:51:54.8		NOTE: South Pole Crossing 9309		04-019/20:41:15.4
3702	M1O	04-019/20:52:02.8		NOTE: Periapsis 9309 ----------		04-019/20:41:23.3
3703	M1O	04-019/21:10:58.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
3704	M1O	04-019/21:19:42.7		NOTE: Enter Solar Eclipse 9309		04-019/21:09:03.2
3705	M1O	04-019/21:20:58.0	63	Range Modulation Off		
3706	M1O	04-019/21:21:12.3		NOTE: Ascending Node Crossing 9309		04-019/21:10:32.7
3707	M1O	04-019/21:25:58.0	63	X-Band Transmitter Off		
3708	M1O	04-019/21:37:47.7		NOTE: Exit Solar Eclipse 9309		04-019/21:27:08.1
3709	M1O	04-019/21:43:37.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3710	M1O	04-019/21:46:14.4		SPAWN, Engine = 65535, Parameters = 3, 00:23:39, 1	dpt	04-019/21:35:34.8
3711	M1O	04-019/21:46:16.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/21:35:36.9
3712	M1O	04-019/21:46:16.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3713	M1O	04-019/21:46:17.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/21:35:37.9
3714	M1O	04-019/21:47:17.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3715	M1O	04-019/21:47:17.6		NOTE: ENTER HGA KEEP OUT ZONE		
3716	M1O	04-019/21:47:17.6	63	NOTE: Loss Of X-Band Signal		
3717	M1O	04-019/21:48:37.0	63	Range Modulation On: SUP=3.0dB		
3718	M1O	04-019/21:49:37.0	63	Begin Ranging Acquisition		
3719	M1O	04-019/21:51:03.9		NOTE: Apoapsis 9309 -		04-019/21:40:24.3
3720	M1O	04-019/21:51:11.4		NOTE: North Pole Crossing 9309		04-019/21:40:31.7
3721	M1O	04-019/21:51:12.9		NOTE: Enter Planetary Atmosphere 9309		04-019/21:40:33.3
3722	M1O	04-019/21:53:44.3		NOTE: Enter Earth Occultation 9309		04-019/21:43:04.7
3723	M1O	04-019/21:54:17.6		NOTE: EXIT HGA KEEP OUT ZONE		
3724	M1O	04-019/22:04:24.1		NOTE: Exit Earth Occultation 9309		04-019/21:53:44.4
3725	M1O	04-019/22:04:24.1	63	Acquisition Of X-Band Signal		
3726	M1O	04-019/22:04:24.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3727	M1O	04-019/22:04:56.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3728	M1O	04-019/22:05:18.6		SPAWN, Engine = 65535, Parameters = 019, 03, FALSE, 00:19:35.543, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-019/21:54:39.0
3729	M1O	04-019/22:05:19.7		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	04-019/21:54:40.1
3730	M1O	04-019/22:05:21.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-019/21:54:42.1
3731	M1O	04-019/22:06:03.9		CALL, Engine = , Parameters = 56	get_apid	04-019/21:55:24.3
3732	M1O	04-019/22:06:05.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-019/21:55:25.4
3733	M1O	04-019/22:06:05.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-019/21:55:25.6
3734	M1O	04-019/22:06:06.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-019/21:55:26.7
3735	M1O	04-019/22:06:07.5		CALL, Engine = , Parameters = 56	get_coding	04-019/21:55:27.9
3736	M1O	04-019/22:06:08.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-019/21:55:29.1
3737	M1O	04-019/22:06:09.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-019/21:55:30.3
3738	M1O	04-019/22:06:56.9		NOTE: Exit Planetary Atmosphere 9309		04-019/21:56:17.3
3739	M1O	04-019/22:07:14.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-019/21:56:35.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3740	M1O	04-019/22:07:15.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-019/21:56:36.1
3741	M1O	04-019/22:07:16.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-019/21:56:37.1
3742	M1O	04-019/22:07:17.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-019/21:56:38.1
3743	M1O	04-019/22:07:18.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-019/21:56:39.1
3744	M1O	04-019/22:07:19.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-019/21:56:40.1
3745	M1O	04-019/22:07:20.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-019/21:56:41.1
3746	M1O	04-019/22:09:55.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-019/21:59:15.9
3747	M1O	04-019/22:09:55.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3748	M1O	04-019/22:09:56.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-019/21:59:16.9
3749	M1O	04-019/22:21:10.1		NOTE: Descending Node Crossing 9310		04-019/22:10:30.4
3750	M1O	04-019/22:26:52.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-019/22:16:12.6
3751	M1O	04-019/22:26:53.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-019/22:16:13.7
3752	M1O	04-019/22:27:03.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-019/22:16:23.7
3753	M1O	04-019/22:27:04.5		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	04-019/22:16:24.7
3754	M1O	04-019/22:38:41.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
3755	M1O	04-019/22:48:41.0	63	Range Modulation Off		
3756	M1O	04-019/22:50:15.0		NOTE: Periapsis 9310 ----------		04-019/22:39:35.2
3757	M1O	04-019/22:50:26.7		NOTE: South Pole Crossing 9310		04-019/22:39:46.9
3758	M1O	04-019/22:53:40.2	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
3759	M1O	04-019/22:53:41.0	63	X-Band Transmitter Off		
3760	M1O	04-019/23:06:49.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-019/22:56:10.0
3761	M1O	04-019/23:07:05.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-017T22:56:10.100, 2004-019T22:56:10.100	PCKTS_RE_TX_TIME	04-019/22:56:25.8
3762	M1O	04-019/23:07:06.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-017T22:56:10.100, 2004-019T22:56:10.100	PCKTS_RE_TX_TIME	04-019/22:56:26.8
3763	M1O	04-019/23:07:07.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-017T22:56:10.100, 2004-019T22:56:10.100	PCKTS_RE_TX_TIME	04-019/22:56:27.8
3764	M1O	04-019/23:07:08.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-017T22:56:10.100, 2004-019T22:56:10.100	PCKTS_RE_TX_TIME	04-019/22:56:28.8
3765	M1O	04-019/23:07:09.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-017T22:56:10.100, 2004-019T22:56:10.100	PCKTS_RE_TX_TIME	04-019/22:56:29.8
3766	M1O	04-019/23:07:10.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-017T22:56:10.100, 2004-019T22:56:10.100	PCKTS_RE_TX_TIME	04-019/22:56:30.8
3767	M1O	04-019/23:07:10.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-019/22:56:30.8
3768	M1O	04-019/23:07:10.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3769	M1O	04-019/23:14:11.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-019/23:03:31.8
3770	M1O	04-019/23:14:11.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3771	M1O	04-019/23:14:12.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-019/23:03:32.8
3772	M1O	04-019/23:14:28.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-019/23:03:48.8
3773	M1O	04-019/23:14:28.7	63	D/L RF Warning: SC antenna change - expect signal level variation		
3774	M1O	04-019/23:14:29.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-019/23:03:49.8
3775	M1O	04-019/23:14:32.0	63	NOTE: Below Uplink Interlock Limit		
3776	M1O	04-019/23:15:00.0	63	End Tracking		
3777	M1O	04-019/23:18:14.9		NOTE: Enter Solar Eclipse 9310		04-019/23:07:35.0
3778	M1O	04-019/23:19:43.9		NOTE: Ascending Node Crossing 9310		04-019/23:09:03.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3779	M1O	04-019/23:30:00.0	63	End Post-Cal		
3780	M1O	04-019/23:36:20.0		NOTE: Exit Solar Eclipse 9310		04-019/23:25:40.0
3781	M1O	04-019/23:45:30.0		NOTE: ENTER HGA KEEP OUT ZONE		
3782	M1O	04-019/23:49:17.6		NOTE: Apoapsis 9310 -		04-019/23:38:37.5
3783	M1O	04-019/23:49:41.1		NOTE: Enter Planetary Atmosphere 9310		04-019/23:39:01.0
3784	M1O	04-019/23:49:42.4		NOTE: North Pole Crossing 9310		04-019/23:39:02.4
3785	M1O	04-019/23:52:11.6		NOTE: Enter Earth Occultation 9310		04-019/23:41:31.6
3786	M1O	04-019/23:53:10.0		NOTE: EXIT HGA KEEP OUT ZONE		
3787	M1O	04-020/00:00:00.0		Light Time: OWLT = 10:40, RTLT = 21:20		
3788	M1O	04-020/00:00:00.0	14	Begin Pre-Cal		
3789	M1O	04-020/00:00:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3790	M1O	04-020/00:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3791	M1O	04-020/00:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3792	M1O	04-020/00:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3793	M1O	04-020/00:00:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
3794	M1O	04-020/00:00:00.0	14	Config: RCV: Parms:		
3795	M1O	04-020/00:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3796	M1O	04-020/00:00:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
3797	M1O	04-020/00:00:00.0	14	Config: TXL		
3798	M1O	04-020/00:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
3799	M1O	04-020/00:00:00.0	14	Config: CMD		
3800	M1O	04-020/00:00:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
3801	M1O	04-020/00:02:57.1		NOTE: Exit Earth Occultation 9310		04-019/23:52:17.0
3802	M1O	04-020/00:05:29.0		NOTE: Exit Planetary Atmosphere 9310		04-019/23:54:48.9
3803	M1O	04-020/00:19:40.2		NOTE: Descending Node Crossing 9311		04-020/00:09:00.1
3804	M1O	04-020/00:48:32.9		NOTE: Periapsis 9311 ----------		04-020/00:37:52.7
3805	M1O	04-020/00:48:57.4		NOTE: South Pole Crossing 9311		04-020/00:38:17.2
3806	M1O	04-020/00:59:35.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-020/00:48:54.9
3807	M1O	04-020/00:59:35.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/00:48:55.0
3808	M1O	04-020/00:59:36.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/00:48:56.0
3809	M1O	04-020/00:59:37.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-020/00:48:57.0
3810	M1O	04-020/00:59:38.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-020/00:48:58.0
3811	M1O	04-020/00:59:39.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-020/00:48:59.0
3812	M1O	04-020/00:59:49.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-020/00:49:09.0
3813	M1O	04-020/00:59:59.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-020/00:49:19.0
3814	M1O	04-020/01:00:00.0	14	Begin Tracking		
3815	M1O	04-020/01:00:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3816	M1O	04-020/01:01:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3817	M1O	04-020/01:04:59.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/00:54:19.0
3818	M1O	04-020/01:05:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/00:54:20.0
3819	M1O	04-020/01:05:00.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3820	M1O	04-020/01:05:01.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-020/00:54:21.0
3821	M1O	04-020/01:06:00.0	14	Range Modulation On: SUP=3.0dB		
3822	M1O	04-020/01:07:00.0	14	Begin Ranging Acquisition		
3823	M1O	04-020/01:07:59.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
3824	M1O	04-020/01:16:48.5		NOTE: Enter Solar Eclipse 9311		04-020/01:06:08.2
3825	M1O	04-020/01:17:59.0	14	Range Modulation Off		
3826	M1O	04-020/01:18:15.7		NOTE: Ascending Node Crossing 9311		04-020/01:07:35.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3827	M1O	04-020/01:21:18.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-020/01:10:37.9
3828	M1O	04-020/01:21:20.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/01:10:40.0
3829	M1O	04-020/01:21:20.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3830	M1O	04-020/01:21:21.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/01:10:41.0
3831	M1O	04-020/01:22:20.5	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3832	M1O	04-020/01:22:59.0	14	X-Band Transmitter Off		
3833	M1O	04-020/01:27:20.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/01:16:40.0
3834	M1O	04-020/01:27:20.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3835	M1O	04-020/01:27:21.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/01:16:41.0
3836	M1O	04-020/01:34:47.5		NOTE: Exit Solar Eclipse 9311		04-020/01:24:07.1
3837	M1O	04-020/01:40:30.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3838	M1O	04-020/01:43:17.3		SPAWN, Engine = 65535, Parameters = 3, 00:23:31, 1	dpt	04-020/01:32:36.9
3839	M1O	04-020/01:43:19.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/01:32:39.0
3840	M1O	04-020/01:43:19.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3841	M1O	04-020/01:43:20.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/01:32:40.0
3842	M1O	04-020/01:44:19.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3843	M1O	04-020/01:44:20.3		NOTE: ENTER HGA KEEP OUT ZONE		
3844	M1O	04-020/01:44:20.3	14	NOTE: Loss Of X-Band Signal		
3845	M1O	04-020/01:45:30.0	14	Range Modulation On: SUP=3.0dB		
3846	M1O	04-020/01:46:30.0	14	Begin Ranging Acquisition		
3847	M1O	04-020/01:47:54.7		NOTE: Apoapsis 9311 -		04-020/01:37:14.3
3848	M1O	04-020/01:48:14.8		NOTE: North Pole Crossing 9311		04-020/01:37:34.4
3849	M1O	04-020/01:48:21.1		NOTE: Enter Planetary Atmosphere 9311		04-020/01:37:40.7
3850	M1O	04-020/01:50:55.3		NOTE: Enter Earth Occultation 9311		04-020/01:40:14.9
3851	M1O	04-020/01:51:20.4		NOTE: EXIT HGA KEEP OUT ZONE		
3852	M1O	04-020/02:01:19.0		NOTE: Exit Earth Occultation 9311		04-020/01:50:38.5
3853	M1O	04-020/02:01:19.0	14	Acquisition Of X-Band Signal		
3854	M1O	04-020/02:01:19.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3855	M1O	04-020/02:01:50.7	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3856	M1O	04-020/02:03:54.6		NOTE: Exit Planetary Atmosphere 9311		04-020/01:53:14.1
3857	M1O	04-020/02:06:50.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/01:56:10.0
3858	M1O	04-020/02:06:50.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3859	M1O	04-020/02:06:51.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/01:56:11.0
3860	M1O	04-020/02:18:13.0		NOTE: Descending Node Crossing 9312		04-020/02:07:32.5
3861	M1O	04-020/02:47:09.7		NOTE: Periapsis 9312 ----------		04-020/02:36:29.2
3862	M1O	04-020/02:47:30.9		NOTE: South Pole Crossing 9312		04-020/02:36:50.3
3863	M1O	04-020/03:04:48.6		SPAWN, Engine = 65535, Parameters = 020, 01, FALSE, 00:11:52.352, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-020/02:54:08.0
3864	M1O	04-020/03:04:49.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-020/02:54:09.1
3865	M1O	04-020/03:04:51.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-020/02:54:11.1
3866	M1O	04-020/03:05:33.9		CALL, Engine = , Parameters = 254	get_apid	04-020/02:54:53.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3867	M1O	04-020/03:05:35.0		CALL, Engine = , Parameters = 254	get_rcv_mode	04-020/02:54:54.4
3868	M1O	04-020/03:05:35.2		CALL, Engine = , Parameters = 254	get_dl_rate	04-020/02:54:54.6
3869	M1O	04-020/03:05:36.3		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-020/02:54:55.7
3870	M1O	04-020/03:05:37.6		CALL, Engine = , Parameters = 254	get_coding	04-020/02:54:57.0
3871	M1O	04-020/03:05:38.8		CALL, Engine = , Parameters = 254	get_xmt_mode	04-020/02:54:58.2
3872	M1O	04-020/03:05:40.0		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-020/02:54:59.4
3873	M1O	04-020/03:06:44.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-020/02:56:04.2
3874	M1O	04-020/03:06:45.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-020/02:56:05.2
3875	M1O	04-020/03:06:46.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-020/02:56:06.2
3876	M1O	04-020/03:06:47.8		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-020/02:56:07.2
3877	M1O	04-020/03:06:48.8		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-020/02:56:08.2
3878	M1O	04-020/03:06:49.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-020/02:56:09.2
3879	M1O	04-020/03:06:50.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-020/02:56:10.2
3880	M1O	04-020/03:06:51.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
3881	M1O	04-020/03:15:23.0		NOTE: Enter Solar Eclipse 9312		04-020/03:04:42.3
3882	M1O	04-020/03:16:49.9		NOTE: Ascending Node Crossing 9312		04-020/03:06:09.2
3883	M1O	04-020/03:16:51.0	14	Range Modulation Off		
3884	M1O	04-020/03:18:39.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-020/03:07:58.5
3885	M1O	04-020/03:18:40.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-020/03:07:59.6
3886	M1O	04-020/03:18:50.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-020/03:08:09.6
3887	M1O	04-020/03:18:51.3		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	04-020/03:08:10.6
3888	M1O	04-020/03:21:51.0	14	X-Band Transmitter Off		
3889	M1O	04-020/03:33:16.2		NOTE: Exit Solar Eclipse 9312		04-020/03:22:35.5
3890	M1O	04-020/03:38:53.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3891	M1O	04-020/03:42:09.7		SPAWN, Engine = 65535, Parameters = 3, 00:23:02, 1	dpt	04-020/03:31:28.9
3892	M1O	04-020/03:42:11.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/03:31:31.0
3893	M1O	04-020/03:42:11.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3894	M1O	04-020/03:42:12.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/03:31:32.0
3895	M1O	04-020/03:43:12.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3896	M1O	04-020/03:43:12.7		NOTE: ENTER HGA KEEP OUT ZONE		
3897	M1O	04-020/03:43:12.7	14	NOTE: Loss Of X-Band Signal		
3898	M1O	04-020/03:43:53.0	14	Range Modulation On: SUP=3.0dB		
3899	M1O	04-020/03:44:53.0	14	Begin Ranging Acquisition		
3900	M1O	04-020/03:46:34.7		NOTE: Apoapsis 9312 -		04-020/03:35:54.0
3901	M1O	04-020/03:46:50.3		NOTE: North Pole Crossing 9312		04-020/03:36:09.5
3902	M1O	04-020/03:47:06.6		NOTE: Enter Planetary Atmosphere 9312		04-020/03:36:25.8
3903	M1O	04-020/03:49:32.7		NOTE: EXIT HGA KEEP OUT ZONE		
3904	M1O	04-020/03:49:32.7	14	Acquisition Of X-Band Signal		
3905	M1O	04-020/03:49:32.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3906	M1O	04-020/03:49:45.4		NOTE: Enter Earth Occultation 9312		04-020/03:39:04.6
3907	M1O	04-020/03:49:45.4	14	NOTE: Loss Of X-Band Signal		
3908	M1O	04-020/03:59:42.6		NOTE: Exit Earth Occultation 9312		04-020/03:49:01.8
3909	M1O	04-020/03:59:42.6	14	Acquisition Of X-Band Signal		
3910	M1O	04-020/03:59:42.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3911	M1O	04-020/04:00:14.5	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
3912	M1O	04-020/04:02:22.8		NOTE: Exit Planetary Atmosphere 9312		04-020/03:51:42.0
3913	M1O	04-020/04:03:11.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
3914	M1O	04-020/04:05:13.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/03:54:33.0
3915	M1O	04-020/04:05:13.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3916	M1O	04-020/04:05:14.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/03:54:34.0
3917	M1O	04-020/04:13:11.0	14	Range Modulation Off		
3918	M1O	04-020/04:16:49.9		NOTE: Descending Node Crossing 9313		04-020/04:06:09.0
3919	M1O	04-020/04:18:11.0	14	X-Band Transmitter Off		
3920	M1O	04-020/04:29:50.9		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-020/04:19:10.0
3921	M1O	04-020/04:29:51.0		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-020/04:19:10.1
3922	M1O	04-020/04:29:52.0		Forces a desaturation of the reaction wheels.	RW_DESAT	04-020/04:19:11.1
3923	M1O	04-020/04:31:21.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-020/04:20:41.0
3924	M1O	04-020/04:31:37.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-018T04:20:41.100, 2004-020T04:20:41.100	PCKTS_RE_TX_TIME	04-020/04:20:56.8
3925	M1O	04-020/04:31:38.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-018T04:20:41.100, 2004-020T04:20:41.100	PCKTS_RE_TX_TIME	04-020/04:20:57.8
3926	M1O	04-020/04:31:39.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-018T04:20:41.100, 2004-020T04:20:41.100	PCKTS_RE_TX_TIME	04-020/04:20:58.8
3927	M1O	04-020/04:31:40.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-018T04:20:41.100, 2004-020T04:20:41.100	PCKTS_RE_TX_TIME	04-020/04:20:59.8
3928	M1O	04-020/04:31:41.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-018T04:20:41.100, 2004-020T04:20:41.100	PCKTS_RE_TX_TIME	04-020/04:21:00.8
3929	M1O	04-020/04:31:42.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-018T04:20:41.100, 2004-020T04:20:41.100	PCKTS_RE_TX_TIME	04-020/04:21:01.8
3930	M1O	04-020/04:31:42.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-020/04:21:01.8
3931	M1O	04-020/04:31:42.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3932	M1O	04-020/04:38:43.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/04:28:02.8
3933	M1O	04-020/04:38:43.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3934	M1O	04-020/04:38:44.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/04:28:03.8
3935	M1O	04-020/04:39:00.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-020/04:28:19.8
3936	M1O	04-020/04:39:00.7	14	D/L RF Warning: SC antenna change - expect signal level variation		
3937	M1O	04-020/04:39:01.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-020/04:28:20.8
3938	M1O	04-020/04:39:32.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3939	M1O	04-020/04:41:22.0		CALL, Engine = , Parameters = FALSE	park_hga	04-020/04:30:41.1
3940	M1O	04-020/04:41:22.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/04:30:41.1
3941	M1O	04-020/04:41:23.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-020/04:30:42.1
3942	M1O	04-020/04:41:24.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-020/04:30:43.1
3943	M1O	04-020/04:41:24.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-020/04:30:43.1
3944	M1O	04-020/04:41:24.0		NOTE: START HGA PARK		
3945	M1O	04-020/04:41:24.0	14	NOTE: Loss Of X-Band Signal		
3946	M1O	04-020/04:41:25.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-020/04:30:44.1
3947	M1O	04-020/04:41:26.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-020/04:30:45.1
3948	M1O	04-020/04:45:51.7		NOTE: Periapsis 9313 ----------		04-020/04:35:10.7
3949	M1O	04-020/04:45:56.0		Move the specified appendage o the specified gimbal angles unless inhibited by	APPNDG_GOTO_POS	04-020/04:35:15.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				softstops.: HGA, 873, 873		
3950	M1O	04-020/04:46:07.7		NOTE: South Pole Crossing 9313		04-020/04:35:26.7
3951	M1O	04-020/04:49:26.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-020/04:38:45.1
3952	M1O	04-020/04:49:26.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-020/04:38:45.1
3953	M1O	04-020/04:59:03.0		SPAWN, Engine = 65535, Parameters = 020, 02, TRUE, 00:18:54, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-020/04:48:22.0
3954	M1O	04-020/04:59:04.1		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	04-020/04:48:23.1
3955	M1O	04-020/04:59:06.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-020/04:48:25.1
3956	M1O	04-020/04:59:06.4		CALL, Engine = , Parameters = 020, 02, 254	bld_autosw	04-020/04:48:25.4
3957	M1O	04-020/04:59:07.5		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	04-020/04:48:26.5
3958	M1O	04-020/04:59:08.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:27.6
3959	M1O	04-020/04:59:09.6		Deletes the designated file.: d:/dat/254_doy020_pass02_file01.dat	FILE_DELETE	04-020/04:48:28.6
3960	M1O	04-020/04:59:10.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:29.7
3961	M1O	04-020/04:59:11.7		Deletes the designated file.: d:/dat/254_doy020_pass02_file02.dat	FILE_DELETE	04-020/04:48:30.7
3962	M1O	04-020/04:59:12.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:31.8
3963	M1O	04-020/04:59:13.8		Deletes the designated file.: d:/dat/254_doy020_pass02_file03.dat	FILE_DELETE	04-020/04:48:32.8
3964	M1O	04-020/04:59:14.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:33.9
3965	M1O	04-020/04:59:15.9		Deletes the designated file.: d:/dat/254_doy020_pass02_file04.dat	FILE_DELETE	04-020/04:48:34.9
3966	M1O	04-020/04:59:17.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:36.0
3967	M1O	04-020/04:59:18.0		Deletes the designated file.: d:/dat/254_doy020_pass02_file05.dat	FILE_DELETE	04-020/04:48:37.0
3968	M1O	04-020/04:59:19.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:38.1
3969	M1O	04-020/04:59:20.1		Deletes the designated file.: d:/dat/254_doy020_pass02_file06.dat	FILE_DELETE	04-020/04:48:39.1
3970	M1O	04-020/04:59:21.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:40.2
3971	M1O	04-020/04:59:22.2		Deletes the designated file.: d:/dat/254_doy020_pass02_file07.dat	FILE_DELETE	04-020/04:48:41.2
3972	M1O	04-020/04:59:23.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:42.3
3973	M1O	04-020/04:59:24.3		Deletes the designated file.: d:/dat/254_doy020_pass02_file08.dat	FILE_DELETE	04-020/04:48:43.3
3974	M1O	04-020/04:59:25.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:44.4
3975	M1O	04-020/04:59:26.4		Deletes the designated file.: d:/dat/254_doy020_pass02_file09.dat	FILE_DELETE	04-020/04:48:45.4
3976	M1O	04-020/04:59:27.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:46.5
3977	M1O	04-020/04:59:28.5		Deletes the designated file.: d:/dat/254_doy020_pass02_file10.dat	FILE_DELETE	04-020/04:48:47.5
3978	M1O	04-020/04:59:29.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:48.6
3979	M1O	04-020/04:59:30.6		Deletes the designated file.: d:/dat/254_doy020_pass02_file11.dat	FILE_DELETE	04-020/04:48:49.6
3980	M1O	04-020/04:59:31.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:50.7
3981	M1O	04-020/04:59:32.7		Deletes the designated file.: d:/dat/254_doy020_pass02_file12.dat	FILE_DELETE	04-020/04:48:51.7
3982	M1O	04-020/04:59:33.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:52.8
3983	M1O	04-020/04:59:34.8		Deletes the designated file.: d:/dat/254_doy020_pass02_file13.dat	FILE_DELETE	04-020/04:48:53.8
3984	M1O	04-020/04:59:35.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:54.9
3985	M1O	04-020/04:59:36.9		Deletes the designated file.: d:/dat/254_doy020_pass02_file14.dat	FILE_DELETE	04-020/04:48:55.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3986	M1O	04-020/04:59:38.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:57.0
3987	M1O	04-020/04:59:39.0		Deletes the designated file.: d:/dat/254_doy020_pass02_file15.dat	FILE_DELETE	04-020/04:48:58.0
3988	M1O	04-020/04:59:40.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:48:59.1
3989	M1O	04-020/04:59:41.1		Deletes the designated file.: d:/dat/254_doy020_pass02_file16.dat	FILE_DELETE	04-020/04:49:00.1
3990	M1O	04-020/04:59:42.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:49:01.2
3991	M1O	04-020/04:59:43.2		Deletes the designated file.: d:/dat/254_doy020_pass02_file17.dat	FILE_DELETE	04-020/04:49:02.2
3992	M1O	04-020/04:59:44.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:49:03.3
3993	M1O	04-020/04:59:45.3		Deletes the designated file.: d:/dat/254_doy020_pass02_file18.dat	FILE_DELETE	04-020/04:49:04.3
3994	M1O	04-020/04:59:46.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/04:49:05.4
3995	M1O	04-020/04:59:47.4		Deletes the designated file.: d:/dat/254_doy020_pass02_file19.dat	FILE_DELETE	04-020/04:49:06.4
3996	M1O	04-020/04:59:48.4		CALL, Engine = , Parameters = 254	get_apid	04-020/04:49:07.4
3997	M1O	04-020/04:59:49.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-020/04:49:08.5
3998	M1O	04-020/04:59:49.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-020/04:49:08.7
3999	M1O	04-020/04:59:50.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-020/04:49:09.8
4000	M1O	04-020/04:59:52.1		CALL, Engine = , Parameters = 254	get_coding	04-020/04:49:11.1
4001	M1O	04-020/04:59:53.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-020/04:49:12.3
4002	M1O	04-020/04:59:54.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-020/04:49:13.5
4003	M1O	04-020/05:00:59.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-020/04:50:18.3
4004	M1O	04-020/05:01:00.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-020/04:50:19.3
4005	M1O	04-020/05:01:01.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-020/04:50:20.3
4006	M1O	04-020/05:01:02.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-020/04:50:21.3
4007	M1O	04-020/05:01:03.3		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-020/04:50:22.3
4008	M1O	04-020/05:01:04.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-020/04:50:23.3
4009	M1O	04-020/05:01:05.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-020/04:50:24.3
4010	M1O	04-020/05:02:55.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/04:52:14.3
4011	M1O	04-020/05:03:05.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-020/04:52:24.3
4012	M1O	04-020/05:13:58.6		NOTE: Enter Solar Eclipse 9313		04-020/05:03:17.6
4013	M1O	04-020/05:15:26.2		NOTE: Ascending Node Crossing 9313		04-020/05:04:45.2
4014	M1O	04-020/05:19:26.0		GV: GV_DESAT_ACTIVE = 1		04-020/05:08:45.0
4015	M1O	04-020/05:19:27.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-020/05:08:46.0
4016	M1O	04-020/05:19:27.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-020/05:08:46.0
4017	M1O	04-020/05:19:57.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-020/05:09:16.3
4018	M1O	04-020/05:19:58.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-020/05:09:17.4
4019	M1O	04-020/05:20:08.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-020/05:09:27.4
4020	M1O	04-020/05:20:09.4		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	04-020/05:09:28.4
4021	M1O	04-020/05:20:10.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-020/05:09:29.4
4022	M1O	04-020/05:20:11.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-020/05:09:30.4
4023	M1O	04-020/05:25:00.0	43	Begin Pre-Cal		
4024	M1O	04-020/05:25:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4025	M1O	04-020/05:25:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4026	M1O	04-020/05:25:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4027	M1O	04-020/05:25:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4028	M1O	04-020/05:25:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
4029	M1O	04-020/05:25:00.0	43	Config: RCV: Parms:		
4030	M1O	04-020/05:25:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
4031	M1O	04-020/05:25:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
4032	M1O	04-020/05:25:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
4033	M1O	04-020/05:29:26.1		GV: GV_DESAT_ACTIVE = 0		04-020/05:18:45.0
4034	M1O	04-020/05:29:27.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-020/05:18:46.0
4035	M1O	04-020/05:29:28.1		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-020/05:18:47.0
4036	M1O	04-020/05:29:29.1		CALL, Engine = , Parameters =	unpark_hga	04-020/05:18:48.0
4037	M1O	04-020/05:29:29.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-020/05:18:48.0
4038	M1O	04-020/05:29:30.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-020/05:18:49.0
4039	M1O	04-020/05:31:49.9		NOTE: Exit Solar Eclipse 9313		04-020/05:21:08.8
4040	M1O	04-020/05:34:00.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-020/05:23:19.0
4041	M1O	04-020/05:34:01.1		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-020/05:23:20.0
4042	M1O	04-020/05:37:26.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4043	M1O	04-020/05:37:26.1		SPAWN, Engine = 65535, Parameters = 00:25:55.961	cstr	04-020/05:26:45.0
4044	M1O	04-020/05:37:26.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/05:26:45.1
4045	M1O	04-020/05:37:27.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/05:26:46.1
4046	M1O	04-020/05:37:28.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-020/05:26:47.1
4047	M1O	04-020/05:37:29.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-020/05:26:48.1
4048	M1O	04-020/05:37:30.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-020/05:26:49.1
4049	M1O	04-020/05:37:40.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-020/05:26:59.1
4050	M1O	04-020/05:37:50.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-020/05:27:09.1
4051	M1O	04-020/05:38:01.1		NOTE: EXIT HGA PARK		
4052	M1O	04-020/05:38:01.1	14	Acquisition Of X-Band Signal		
4053	M1O	04-020/05:38:01.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4054	M1O	04-020/05:42:10.1		NOTE: ENTER HGA KEEP OUT ZONE		
4055	M1O	04-020/05:42:10.1	14	NOTE: Loss Of X-Band Signal		
4056	M1O	04-020/05:42:26.0	14	Range Modulation On: SUP=3.0dB		
4057	M1O	04-020/05:43:26.0	14	Begin Ranging Acquisition		
4058	M1O	04-020/05:45:04.1		NOTE: Apoapsis 9313 -		04-020/05:34:23.0
4059	M1O	04-020/05:45:27.0		NOTE: North Pole Crossing 9313		04-020/05:34:45.8
4060	M1O	04-020/05:45:46.4		NOTE: Enter Planetary Atmosphere 9313		04-020/05:35:05.2
4061	M1O	04-020/05:47:50.1		NOTE: EXIT HGA KEEP OUT ZONE		
4062	M1O	04-020/05:47:50.1	14	Acquisition Of X-Band Signal		
4063	M1O	04-020/05:47:50.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4064	M1O	04-020/05:48:26.6		NOTE: Enter Earth Occultation 9313		04-020/05:37:45.4
4065	M1O	04-020/05:48:26.6	14	NOTE: Loss Of X-Band Signal		
4066	M1O	04-020/05:58:16.0		NOTE: Exit Earth Occultation 9313		04-020/05:47:34.8
4067	M1O	04-020/05:58:16.0	14	Acquisition Of X-Band Signal		
4068	M1O	04-020/05:58:16.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4069	M1O	04-020/05:58:48.2	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4070	M1O	04-020/06:00:57.6		NOTE: Exit Planetary Atmosphere 9313		04-020/05:50:16.4
4071	M1O	04-020/06:03:46.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/05:53:05.0
4072	M1O	04-020/06:03:47.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/05:53:06.0
4073	M1O	04-020/06:03:47.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4074	M1O	04-020/06:03:48.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-020/05:53:07.0
4075	M1O	04-020/06:15:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
4076	M1O	04-020/06:15:26.9		NOTE: Descending Node Crossing 9314		04-020/06:04:45.7
4077	M1O	04-020/06:25:00.0	14	Range Modulation Off		
4078	M1O	04-020/06:30:00.0	14	X-Band Transmitter Off		
4079	M1O	04-020/06:33:37.3	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
4080	M1O	04-020/06:40:00.0	43	Begin Tracking		
4081	M1O	04-020/06:40:00.0	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		
4082	M1O	04-020/06:43:28.0	14	NOTE: Below Uplink Interlock Limit		
4083	M1O	04-020/06:44:23.7		NOTE: Periapsis 9314 ----------		04-020/06:33:42.3
4084	M1O	04-020/06:44:44.7		NOTE: South Pole Crossing 9314		04-020/06:34:03.3
4085	M1O	04-020/06:50:20.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-020/06:39:39.1
4086	M1O	04-020/06:50:22.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/06:39:41.2
4087	M1O	04-020/06:50:22.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4088	M1O	04-020/06:50:22.5	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		
4089	M1O	04-020/06:50:23.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/06:39:42.2
4090	M1O	04-020/06:51:22.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4091	M1O	04-020/06:51:22.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4092	M1O	04-020/06:55:00.0	14	End Tracking		
4093	M1O	04-020/06:56:22.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/06:45:41.2
4094	M1O	04-020/06:56:22.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4095	M1O	04-020/06:56:23.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/06:45:42.2
4096	M1O	04-020/07:10:00.0	14	End Post-Cal		
4097	M1O	04-020/07:10:41.4		SPAWN, Engine = 65535, Parameters =	scdiag	04-020/07:00:00.0
4098	M1O	04-020/07:10:42.5		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-020/07:00:01.1
4099	M1O	04-020/07:10:43.5		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-020/07:00:02.1
4100	M1O	04-020/07:11:44.4		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-020/07:01:03.0
4101	M1O	04-020/07:11:44.6		NOTE: Start Block fsw_diag		04-020/07:01:03.2
4102	M1O	04-020/07:11:45.6		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-020/07:01:04.2
4103	M1O	04-020/07:11:46.6		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	04-020/07:01:05.2
4104	M1O	04-020/07:11:57.6		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	04-020/07:01:16.2
4105	M1O	04-020/07:12:27.6		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-020/07:01:46.2
4106	M1O	04-020/07:12:35.6		NOTE: Enter Solar Eclipse 9314		04-020/07:01:54.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4107	M1O	04-020/07:12:47.6		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-020/07:02:06.2
4108	M1O	04-020/07:12:57.6		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-020/07:02:16.2
4109	M1O	04-020/07:13:17.6		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-020/07:02:36.2
4110	M1O	04-020/07:13:27.6		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-020/07:02:46.2
4111	M1O	04-020/07:13:32.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-020/07:02:51.2
4112	M1O	04-020/07:13:37.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-020/07:02:56.2
4113	M1O	04-020/07:13:42.6		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-020/07:03:01.2
4114	M1O	04-020/07:13:47.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-020/07:03:06.2
4115	M1O	04-020/07:13:52.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-020/07:03:11.2
4116	M1O	04-020/07:14:03.2		NOTE: Ascending Node Crossing 9314		04-020/07:03:21.7
4117	M1O	04-020/07:14:32.6		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-020/07:03:51.2
4118	M1O	04-020/07:14:37.6		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-020/07:03:56.2
4119	M1O	04-020/07:14:42.6		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-020/07:04:01.2
4120	M1O	04-020/07:14:47.6		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-020/07:04:06.2
4121	M1O	04-020/07:14:52.6		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-020/07:04:11.2
4122	M1O	04-020/07:14:53.6		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-020/07:04:12.2
4123	M1O	04-020/07:14:54.6		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-020/07:04:13.2
4124	M1O	04-020/07:14:55.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-020/07:04:14.2
4125	M1O	04-020/07:15:06.6		NOTE: End Block fsw_diag.mod		04-020/07:04:25.2
4126	M1O	04-020/07:30:27.5		NOTE: Exit Solar Eclipse 9314		04-020/07:19:46.0
4127	M1O	04-020/07:39:44.5		SPAWN, Engine = 65535, Parameters = 3, 00:22:10.810, 1	dpt	04-020/07:29:03.0
4128	M1O	04-020/07:39:46.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/07:29:05.1
4129	M1O	04-020/07:39:46.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4130	M1O	04-020/07:39:47.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/07:29:06.1
4131	M1O	04-020/07:40:46.5		NOTE: ENTER HGA KEEP OUT ZONE		
4132	M1O	04-020/07:40:46.5	43	NOTE: Loss Of X-Band Signal		
4133	M1O	04-020/07:43:22.6		NOTE: Apoapsis 9314 -		04-020/07:32:41.1
4134	M1O	04-020/07:44:03.2		NOTE: North Pole Crossing 9314		04-020/07:33:21.7
4135	M1O	04-020/07:44:18.5		NOTE: Enter Planetary Atmosphere 9314		04-020/07:33:37.0
4136	M1O	04-020/07:46:26.5		NOTE: EXIT HGA KEEP OUT ZONE		
4137	M1O	04-020/07:46:26.5	43	Acquisition Of X-Band Signal		
4138	M1O	04-020/07:46:26.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4139	M1O	04-020/07:46:56.7		NOTE: Enter Earth Occultation 9314		04-020/07:36:15.1
4140	M1O	04-020/07:46:56.7	43	NOTE: Loss Of X-Band Signal		
4141	M1O	04-020/07:56:57.3		NOTE: Exit Earth Occultation 9314		04-020/07:46:15.8
4142	M1O	04-020/07:56:57.3	43	Acquisition Of X-Band Signal		
4143	M1O	04-020/07:56:57.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4144	M1O	04-020/07:59:36.9		NOTE: Exit Planetary Atmosphere 9314		04-020/07:48:55.3
4145	M1O	04-020/08:01:57.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/07:51:15.9
4146	M1O	04-020/08:01:57.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4147	M1O	04-020/08:01:58.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/07:51:16.9
4148	M1O	04-020/08:14:02.3		NOTE: Descending Node Crossing 9315		04-020/08:03:20.6
4149	M1O	04-020/08:42:59.2		NOTE: Periapsis 9315 ----------		04-020/08:32:17.5
4150	M1O	04-020/08:43:20.0		NOTE: South Pole Crossing 9315		04-020/08:32:38.3
4151	M1O	04-020/09:07:36.7		SPAWN, Engine = 65535, Parameters = 020, 01, FALSE, 00:15:52.342, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-020/08:56:55.0
4152	M1O	04-020/09:07:37.8		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	04-020/08:56:56.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4153	M1O	04-020/09:07:39.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-020/08:56:58.1
4154	M1O	04-020/09:08:22.0		CALL, Engine = , Parameters = 56	get_apid	04-020/08:57:40.3
4155	M1O	04-020/09:08:23.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-020/08:57:41.4
4156	M1O	04-020/09:08:23.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-020/08:57:41.6
4157	M1O	04-020/09:08:24.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-020/08:57:42.7
4158	M1O	04-020/09:08:25.6		CALL, Engine = , Parameters = 56	get_coding	04-020/08:57:43.9
4159	M1O	04-020/09:08:26.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-020/08:57:45.1
4160	M1O	04-020/09:08:28.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-020/08:57:46.3
4161	M1O	04-020/09:09:32.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-020/08:58:51.1
4162	M1O	04-020/09:09:33.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-020/08:58:52.1
4163	M1O	04-020/09:09:34.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-020/08:58:53.1
4164	M1O	04-020/09:09:35.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-020/08:58:54.1
4165	M1O	04-020/09:09:36.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-020/08:58:55.1
4166	M1O	04-020/09:09:37.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-020/08:58:56.1
4167	M1O	04-020/09:09:38.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-020/08:58:57.1
4168	M1O	04-020/09:11:10.7		NOTE: Enter Solar Eclipse 9315		04-020/09:00:28.9
4169	M1O	04-020/09:12:38.5		NOTE: Ascending Node Crossing 9315		04-020/09:01:56.7
4170	M1O	04-020/09:25:27.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-020/09:14:45.4
4171	M1O	04-020/09:25:28.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-020/09:14:46.5
4172	M1O	04-020/09:25:38.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-020/09:14:56.5
4173	M1O	04-020/09:25:39.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-020/09:14:57.5
4174	M1O	04-020/09:29:06.0		NOTE: Exit Solar Eclipse 9315		04-020/09:18:24.2
4175	M1O	04-020/09:38:19.8		SPAWN, Engine = 65535, Parameters = 3, 00:22:16.960, 1	dpt	04-020/09:27:38.0
4176	M1O	04-020/09:38:21.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/09:27:40.1
4177	M1O	04-020/09:38:21.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4178	M1O	04-020/09:38:22.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/09:27:41.1
4179	M1O	04-020/09:39:21.8		NOTE: ENTER HGA KEEP OUT ZONE		
4180	M1O	04-020/09:39:21.8	43	NOTE: Loss Of X-Band Signal		
4181	M1O	04-020/09:41:54.9		NOTE: Apoapsis 9315 -		04-020/09:31:13.0
4182	M1O	04-020/09:42:37.4		NOTE: North Pole Crossing 9315		04-020/09:31:55.5
4183	M1O	04-020/09:42:45.0		NOTE: Enter Planetary Atmosphere 9315		04-020/09:32:03.1
4184	M1O	04-020/09:45:01.9		NOTE: EXIT HGA KEEP OUT ZONE		
4185	M1O	04-020/09:45:01.9	43	Acquisition Of X-Band Signal		
4186	M1O	04-020/09:45:01.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4187	M1O	04-020/09:45:20.0		NOTE: Enter Earth Occultation 9315		04-020/09:34:38.1
4188	M1O	04-020/09:45:20.0	43	NOTE: Loss Of X-Band Signal		
4189	M1O	04-020/09:55:38.9		NOTE: Exit Earth Occultation 9315		04-020/09:44:56.9
4190	M1O	04-020/09:55:38.9	43	Acquisition Of X-Band Signal		
4191	M1O	04-020/09:55:38.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4192	M1O	04-020/09:58:15.2		NOTE: Exit Planetary Atmosphere 9315		04-020/09:47:33.3
4193	M1O	04-020/10:00:39.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/09:49:57.0
4194	M1O	04-020/10:00:39.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4195	M1O	04-020/10:00:40.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/09:49:58.0
4196	M1O	04-020/10:12:35.1		NOTE: Descending Node Crossing 9316		04-020/10:01:53.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4197	M1O	04-020/10:15:00.0	63	Begin Pre-Cal		
4198	M1O	04-020/10:15:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4199	M1O	04-020/10:15:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4200	M1O	04-020/10:15:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4201	M1O	04-020/10:15:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4202	M1O	04-020/10:15:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
4203	M1O	04-020/10:15:00.0	63	Config: RCV: Parms:		
4204	M1O	04-020/10:15:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
4205	M1O	04-020/10:15:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
4206	M1O	04-020/10:15:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
4207	M1O	04-020/10:41:32.3		NOTE: Periapsis 9316 ----------		04-020/10:30:50.2
4208	M1O	04-020/10:41:52.4		NOTE: South Pole Crossing 9316		04-020/10:31:10.3
4209	M1O	04-020/11:03:41.1		SPAWN, Engine = 65535, Parameters = 020, 02, FALSE, 00:18:11.946, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-020/10:52:59.0
4210	M1O	04-020/11:03:42.2		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	04-020/10:53:00.1
4211	M1O	04-020/11:03:44.2		CALL, Engine = , Parameters = 56	get_cmd_opt	04-020/10:53:02.1
4212	M1O	04-020/11:04:26.4		CALL, Engine = , Parameters = 56	get_apid	04-020/10:53:44.3
4213	M1O	04-020/11:04:27.5		CALL, Engine = , Parameters = 56	get_rcv_mode	04-020/10:53:45.4
4214	M1O	04-020/11:04:27.7		CALL, Engine = , Parameters = 56	get_dl_rate	04-020/10:53:45.6
4215	M1O	04-020/11:04:28.8		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-020/10:53:46.7
4216	M1O	04-020/11:04:30.0		CALL, Engine = , Parameters = 56	get_coding	04-020/10:53:47.9
4217	M1O	04-020/11:04:31.2		CALL, Engine = , Parameters = 56	get_xmt_mode	04-020/10:53:49.1
4218	M1O	04-020/11:04:32.4		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-020/10:53:50.3
4219	M1O	04-020/11:05:37.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-020/10:54:55.1
4220	M1O	04-020/11:05:38.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-020/10:54:56.1
4221	M1O	04-020/11:05:39.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-020/10:54:57.1
4222	M1O	04-020/11:05:40.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-020/10:54:58.1
4223	M1O	04-020/11:05:41.2		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-020/10:54:59.1
4224	M1O	04-020/11:05:42.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-020/10:55:00.1
4225	M1O	04-020/11:05:43.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-020/10:55:01.1
4226	M1O	04-020/11:09:42.1		NOTE: Enter Solar Eclipse 9316		04-020/10:58:59.9
4227	M1O	04-020/11:11:10.5		NOTE: Ascending Node Crossing 9316		04-020/11:00:28.3
4228	M1O	04-020/11:23:51.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-020/11:13:09.0
4229	M1O	04-020/11:23:52.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-020/11:13:10.1
4230	M1O	04-020/11:24:02.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-020/11:13:20.1
4231	M1O	04-020/11:24:03.3		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	04-020/11:13:21.1
4232	M1O	04-020/11:27:39.6		NOTE: Exit Solar Eclipse 9316		04-020/11:16:57.3
4233	M1O	04-020/11:36:53.2		SPAWN, Engine = 65535, Parameters = 3, 00:22:16.863, 1	dpt	04-020/11:26:11.0
4234	M1O	04-020/11:36:55.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/11:26:13.1
4235	M1O	04-020/11:36:55.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4236	M1O	04-020/11:36:56.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/11:26:14.1
4237	M1O	04-020/11:37:55.2		NOTE: ENTER HGA KEEP OUT ZONE		
4238	M1O	04-020/11:37:55.2	43	NOTE: Loss Of X-Band Signal		
4239	M1O	04-020/11:40:35.3		NOTE: Apoapsis 9316 -		04-020/11:29:53.0
4240	M1O	04-020/11:41:09.1		NOTE: North Pole Crossing 9316		04-020/11:30:26.9
4241	M1O	04-020/11:41:13.9		NOTE: Enter Planetary Atmosphere 9316		04-020/11:30:31.6
4242	M1O	04-020/11:43:48.1		NOTE: Enter Earth Occultation 9316		04-020/11:33:05.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4243	M1O	04-020/11:43:55.2		NOTE: EXIT HGA KEEP OUT ZONE		
4244	M1O	04-020/11:54:12.1		NOTE: Exit Earth Occultation 9316		04-020/11:43:29.8
4245	M1O	04-020/11:54:12.1	43	Acquisition Of X-Band Signal		
4246	M1O	04-020/11:54:12.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4247	M1O	04-020/11:56:47.7		NOTE: Exit Planetary Atmosphere 9316		04-020/11:46:05.4
4248	M1O	04-020/11:59:12.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/11:48:29.9
4249	M1O	04-020/11:59:12.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4250	M1O	04-020/11:59:13.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/11:48:30.9
4251	M1O	04-020/12:00:00.0	63	Begin Tracking		
4252	M1O	04-020/12:00:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4253	M1O	04-020/12:01:36.0	63	NOTE: Above Uplink Interlock Limit		
4254	M1O	04-020/12:08:35.0	43	NOTE: Below Uplink Interlock Limit		
4255	M1O	04-020/12:11:06.7		NOTE: Descending Node Crossing 9317		04-020/12:00:24.3
4256	M1O	04-020/12:20:00.0	43	End Tracking		
4257	M1O	04-020/12:35:00.0	43	End Post-Cal		
4258	M1O	04-020/12:39:53.3		NOTE: Periapsis 9317 ----------		04-020/12:29:10.8
4259	M1O	04-020/12:40:23.1		NOTE: South Pole Crossing 9317		04-020/12:29:40.6
4260	M1O	04-020/13:08:13.4		NOTE: Enter Solar Eclipse 9317		04-020/12:57:30.8
4261	M1O	04-020/13:09:40.8		NOTE: Ascending Node Crossing 9317		04-020/12:58:58.2
4262	M1O	04-020/13:26:05.1		NOTE: Exit Solar Eclipse 9317		04-020/13:15:22.5
4263	M1O	04-020/13:35:04.6		SPAWN, Engine = 65535, Parameters = 3, 00:22:28.064, 1	dpt	04-020/13:24:22.0
4264	M1O	04-020/13:35:06.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/13:24:24.1
4265	M1O	04-020/13:35:06.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4266	M1O	04-020/13:35:07.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/13:24:25.1
4267	M1O	04-020/13:36:06.6		NOTE: ENTER HGA KEEP OUT ZONE		
4268	M1O	04-020/13:36:06.6	63	NOTE: Loss Of X-Band Signal		
4269	M1O	04-020/13:38:54.5		NOTE: Apoapsis 9317 -		04-020/13:28:11.9
4270	M1O	04-020/13:39:40.6		NOTE: North Pole Crossing 9317		04-020/13:28:58.0
4271	M1O	04-020/13:39:53.1		NOTE: Enter Planetary Atmosphere 9317		04-020/13:29:10.4
4272	M1O	04-020/13:42:26.6		NOTE: EXIT HGA KEEP OUT ZONE		
4273	M1O	04-020/13:42:26.6	63	Acquisition Of X-Band Signal		
4274	M1O	04-020/13:42:26.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4275	M1O	04-020/13:42:30.7		NOTE: Enter Earth Occultation 9317		04-020/13:31:48.0
4276	M1O	04-020/13:42:30.7	63	NOTE: Loss Of X-Band Signal		
4277	M1O	04-020/13:52:34.7		NOTE: Exit Earth Occultation 9317		04-020/13:41:52.0
4278	M1O	04-020/13:52:34.7	63	Acquisition Of X-Band Signal		
4279	M1O	04-020/13:52:34.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4280	M1O	04-020/13:55:13.9		NOTE: Exit Planetary Atmosphere 9317		04-020/13:44:31.2
4281	M1O	04-020/13:57:34.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/13:46:52.1
4282	M1O	04-020/13:57:34.8	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4283	M1O	04-020/13:57:35.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/13:46:53.1
4284	M1O	04-020/14:09:39.1		NOTE: Descending Node Crossing 9318		04-020/13:58:56.4
4285	M1O	04-020/14:38:09.3		NOTE: Periapsis 9318 ----------		04-020/14:27:26.5
4286	M1O	04-020/14:38:56.0		NOTE: South Pole Crossing 9318		04-020/14:28:13.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4287	M1O	04-020/15:06:50.3		NOTE: Enter Solar Eclipse 9318		04-020/14:56:07.4
4288	M1O	04-020/15:08:14.9		NOTE: Ascending Node Crossing 9318		04-020/14:57:32.0
4289	M1O	04-020/15:24:33.3		NOTE: Exit Solar Eclipse 9318		04-020/15:13:50.3
4290	M1O	04-020/15:33:57.0		SPAWN, Engine = 65535, Parameters = 3, 00:22:00.079, 1	dpt	04-020/15:23:14.0
4291	M1O	04-020/15:33:59.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/15:23:16.1
4292	M1O	04-020/15:33:59.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4293	M1O	04-020/15:34:00.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/15:23:17.1
4294	M1O	04-020/15:34:59.0		NOTE: ENTER HGA KEEP OUT ZONE		
4295	M1O	04-020/15:34:59.0	63	NOTE: Loss Of X-Band Signal		
4296	M1O	04-020/15:37:17.9		NOTE: Apoapsis 9318 -		04-020/15:26:34.9
4297	M1O	04-020/15:38:15.4		NOTE: North Pole Crossing 9318		04-020/15:27:32.3
4298	M1O	04-020/15:38:36.2		NOTE: Enter Planetary Atmosphere 9318		04-020/15:27:53.2
4299	M1O	04-020/15:40:39.0		NOTE: EXIT HGA KEEP OUT ZONE		
4300	M1O	04-020/15:40:39.0	63	Acquisition Of X-Band Signal		
4301	M1O	04-020/15:40:39.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4302	M1O	04-020/15:41:17.9		NOTE: Enter Earth Occultation 9318		04-020/15:30:34.9
4303	M1O	04-020/15:41:17.9	63	NOTE: Loss Of X-Band Signal		
4304	M1O	04-020/15:50:59.1		NOTE: Exit Earth Occultation 9318		04-020/15:40:16.0
4305	M1O	04-020/15:50:59.1	63	Acquisition Of X-Band Signal		
4306	M1O	04-020/15:50:59.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4307	M1O	04-020/15:53:42.3		NOTE: Exit Planetary Atmosphere 9318		04-020/15:42:59.2
4308	M1O	04-020/15:55:59.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/15:45:16.1
4309	M1O	04-020/15:55:59.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4310	M1O	04-020/15:56:00.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/15:45:17.1
4311	M1O	04-020/16:02:35.1		SPAWN, Engine = 65535, Parameters = 020, 03, TRUE, 00:17:44, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-020/15:51:52.0
4312	M1O	04-020/16:02:35.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/15:51:52.5
4313	M1O	04-020/16:02:35.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4314	M1O	04-020/16:02:36.2		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	04-020/15:51:53.1
4315	M1O	04-020/16:02:38.2		CALL, Engine = , Parameters = 254	get_cmd_opt	04-020/15:51:55.1
4316	M1O	04-020/16:02:38.5		CALL, Engine = , Parameters = 020, 03, 254	bld_autosw	04-020/15:51:55.4
4317	M1O	04-020/16:02:39.6		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-020/15:51:56.5
4318	M1O	04-020/16:02:40.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:51:57.6
4319	M1O	04-020/16:02:41.7		Deletes the designated file.: d:/dat/254_doy020_pass03_file01.dat	FILE_DELETE	04-020/15:51:58.6
4320	M1O	04-020/16:02:42.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:51:59.7
4321	M1O	04-020/16:02:43.8		Deletes the designated file.: d:/dat/254_doy020_pass03_file02.dat	FILE_DELETE	04-020/15:52:00.7
4322	M1O	04-020/16:02:44.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:01.8
4323	M1O	04-020/16:02:45.9		Deletes the designated file.: d:/dat/254_doy020_pass03_file03.dat	FILE_DELETE	04-020/15:52:02.8
4324	M1O	04-020/16:02:47.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:03.9
4325	M1O	04-020/16:02:48.0		Deletes the designated file.: d:/dat/254_doy020_pass03_file04.dat	FILE_DELETE	04-020/15:52:04.9
4326	M1O	04-020/16:02:49.1		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-020/15:52:06.0

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				d:/dat/254_doy020_pass03_file05.dat, d:/dat/autoswitch.dat		
4327	M1O	04-020/16:02:50.1		Deletes the designated file.: d:/dat/254_doy020_pass03_file05.dat	FILE_DELETE	04-020/15:52:07.0
4328	M1O	04-020/16:02:51.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:08.1
4329	M1O	04-020/16:02:52.2		Deletes the designated file.: d:/dat/254_doy020_pass03_file06.dat	FILE_DELETE	04-020/15:52:09.1
4330	M1O	04-020/16:02:53.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:10.2
4331	M1O	04-020/16:02:54.3		Deletes the designated file.: d:/dat/254_doy020_pass03_file07.dat	FILE_DELETE	04-020/15:52:11.2
4332	M1O	04-020/16:02:55.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:12.3
4333	M1O	04-020/16:02:56.4		Deletes the designated file.: d:/dat/254_doy020_pass03_file08.dat	FILE_DELETE	04-020/15:52:13.3
4334	M1O	04-020/16:02:57.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:14.4
4335	M1O	04-020/16:02:58.5		Deletes the designated file.: d:/dat/254_doy020_pass03_file09.dat	FILE_DELETE	04-020/15:52:15.4
4336	M1O	04-020/16:02:59.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:16.5
4337	M1O	04-020/16:03:00.6		Deletes the designated file.: d:/dat/254_doy020_pass03_file10.dat	FILE_DELETE	04-020/15:52:17.5
4338	M1O	04-020/16:03:01.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:18.6
4339	M1O	04-020/16:03:02.7		Deletes the designated file.: d:/dat/254_doy020_pass03_file11.dat	FILE_DELETE	04-020/15:52:19.6
4340	M1O	04-020/16:03:03.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:20.7
4341	M1O	04-020/16:03:04.8		Deletes the designated file.: d:/dat/254_doy020_pass03_file12.dat	FILE_DELETE	04-020/15:52:21.7
4342	M1O	04-020/16:03:05.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:22.8
4343	M1O	04-020/16:03:06.9		Deletes the designated file.: d:/dat/254_doy020_pass03_file13.dat	FILE_DELETE	04-020/15:52:23.8
4344	M1O	04-020/16:03:08.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:24.9
4345	M1O	04-020/16:03:09.0		Deletes the designated file.: d:/dat/254_doy020_pass03_file14.dat	FILE_DELETE	04-020/15:52:25.9
4346	M1O	04-020/16:03:10.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:27.0
4347	M1O	04-020/16:03:11.1		Deletes the designated file.: d:/dat/254_doy020_pass03_file15.dat	FILE_DELETE	04-020/15:52:28.0
4348	M1O	04-020/16:03:12.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:29.1
4349	M1O	04-020/16:03:13.2		Deletes the designated file.: d:/dat/254_doy020_pass03_file16.dat	FILE_DELETE	04-020/15:52:30.1
4350	M1O	04-020/16:03:14.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:31.2
4351	M1O	04-020/16:03:15.3		Deletes the designated file.: d:/dat/254_doy020_pass03_file17.dat	FILE_DELETE	04-020/15:52:32.2
4352	M1O	04-020/16:03:16.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:33.3
4353	M1O	04-020/16:03:17.4		Deletes the designated file.: d:/dat/254_doy020_pass03_file18.dat	FILE_DELETE	04-020/15:52:34.3
4354	M1O	04-020/16:03:18.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy020_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-020/15:52:35.4
4355	M1O	04-020/16:03:19.5		Deletes the designated file.: d:/dat/254_doy020_pass03_file19.dat	FILE_DELETE	04-020/15:52:36.4
4356	M1O	04-020/16:03:20.5		CALL, Engine = , Parameters = 254	get_apid	04-020/15:52:37.4
4357	M1O	04-020/16:03:21.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-020/15:52:38.5
4358	M1O	04-020/16:03:21.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-020/15:52:38.7
4359	M1O	04-020/16:03:22.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-020/15:52:39.8
4360	M1O	04-020/16:03:24.2		CALL, Engine = , Parameters = 254	get_coding	04-020/15:52:41.1
4361	M1O	04-020/16:03:25.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-020/15:52:42.3
4362	M1O	04-020/16:03:26.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-020/15:52:43.5
4363	M1O	04-020/16:04:31.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-020/15:53:48.3
4364	M1O	04-020/16:04:32.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-020/15:53:49.3
4365	M1O	04-020/16:04:33.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-020/15:53:50.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4366	M1O	04-020/16:04:34.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-020/15:53:51.3
4367	M1O	04-020/16:04:35.4		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-020/15:53:52.3
4368	M1O	04-020/16:04:36.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-020/15:53:53.3
4369	M1O	04-020/16:04:37.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-020/15:53:54.3
4370	M1O	04-020/16:06:27.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/15:55:44.3
4371	M1O	04-020/16:06:37.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-020/15:55:54.3
4372	M1O	04-020/16:08:14.2		NOTE: Descending Node Crossing 9319		04-020/15:57:31.1
4373	M1O	04-020/16:22:19.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-020/16:11:36.3
4374	M1O	04-020/16:22:20.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-020/16:11:37.4
4375	M1O	04-020/16:22:30.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-020/16:11:47.4
4376	M1O	04-020/16:22:31.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-020/16:11:48.4
4377	M1O	04-020/16:22:32.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-020/16:11:49.4
4378	M1O	04-020/16:22:32.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4379	M1O	04-020/16:22:33.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-020/16:11:50.4
4380	M1O	04-020/16:27:32.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/16:16:49.0
4381	M1O	04-020/16:27:32.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4382	M1O	04-020/16:36:59.8		NOTE: Periapsis 9319 ----------		04-020/16:26:16.5
4383	M1O	04-020/16:37:32.5		NOTE: South Pole Crossing 9319		04-020/16:26:49.3
4384	M1O	04-020/16:55:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4385	M1O	04-020/16:57:47.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
4386	M1O	04-020/17:00:00.0	63	Range Modulation On: SUP=3.0dB		
4387	M1O	04-020/17:01:00.0	63	Begin Ranging Acquisition		
4388	M1O	04-020/17:05:27.5		NOTE: Enter Solar Eclipse 9319		04-020/16:54:44.2
4389	M1O	04-020/17:06:52.2		NOTE: Ascending Node Crossing 9319		04-020/16:56:08.9
4390	M1O	04-020/17:07:47.0	63	Range Modulation Off		
4391	M1O	04-020/17:12:47.0	63	X-Band Transmitter Off		
4392	M1O	04-020/17:15:23.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-020/17:04:40.2
4393	M1O	04-020/17:15:25.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/17:04:42.3
4394	M1O	04-020/17:15:25.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4395	M1O	04-020/17:15:26.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/17:04:43.3
4396	M1O	04-020/17:16:26.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4397	M1O	04-020/17:21:25.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/17:10:42.3
4398	M1O	04-020/17:21:25.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4399	M1O	04-020/17:21:26.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/17:10:43.3
4400	M1O	04-020/17:23:09.0		NOTE: Exit Solar Eclipse 9319		04-020/17:12:25.6
4401	M1O	04-020/17:28:37.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4402	M1O	04-020/17:33:10.6		SPAWN, Engine = 65535, Parameters = 3, 00:21:50, 1	dpt	04-020/17:22:27.2
4403	M1O	04-020/17:33:12.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/17:22:29.3
4404	M1O	04-020/17:33:12.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4405	M1O	04-020/17:33:13.7		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-020/17:22:30.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
4406	M1O	04-020/17:33:37.0	63	Range Modulation On: SUP=3.0dB		
4407	M1O	04-020/17:34:13.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4408	M1O	04-020/17:34:14.3		NOTE: ENTER HGA KEEP OUT ZONE		
4409	M1O	04-020/17:34:14.3	63	NOTE: Loss Of X-Band Signal		
4410	M1O	04-020/17:34:37.0	63	Begin Ranging Acquisition		
4411	M1O	04-020/17:36:16.5		NOTE: Apoapsis 9319 -		04-020/17:25:33.0
4412	M1O	04-020/17:36:52.0		NOTE: North Pole Crossing 9319		04-020/17:26:08.6
4413	M1O	04-020/17:37:15.0		NOTE: Enter Planetary Atmosphere 9319		04-020/17:26:31.6
4414	M1O	04-020/17:38:34.4		NOTE: EXIT HGA KEEP OUT ZONE		
4415	M1O	04-020/17:38:34.4	63	Acquisition Of X-Band Signal		
4416	M1O	04-020/17:38:34.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4417	M1O	04-020/17:39:58.4		NOTE: Enter Earth Occultation 9319		04-020/17:29:15.0
4418	M1O	04-020/17:39:58.4	63	NOTE: Loss Of X-Band Signal		
4419	M1O	04-020/17:49:30.7		NOTE: Exit Earth Occultation 9319		04-020/17:38:47.3
4420	M1O	04-020/17:49:30.7	63	Acquisition Of X-Band Signal		
4421	M1O	04-020/17:49:30.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4422	M1O	04-020/17:50:03.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4423	M1O	04-020/17:52:15.5		NOTE: Exit Planetary Atmosphere 9319		04-020/17:41:32.0
4424	M1O	04-020/17:55:02.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/17:44:19.3
4425	M1O	04-020/17:55:02.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4426	M1O	04-020/17:55:03.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/17:44:20.3
4427	M1O	04-020/18:01:10.4		SPAWN, Engine = 65535, Parameters = 020, 04, FALSE, 00:15:42.494, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-020/17:50:27.0
4428	M1O	04-020/18:01:11.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-020/17:50:28.1
4429	M1O	04-020/18:01:13.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-020/17:50:30.1
4430	M1O	04-020/18:01:55.7		CALL, Engine = , Parameters = 254	get_apid	04-020/17:51:12.3
4431	M1O	04-020/18:01:56.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-020/17:51:13.4
4432	M1O	04-020/18:01:57.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-020/17:51:13.6
4433	M1O	04-020/18:01:58.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-020/17:51:14.7
4434	M1O	04-020/18:01:59.4		CALL, Engine = , Parameters = 254	get_coding	04-020/17:51:16.0
4435	M1O	04-020/18:02:00.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-020/17:51:17.2
4436	M1O	04-020/18:02:01.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-020/17:51:18.4
4437	M1O	04-020/18:03:06.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-020/17:52:23.2
4438	M1O	04-020/18:03:07.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-020/17:52:24.2
4439	M1O	04-020/18:03:08.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-020/17:52:25.2
4440	M1O	04-020/18:03:09.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-020/17:52:26.2
4441	M1O	04-020/18:03:10.6		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-020/17:52:27.2
4442	M1O	04-020/18:03:11.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-020/17:52:28.2
4443	M1O	04-020/18:03:12.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-020/17:52:29.2
4444	M1O	04-020/18:06:50.9		NOTE: Descending Node Crossing 9320		04-020/17:56:07.4
4445	M1O	04-020/18:18:51.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-020/18:08:07.6
4446	M1O	04-020/18:18:52.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-020/18:08:08.7
4447	M1O	04-020/18:19:02.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-020/18:08:18.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4448	M1O	04-020/18:19:03.3		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	04-020/18:08:19.7
4449	M1O	04-020/18:36:00.8		NOTE: Periapsis 9320 ----------		04-020/18:25:17.2
4450	M1O	04-020/18:36:09.8		NOTE: South Pole Crossing 9320		04-020/18:25:26.2
4451	M1O	04-020/18:45:00.0	14	Begin Pre-Cal		
4452	M1O	04-020/18:45:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4453	M1O	04-020/18:45:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4454	M1O	04-020/18:45:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4455	M1O	04-020/18:45:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4456	M1O	04-020/18:45:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
4457	M1O	04-020/18:45:00.0	14	Config: RCV: Parms:		
4458	M1O	04-020/18:45:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
4459	M1O	04-020/18:45:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
4460	M1O	04-020/18:45:00.0	14	Config: TXL		
4461	M1O	04-020/18:45:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
4462	M1O	04-020/18:45:00.0	14	Config: CMD		
4463	M1O	04-020/18:45:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
4464	M1O	04-020/18:57:22.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
4465	M1O	04-020/19:04:02.4		NOTE: Enter Solar Eclipse 9320		04-020/18:53:18.7
4466	M1O	04-020/19:05:29.1		NOTE: Ascending Node Crossing 9320		04-020/18:54:45.5
4467	M1O	04-020/19:07:22.0	63	Range Modulation Off		
4468	M1O	04-020/19:12:22.0	63	X-Band Transmitter Off		
4469	M1O	04-020/19:21:46.6		NOTE: Exit Solar Eclipse 9320		04-020/19:11:02.9
4470	M1O	04-020/19:27:10.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4471	M1O	04-020/19:32:10.0	63	Range Modulation On: SUP=3.0dB		
4472	M1O	04-020/19:32:47.1		SPAWN, Engine = 65535, Parameters = 3, 00:20:48, 1	dpt	04-020/19:22:03.3
4473	M1O	04-020/19:32:49.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/19:22:05.4
4474	M1O	04-020/19:32:49.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4475	M1O	04-020/19:32:50.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/19:22:06.4
4476	M1O	04-020/19:33:10.0	63	Begin Ranging Acquisition		
4477	M1O	04-020/19:33:49.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4478	M1O	04-020/19:33:50.7		NOTE: ENTER HGA KEEP OUT ZONE		
4479	M1O	04-020/19:33:50.7	63	NOTE: Loss Of X-Band Signal		
4480	M1O	04-020/19:35:18.8		NOTE: Apoapsis 9320 -		04-020/19:24:35.0
4481	M1O	04-020/19:35:28.7		NOTE: North Pole Crossing 9320		04-020/19:24:45.0
4482	M1O	04-020/19:35:51.0		NOTE: Enter Planetary Atmosphere 9320		04-020/19:25:07.2
4483	M1O	04-020/19:36:30.7		NOTE: EXIT HGA KEEP OUT ZONE		
4484	M1O	04-020/19:36:30.7	63	Acquisition Of X-Band Signal		
4485	M1O	04-020/19:36:30.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4486	M1O	04-020/19:38:34.6		NOTE: Enter Earth Occultation 9320		04-020/19:27:50.8
4487	M1O	04-020/19:38:34.6	63	NOTE: Loss Of X-Band Signal		
4488	M1O	04-020/19:41:00.0	63	Range Modulation Off		
4489	M1O	04-020/19:45:00.0	14	Begin Tracking		
4490	M1O	04-020/19:46:00.0	14	U/L Transfer From DSS-63 to DSS-14: PWR=20.0, BR=125.0		
4491	M1O	04-020/19:48:06.1		NOTE: Exit Earth Occultation 9320		04-020/19:37:22.2
4492	M1O	04-020/19:48:06.1	14	Acquisition Of X-Band Signal		
4493	M1O	04-020/19:48:06.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4494	M1O	04-020/19:48:06.1	63	Acquisition Of X-Band Signal		
4495	M1O	04-020/19:48:06.1	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		
4496	M1O	04-020/19:48:37.5	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		
4497	M1O	04-020/19:48:37.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4498	M1O	04-020/19:50:51.0		NOTE: Exit Planetary Atmosphere 9320		04-020/19:40:07.2
4499	M1O	04-020/19:51:00.0	14	Range Modulation On: SUP=3.0dB		
4500	M1O	04-020/19:52:00.0	14	Begin Ranging Acquisition		
4501	M1O	04-020/19:53:37.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/19:42:53.4
4502	M1O	04-020/19:53:37.3	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		
4503	M1O	04-020/19:53:37.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4504	M1O	04-020/19:53:38.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/19:42:54.4
4505	M1O	04-020/20:00:00.0	63	End Tracking		
4506	M1O	04-020/20:05:27.9		NOTE: Descending Node Crossing 9321		04-020/19:54:44.0
4507	M1O	04-020/20:07:27.6	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4508	M1O	04-020/20:15:00.0	63	End Post-Cal		
4509	M1O	04-020/20:34:46.0		NOTE: South Pole Crossing 9321		04-020/20:24:02.0
4510	M1O	04-020/20:34:49.9		NOTE: Periapsis 9321 ----------		04-020/20:24:05.9
4511	M1O	04-020/20:55:39.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
4512	M1O	04-020/21:02:34.9		NOTE: Enter Solar Eclipse 9321		04-020/20:51:50.9
4513	M1O	04-020/21:04:04.2		NOTE: Ascending Node Crossing 9321		04-020/20:53:20.2
4514	M1O	04-020/21:05:39.0	14	Range Modulation Off		
4515	M1O	04-020/21:10:39.0	14	X-Band Transmitter Off		
4516	M1O	04-020/21:20:23.9		NOTE: Exit Solar Eclipse 9321		04-020/21:09:39.8
4517	M1O	04-020/21:25:49.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4518	M1O	04-020/21:30:49.0	14	Range Modulation On: SUP=3.0dB		
4519	M1O	04-020/21:31:04.5		SPAWN, Engine = 65535, Parameters = 3, 00:21:10, 1	dpt	04-020/21:20:20.3
4520	M1O	04-020/21:31:06.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/21:20:22.4
4521	M1O	04-020/21:31:06.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4522	M1O	04-020/21:31:07.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/21:20:23.4
4523	M1O	04-020/21:31:49.0	14	Begin Ranging Acquisition		
4524	M1O	04-020/21:32:07.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4525	M1O	04-020/21:32:08.1		NOTE: ENTER HGA KEEP OUT ZONE		
4526	M1O	04-020/21:32:08.1	14	NOTE: Loss Of X-Band Signal		
4527	M1O	04-020/21:33:54.9		NOTE: Apoapsis 9321 -		04-020/21:23:10.7
4528	M1O	04-020/21:34:03.6		NOTE: North Pole Crossing 9321		04-020/21:23:19.5
4529	M1O	04-020/21:34:21.6		NOTE: Enter Planetary Atmosphere 9321		04-020/21:23:37.4
4530	M1O	04-020/21:35:28.1		NOTE: EXIT HGA KEEP OUT ZONE		
4531	M1O	04-020/21:35:28.1	14	Acquisition Of X-Band Signal		
4532	M1O	04-020/21:35:28.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4533	M1O	04-020/21:37:03.3		NOTE: Enter Earth Occultation 9321		04-020/21:26:19.1
4534	M1O	04-020/21:37:03.3	14	NOTE: Loss Of X-Band Signal		
4535	M1O	04-020/21:46:45.5		NOTE: Exit Earth Occultation 9321		04-020/21:36:01.3
4536	M1O	04-020/21:46:45.5	14	Acquisition Of X-Band Signal		
4537	M1O	04-020/21:46:45.5	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
4538	M1O	04-020/21:47:17.2	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4539	M1O	04-020/21:49:28.6		NOTE: Exit Planetary Atmosphere 9321		04-020/21:38:44.4
4540	M1O	04-020/21:49:36.2		SPAWN, Engine = 65535, Parameters = 020, 03, FALSE, 00:17:42.468, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-020/21:38:52.0
4541	M1O	04-020/21:49:37.3		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	04-020/21:38:53.1
4542	M1O	04-020/21:49:39.3		CALL, Engine = , Parameters = 56	get_cmd_opt	04-020/21:38:55.1
4543	M1O	04-020/21:50:21.5		CALL, Engine = , Parameters = 56	get_apid	04-020/21:39:37.3
4544	M1O	04-020/21:50:22.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-020/21:39:38.4
4545	M1O	04-020/21:50:22.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-020/21:39:38.6
4546	M1O	04-020/21:50:23.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-020/21:39:39.7
4547	M1O	04-020/21:50:25.1		CALL, Engine = , Parameters = 56	get_coding	04-020/21:39:40.9
4548	M1O	04-020/21:50:26.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-020/21:39:42.1
4549	M1O	04-020/21:50:27.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-020/21:39:43.3
4550	M1O	04-020/21:51:32.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-020/21:40:48.1
4551	M1O	04-020/21:51:33.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-020/21:40:49.1
4552	M1O	04-020/21:51:34.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-020/21:40:50.1
4553	M1O	04-020/21:51:35.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-020/21:40:51.1
4554	M1O	04-020/21:51:36.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-020/21:40:52.1
4555	M1O	04-020/21:51:37.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-020/21:40:53.1
4556	M1O	04-020/21:51:38.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-020/21:40:54.1
4557	M1O	04-020/21:52:16.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/21:41:32.4
4558	M1O	04-020/21:52:16.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4559	M1O	04-020/21:52:17.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/21:41:33.4
4560	M1O	04-020/22:04:02.5		NOTE: Descending Node Crossing 9322		04-020/21:53:18.2
4561	M1O	04-020/22:09:16.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-020/21:58:32.5
4562	M1O	04-020/22:09:17.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-020/21:58:33.6
4563	M1O	04-020/22:09:27.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-020/21:58:43.6
4564	M1O	04-020/22:09:28.9		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	04-020/21:58:44.6
4565	M1O	04-020/22:33:11.1		NOTE: Periapsis 9322 ----------		04-020/22:22:26.7
4566	M1O	04-020/22:33:19.4		NOTE: South Pole Crossing 9322		04-020/22:22:35.1
4567	M1O	04-020/22:53:33.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
4568	M1O	04-020/23:01:06.8		NOTE: Enter Solar Eclipse 9322		04-020/22:50:22.4
4569	M1O	04-020/23:02:36.8		NOTE: Ascending Node Crossing 9322		04-020/22:51:52.4
4570	M1O	04-020/23:03:33.0	14	Range Modulation Off		
4571	M1O	04-020/23:08:33.0	14	X-Band Transmitter Off		
4572	M1O	04-020/23:18:58.4		NOTE: Exit Solar Eclipse 9322		04-020/23:08:13.9
4573	M1O	04-020/23:24:27.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4574	M1O	04-020/23:28:58.9		SPAWN, Engine = 65535, Parameters = 3, 00:21:54, 1	dpt	04-020/23:18:14.3
4575	M1O	04-020/23:29:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-020/23:18:16.4
4576	M1O	04-020/23:29:01.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4577	M1O	04-020/23:29:02.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-020/23:18:17.4
4578	M1O	04-020/23:29:27.0	14	Range Modulation On: SUP=3.0dB		
4579	M1O	04-020/23:30:01.9	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
4580	M1O	04-020/23:30:02.5		NOTE: ENTER HGA KEEP OUT ZONE		
4581	M1O	04-020/23:30:02.5	14	NOTE: Loss Of X-Band Signal		
4582	M1O	04-020/23:30:27.0	14	Begin Ranging Acquisition		
4583	M1O	04-020/23:32:06.2		NOTE: Apoapsis 9322 -		04-020/23:21:21.7
4584	M1O	04-020/23:32:35.9		NOTE: North Pole Crossing 9322		04-020/23:21:51.3
4585	M1O	04-020/23:32:48.8		NOTE: Enter Planetary Atmosphere 9322		04-020/23:22:04.2
4586	M1O	04-020/23:34:22.5		NOTE: EXIT HGA KEEP OUT ZONE		
4587	M1O	04-020/23:34:22.5	14	Acquisition Of X-Band Signal		
4588	M1O	04-020/23:34:22.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4589	M1O	04-020/23:35:28.2		NOTE: Enter Earth Occultation 9322		04-020/23:24:43.6
4590	M1O	04-020/23:35:28.2	14	NOTE: Loss Of X-Band Signal		
4591	M1O	04-020/23:45:23.3		NOTE: Exit Earth Occultation 9322		04-020/23:34:38.7
4592	M1O	04-020/23:45:23.3	14	Acquisition Of X-Band Signal		
4593	M1O	04-020/23:45:23.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4594	M1O	04-020/23:45:56.0	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4595	M1O	04-020/23:47:27.5		SPAWN, Engine = 65535, Parameters = 020, 04, FALSE, 00:16:34.563, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-020/23:36:43.0
4596	M1O	04-020/23:47:28.6		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	04-020/23:36:44.1
4597	M1O	04-020/23:47:30.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-020/23:36:46.1
4598	M1O	04-020/23:48:04.1		NOTE: Exit Planetary Atmosphere 9322		04-020/23:37:19.5
4599	M1O	04-020/23:48:12.8		CALL, Engine = , Parameters = 56	get_apid	04-020/23:37:28.3
4600	M1O	04-020/23:48:13.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-020/23:37:29.4
4601	M1O	04-020/23:48:14.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-020/23:37:29.6
4602	M1O	04-020/23:48:15.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-020/23:37:30.7
4603	M1O	04-020/23:48:16.4		CALL, Engine = , Parameters = 56	get_coding	04-020/23:37:31.9
4604	M1O	04-020/23:48:17.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-020/23:37:33.1
4605	M1O	04-020/23:48:18.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-020/23:37:34.3
4606	M1O	04-020/23:49:23.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-020/23:38:39.1
4607	M1O	04-020/23:49:24.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-020/23:38:40.1
4608	M1O	04-020/23:49:25.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-020/23:38:41.1
4609	M1O	04-020/23:49:26.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-020/23:38:42.1
4610	M1O	04-020/23:49:27.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-020/23:38:43.1
4611	M1O	04-020/23:49:28.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-020/23:38:44.1
4612	M1O	04-020/23:49:29.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-020/23:38:45.1
4613	M1O	04-020/23:50:55.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-020/23:40:10.4
4614	M1O	04-020/23:50:55.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4615	M1O	04-020/23:50:56.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-020/23:40:11.4
4616	M1O	04-021/00:00:00.0		Light Time: OWLT = 10:44, RTLT = 21:29		
4617	M1O	04-021/00:02:33.8		NOTE: Descending Node Crossing 9323		04-020/23:51:49.2
4618	M1O	04-021/00:06:00.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-020/23:55:15.6
4619	M1O	04-021/00:06:01.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-020/23:55:16.7
4620	M1O	04-021/00:06:11.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-020/23:55:26.7
4621	M1O	04-021/00:06:12.4		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	04-020/23:55:27.7
4622	M1O	04-021/00:31:24.1		NOTE: Periapsis 9323 ----------		04-021/00:20:39.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4623	M1O	04-021/00:31:50.6		NOTE: South Pole Crossing 9323		04-021/00:21:05.9
4624	M1O	04-021/00:51:43.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
4625	M1O	04-021/00:59:39.8		NOTE: Enter Solar Eclipse 9323		04-021/00:48:55.0
4626	M1O	04-021/01:01:08.5		NOTE: Ascending Node Crossing 9323		04-021/00:50:23.7
4627	M1O	04-021/01:01:43.0	14	Range Modulation Off		
4628	M1O	04-021/01:06:43.0	14	X-Band Transmitter Off		
4629	M1O	04-021/01:17:28.6		NOTE: Exit Solar Eclipse 9323		04-021/01:06:43.7
4630	M1O	04-021/01:22:52.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4631	M1O	04-021/01:27:10.4		SPAWN, Engine = 65535, Parameters = 3, 00:22:09, 1	dpt	04-021/01:16:25.5
4632	M1O	04-021/01:27:12.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/01:16:27.6
4633	M1O	04-021/01:27:12.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4634	M1O	04-021/01:27:13.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-021/01:16:28.6
4635	M1O	04-021/01:27:52.0	14	Range Modulation On: SUP=3.0dB		
4636	M1O	04-021/01:28:12.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4637	M1O	04-021/01:28:13.9		NOTE: ENTER HGA KEEP OUT ZONE		
4638	M1O	04-021/01:28:13.9	14	NOTE: Loss Of X-Band Signal		
4639	M1O	04-021/01:28:52.0	14	Begin Ranging Acquisition		
4640	M1O	04-021/01:30:38.2		NOTE: Apoapsis 9323 -		04-021/01:19:53.3
4641	M1O	04-021/01:31:07.2		NOTE: North Pole Crossing 9323		04-021/01:20:22.3
4642	M1O	04-021/01:31:22.2		NOTE: Enter Planetary Atmosphere 9323		04-021/01:20:37.3
4643	M1O	04-021/01:33:13.9		NOTE: EXIT HGA KEEP OUT ZONE		
4644	M1O	04-021/01:33:13.9	14	Acquisition Of X-Band Signal		
4645	M1O	04-021/01:33:13.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4646	M1O	04-021/01:34:03.2		NOTE: Enter Earth Occultation 9323		04-021/01:23:18.3
4647	M1O	04-021/01:34:03.2	14	NOTE: Loss Of X-Band Signal		
4648	M1O	04-021/01:43:49.9		NOTE: Exit Earth Occultation 9323		04-021/01:33:05.0
4649	M1O	04-021/01:43:49.9	14	Acquisition Of X-Band Signal		
4650	M1O	04-021/01:43:49.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4651	M1O	04-021/01:44:21.7	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4652	M1O	04-021/01:46:32.3		NOTE: Exit Planetary Atmosphere 9323		04-021/01:35:47.4
4653	M1O	04-021/01:49:21.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-021/01:38:36.6
4654	M1O	04-021/01:49:21.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4655	M1O	04-021/01:49:22.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-021/01:38:37.6
4656	M1O	04-021/02:01:04.9		NOTE: Descending Node Crossing 9324		04-021/01:50:19.9
4657	M1O	04-021/02:29:54.3		NOTE: Periapsis 9324 ----------		04-021/02:19:09.2
4658	M1O	04-021/02:30:22.5		NOTE: South Pole Crossing 9324		04-021/02:19:37.4
4659	M1O	04-021/02:50:54.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
4660	M1O	04-021/02:58:13.9		NOTE: Enter Solar Eclipse 9324		04-021/02:47:28.7
4661	M1O	04-021/02:59:41.5		NOTE: Ascending Node Crossing 9324		04-021/02:48:56.3
4662	M1O	04-021/03:00:54.0	14	Range Modulation Off		
4663	M1O	04-021/03:05:54.0	14	X-Band Transmitter Off		
4664	M1O	04-021/03:15:55.5		NOTE: Exit Solar Eclipse 9324		04-021/03:05:10.3
4665	M1O	04-021/03:21:11.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4666	M1O	04-021/03:26:11.0	14	Range Modulation On: SUP=3.0dB		
4667	M1O	04-021/03:26:21.8		SPAWN, Engine = 65535, Parameters = 3, 00:21:17, 1	dpt	04-021/03:15:36.5
4668	M1O	04-021/03:26:23.9		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-021/03:15:38.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
4669	M1O	04-021/03:26:23.9	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4670	M1O	04-021/03:26:24.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-021/03:15:39.6
4671	M1O	04-021/03:27:11.0	14	Begin Ranging Acquisition		
4672	M1O	04-021/03:27:24.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4673	M1O	04-021/03:27:25.2		NOTE: ENTER HGA KEEP OUT ZONE		
4674	M1O	04-021/03:27:25.2	14	NOTE: Loss Of X-Band Signal		
4675	M1O	04-021/03:29:21.4		NOTE: Apoapsis 9324 -		04-021/03:18:36.1
4676	M1O	04-021/03:29:41.5		NOTE: North Pole Crossing 9324		04-021/03:18:56.2
4677	M1O	04-021/03:30:08.2		NOTE: Enter Planetary Atmosphere 9324		04-021/03:19:22.9
4678	M1O	04-021/03:31:05.2		NOTE: EXIT HGA KEEP OUT ZONE		
4679	M1O	04-021/03:31:05.2	14	Acquisition Of X-Band Signal		
4680	M1O	04-021/03:31:05.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4681	M1O	04-021/03:32:55.4		NOTE: Enter Earth Occultation 9324		04-021/03:22:10.1
4682	M1O	04-021/03:32:55.4	14	NOTE: Loss Of X-Band Signal		
4683	M1O	04-021/03:42:08.8		NOTE: Exit Earth Occultation 9324		04-021/03:31:23.5
4684	M1O	04-021/03:42:08.8	14	Acquisition Of X-Band Signal		
4685	M1O	04-021/03:42:08.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4686	M1O	04-021/03:42:41.5	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4687	M1O	04-021/03:44:57.5		NOTE: Exit Planetary Atmosphere 9324		04-021/03:34:12.1
4688	M1O	04-021/03:45:57.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
4689	M1O	04-021/03:47:40.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-021/03:36:55.6
4690	M1O	04-021/03:47:40.9	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4691	M1O	04-021/03:47:41.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-021/03:36:56.6
4692	M1O	04-021/03:55:57.0	14	Range Modulation Off		
4693	M1O	04-021/03:59:40.6		NOTE: Descending Node Crossing 9325		04-021/03:48:55.2
4694	M1O	04-021/04:00:57.0	14	X-Band Transmitter Off		
4695	M1O	04-021/04:12:41.4		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-021/04:01:56.0
4696	M1O	04-021/04:12:41.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-021/04:01:56.1
4697	M1O	04-021/04:12:42.5		Forces a desaturation of the reaction wheels.	RW_DESAT	04-021/04:01:57.1
4698	M1O	04-021/04:14:16.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-021/04:03:31.0
4699	M1O	04-021/04:14:32.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-019T04:03:31.100, 2004-021T04:03:31.100	PCKTS_RE_TX_TIME	04-021/04:03:46.8
4700	M1O	04-021/04:14:33.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-019T04:03:31.100, 2004-021T04:03:31.100	PCKTS_RE_TX_TIME	04-021/04:03:47.8
4701	M1O	04-021/04:14:34.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-019T04:03:31.100, 2004-021T04:03:31.100	PCKTS_RE_TX_TIME	04-021/04:03:48.8
4702	M1O	04-021/04:14:35.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-019T04:03:31.100, 2004-021T04:03:31.100	PCKTS_RE_TX_TIME	04-021/04:03:49.8
4703	M1O	04-021/04:14:36.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-019T04:03:31.100, 2004-021T04:03:31.100	PCKTS_RE_TX_TIME	04-021/04:03:50.8
4704	M1O	04-021/04:14:37.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-019T04:03:31.100, 2004-021T04:03:31.100	PCKTS_RE_TX_TIME	04-021/04:03:51.8
4705	M1O	04-021/04:14:37.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-021/04:03:51.8
4706	M1O	04-021/04:14:37.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4707	M1O	04-021/04:21:38.2		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-021/04:10:52.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
4708	M1O	04-021/04:21:38.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4709	M1O	04-021/04:21:39.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-021/04:10:53.8
4710	M1O	04-021/04:21:55.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-021/04:11:09.8
4711	M1O	04-021/04:21:55.2	14	D/L RF Warning: SC antenna change - expect signal level variation		
4712	M1O	04-021/04:21:56.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-021/04:11:10.8
4713	M1O	04-021/04:22:27.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4714	M1O	04-021/04:24:12.5		CALL, Engine = , Parameters = FALSE	park_hga	04-021/04:13:27.1
4715	M1O	04-021/04:24:12.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/04:13:27.1
4716	M1O	04-021/04:24:13.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-021/04:13:28.1
4717	M1O	04-021/04:24:14.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-021/04:13:29.1
4718	M1O	04-021/04:24:14.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-021/04:13:29.1
4719	M1O	04-021/04:24:14.5		NOTE: START HGA PARK		
4720	M1O	04-021/04:24:14.5	14	NOTE: Loss Of X-Band Signal		
4721	M1O	04-021/04:24:15.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-021/04:13:30.1
4722	M1O	04-021/04:24:16.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-021/04:13:31.1
4723	M1O	04-021/04:28:38.1		NOTE: Periapsis 9325 ----------		04-021/04:17:52.6
4724	M1O	04-021/04:28:46.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-021/04:18:01.1
4725	M1O	04-021/04:28:58.2		NOTE: South Pole Crossing 9325		04-021/04:18:12.8
4726	M1O	04-021/04:32:16.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-021/04:21:31.1
4727	M1O	04-021/04:32:16.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-021/04:21:31.1
4728	M1O	04-021/04:42:32.5		SPAWN, Engine = 65535, Parameters = 021, 01, TRUE, 00:18:40, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-021/04:31:47.0
4729	M1O	04-021/04:42:33.6		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	04-021/04:31:48.1
4730	M1O	04-021/04:42:35.6		CALL, Engine = , Parameters = 254	get_cmd_opt	04-021/04:31:50.1
4731	M1O	04-021/04:42:35.9		CALL, Engine = , Parameters = 021, 01, 254	bld_autosw	04-021/04:31:50.4
4732	M1O	04-021/04:42:37.0		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-021/04:31:51.5
4733	M1O	04-021/04:42:38.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:31:52.6
4734	M1O	04-021/04:42:39.1		Deletes the designated file.: d:/dat/254_doy021_pass01_file01.dat	FILE_DELETE	04-021/04:31:53.6
4735	M1O	04-021/04:42:40.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:31:54.7
4736	M1O	04-021/04:42:41.2		Deletes the designated file.: d:/dat/254_doy021_pass01_file02.dat	FILE_DELETE	04-021/04:31:55.7
4737	M1O	04-021/04:42:42.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:31:56.8
4738	M1O	04-021/04:42:43.3		Deletes the designated file.: d:/dat/254_doy021_pass01_file03.dat	FILE_DELETE	04-021/04:31:57.8
4739	M1O	04-021/04:42:44.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:31:58.9
4740	M1O	04-021/04:42:45.4		Deletes the designated file.: d:/dat/254_doy021_pass01_file04.dat	FILE_DELETE	04-021/04:31:59.9
4741	M1O	04-021/04:42:46.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:01.0
4742	M1O	04-021/04:42:47.5		Deletes the designated file.: d:/dat/254_doy021_pass01_file05.dat	FILE_DELETE	04-021/04:32:02.0
4743	M1O	04-021/04:42:48.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:03.1
4744	M1O	04-021/04:42:49.6		Deletes the designated file.: d:/dat/254_doy021_pass01_file06.dat	FILE_DELETE	04-021/04:32:04.1
4745	M1O	04-021/04:42:50.7		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-021/04:32:05.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy021_pass01_file07.dat, d:/dat/autoswitch.dat		
4746	M1O	04-021/04:42:51.7		Deletes the designated file.: d:/dat/254_doy021_pass01_file07.dat	FILE_DELETE	04-021/04:32:06.2
4747	M1O	04-021/04:42:52.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:07.3
4748	M1O	04-021/04:42:53.8		Deletes the designated file.: d:/dat/254_doy021_pass01_file08.dat	FILE_DELETE	04-021/04:32:08.3
4749	M1O	04-021/04:42:54.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:09.4
4750	M1O	04-021/04:42:55.9		Deletes the designated file.: d:/dat/254_doy021_pass01_file09.dat	FILE_DELETE	04-021/04:32:10.4
4751	M1O	04-021/04:42:57.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:11.5
4752	M1O	04-021/04:42:58.0		Deletes the designated file.: d:/dat/254_doy021_pass01_file10.dat	FILE_DELETE	04-021/04:32:12.5
4753	M1O	04-021/04:42:59.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:13.6
4754	M1O	04-021/04:43:00.1		Deletes the designated file.: d:/dat/254_doy021_pass01_file11.dat	FILE_DELETE	04-021/04:32:14.6
4755	M1O	04-021/04:43:01.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:15.7
4756	M1O	04-021/04:43:02.2		Deletes the designated file.: d:/dat/254_doy021_pass01_file12.dat	FILE_DELETE	04-021/04:32:16.7
4757	M1O	04-021/04:43:03.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:17.8
4758	M1O	04-021/04:43:04.3		Deletes the designated file.: d:/dat/254_doy021_pass01_file13.dat	FILE_DELETE	04-021/04:32:18.8
4759	M1O	04-021/04:43:05.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:19.9
4760	M1O	04-021/04:43:06.4		Deletes the designated file.: d:/dat/254_doy021_pass01_file14.dat	FILE_DELETE	04-021/04:32:20.9
4761	M1O	04-021/04:43:07.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:22.0
4762	M1O	04-021/04:43:08.5		Deletes the designated file.: d:/dat/254_doy021_pass01_file15.dat	FILE_DELETE	04-021/04:32:23.0
4763	M1O	04-021/04:43:09.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:24.1
4764	M1O	04-021/04:43:10.6		Deletes the designated file.: d:/dat/254_doy021_pass01_file16.dat	FILE_DELETE	04-021/04:32:25.1
4765	M1O	04-021/04:43:11.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:26.2
4766	M1O	04-021/04:43:12.7		Deletes the designated file.: d:/dat/254_doy021_pass01_file17.dat	FILE_DELETE	04-021/04:32:27.2
4767	M1O	04-021/04:43:13.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:28.3
4768	M1O	04-021/04:43:14.8		Deletes the designated file.: d:/dat/254_doy021_pass01_file18.dat	FILE_DELETE	04-021/04:32:29.3
4769	M1O	04-021/04:43:15.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/04:32:30.4
4770	M1O	04-021/04:43:16.9		Deletes the designated file.: d:/dat/254_doy021_pass01_file19.dat	FILE_DELETE	04-021/04:32:31.4
4771	M1O	04-021/04:43:17.9		CALL, Engine = , Parameters = 254	get_apid	04-021/04:32:32.4
4772	M1O	04-021/04:43:19.0		CALL, Engine = , Parameters = 254	get_rcv_mode	04-021/04:32:33.5
4773	M1O	04-021/04:43:19.2		CALL, Engine = , Parameters = 254	get_dl_rate	04-021/04:32:33.7
4774	M1O	04-021/04:43:20.3		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-021/04:32:34.8
4775	M1O	04-021/04:43:21.6		CALL, Engine = , Parameters = 254	get_coding	04-021/04:32:36.1
4776	M1O	04-021/04:43:22.8		CALL, Engine = , Parameters = 254	get_xmt_mode	04-021/04:32:37.3
4777	M1O	04-021/04:43:24.0		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-021/04:32:38.5
4778	M1O	04-021/04:44:28.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-021/04:33:43.3
4779	M1O	04-021/04:44:29.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-021/04:33:44.3
4780	M1O	04-021/04:44:30.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-021/04:33:45.3
4781	M1O	04-021/04:44:31.8		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-021/04:33:46.3
4782	M1O	04-021/04:44:32.8		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-021/04:33:47.3
4783	M1O	04-021/04:44:33.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-021/04:33:48.3
4784	M1O	04-021/04:44:34.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-021/04:33:49.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4785	M1O	04-021/04:46:24.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/04:35:39.3
4786	M1O	04-021/04:46:34.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-021/04:35:49.3
4787	M1O	04-021/04:56:48.8		NOTE: Enter Solar Eclipse 9325		04-021/04:46:03.2
4788	M1O	04-021/04:58:17.0		NOTE: Ascending Node Crossing 9325		04-021/04:47:31.4
4789	M1O	04-021/05:02:16.5		GV: GV_DESAT_ACTIVE = 1		04-021/04:51:31.0
4790	M1O	04-021/05:02:17.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-021/04:51:32.0
4791	M1O	04-021/05:02:17.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-021/04:51:32.0
4792	M1O	04-021/05:03:12.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-021/04:52:27.3
4793	M1O	04-021/05:03:13.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-021/04:52:28.4
4794	M1O	04-021/05:03:23.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-021/04:52:38.4
4795	M1O	04-021/05:03:24.9		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	04-021/04:52:39.4
4796	M1O	04-021/05:03:25.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-021/04:52:40.4
4797	M1O	04-021/05:03:26.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-021/04:52:41.4
4798	M1O	04-021/05:10:00.0	14	End Tracking		
4799	M1O	04-021/05:12:16.6		GV: GV_DESAT_ACTIVE = 0		04-021/05:01:31.0
4800	M1O	04-021/05:12:17.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-021/05:01:32.0
4801	M1O	04-021/05:12:18.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-021/05:01:33.0
4802	M1O	04-021/05:12:19.6		CALL, Engine = , Parameters =	unpark_hga	04-021/05:01:34.0
4803	M1O	04-021/05:12:19.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-021/05:01:34.0
4804	M1O	04-021/05:12:20.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-021/05:01:35.0
4805	M1O	04-021/05:14:26.8		NOTE: Exit Solar Eclipse 9325		04-021/05:03:41.2
4806	M1O	04-021/05:16:50.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-021/05:06:05.0
4807	M1O	04-021/05:16:51.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-021/05:06:06.0
4808	M1O	04-021/05:20:51.6		NOTE: EXIT HGA PARK		
4809	M1O	04-021/05:25:00.0	14	End Post-Cal		
4810	M1O	04-021/05:27:55.8		NOTE: Apoapsis 9325 -		04-021/05:17:10.2
4811	M1O	04-021/05:28:17.9		NOTE: North Pole Crossing 9325		04-021/05:17:32.2
4812	M1O	04-021/05:28:51.7		NOTE: Enter Planetary Atmosphere 9325		04-021/05:18:06.0
4813	M1O	04-021/05:31:42.8		NOTE: Enter Earth Occultation 9325		04-021/05:20:57.1
4814	M1O	04-021/05:40:36.3		NOTE: Exit Earth Occultation 9325		04-021/05:29:50.6
4815	M1O	04-021/05:43:28.9		NOTE: Exit Planetary Atmosphere 9325		04-021/05:32:43.2
4816	M1O	04-021/05:58:17.9		NOTE: Descending Node Crossing 9326		04-021/05:47:32.1
4817	M1O	04-021/06:27:14.5		NOTE: Periapsis 9326 ----------		04-021/06:16:28.6
4818	M1O	04-021/06:27:35.4		NOTE: South Pole Crossing 9326		04-021/06:16:49.6
4819	M1O	04-021/06:42:15.9		SPAWN, Engine = 65535, Parameters = 021, 02, FALSE, 00:13:34.145, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-021/06:31:30.0
4820	M1O	04-021/06:42:17.0		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	04-021/06:31:31.1
4821	M1O	04-021/06:42:19.0		CALL, Engine = , Parameters = 254	get_cmd_opt	04-021/06:31:33.1
4822	M1O	04-021/06:43:01.2		CALL, Engine = , Parameters = 254	get_apid	04-021/06:32:15.3
4823	M1O	04-021/06:43:02.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-021/06:32:16.4
4824	M1O	04-021/06:43:02.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-021/06:32:16.6
4825	M1O	04-021/06:43:03.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-021/06:32:17.7
4826	M1O	04-021/06:43:04.9		CALL, Engine = , Parameters = 254	get_coding	04-021/06:32:19.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4827	M1O	04-021/06:43:06.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-021/06:32:20.2
4828	M1O	04-021/06:43:07.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-021/06:32:21.4
4829	M1O	04-021/06:44:12.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-021/06:33:26.2
4830	M1O	04-021/06:44:13.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-021/06:33:27.2
4831	M1O	04-021/06:44:14.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-021/06:33:28.2
4832	M1O	04-021/06:44:15.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-021/06:33:29.2
4833	M1O	04-021/06:44:16.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-021/06:33:30.2
4834	M1O	04-021/06:44:17.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-021/06:33:31.2
4835	M1O	04-021/06:44:18.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-021/06:33:32.2
4836	M1O	04-021/06:55:25.3		NOTE: Enter Solar Eclipse 9326		04-021/06:44:39.3
4837	M1O	04-021/06:56:53.8		NOTE: Ascending Node Crossing 9326		04-021/06:46:07.9
4838	M1O	04-021/06:57:48.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-021/06:47:02.3
4839	M1O	04-021/06:57:49.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-021/06:47:03.4
4840	M1O	04-021/06:57:59.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-021/06:47:13.4
4841	M1O	04-021/06:58:00.3		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	04-021/06:47:14.4
4842	M1O	04-021/07:10:45.9		SPAWN, Engine = 65535, Parameters =	scdiag	04-021/07:00:00.0
4843	M1O	04-021/07:10:47.0		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-021/07:00:01.1
4844	M1O	04-021/07:10:48.0		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-021/07:00:02.1
4845	M1O	04-021/07:11:48.9		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	04-021/07:01:03.0
4846	M1O	04-021/07:11:49.1		NOTE: Start Block fsw_diag		04-021/07:01:03.2
4847	M1O	04-021/07:11:50.1		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D53,0x686F7720,0x313B6368,0x65636B53,0x7461636B,0x3B690000,0x0000,0x0000,0x0000, 0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000]	FSW_VX_CMD	04-021/07:01:04.2
4848	M1O	04-021/07:11:51.1		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	04-021/07:01:05.2
4849	M1O	04-021/07:12:02.1		NOTE: End Block fsw_diag.mod		04-021/07:01:16.2
4850	M1O	04-021/07:13:01.9		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-021/07:02:16.0
4851	M1O	04-021/07:13:02.1		NOTE: Start Block fsw_diag		04-021/07:02:16.2
4852	M1O	04-021/07:13:02.9		NOTE: Exit Solar Eclipse 9326		04-021/07:02:16.9
4853	M1O	04-021/07:13:03.1		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-021/07:02:17.2
4854	M1O	04-021/07:13:04.1		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	04-021/07:02:18.2
4855	M1O	04-021/07:13:15.1		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	04-021/07:02:29.2
4856	M1O	04-021/07:13:45.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-021/07:02:59.2
4857	M1O	04-021/07:14:05.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-021/07:03:19.2
4858	M1O	04-021/07:14:15.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-021/07:03:29.2
4859	M1O	04-021/07:14:35.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-021/07:03:49.2
4860	M1O	04-021/07:14:45.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-021/07:03:59.2
4861	M1O	04-021/07:14:50.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-021/07:04:04.2
4862	M1O	04-021/07:14:55.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-021/07:04:09.2
4863	M1O	04-021/07:15:00.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-021/07:04:14.2
4864	M1O	04-021/07:15:05.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-021/07:04:19.2
4865	M1O	04-021/07:15:10.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-021/07:04:24.2
4866	M1O	04-021/07:15:50.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-021/07:05:04.2
4867	M1O	04-021/07:15:55.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-021/07:05:09.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4868	M1O	04-021/07:16:00.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-021/07:05:14.2
4869	M1O	04-021/07:16:05.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-021/07:05:19.2
4870	M1O	04-021/07:16:10.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-021/07:05:24.2
4871	M1O	04-021/07:16:11.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-021/07:05:25.2
4872	M1O	04-021/07:16:12.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-021/07:05:26.2
4873	M1O	04-021/07:16:13.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-021/07:05:27.2
4874	M1O	04-021/07:16:24.2		NOTE: End Block fsw_diag.mod		04-021/07:05:38.2
4875	M1O	04-021/07:26:16.6		NOTE: Apoapsis 9326 -		04-021/07:15:30.5
4876	M1O	04-021/07:26:54.5		NOTE: North Pole Crossing 9326		04-021/07:16:08.5
4877	M1O	04-021/07:27:27.1		NOTE: Enter Planetary Atmosphere 9326		04-021/07:16:41.1
4878	M1O	04-021/07:30:17.4		NOTE: Enter Earth Occultation 9326		04-021/07:19:31.4
4879	M1O	04-021/07:39:15.0		NOTE: Exit Earth Occultation 9326		04-021/07:28:28.9
4880	M1O	04-021/07:42:06.7		NOTE: Exit Planetary Atmosphere 9326		04-021/07:31:20.6
4881	M1O	04-021/07:56:54.1		NOTE: Descending Node Crossing 9327		04-021/07:46:07.9
4882	M1O	04-021/08:25:45.2		NOTE: Periapsis 9327 ----------		04-021/08:14:59.0
4883	M1O	04-021/08:26:11.7		NOTE: South Pole Crossing 9327		04-021/08:15:25.5
4884	M1O	04-021/08:54:02.0		NOTE: Enter Solar Eclipse 9327		04-021/08:43:15.7
4885	M1O	04-021/08:55:30.3		NOTE: Ascending Node Crossing 9327		04-021/08:44:44.0
4886	M1O	04-021/09:11:41.9		NOTE: Exit Solar Eclipse 9327		04-021/09:00:55.5
4887	M1O	04-021/09:24:36.3		NOTE: Apoapsis 9327 -		04-021/09:13:49.8
4888	M1O	04-021/09:25:29.9		NOTE: North Pole Crossing 9327		04-021/09:14:43.5
4889	M1O	04-021/09:25:54.7		NOTE: Enter Planetary Atmosphere 9327		04-021/09:15:08.3
4890	M1O	04-021/09:28:40.9		NOTE: Enter Earth Occultation 9327		04-021/09:17:54.5
4891	M1O	04-021/09:37:59.6		NOTE: Exit Earth Occultation 9327		04-021/09:27:13.2
4892	M1O	04-021/09:40:47.2		NOTE: Exit Planetary Atmosphere 9327		04-021/09:30:00.8
4893	M1O	04-021/09:55:28.0		NOTE: Descending Node Crossing 9328		04-021/09:44:41.5
4894	M1O	04-021/10:24:18.9		NOTE: Periapsis 9328 ----------		04-021/10:13:32.3
4895	M1O	04-021/10:24:45.6		NOTE: South Pole Crossing 9328		04-021/10:13:59.0
4896	M1O	04-021/10:46:23.6		SPAWN, Engine = 65535, Parameters = 021, 01, FALSE, 00:19:33.105, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-021/10:35:37.0
4897	M1O	04-021/10:46:24.7		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	04-021/10:35:38.1
4898	M1O	04-021/10:46:26.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-021/10:35:40.1
4899	M1O	04-021/10:47:08.9		CALL, Engine = , Parameters = 56	get_apid	04-021/10:36:22.3
4900	M1O	04-021/10:47:10.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-021/10:36:23.4
4901	M1O	04-021/10:47:10.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-021/10:36:23.6
4902	M1O	04-021/10:47:11.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-021/10:36:24.7
4903	M1O	04-021/10:47:12.5		CALL, Engine = , Parameters = 56	get_coding	04-021/10:36:25.9
4904	M1O	04-021/10:47:13.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-021/10:36:27.1
4905	M1O	04-021/10:47:14.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-021/10:36:28.3
4906	M1O	04-021/10:48:19.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-021/10:37:33.1
4907	M1O	04-021/10:48:20.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-021/10:37:34.1
4908	M1O	04-021/10:48:21.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-021/10:37:35.1
4909	M1O	04-021/10:48:22.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-021/10:37:36.1
4910	M1O	04-021/10:48:23.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-021/10:37:37.1
4911	M1O	04-021/10:48:24.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-021/10:37:38.1
4912	M1O	04-021/10:48:25.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-021/10:37:39.1
4913	M1O	04-021/10:52:35.3		NOTE: Enter Solar Eclipse 9328		04-021/10:41:48.6
4914	M1O	04-021/10:54:04.1		NOTE: Ascending Node Crossing 9328		04-021/10:43:17.4
4915	M1O	04-021/11:00:00.0	54	Begin Pre-Cal		
4916	M1O	04-021/11:00:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4917	M1O	04-021/11:00:00.0	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
4918	M1O	04-021/11:00:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4919	M1O	04-021/11:00:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4920	M1O	04-021/11:00:00.0	54	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
4921	M1O	04-021/11:00:00.0	54	Config: RCV: Parms:		
4922	M1O	04-021/11:00:00.0	54	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
4923	M1O	04-021/11:00:00.0	54	Config: TGC: BAND=X, SR=221200.000000		
4924	M1O	04-021/11:00:00.0	54	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
4925	M1O	04-021/11:07:54.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-021/10:57:08.2
4926	M1O	04-021/11:07:56.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-021/10:57:09.3
4927	M1O	04-021/11:08:06.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-021/10:57:19.3
4928	M1O	04-021/11:08:07.0		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	04-021/10:57:20.3
4929	M1O	04-021/11:10:18.8		NOTE: Exit Solar Eclipse 9328		04-021/10:59:32.1
4930	M1O	04-021/11:23:17.5		NOTE: Apoapsis 9328 -		04-021/11:12:30.7
4931	M1O	04-021/11:24:02.7		NOTE: North Pole Crossing 9328		04-021/11:13:15.9
4932	M1O	04-021/11:24:21.0		NOTE: Enter Planetary Atmosphere 9328		04-021/11:13:34.2
4933	M1O	04-021/11:27:04.4		NOTE: Enter Earth Occultation 9328		04-021/11:16:17.6
4934	M1O	04-021/11:36:38.3		NOTE: Exit Earth Occultation 9328		04-021/11:25:51.4
4935	M1O	04-021/11:39:23.1		NOTE: Exit Planetary Atmosphere 9328		04-021/11:28:36.2
4936	M1O	04-021/11:54:00.0		NOTE: Descending Node Crossing 9329		04-021/11:43:13.1
4937	M1O	04-021/12:22:48.3		NOTE: Periapsis 9329 ----------		04-021/12:12:01.3
4938	M1O	04-021/12:23:16.7		NOTE: South Pole Crossing 9329		04-021/12:12:29.7
4939	M1O	04-021/12:29:35.0		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-021/12:18:48.0
4940	M1O	04-021/12:29:35.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/12:18:48.1
4941	M1O	04-021/12:29:36.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-021/12:18:49.1
4942	M1O	04-021/12:29:37.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-021/12:18:50.1
4943	M1O	04-021/12:29:38.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-021/12:18:51.1
4944	M1O	04-021/12:29:39.1		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-021/12:18:52.1
4945	M1O	04-021/12:29:49.1		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-021/12:19:02.1
4946	M1O	04-021/12:29:59.1		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-021/12:19:12.1
4947	M1O	04-021/12:30:00.0	54	Begin Tracking		
4948	M1O	04-021/12:30:00.0	54	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4949	M1O	04-021/12:30:00.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-021/12:19:13.0
4950	M1O	04-021/12:30:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-021/12:19:13.0
4951	M1O	04-021/12:30:00.0	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4952	M1O	04-021/12:30:06.0		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-021/12:19:19.0
4953	M1O	04-021/12:30:06.0	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4954	M1O	04-021/12:34:59.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-021/12:24:12.1
4955	M1O	04-021/12:35:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-021/12:24:13.1
4956	M1O	04-021/12:35:00.1	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4957	M1O	04-021/12:35:01.1		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-021/12:24:14.1
4958	M1O	04-021/12:50:06.0		SPAWN, Engine = 65535, Parameters = 021, 02, FALSE, 00:07:22.504, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-021/12:39:19.0
4959	M1O	04-021/12:50:07.1		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	04-021/12:39:20.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4960	M1O	04-021/12:50:09.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-021/12:39:22.1
4961	M1O	04-021/12:50:51.3		CALL, Engine = , Parameters = 56	get_apid	04-021/12:40:04.3
4962	M1O	04-021/12:50:52.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-021/12:40:05.4
4963	M1O	04-021/12:50:52.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-021/12:40:05.6
4964	M1O	04-021/12:50:53.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-021/12:40:06.7
4965	M1O	04-021/12:50:54.9		CALL, Engine = , Parameters = 56	get_coding	04-021/12:40:07.9
4966	M1O	04-021/12:50:56.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-021/12:40:09.1
4967	M1O	04-021/12:50:57.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-021/12:40:10.3
4968	M1O	04-021/12:51:05.6		NOTE: Enter Solar Eclipse 9329		04-021/12:40:18.5
4969	M1O	04-021/12:52:02.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-021/12:41:15.1
4970	M1O	04-021/12:52:03.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-021/12:41:16.1
4971	M1O	04-021/12:52:04.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-021/12:41:17.1
4972	M1O	04-021/12:52:05.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-021/12:41:18.1
4973	M1O	04-021/12:52:06.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-021/12:41:19.1
4974	M1O	04-021/12:52:07.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-021/12:41:20.1
4975	M1O	04-021/12:52:08.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-021/12:41:21.1
4976	M1O	04-021/12:52:34.6		NOTE: Ascending Node Crossing 9329		04-021/12:41:47.5
4977	M1O	04-021/12:59:26.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-021/12:48:39.6
4978	M1O	04-021/12:59:27.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-021/12:48:40.7
4979	M1O	04-021/12:59:37.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-021/12:48:50.7
4980	M1O	04-021/12:59:38.8		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	04-021/12:48:51.7
4981	M1O	04-021/13:08:47.8		NOTE: Exit Solar Eclipse 9329		04-021/12:58:00.7
4982	M1O	04-021/13:21:46.0		NOTE: Apoapsis 9329 -		04-021/13:10:58.8
4983	M1O	04-021/13:22:33.8		NOTE: North Pole Crossing 9329		04-021/13:11:46.6
4984	M1O	04-021/13:22:54.6		NOTE: Enter Planetary Atmosphere 9329		04-021/13:12:07.4
4985	M1O	04-021/13:24:37.5		SPAWN, Engine = 65535, Parameters = 3, 00:15:25.968, 1	dpt	04-021/13:13:50.3
4986	M1O	04-021/13:24:39.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/13:13:52.4
4987	M1O	04-021/13:24:39.6	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4988	M1O	04-021/13:24:40.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-021/13:13:53.4
4989	M1O	04-021/13:25:39.5		NOTE: Enter Earth Occultation 9329		04-021/13:14:52.3
4990	M1O	04-021/13:25:39.5	54	NOTE: Loss Of X-Band Signal		
4991	M1O	04-021/13:35:05.5		NOTE: Exit Earth Occultation 9329		04-021/13:24:18.2
4992	M1O	04-021/13:35:05.5	54	Acquisition Of X-Band Signal		
4993	M1O	04-021/13:35:05.5	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4994	M1O	04-021/13:37:51.8		NOTE: Exit Planetary Atmosphere 9329		04-021/13:27:04.6
4995	M1O	04-021/13:40:05.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-021/13:29:18.3
4996	M1O	04-021/13:40:05.6	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4997	M1O	04-021/13:40:06.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-021/13:29:19.3
4998	M1O	04-021/13:52:31.5		NOTE: Descending Node Crossing 9330		04-021/13:41:44.3
4999	M1O	04-021/14:21:00.6		NOTE: Periapsis 9330 ----------		04-021/14:10:13.3
5000	M1O	04-021/14:21:48.0		NOTE: South Pole Crossing 9330		04-021/14:11:00.7
5001	M1O	04-021/14:49:39.9		NOTE: Enter Solar Eclipse 9330		04-021/14:38:52.5
5002	M1O	04-021/14:51:06.6		NOTE: Ascending Node Crossing 9330		04-021/14:40:19.1
5003	M1O	04-021/15:07:13.9		NOTE: Exit Solar Eclipse 9330		04-021/14:56:26.4
5004	M1O	04-021/15:20:03.1		NOTE: Apoapsis 9330 -		04-021/15:09:15.6
5005	M1O	04-021/15:21:06.8		NOTE: North Pole Crossing 9330		04-021/15:10:19.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5006	M1O	04-021/15:21:36.8		NOTE: Enter Planetary Atmosphere 9330		04-021/15:10:49.3
5007	M1O	04-021/15:23:24.7		SPAWN, Engine = 65535, Parameters = 3, 00:14:59.878, 1	dpt	04-021/15:12:37.2
5008	M1O	04-021/15:23:26.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/15:12:39.3
5009	M1O	04-021/15:23:26.8	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5010	M1O	04-021/15:23:27.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-021/15:12:40.3
5011	M1O	04-021/15:24:26.7		NOTE: Enter Earth Occultation 9330		04-021/15:13:39.2
5012	M1O	04-021/15:24:26.7	54	NOTE: Loss Of X-Band Signal		
5013	M1O	04-021/15:33:26.6		NOTE: Exit Earth Occultation 9330		04-021/15:22:39.0
5014	M1O	04-021/15:33:26.6	54	Acquisition Of X-Band Signal		
5015	M1O	04-021/15:33:26.6	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5016	M1O	04-021/15:36:18.1		NOTE: Exit Planetary Atmosphere 9330		04-021/15:25:30.5
5017	M1O	04-021/15:38:26.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-021/15:27:39.1
5018	M1O	04-021/15:38:26.8	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5019	M1O	04-021/15:38:27.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-021/15:27:40.1
5020	M1O	04-021/15:50:37.6		SPAWN, Engine = 65535, Parameters = 021, 03, FALSE, 00:09:20.634, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-021/15:39:50.0
5021	M1O	04-021/15:50:38.7		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	04-021/15:39:51.1
5022	M1O	04-021/15:50:40.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-021/15:39:53.1
5023	M1O	04-021/15:51:05.2		NOTE: Descending Node Crossing 9331		04-021/15:40:17.6
5024	M1O	04-021/15:51:22.9		CALL, Engine = , Parameters = 254	get_apid	04-021/15:40:35.3
5025	M1O	04-021/15:51:24.0		CALL, Engine = , Parameters = 254	get_rcv_mode	04-021/15:40:36.4
5026	M1O	04-021/15:51:24.2		CALL, Engine = , Parameters = 254	get_dl_rate	04-021/15:40:36.6
5027	M1O	04-021/15:51:25.3		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-021/15:40:37.7
5028	M1O	04-021/15:51:26.6		CALL, Engine = , Parameters = 254	get_coding	04-021/15:40:39.0
5029	M1O	04-021/15:51:27.8		CALL, Engine = , Parameters = 254	get_xmt_mode	04-021/15:40:40.2
5030	M1O	04-021/15:51:29.0		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-021/15:40:41.4
5031	M1O	04-021/15:52:33.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-021/15:41:46.2
5032	M1O	04-021/15:52:34.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-021/15:41:47.2
5033	M1O	04-021/15:52:35.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-021/15:41:48.2
5034	M1O	04-021/15:52:36.8		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-021/15:41:49.2
5035	M1O	04-021/15:52:37.8		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-021/15:41:50.2
5036	M1O	04-021/15:52:38.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-021/15:41:51.2
5037	M1O	04-021/15:52:39.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-021/15:41:52.2
5038	M1O	04-021/16:01:56.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-021/15:51:08.8
5039	M1O	04-021/16:01:57.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-021/15:51:09.9
5040	M1O	04-021/16:02:07.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-021/15:51:19.9
5041	M1O	04-021/16:02:08.6		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	04-021/15:51:20.9
5042	M1O	04-021/16:19:36.9		NOTE: Periapsis 9331 ----------		04-021/16:08:49.1
5043	M1O	04-021/16:20:23.0		NOTE: South Pole Crossing 9331		04-021/16:09:35.3
5044	M1O	04-021/16:48:17.4		NOTE: Enter Solar Eclipse 9331		04-021/16:37:29.6
5045	M1O	04-021/16:49:42.7		NOTE: Ascending Node Crossing 9331		04-021/16:38:54.9
5046	M1O	04-021/17:05:46.6		NOTE: Exit Solar Eclipse 9331		04-021/16:54:58.7
5047	M1O	04-021/17:18:48.4		NOTE: Apoapsis 9331 -		04-021/17:08:00.5
5048	M1O	04-021/17:19:42.7		NOTE: North Pole Crossing 9331		04-021/17:08:54.7
5049	M1O	04-021/17:20:17.5		NOTE: Enter Planetary Atmosphere 9331		04-021/17:09:29.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5050	M1O	04-021/17:22:08.6		SPAWN, Engine = 65535, Parameters = 3, 00:14:43.797, 1	dpt	04-021/17:11:20.7
5051	M1O	04-021/17:22:10.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/17:11:22.8
5052	M1O	04-021/17:22:10.7	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5053	M1O	04-021/17:22:11.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-021/17:11:23.8
5054	M1O	04-021/17:23:10.6		NOTE: Enter Earth Occultation 9331		04-021/17:12:22.7
5055	M1O	04-021/17:23:10.6	54	NOTE: Loss Of X-Band Signal		
5056	M1O	04-021/17:31:54.4		NOTE: Exit Earth Occultation 9331		04-021/17:21:06.5
5057	M1O	04-021/17:31:54.4	54	Acquisition Of X-Band Signal		
5058	M1O	04-021/17:31:54.4	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5059	M1O	04-021/17:34:49.0		NOTE: Exit Planetary Atmosphere 9331		04-021/17:24:01.0
5060	M1O	04-021/17:36:54.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-021/17:26:06.6
5061	M1O	04-021/17:36:54.5	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5062	M1O	04-021/17:36:55.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-021/17:26:07.6
5063	M1O	04-021/17:42:37.9		SPAWN, Engine = 65535, Parameters = 021, 04, TRUE, 00:19:10, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-021/17:31:50.0
5064	M1O	04-021/17:42:38.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/17:31:50.5
5065	M1O	04-021/17:42:38.4	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5066	M1O	04-021/17:42:39.0		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	04-021/17:31:51.1
5067	M1O	04-021/17:42:41.0		CALL, Engine = , Parameters = 254	get_cmd_opt	04-021/17:31:53.1
5068	M1O	04-021/17:42:41.3		CALL, Engine = , Parameters = 021, 04, 254	bld_autosw	04-021/17:31:53.4
5069	M1O	04-021/17:42:42.4		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-021/17:31:54.5
5070	M1O	04-021/17:42:43.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:31:55.6
5071	M1O	04-021/17:42:44.5		Deletes the designated file.: d:/dat/254_doy021_pass04_file01.dat	FILE_DELETE	04-021/17:31:56.6
5072	M1O	04-021/17:42:45.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:31:57.7
5073	M1O	04-021/17:42:46.6		Deletes the designated file.: d:/dat/254_doy021_pass04_file02.dat	FILE_DELETE	04-021/17:31:58.7
5074	M1O	04-021/17:42:47.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:31:59.8
5075	M1O	04-021/17:42:48.7		Deletes the designated file.: d:/dat/254_doy021_pass04_file03.dat	FILE_DELETE	04-021/17:32:00.8
5076	M1O	04-021/17:42:49.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:01.9
5077	M1O	04-021/17:42:50.8		Deletes the designated file.: d:/dat/254_doy021_pass04_file04.dat	FILE_DELETE	04-021/17:32:02.9
5078	M1O	04-021/17:42:51.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:04.0
5079	M1O	04-021/17:42:52.9		Deletes the designated file.: d:/dat/254_doy021_pass04_file05.dat	FILE_DELETE	04-021/17:32:05.0
5080	M1O	04-021/17:42:54.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:06.1
5081	M1O	04-021/17:42:55.0		Deletes the designated file.: d:/dat/254_doy021_pass04_file06.dat	FILE_DELETE	04-021/17:32:07.1
5082	M1O	04-021/17:42:56.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:08.2
5083	M1O	04-021/17:42:57.1		Deletes the designated file.: d:/dat/254_doy021_pass04_file07.dat	FILE_DELETE	04-021/17:32:09.2
5084	M1O	04-021/17:42:58.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:10.3
5085	M1O	04-021/17:42:59.2		Deletes the designated file.: d:/dat/254_doy021_pass04_file08.dat	FILE_DELETE	04-021/17:32:11.3
5086	M1O	04-021/17:43:00.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:12.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5087	M1O	04-021/17:43:01.3		Deletes the designated file.: d:/dat/254_doy021_pass04_file09.dat	FILE_DELETE	04-021/17:32:13.4
5088	M1O	04-021/17:43:02.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:14.5
5089	M1O	04-021/17:43:03.4		Deletes the designated file.: d:/dat/254_doy021_pass04_file10.dat	FILE_DELETE	04-021/17:32:15.5
5090	M1O	04-021/17:43:04.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:16.6
5091	M1O	04-021/17:43:05.5		Deletes the designated file.: d:/dat/254_doy021_pass04_file11.dat	FILE_DELETE	04-021/17:32:17.6
5092	M1O	04-021/17:43:06.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:18.7
5093	M1O	04-021/17:43:07.6		Deletes the designated file.: d:/dat/254_doy021_pass04_file12.dat	FILE_DELETE	04-021/17:32:19.7
5094	M1O	04-021/17:43:08.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:20.8
5095	M1O	04-021/17:43:09.7		Deletes the designated file.: d:/dat/254_doy021_pass04_file13.dat	FILE_DELETE	04-021/17:32:21.8
5096	M1O	04-021/17:43:10.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:22.9
5097	M1O	04-021/17:43:11.8		Deletes the designated file.: d:/dat/254_doy021_pass04_file14.dat	FILE_DELETE	04-021/17:32:23.9
5098	M1O	04-021/17:43:12.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:25.0
5099	M1O	04-021/17:43:13.9		Deletes the designated file.: d:/dat/254_doy021_pass04_file15.dat	FILE_DELETE	04-021/17:32:26.0
5100	M1O	04-021/17:43:15.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:27.1
5101	M1O	04-021/17:43:16.1		Deletes the designated file.: d:/dat/254_doy021_pass04_file16.dat	FILE_DELETE	04-021/17:32:28.1
5102	M1O	04-021/17:43:17.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:29.2
5103	M1O	04-021/17:43:18.2		Deletes the designated file.: d:/dat/254_doy021_pass04_file17.dat	FILE_DELETE	04-021/17:32:30.2
5104	M1O	04-021/17:43:19.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:31.3
5105	M1O	04-021/17:43:20.3		Deletes the designated file.: d:/dat/254_doy021_pass04_file18.dat	FILE_DELETE	04-021/17:32:32.3
5106	M1O	04-021/17:43:21.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy021_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-021/17:32:33.4
5107	M1O	04-021/17:43:22.4		Deletes the designated file.: d:/dat/254_doy021_pass04_file19.dat	FILE_DELETE	04-021/17:32:34.4
5108	M1O	04-021/17:43:23.4		CALL, Engine = , Parameters = 254	get_apid	04-021/17:32:35.4
5109	M1O	04-021/17:43:24.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-021/17:32:36.5
5110	M1O	04-021/17:43:24.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-021/17:32:36.7
5111	M1O	04-021/17:43:25.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-021/17:32:37.8
5112	M1O	04-021/17:43:27.1		CALL, Engine = , Parameters = 254	get_coding	04-021/17:32:39.1
5113	M1O	04-021/17:43:28.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-021/17:32:40.3
5114	M1O	04-021/17:43:29.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-021/17:32:41.5
5115	M1O	04-021/17:44:34.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-021/17:33:46.3
5116	M1O	04-021/17:44:35.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-021/17:33:47.3
5117	M1O	04-021/17:44:36.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-021/17:33:48.3
5118	M1O	04-021/17:44:37.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-021/17:33:49.3
5119	M1O	04-021/17:44:38.3		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-021/17:33:50.3
5120	M1O	04-021/17:44:39.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-021/17:33:51.3
5121	M1O	04-021/17:44:40.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-021/17:33:52.3
5122	M1O	04-021/17:46:30.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/17:35:42.3
5123	M1O	04-021/17:46:40.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-021/17:35:52.3
5124	M1O	04-021/17:49:41.1		NOTE: Descending Node Crossing 9332		04-021/17:38:53.1
5125	M1O	04-021/18:03:48.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-021/17:53:00.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5126	M1O	04-021/18:03:49.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-021/17:53:01.4
5127	M1O	04-021/18:03:59.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-021/17:53:11.4
5128	M1O	04-021/18:04:00.4		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	04-021/17:53:12.4
5129	M1O	04-021/18:04:01.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-021/17:53:13.4
5130	M1O	04-021/18:04:01.4	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5131	M1O	04-021/18:04:02.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-021/17:53:14.4
5132	M1O	04-021/18:09:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-021/17:58:13.0
5133	M1O	04-021/18:09:01.0	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5134	M1O	04-021/18:18:36.6		NOTE: Periapsis 9332 ----------		04-021/18:07:48.5
5135	M1O	04-021/18:19:00.0		NOTE: South Pole Crossing 9332		04-021/18:08:11.9
5136	M1O	04-021/18:30:00.0	15	Begin Pre-Cal		
5137	M1O	04-021/18:30:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5138	M1O	04-021/18:30:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5139	M1O	04-021/18:30:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5140	M1O	04-021/18:30:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5141	M1O	04-021/18:30:00.0	15	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
5142	M1O	04-021/18:30:00.0	15	Config: RCV: Parms:		
5143	M1O	04-021/18:30:00.0	15	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
5144	M1O	04-021/18:30:00.0	15	Config: TGC: BAND=X, SR=238896.000000		
5145	M1O	04-021/18:30:00.0	15	Config: TXL		
5146	M1O	04-021/18:30:00.0	15	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
5147	M1O	04-021/18:30:00.0	15	Config: CMD		
5148	M1O	04-021/18:30:00.0	15	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
5149	M1O	04-021/18:46:53.2		NOTE: Enter Solar Eclipse 9332		04-021/18:36:05.0
5150	M1O	04-021/18:48:19.9		NOTE: Ascending Node Crossing 9332		04-021/18:37:31.7
5151	M1O	04-021/19:04:23.5		NOTE: Exit Solar Eclipse 9332		04-021/18:53:35.3
5152	M1O	04-021/19:17:54.7		NOTE: Apoapsis 9332 -		04-021/19:07:06.4
5153	M1O	04-021/19:18:19.3		NOTE: North Pole Crossing 9332		04-021/19:07:31.0
5154	M1O	04-021/19:18:54.8		NOTE: Enter Planetary Atmosphere 9332		04-021/19:08:06.5
5155	M1O	04-021/19:20:47.2		SPAWN, Engine = 65535, Parameters = 3, 00:14:38.086, 1	dpt	04-021/19:09:58.9
5156	M1O	04-021/19:20:49.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/19:10:01.0
5157	M1O	04-021/19:20:49.3	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5158	M1O	04-021/19:20:50.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-021/19:10:02.0
5159	M1O	04-021/19:21:49.2		NOTE: Enter Earth Occultation 9332		04-021/19:11:00.9
5160	M1O	04-021/19:21:49.2	54	NOTE: Loss Of X-Band Signal		
5161	M1O	04-021/19:30:27.3		NOTE: Exit Earth Occultation 9332		04-021/19:19:39.0
5162	M1O	04-021/19:30:27.3	54	Acquisition Of X-Band Signal		
5163	M1O	04-021/19:30:27.3	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5164	M1O	04-021/19:33:23.0		NOTE: Exit Planetary Atmosphere 9332		04-021/19:22:34.6
5165	M1O	04-021/19:35:27.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-021/19:24:39.1
5166	M1O	04-021/19:35:27.4	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5167	M1O	04-021/19:35:28.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-021/19:24:40.1
5168	M1O	04-021/19:48:17.9		NOTE: Descending Node Crossing 9333		04-021/19:37:29.5
5169	M1O	04-021/20:00:00.0	15	Begin Tracking		
5170	M1O	04-021/20:00:00.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5171	M1O	04-021/20:01:00.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5172	M1O	04-021/20:06:00.0	15	Range Modulation On: SUP=3.0dB		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5173	M1O	04-021/20:07:00.0	15	Begin Ranging Acquisition		
5174	M1O	04-021/20:17:32.6		NOTE: Periapsis 9333 ----------		04-021/20:06:44.1
5175	M1O	04-021/20:17:36.6		NOTE: South Pole Crossing 9333		04-021/20:06:48.1
5176	M1O	04-021/20:21:34.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-021/20:10:45.9
5177	M1O	04-021/20:21:36.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/20:10:48.0
5178	M1O	04-021/20:21:36.5	15	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5179	M1O	04-021/20:21:36.5	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5180	M1O	04-021/20:21:37.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-021/20:10:49.0
5181	M1O	04-021/20:22:36.8	15	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5182	M1O	04-021/20:22:36.8	54	Acquire D/L: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5183	M1O	04-021/20:27:36.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-021/20:16:48.0
5184	M1O	04-021/20:27:36.5	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5185	M1O	04-021/20:27:36.5	54	D/L Change: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5186	M1O	04-021/20:27:37.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-021/20:16:49.0
5187	M1O	04-021/20:43:14.7	15	NOTE: X-Band Transmitter Off in 15 minutes		
5188	M1O	04-021/20:45:26.6		NOTE: Enter Solar Eclipse 9333		04-021/20:34:38.0
5189	M1O	04-021/20:46:55.7		NOTE: Ascending Node Crossing 9333		04-021/20:36:07.1
5190	M1O	04-021/20:53:15.0	15	Range Modulation Off		
5191	M1O	04-021/20:58:14.7	15	X-Band Transmitter Off		
5192	M1O	04-021/21:03:00.6		NOTE: Exit Solar Eclipse 9333		04-021/20:52:12.0
5193	M1O	04-021/21:08:00.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5194	M1O	04-021/21:13:00.0	15	Range Modulation On: SUP=3.0dB		
5195	M1O	04-021/21:14:00.0	15	Begin Ranging Acquisition		
5196	M1O	04-021/21:16:43.7		NOTE: Apoapsis 9333 -		04-021/21:05:55.0
5197	M1O	04-021/21:16:55.1		NOTE: North Pole Crossing 9333		04-021/21:06:06.4
5198	M1O	04-021/21:17:28.5		NOTE: Enter Planetary Atmosphere 9333		04-021/21:06:39.8
5199	M1O	04-021/21:18:49.6		SPAWN, Engine = 65535, Parameters = 3, 00:15:45, 1	dpt	04-021/21:08:00.9
5200	M1O	04-021/21:18:51.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/21:08:03.0
5201	M1O	04-021/21:18:51.7	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5202	M1O	04-021/21:18:51.7	54	D/L Change: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5203	M1O	04-021/21:18:52.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-021/21:08:04.0
5204	M1O	04-021/21:19:51.9	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5205	M1O	04-021/21:19:51.9	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5206	M1O	04-021/21:20:21.9		NOTE: Enter Earth Occultation 9333		04-021/21:09:33.2
5207	M1O	04-021/21:20:21.9	15	NOTE: Loss Of X-Band Signal		
5208	M1O	04-021/21:20:21.9	54	NOTE: Loss Of X-Band Signal		
5209	M1O	04-021/21:29:04.7		NOTE: Exit Earth Occultation 9333		04-021/21:18:16.0
5210	M1O	04-021/21:29:04.7	15	Acquisition Of X-Band Signal		
5211	M1O	04-021/21:29:04.7	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5212	M1O	04-021/21:29:04.7	54	Acquisition Of X-Band Signal		
5213	M1O	04-021/21:29:04.7	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5214	M1O	04-021/21:29:37.3	15	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5215	M1O	04-021/21:29:37.3	54	Acquire D/L: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5216	M1O	04-021/21:31:59.6		NOTE: Exit Planetary Atmosphere 9333		04-021/21:21:10.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5217	M1O	04-021/21:34:36.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-021/21:23:48.0
5218	M1O	04-021/21:34:36.7	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5219	M1O	04-021/21:34:36.7	54	D/L Change: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5220	M1O	04-021/21:34:37.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-021/21:23:49.0
5221	M1O	04-021/21:38:32.7		SPAWN, Engine = 65535, Parameters = 021, 03, FALSE, 00:06:16.317, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-021/21:27:44.0
5222	M1O	04-021/21:38:33.8		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	04-021/21:27:45.1
5223	M1O	04-021/21:38:35.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-021/21:27:47.1
5224	M1O	04-021/21:39:18.0		CALL, Engine = , Parameters = 56	get_apid	04-021/21:28:29.3
5225	M1O	04-021/21:39:19.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-021/21:28:30.4
5226	M1O	04-021/21:39:19.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-021/21:28:30.6
5227	M1O	04-021/21:39:20.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-021/21:28:31.7
5228	M1O	04-021/21:39:21.6		CALL, Engine = , Parameters = 56	get_coding	04-021/21:28:32.9
5229	M1O	04-021/21:39:22.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-021/21:28:34.1
5230	M1O	04-021/21:39:24.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-021/21:28:35.3
5231	M1O	04-021/21:40:28.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-021/21:29:40.1
5232	M1O	04-021/21:40:29.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-021/21:29:41.1
5233	M1O	04-021/21:40:30.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-021/21:29:42.1
5234	M1O	04-021/21:40:31.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-021/21:29:43.1
5235	M1O	04-021/21:40:32.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-021/21:29:44.1
5236	M1O	04-021/21:40:33.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-021/21:29:45.1
5237	M1O	04-021/21:40:34.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-021/21:29:46.1
5238	M1O	04-021/21:46:47.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-021/21:35:58.4
5239	M1O	04-021/21:46:48.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-021/21:35:59.5
5240	M1O	04-021/21:46:53.9		NOTE: Descending Node Crossing 9334		04-021/21:36:05.1
5241	M1O	04-021/21:46:58.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-021/21:36:09.5
5242	M1O	04-021/21:46:59.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-021/21:36:10.5
5243	M1O	04-021/22:16:06.7		NOTE: Periapsis 9334 ----------		04-021/22:05:17.8
5244	M1O	04-021/22:16:11.2		NOTE: South Pole Crossing 9334		04-021/22:05:22.4
5245	M1O	04-021/22:41:39.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
5246	M1O	04-021/22:43:58.0		NOTE: Enter Solar Eclipse 9334		04-021/22:33:09.0
5247	M1O	04-021/22:45:29.1		NOTE: Ascending Node Crossing 9334		04-021/22:34:40.1
5248	M1O	04-021/22:51:39.0	15	Range Modulation Off		
5249	M1O	04-021/22:56:39.0	15	X-Band Transmitter Off		
5250	M1O	04-021/23:01:36.2		NOTE: Exit Solar Eclipse 9334		04-021/22:50:47.2
5251	M1O	04-021/23:06:39.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5252	M1O	04-021/23:10:00.0	54	End Tracking		
5253	M1O	04-021/23:11:39.0	15	Range Modulation On: SUP=3.0dB		
5254	M1O	04-021/23:12:39.0	15	Begin Ranging Acquisition		
5255	M1O	04-021/23:15:02.4		NOTE: Apoapsis 9334 -		04-021/23:04:13.4
5256	M1O	04-021/23:15:28.3		NOTE: North Pole Crossing 9334		04-021/23:04:39.2
5257	M1O	04-021/23:15:56.4		NOTE: Enter Planetary Atmosphere 9334		04-021/23:05:07.4
5258	M1O	04-021/23:17:15.0		SPAWN, Engine = 65535, Parameters = 3, 00:15:59, 1	dpt	04-021/23:06:25.9
5259	M1O	04-021/23:17:17.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-021/23:06:28.0
5260	M1O	04-021/23:17:17.1	15	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
5261	M1O	04-021/23:17:18.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-021/23:06:29.0
5262	M1O	04-021/23:18:17.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5263	M1O	04-021/23:18:47.0		NOTE: Enter Earth Occultation 9334		04-021/23:07:57.9
5264	M1O	04-021/23:18:47.0	15	NOTE: Loss Of X-Band Signal		
5265	M1O	04-021/23:25:00.0	54	End Post-Cal		
5266	M1O	04-021/23:27:44.6		NOTE: Exit Earth Occultation 9334		04-021/23:16:55.5
5267	M1O	04-021/23:27:44.6	15	Acquisition Of X-Band Signal		
5268	M1O	04-021/23:27:44.6	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5269	M1O	04-021/23:28:17.0	15	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5270	M1O	04-021/23:29:34.1		SPAWN, Engine = 65535, Parameters = 021, 04, FALSE, 00:19:32.270, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-021/23:18:45.0
5271	M1O	04-021/23:29:35.2		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	04-021/23:18:46.1
5272	M1O	04-021/23:29:37.2		CALL, Engine = , Parameters = 56	get_cmd_opt	04-021/23:18:48.1
5273	M1O	04-021/23:30:19.4		CALL, Engine = , Parameters = 56	get_apid	04-021/23:19:30.3
5274	M1O	04-021/23:30:20.5		CALL, Engine = , Parameters = 56	get_rcv_mode	04-021/23:19:31.4
5275	M1O	04-021/23:30:20.7		CALL, Engine = , Parameters = 56	get_dl_rate	04-021/23:19:31.6
5276	M1O	04-021/23:30:21.8		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-021/23:19:32.7
5277	M1O	04-021/23:30:23.0		CALL, Engine = , Parameters = 56	get_coding	04-021/23:19:33.9
5278	M1O	04-021/23:30:24.2		CALL, Engine = , Parameters = 56	get_xmt_mode	04-021/23:19:35.1
5279	M1O	04-021/23:30:25.4		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-021/23:19:36.3
5280	M1O	04-021/23:30:36.6		NOTE: Exit Planetary Atmosphere 9334		04-021/23:19:47.5
5281	M1O	04-021/23:31:30.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-021/23:20:41.1
5282	M1O	04-021/23:31:31.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-021/23:20:42.1
5283	M1O	04-021/23:31:32.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-021/23:20:43.1
5284	M1O	04-021/23:31:33.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-021/23:20:44.1
5285	M1O	04-021/23:31:34.2		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-021/23:20:45.1
5286	M1O	04-021/23:31:35.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-021/23:20:46.1
5287	M1O	04-021/23:31:36.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-021/23:20:47.1
5288	M1O	04-021/23:33:16.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-021/23:22:27.0
5289	M1O	04-021/23:33:16.1	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5290	M1O	04-021/23:33:17.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-021/23:22:28.0
5291	M1O	04-021/23:45:26.5		NOTE: Descending Node Crossing 9335		04-021/23:34:37.4
5292	M1O	04-021/23:51:04.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-021/23:40:15.3
5293	M1O	04-021/23:51:05.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-021/23:40:16.4
5294	M1O	04-021/23:51:15.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-021/23:40:26.4
5295	M1O	04-021/23:51:16.6		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	04-021/23:40:27.4
5296	M1O	04-022/00:00:00.0		Light Time: OWLT = 10:49, RTLT = 21:38		
5297	M1O	04-022/00:10:46.2		Loads the disignated sequence block from the file system.: 65535, d:/seq/cz505.abs	VM_LOAD	04-021/23:59:57.0
5298	M1O	04-022/00:10:49.2		Dummy command to mark beg/end of mini sequences: cz505a, 2004-029T00:00:02.000	START_MINI	04-022/00:00:00.0
5299	M1O	04-022/00:10:59.2		Deletes the designated file.: d:/seq/cz505.abs	FILE_DELETE	04-022/00:00:10.0
5300	M1O	04-022/00:14:18.6		NOTE: Periapsis 9335 ----------		04-022/00:03:29.3
5301	M1O	04-022/00:14:43.0		NOTE: South Pole Crossing 9335		04-022/00:03:53.8
5302	M1O	04-022/00:40:05.8	15	NOTE: X-Band Transmitter Off in 15 minutes		
5303	M1O	04-022/00:42:30.2		NOTE: Enter Solar Eclipse 9335		04-022/00:31:40.9
5304	M1O	04-022/00:44:00.6		NOTE: Ascending Node Crossing 9335		04-022/00:33:11.3
5305	M1O	04-022/00:50:06.0	15	Range Modulation Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5306	M1O	04-022/00:55:05.8	15	X-Band Transmitter Off		
5307	M1O	04-022/01:00:08.1		NOTE: Exit Solar Eclipse 9335		04-022/00:49:18.7
5308	M1O	04-022/01:05:10.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5309	M1O	04-022/01:10:10.0	15	Range Modulation On: SUP=3.0dB		
5310	M1O	04-022/01:11:10.0	15	Begin Ranging Acquisition		
5311	M1O	04-022/01:13:16.3		NOTE: Apoapsis 9335 -		04-022/01:02:26.8
5312	M1O	04-022/01:13:59.3		NOTE: North Pole Crossing 9335		04-022/01:03:09.9
5313	M1O	04-022/01:14:24.9		NOTE: Enter Planetary Atmosphere 9335		04-022/01:03:35.5
5314	M1O	04-022/01:15:42.5		SPAWN, Engine = 65535, Parameters = 3, 00:16:04, 1	dpt	04-022/01:04:53.1
5315	M1O	04-022/01:15:44.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/01:04:55.2
5316	M1O	04-022/01:15:44.6	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5317	M1O	04-022/01:15:45.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/01:04:56.2
5318	M1O	04-022/01:16:44.5	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5319	M1O	04-022/01:17:14.5		NOTE: Enter Earth Occultation 9335		04-022/01:06:25.1
5320	M1O	04-022/01:17:14.5	15	NOTE: Loss Of X-Band Signal		
5321	M1O	04-022/01:26:17.4		NOTE: Exit Earth Occultation 9335		04-022/01:15:27.9
5322	M1O	04-022/01:26:17.4	15	Acquisition Of X-Band Signal		
5323	M1O	04-022/01:26:17.4	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5324	M1O	04-022/01:26:48.8	15	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5325	M1O	04-022/01:29:08.4		NOTE: Exit Planetary Atmosphere 9335		04-022/01:18:18.9
5326	M1O	04-022/01:31:48.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/01:20:59.2
5327	M1O	04-022/01:31:48.6	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5328	M1O	04-022/01:31:49.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/01:21:00.2
5329	M1O	04-022/01:43:56.6		NOTE: Descending Node Crossing 9336		04-022/01:33:07.1
5330	M1O	04-022/02:12:36.8		NOTE: Periapsis 9336 ----------		04-022/02:01:47.2
5331	M1O	04-022/02:13:13.7		NOTE: South Pole Crossing 9336		04-022/02:02:24.1
5332	M1O	04-022/02:38:52.5	15	NOTE: X-Band Transmitter Off in 15 minutes		
5333	M1O	04-022/02:41:03.9		NOTE: Enter Solar Eclipse 9336		04-022/02:30:14.2
5334	M1O	04-022/02:42:32.5		NOTE: Ascending Node Crossing 9336		04-022/02:31:42.8
5335	M1O	04-022/02:48:53.0	15	Range Modulation Off		
5336	M1O	04-022/02:53:52.5	15	X-Band Transmitter Off		
5337	M1O	04-022/02:58:35.4		NOTE: Exit Solar Eclipse 9336		04-022/02:47:45.6
5338	M1O	04-022/03:03:29.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5339	M1O	04-022/03:08:29.0	15	Range Modulation On: SUP=3.0dB		
5340	M1O	04-022/03:09:29.0	15	Begin Ranging Acquisition		
5341	M1O	04-022/03:11:55.1		NOTE: Apoapsis 9336 -		04-022/03:01:05.3
5342	M1O	04-022/03:12:31.8		NOTE: North Pole Crossing 9336		04-022/03:01:42.0
5343	M1O	04-022/03:13:06.5		NOTE: Enter Planetary Atmosphere 9336		04-022/03:02:16.7
5344	M1O	04-022/03:14:29.9		SPAWN, Engine = 65535, Parameters = 3, 00:15:36, 1	dpt	04-022/03:03:40.1
5345	M1O	04-022/03:14:32.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/03:03:42.2
5346	M1O	04-022/03:14:32.0	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5347	M1O	04-022/03:14:33.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/03:03:43.2
5348	M1O	04-022/03:15:32.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5349	M1O	04-022/03:16:02.0		NOTE: Enter Earth Occultation 9336		04-022/03:05:12.2
5350	M1O	04-022/03:16:02.0	15	NOTE: Loss Of X-Band Signal		
5351	M1O	04-022/03:24:36.0		NOTE: Exit Earth Occultation 9336		04-022/03:13:46.1
5352	M1O	04-022/03:24:36.0	15	Acquisition Of X-Band Signal		
5353	M1O	04-022/03:24:36.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5354	M1O	04-022/03:25:08.5	15	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5355	M1O	04-022/03:27:32.9		NOTE: Exit Planetary Atmosphere 9336		04-022/03:16:43.0
5356	M1O	04-022/03:28:41.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
5357	M1O	04-022/03:30:08.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/03:19:18.2
5358	M1O	04-022/03:30:08.0	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5359	M1O	04-022/03:30:09.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/03:19:19.2
5360	M1O	04-022/03:38:41.0	15	Range Modulation Off		
5361	M1O	04-022/03:42:29.8		NOTE: Descending Node Crossing 9337		04-022/03:31:39.9
5362	M1O	04-022/03:43:41.0	15	X-Band Transmitter Off		
5363	M1O	04-022/03:55:29.9		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-022/03:44:40.0
5364	M1O	04-022/03:55:30.0		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-022/03:44:40.1
5365	M1O	04-022/03:55:31.0		Forces a desaturation of the reaction wheels.	RW_DESAT	04-022/03:44:41.1
5366	M1O	04-022/03:57:09.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	04-022/03:46:20.0
5367	M1O	04-022/03:57:25.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-020T03:46:20.100, 2004-022T03:46:20.100	PCKTS_RE_TX_TIME	04-022/03:46:35.8
5368	M1O	04-022/03:57:26.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-020T03:46:20.100, 2004-022T03:46:20.100	PCKTS_RE_TX_TIME	04-022/03:46:36.8
5369	M1O	04-022/03:57:27.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-020T03:46:20.100, 2004-022T03:46:20.100	PCKTS_RE_TX_TIME	04-022/03:46:37.8
5370	M1O	04-022/03:57:28.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-020T03:46:20.100, 2004-022T03:46:20.100	PCKTS_RE_TX_TIME	04-022/03:46:38.8
5371	M1O	04-022/03:57:29.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-020T03:46:20.100, 2004-022T03:46:20.100	PCKTS_RE_TX_TIME	04-022/03:46:39.8
5372	M1O	04-022/03:57:30.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-020T03:46:20.100, 2004-022T03:46:20.100	PCKTS_RE_TX_TIME	04-022/03:46:40.8
5373	M1O	04-022/03:57:30.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-022/03:46:40.8
5374	M1O	04-022/03:57:30.7	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5375	M1O	04-022/04:04:31.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/03:53:41.8
5376	M1O	04-022/04:04:31.7	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5377	M1O	04-022/04:04:32.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/03:53:42.8
5378	M1O	04-022/04:05:02.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	04-022/03:54:12.8
5379	M1O	04-022/04:05:02.7	15	NOTE: Loss Of X-Band Signal		
5380	M1O	04-022/04:05:12.7		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	04-022/03:54:22.8
5381	M1O	04-022/04:05:13.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-022/03:54:23.8
5382	M1O	04-022/04:05:14.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-022/03:54:24.8
5383	M1O	04-022/04:07:01.0		CALL, Engine = , Parameters = FALSE	park_hga	04-022/03:56:11.1
5384	M1O	04-022/04:07:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/03:56:11.1
5385	M1O	04-022/04:07:02.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-022/03:56:12.1
5386	M1O	04-022/04:07:03.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-022/03:56:13.1
5387	M1O	04-022/04:07:03.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-022/03:56:13.1
5388	M1O	04-022/04:07:03.0		NOTE: START HGA PARK		
5389	M1O	04-022/04:07:04.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-022/03:56:14.1
5390	M1O	04-022/04:07:05.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-022/03:56:15.1
5391	M1O	04-022/04:11:15.1		NOTE: Periapsis 9337 ----------		04-022/04:00:25.2
5392	M1O	04-022/04:11:35.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-022/04:00:45.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5393	M1O	04-022/04:11:47.5		NOTE: South Pole Crossing 9337		04-022/04:00:57.5
5394	M1O	04-022/04:15:05.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-022/04:04:15.1
5395	M1O	04-022/04:15:05.1		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-022/04:04:15.1
5396	M1O	04-022/04:28:32.0		SPAWN, Engine = 65535, Parameters = 022, 01, FALSE, 00:12:57.142, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-022/04:17:42.0
5397	M1O	04-022/04:28:33.1		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	04-022/04:17:43.1
5398	M1O	04-022/04:28:35.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-022/04:17:45.1
5399	M1O	04-022/04:29:17.3		CALL, Engine = , Parameters = 254	get_apid	04-022/04:18:27.3
5400	M1O	04-022/04:29:18.4		CALL, Engine = , Parameters = 254	get_rcv_mode	04-022/04:18:28.4
5401	M1O	04-022/04:29:18.6		CALL, Engine = , Parameters = 254	get_dl_rate	04-022/04:18:28.6
5402	M1O	04-022/04:29:19.7		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-022/04:18:29.7
5403	M1O	04-022/04:29:21.0		CALL, Engine = , Parameters = 254	get_coding	04-022/04:18:31.0
5404	M1O	04-022/04:29:22.2		CALL, Engine = , Parameters = 254	get_xmt_mode	04-022/04:18:32.2
5405	M1O	04-022/04:29:23.4		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-022/04:18:33.4
5406	M1O	04-022/04:30:28.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-022/04:19:38.2
5407	M1O	04-022/04:30:29.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-022/04:19:39.2
5408	M1O	04-022/04:30:30.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-022/04:19:40.2
5409	M1O	04-022/04:30:31.2		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-022/04:19:41.2
5410	M1O	04-022/04:30:32.2		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-022/04:19:42.2
5411	M1O	04-022/04:30:33.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-022/04:19:43.2
5412	M1O	04-022/04:30:34.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-022/04:19:44.2
5413	M1O	04-022/04:39:38.4		NOTE: Enter Solar Eclipse 9337		04-022/04:28:48.3
5414	M1O	04-022/04:41:06.8		NOTE: Ascending Node Crossing 9337		04-022/04:30:16.7
5415	M1O	04-022/04:43:27.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-022/04:32:37.3
5416	M1O	04-022/04:43:28.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-022/04:32:38.4
5417	M1O	04-022/04:43:38.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-022/04:32:48.4
5418	M1O	04-022/04:43:39.5		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	04-022/04:32:49.4
5419	M1O	04-022/04:45:05.1		GV: GV_DESAT_ACTIVE = 1		04-022/04:34:15.0
5420	M1O	04-022/04:45:06.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-022/04:34:16.0
5421	M1O	04-022/04:45:06.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-022/04:34:16.0
5422	M1O	04-022/04:55:05.1		GV: GV_DESAT_ACTIVE = 0		04-022/04:44:15.0
5423	M1O	04-022/04:55:06.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-022/04:44:16.0
5424	M1O	04-022/04:55:07.1		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-022/04:44:17.0
5425	M1O	04-022/04:55:08.1		CALL, Engine = , Parameters =	unpark_hga	04-022/04:44:18.0
5426	M1O	04-022/04:55:08.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-022/04:44:18.0
5427	M1O	04-022/04:55:09.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-022/04:44:19.0
5428	M1O	04-022/04:57:04.2		NOTE: Exit Solar Eclipse 9337		04-022/04:46:14.1
5429	M1O	04-022/04:59:39.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-022/04:48:49.0
5430	M1O	04-022/04:59:40.1		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-022/04:48:50.0
5431	M1O	04-022/05:00:00.0	45	Begin Pre-Cal		
5432	M1O	04-022/05:00:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5433	M1O	04-022/05:00:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5434	M1O	04-022/05:00:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5435	M1O	04-022/05:00:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5436	M1O	04-022/05:00:00.0	45	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
5437	M1O	04-022/05:00:00.0	45	Config: RCV: Parms:		
5438	M1O	04-022/05:00:00.0	45	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
5439	M1O	04-022/05:00:00.0	45	Config: TGC: BAND=X, SR=238896.000000		
5440	M1O	04-022/05:00:00.0	45	Config: TXL		
5441	M1O	04-022/05:00:00.0	45	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
5442	M1O	04-022/05:00:00.0	45	Config: CMD		
5443	M1O	04-022/05:00:00.0	45	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
5444	M1O	04-022/05:01:49.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5445	M1O	04-022/05:03:05.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-022/04:52:15.0
5446	M1O	04-022/05:03:05.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/04:52:15.1
5447	M1O	04-022/05:03:06.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/04:52:16.1
5448	M1O	04-022/05:03:07.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-022/04:52:17.1
5449	M1O	04-022/05:03:08.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-022/04:52:18.1
5450	M1O	04-022/05:03:09.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-022/04:52:19.1
5451	M1O	04-022/05:03:19.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-022/04:52:29.1
5452	M1O	04-022/05:03:29.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-022/04:52:39.1
5453	M1O	04-022/05:03:40.1		NOTE: EXIT HGA PARK		
5454	M1O	04-022/05:03:40.1	15	Acquisition Of X-Band Signal		
5455	M1O	04-022/05:03:40.1	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5456	M1O	04-022/05:06:49.0	15	Range Modulation On: SUP=3.0dB		
5457	M1O	04-022/05:07:49.0	15	Begin Ranging Acquisition		
5458	M1O	04-022/05:08:29.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/04:57:39.1
5459	M1O	04-022/05:08:30.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/04:57:40.1
5460	M1O	04-022/05:08:30.2	15	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5461	M1O	04-022/05:08:31.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-022/04:57:41.1
5462	M1O	04-022/05:10:35.7		NOTE: Apoapsis 9337 -		04-022/04:59:45.5
5463	M1O	04-022/05:11:07.4		NOTE: North Pole Crossing 9337		04-022/05:00:17.2
5464	M1O	04-022/05:11:52.9		NOTE: Enter Planetary Atmosphere 9337		04-022/05:01:02.7
5465	M1O	04-022/05:13:53.3		SPAWN, Engine = 65535, Parameters = 3, 00:14:32.976, 1	dpt	04-022/05:03:03.1
5466	M1O	04-022/05:13:55.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/05:03:05.2
5467	M1O	04-022/05:13:55.4	15	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5468	M1O	04-022/05:13:56.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/05:03:06.2
5469	M1O	04-022/05:14:55.3		NOTE: Enter Earth Occultation 9337		04-022/05:04:05.1
5470	M1O	04-022/05:14:55.3	15	NOTE: Loss Of X-Band Signal		
5471	M1O	04-022/05:22:56.6		NOTE: Exit Earth Occultation 9337		04-022/05:12:06.4
5472	M1O	04-022/05:22:56.6	15	Acquisition Of X-Band Signal		
5473	M1O	04-022/05:22:56.6	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5474	M1O	04-022/05:23:29.3	15	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5475	M1O	04-022/05:26:00.4		NOTE: Exit Planetary Atmosphere 9337		04-022/05:15:10.2
5476	M1O	04-022/05:28:28.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/05:17:38.2
5477	M1O	04-022/05:28:28.4	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5478	M1O	04-022/05:28:29.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/05:17:39.2
5479	M1O	04-022/05:41:06.7		NOTE: Descending Node Crossing 9338		04-022/05:30:16.4
5480	M1O	04-022/06:09:57.1		NOTE: Periapsis 9338 ----------		04-022/05:59:06.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5481	M1O	04-022/06:10:24.3		NOTE: South Pole Crossing 9338		04-022/05:59:33.9
5482	M1O	04-022/06:15:00.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
5483	M1O	04-022/06:23:21.4		SPAWN, Engine = 65535, Parameters = 022, 02, TRUE, 00:18:44, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-022/06:12:31.0
5484	M1O	04-022/06:23:21.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/06:12:31.5
5485	M1O	04-022/06:23:21.9	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5486	M1O	04-022/06:23:22.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-022/06:12:32.1
5487	M1O	04-022/06:23:24.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-022/06:12:34.1
5488	M1O	04-022/06:23:24.8		CALL, Engine = , Parameters = 022, 02, 254	bld_autosw	04-022/06:12:34.4
5489	M1O	04-022/06:23:25.9		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-022/06:12:35.5
5490	M1O	04-022/06:23:27.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:12:36.6
5491	M1O	04-022/06:23:28.0		Deletes the designated file.: d:/dat/254_doy022_pass02_file01.dat	FILE_DELETE	04-022/06:12:37.6
5492	M1O	04-022/06:23:29.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:12:38.7
5493	M1O	04-022/06:23:30.1		Deletes the designated file.: d:/dat/254_doy022_pass02_file02.dat	FILE_DELETE	04-022/06:12:39.7
5494	M1O	04-022/06:23:31.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:12:40.8
5495	M1O	04-022/06:23:32.2		Deletes the designated file.: d:/dat/254_doy022_pass02_file03.dat	FILE_DELETE	04-022/06:12:41.8
5496	M1O	04-022/06:23:33.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:12:42.9
5497	M1O	04-022/06:23:34.3		Deletes the designated file.: d:/dat/254_doy022_pass02_file04.dat	FILE_DELETE	04-022/06:12:43.9
5498	M1O	04-022/06:23:35.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:12:45.0
5499	M1O	04-022/06:23:36.4		Deletes the designated file.: d:/dat/254_doy022_pass02_file05.dat	FILE_DELETE	04-022/06:12:46.0
5500	M1O	04-022/06:23:37.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:12:47.1
5501	M1O	04-022/06:23:38.5		Deletes the designated file.: d:/dat/254_doy022_pass02_file06.dat	FILE_DELETE	04-022/06:12:48.1
5502	M1O	04-022/06:23:39.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:12:49.2
5503	M1O	04-022/06:23:40.6		Deletes the designated file.: d:/dat/254_doy022_pass02_file07.dat	FILE_DELETE	04-022/06:12:50.2
5504	M1O	04-022/06:23:41.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:12:51.3
5505	M1O	04-022/06:23:42.7		Deletes the designated file.: d:/dat/254_doy022_pass02_file08.dat	FILE_DELETE	04-022/06:12:52.3
5506	M1O	04-022/06:23:43.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:12:53.4
5507	M1O	04-022/06:23:44.8		Deletes the designated file.: d:/dat/254_doy022_pass02_file09.dat	FILE_DELETE	04-022/06:12:54.4
5508	M1O	04-022/06:23:45.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:12:55.5
5509	M1O	04-022/06:23:46.9		Deletes the designated file.: d:/dat/254_doy022_pass02_file10.dat	FILE_DELETE	04-022/06:12:56.5
5510	M1O	04-022/06:23:48.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:12:57.6
5511	M1O	04-022/06:23:49.0		Deletes the designated file.: d:/dat/254_doy022_pass02_file11.dat	FILE_DELETE	04-022/06:12:58.6
5512	M1O	04-022/06:23:50.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:12:59.7
5513	M1O	04-022/06:23:51.1		Deletes the designated file.: d:/dat/254_doy022_pass02_file12.dat	FILE_DELETE	04-022/06:13:00.7
5514	M1O	04-022/06:23:52.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:13:01.8
5515	M1O	04-022/06:23:53.2		Deletes the designated file.: d:/dat/254_doy022_pass02_file13.dat	FILE_DELETE	04-022/06:13:02.8
5516	M1O	04-022/06:23:54.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:13:03.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5517	M1O	04-022/06:23:55.3		Deletes the designated file.: d:/dat/254_doy022_pass02_file14.dat	FILE_DELETE	04-022/06:13:04.9
5518	M1O	04-022/06:23:56.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:13:06.0
5519	M1O	04-022/06:23:57.4		Deletes the designated file.: d:/dat/254_doy022_pass02_file15.dat	FILE_DELETE	04-022/06:13:07.0
5520	M1O	04-022/06:23:58.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:13:08.1
5521	M1O	04-022/06:23:59.5		Deletes the designated file.: d:/dat/254_doy022_pass02_file16.dat	FILE_DELETE	04-022/06:13:09.1
5522	M1O	04-022/06:24:00.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:13:10.2
5523	M1O	04-022/06:24:01.6		Deletes the designated file.: d:/dat/254_doy022_pass02_file17.dat	FILE_DELETE	04-022/06:13:11.2
5524	M1O	04-022/06:24:02.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:13:12.3
5525	M1O	04-022/06:24:03.7		Deletes the designated file.: d:/dat/254_doy022_pass02_file18.dat	FILE_DELETE	04-022/06:13:13.3
5526	M1O	04-022/06:24:04.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/06:13:14.4
5527	M1O	04-022/06:24:05.8		Deletes the designated file.: d:/dat/254_doy022_pass02_file19.dat	FILE_DELETE	04-022/06:13:15.4
5528	M1O	04-022/06:24:06.8		CALL, Engine = , Parameters = 254	get_apid	04-022/06:13:16.4
5529	M1O	04-022/06:24:07.9		CALL, Engine = , Parameters = 254	get_rcv_mode	04-022/06:13:17.5
5530	M1O	04-022/06:24:08.1		CALL, Engine = , Parameters = 254	get_dl_rate	04-022/06:13:17.7
5531	M1O	04-022/06:24:09.2		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-022/06:13:18.8
5532	M1O	04-022/06:24:10.5		CALL, Engine = , Parameters = 254	get_coding	04-022/06:13:20.1
5533	M1O	04-022/06:24:11.7		CALL, Engine = , Parameters = 254	get_xmt_mode	04-022/06:13:21.3
5534	M1O	04-022/06:24:12.9		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-022/06:13:22.5
5535	M1O	04-022/06:25:00.0	15	Range Modulation Off		
5536	M1O	04-022/06:25:17.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-022/06:14:27.3
5537	M1O	04-022/06:25:18.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-022/06:14:28.3
5538	M1O	04-022/06:25:19.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-022/06:14:29.3
5539	M1O	04-022/06:25:20.7		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-022/06:14:30.3
5540	M1O	04-022/06:25:21.7		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-022/06:14:31.3
5541	M1O	04-022/06:25:22.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-022/06:14:32.3
5542	M1O	04-022/06:25:23.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-022/06:14:33.3
5543	M1O	04-022/06:27:13.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/06:16:23.3
5544	M1O	04-022/06:27:23.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-022/06:16:33.3
5545	M1O	04-022/06:28:19.0	15	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
5546	M1O	04-022/06:30:00.0	15	X-Band Transmitter Off		
5547	M1O	04-022/06:38:14.1		NOTE: Enter Solar Eclipse 9338		04-022/06:27:23.6
5548	M1O	04-022/06:39:43.2		NOTE: Ascending Node Crossing 9338		04-022/06:28:52.7
5549	M1O	04-022/06:40:38.0	15	NOTE: Below Uplink Interlock Limit		
5550	M1O	04-022/06:44:05.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-022/06:33:15.3
5551	M1O	04-022/06:44:06.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-022/06:33:16.4
5552	M1O	04-022/06:44:16.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-022/06:33:26.4
5553	M1O	04-022/06:44:17.8		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	04-022/06:33:27.4
5554	M1O	04-022/06:44:18.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-022/06:33:28.4
5555	M1O	04-022/06:44:18.8	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5556	M1O	04-022/06:44:19.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-022/06:33:29.4
5557	M1O	04-022/06:45:00.0	45	Begin Tracking		
5558	M1O	04-022/06:45:00.0	45	Acquire D/L: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
5559	M1O	04-022/06:49:18.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/06:38:28.0
5560	M1O	04-022/06:49:18.4	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5561	M1O	04-022/06:49:18.4	45	D/L Change: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5562	M1O	04-022/06:50:00.0	15	End Tracking		
5563	M1O	04-022/06:50:38.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-022/06:39:48.2
5564	M1O	04-022/06:50:40.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/06:39:50.3
5565	M1O	04-022/06:50:40.8	45	D/L Change: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5566	M1O	04-022/06:50:41.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/06:39:51.3
5567	M1O	04-022/06:51:20.5		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-022/06:40:30.0
5568	M1O	04-022/06:51:20.5	45	D/L Change: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5569	M1O	04-022/06:51:40.8	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5570	M1O	04-022/06:55:38.0		NOTE: Exit Solar Eclipse 9338		04-022/06:44:47.5
5571	M1O	04-022/06:56:40.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/06:45:50.3
5572	M1O	04-022/06:56:40.8	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5573	M1O	04-022/06:56:41.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/06:45:51.3
5574	M1O	04-022/07:00:20.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5575	M1O	04-022/07:05:00.0	15	End Post-Cal		
5576	M1O	04-022/07:05:20.0	45	Range Modulation On: SUP=3.0dB		
5577	M1O	04-022/07:06:20.0	45	Begin Ranging Acquisition		
5578	M1O	04-022/07:09:04.7		NOTE: Apoapsis 9338 -		04-022/06:58:14.1
5579	M1O	04-022/07:09:44.1		NOTE: North Pole Crossing 9338		04-022/06:58:53.5
5580	M1O	04-022/07:10:32.7		NOTE: Enter Planetary Atmosphere 9338		04-022/06:59:42.1
5581	M1O	04-022/07:10:50.5		SPAWN, Engine = 65535, Parameters =	scdiag	04-022/07:00:00.0
5582	M1O	04-022/07:10:51.6		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-022/07:00:01.1
5583	M1O	04-022/07:10:52.6		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-022/07:00:02.1
5584	M1O	04-022/07:11:53.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-022/07:01:03.0
5585	M1O	04-022/07:11:53.7		NOTE: Start Block fsw_diag		04-022/07:01:03.2
5586	M1O	04-022/07:11:54.7		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-022/07:01:04.2
5587	M1O	04-022/07:11:55.7		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	04-022/07:01:05.2
5588	M1O	04-022/07:12:06.7		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	04-022/07:01:16.2
5589	M1O	04-022/07:12:35.0		SPAWN, Engine = 65535, Parameters = 3, 00:14:23.716, 1	dpt	04-022/07:01:44.5
5590	M1O	04-022/07:12:36.7		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-022/07:01:46.2
5591	M1O	04-022/07:12:37.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/07:01:46.6
5592	M1O	04-022/07:12:37.1	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5593	M1O	04-022/07:12:38.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/07:01:47.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5594	M1O	04-022/07:12:56.7		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-022/07:02:06.2
5595	M1O	04-022/07:13:06.7		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-022/07:02:16.2
5596	M1O	04-022/07:13:26.7		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-022/07:02:36.2
5597	M1O	04-022/07:13:36.7		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-022/07:02:46.2
5598	M1O	04-022/07:13:37.1		NOTE: Enter Earth Occultation 9338		04-022/07:02:46.5
5599	M1O	04-022/07:13:37.1	45	NOTE: Loss Of X-Band Signal		
5600	M1O	04-022/07:13:41.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-022/07:02:51.2
5601	M1O	04-022/07:13:46.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-022/07:02:56.2
5602	M1O	04-022/07:13:51.7		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-022/07:03:01.2
5603	M1O	04-022/07:13:56.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-022/07:03:06.2
5604	M1O	04-022/07:14:01.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-022/07:03:11.2
5605	M1O	04-022/07:14:41.7		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-022/07:03:51.2
5606	M1O	04-022/07:14:46.7		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-022/07:03:56.2
5607	M1O	04-022/07:14:51.7		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-022/07:04:01.2
5608	M1O	04-022/07:14:56.7		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-022/07:04:06.2
5609	M1O	04-022/07:15:01.7		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-022/07:04:11.2
5610	M1O	04-022/07:15:02.7		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-022/07:04:12.2
5611	M1O	04-022/07:15:03.7		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-022/07:04:13.2
5612	M1O	04-022/07:15:04.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-022/07:04:14.2
5613	M1O	04-022/07:15:15.7		NOTE: End Block fsw_diag.mod		04-022/07:04:25.2
5614	M1O	04-022/07:21:29.4		NOTE: Exit Earth Occultation 9338		04-022/07:10:38.8
5615	M1O	04-022/07:21:29.4	45	Acquisition Of X-Band Signal		
5616	M1O	04-022/07:21:29.4	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5617	M1O	04-022/07:22:01.0	45	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5618	M1O	04-022/07:24:35.2		NOTE: Exit Planetary Atmosphere 9338		04-022/07:13:44.6
5619	M1O	04-022/07:27:00.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/07:16:10.3
5620	M1O	04-022/07:27:00.9	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5621	M1O	04-022/07:27:01.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/07:16:11.3
5622	M1O	04-022/07:39:43.7		NOTE: Descending Node Crossing 9339		04-022/07:28:53.0
5623	M1O	04-022/08:08:28.8		NOTE: Periapsis 9339 ----------		04-022/07:57:38.0
5624	M1O	04-022/08:09:01.3		NOTE: South Pole Crossing 9339		04-022/07:58:10.5
5625	M1O	04-022/08:34:53.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
5626	M1O	04-022/08:36:51.2		NOTE: Enter Solar Eclipse 9339		04-022/08:26:00.3
5627	M1O	04-022/08:38:20.1		NOTE: Ascending Node Crossing 9339		04-022/08:27:29.3
5628	M1O	04-022/08:44:53.0	45	Range Modulation Off		
5629	M1O	04-022/08:49:53.0	45	X-Band Transmitter Off		
5630	M1O	04-022/08:54:15.8		NOTE: Exit Solar Eclipse 9339		04-022/08:43:24.9
5631	M1O	04-022/08:59:03.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5632	M1O	04-022/08:59:59.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
5633	M1O	04-022/09:04:03.0	45	Range Modulation On: SUP=3.0dB		
5634	M1O	04-022/09:05:03.0	45	Begin Ranging Acquisition		
5635	M1O	04-022/09:07:22.6		NOTE: Apoapsis 9339 -		04-022/08:56:31.6
5636	M1O	04-022/09:08:20.3		NOTE: North Pole Crossing 9339		04-022/08:57:29.4
5637	M1O	04-022/09:09:04.1		NOTE: Enter Planetary Atmosphere 9339		04-022/08:58:13.1
5638	M1O	04-022/09:09:59.0	45	Range Modulation Off		
5639	M1O	04-022/09:10:32.1		SPAWN, Engine = 65535, Parameters = 3, 00:15:10, 1	dpt	04-022/08:59:41.2
5640	M1O	04-022/09:10:34.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/08:59:43.3
5641	M1O	04-022/09:10:34.2	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5642	M1O	04-022/09:10:35.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/08:59:44.3
5643	M1O	04-022/09:11:34.7	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5644	M1O	04-022/09:12:05.1		NOTE: Enter Earth Occultation 9339		04-022/09:01:14.1
5645	M1O	04-022/09:12:05.1	45	NOTE: Loss Of X-Band Signal		
5646	M1O	04-022/09:14:59.0	45	X-Band Transmitter Off		
5647	M1O	04-022/09:20:12.6		NOTE: Exit Earth Occultation 9339		04-022/09:09:21.6
5648	M1O	04-022/09:20:12.6	45	Acquisition Of X-Band Signal		
5649	M1O	04-022/09:20:12.6	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5650	M1O	04-022/09:20:44.8	45	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5651	M1O	04-022/09:23:15.1		NOTE: Exit Planetary Atmosphere 9339		04-022/09:12:24.1
5652	M1O	04-022/09:25:44.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/09:14:53.3
5653	M1O	04-022/09:25:44.3	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5654	M1O	04-022/09:25:45.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/09:14:54.3
5655	M1O	04-022/09:35:38.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-022/09:24:47.2
5656	M1O	04-022/09:35:40.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/09:24:49.3
5657	M1O	04-022/09:35:40.3	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5658	M1O	04-022/09:35:41.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/09:24:50.3
5659	M1O	04-022/09:36:40.9	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5660	M1O	04-022/09:38:18.9		NOTE: Descending Node Crossing 9340		04-022/09:27:27.9
5661	M1O	04-022/09:41:40.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/09:30:49.3
5662	M1O	04-022/09:41:40.3	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5663	M1O	04-022/09:41:41.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/09:30:50.3
5664	M1O	04-022/10:07:04.3		NOTE: Periapsis 9340 ----------		04-022/09:56:13.1
5665	M1O	04-022/10:07:36.5		NOTE: South Pole Crossing 9340		04-022/09:56:45.4
5666	M1O	04-022/10:20:00.0	54	Begin Pre-Cal		
5667	M1O	04-022/10:20:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5668	M1O	04-022/10:20:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5669	M1O	04-022/10:20:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5670	M1O	04-022/10:20:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5671	M1O	04-022/10:20:00.0	54	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
5672	M1O	04-022/10:20:00.0	54	Config: RCV: Parms:		
5673	M1O	04-022/10:20:00.0	54	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
5674	M1O	04-022/10:20:00.0	54	Config: TGC: BAND=X, SR=79632.000000		
5675	M1O	04-022/10:20:00.0	54	Config: TXL		
5676	M1O	04-022/10:20:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
5677	M1O	04-022/10:20:00.0	54	Config: CMD		
5678	M1O	04-022/10:20:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
5679	M1O	04-022/10:31:31.2		SPAWN, Engine = 65535, Parameters = 022, 01, FALSE, 00:16:26.517, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-022/10:20:40.0
5680	M1O	04-022/10:31:32.3		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	04-022/10:20:41.1
5681	M1O	04-022/10:31:34.3		CALL, Engine = , Parameters = 56	get_cmd_opt	04-022/10:20:43.1
5682	M1O	04-022/10:32:16.5		CALL, Engine = , Parameters = 56	get_apid	04-022/10:21:25.3
5683	M1O	04-022/10:32:17.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-022/10:21:26.4
5684	M1O	04-022/10:32:17.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-022/10:21:26.6
5685	M1O	04-022/10:32:18.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-022/10:21:27.7
5686	M1O	04-022/10:32:20.1		CALL, Engine = , Parameters = 56	get_coding	04-022/10:21:28.9
5687	M1O	04-022/10:32:21.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-022/10:21:30.1
5688	M1O	04-022/10:32:22.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-022/10:21:31.3
5689	M1O	04-022/10:33:27.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-022/10:22:36.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5690	M1O	04-022/10:33:28.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-022/10:22:37.1
5691	M1O	04-022/10:33:29.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-022/10:22:38.1
5692	M1O	04-022/10:33:30.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-022/10:22:39.1
5693	M1O	04-022/10:33:31.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-022/10:22:40.1
5694	M1O	04-022/10:33:32.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-022/10:22:41.1
5695	M1O	04-022/10:33:33.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-022/10:22:42.1
5696	M1O	04-022/10:35:26.1		NOTE: Enter Solar Eclipse 9340		04-022/10:24:34.9
5697	M1O	04-022/10:36:55.3		NOTE: Ascending Node Crossing 9340		04-022/10:26:04.1
5698	M1O	04-022/10:49:55.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-022/10:39:04.6
5699	M1O	04-022/10:49:56.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-022/10:39:05.7
5700	M1O	04-022/10:50:06.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-022/10:39:15.7
5701	M1O	04-022/10:50:07.9		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	04-022/10:39:16.7
5702	M1O	04-022/10:52:54.3		NOTE: Exit Solar Eclipse 9340		04-022/10:42:03.0
5703	M1O	04-022/11:05:55.3		NOTE: Apoapsis 9340 -		04-022/10:55:03.9
5704	M1O	04-022/11:06:54.4		NOTE: North Pole Crossing 9340		04-022/10:56:03.0
5705	M1O	04-022/11:07:29.8		NOTE: Enter Planetary Atmosphere 9340		04-022/10:56:38.5
5706	M1O	04-022/11:09:24.1		SPAWN, Engine = 65535, Parameters = 3, 00:14:30.007, 1	dpt	04-022/10:58:32.8
5707	M1O	04-022/11:09:26.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/10:58:34.9
5708	M1O	04-022/11:09:26.2	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5709	M1O	04-022/11:09:27.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/10:58:35.9
5710	M1O	04-022/11:10:26.1		NOTE: Enter Earth Occultation 9340		04-022/10:59:34.8
5711	M1O	04-022/11:10:26.1	45	NOTE: Loss Of X-Band Signal		
5712	M1O	04-022/11:18:56.2		NOTE: Exit Earth Occultation 9340		04-022/11:08:04.8
5713	M1O	04-022/11:18:56.2	45	Acquisition Of X-Band Signal		
5714	M1O	04-022/11:18:56.2	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5715	M1O	04-022/11:21:53.8		NOTE: Exit Planetary Atmosphere 9340		04-022/11:11:02.5
5716	M1O	04-022/11:23:56.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/11:13:04.9
5717	M1O	04-022/11:23:56.3	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5718	M1O	04-022/11:23:57.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/11:13:05.9
5719	M1O	04-022/11:36:51.7		NOTE: Descending Node Crossing 9341		04-022/11:26:00.3
5720	M1O	04-022/11:50:00.0	54	Begin Tracking		
5721	M1O	04-022/11:50:00.0	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5722	M1O	04-022/11:57:06.0	54	NOTE: Above Uplink Interlock Limit		
5723	M1O	04-022/12:00:00.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5724	M1O	04-022/12:02:13.0	45	NOTE: Below Uplink Interlock Limit		
5725	M1O	04-022/12:05:00.0	54	Range Modulation On: SUP=3.0dB		
5726	M1O	04-022/12:05:37.2		NOTE: Periapsis 9341 ----------		04-022/11:54:45.7
5727	M1O	04-022/12:06:00.0	54	Begin Ranging Acquisition		
5728	M1O	04-022/12:06:08.8		NOTE: South Pole Crossing 9341		04-022/11:55:17.3
5729	M1O	04-022/12:13:51.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/12:03:00.0
5730	M1O	04-022/12:13:51.5	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5731	M1O	04-022/12:13:51.5	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5732	M1O	04-022/12:15:00.0	45	End Tracking		
5733	M1O	04-022/12:20:40.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-022/12:09:49.3
5734	M1O	04-022/12:20:43.0		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-022/12:09:51.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
5735	M1O	04-022/12:20:44.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/12:09:52.4
5736	M1O	04-022/12:21:42.9	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5737	M1O	04-022/12:26:43.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/12:15:51.4
5738	M1O	04-022/12:26:43.0	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5739	M1O	04-022/12:26:44.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/12:15:52.4
5740	M1O	04-022/12:28:05.5		SPAWN, Engine = 65535, Parameters = 022, 02, FALSE, 00:17:51.772, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-022/12:17:14.0
5741	M1O	04-022/12:28:06.6		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	04-022/12:17:15.1
5742	M1O	04-022/12:28:08.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-022/12:17:17.1
5743	M1O	04-022/12:28:50.8		CALL, Engine = , Parameters = 56	get_apid	04-022/12:17:59.3
5744	M1O	04-022/12:28:51.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-022/12:18:00.4
5745	M1O	04-022/12:28:52.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-022/12:18:00.6
5746	M1O	04-022/12:28:53.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-022/12:18:01.7
5747	M1O	04-022/12:28:54.4		CALL, Engine = , Parameters = 56	get_coding	04-022/12:18:02.9
5748	M1O	04-022/12:28:55.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-022/12:18:04.1
5749	M1O	04-022/12:28:56.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-022/12:18:05.3
5750	M1O	04-022/12:30:00.0	45	End Post-Cal		
5751	M1O	04-022/12:30:01.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-022/12:19:10.1
5752	M1O	04-022/12:30:02.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-022/12:19:11.1
5753	M1O	04-022/12:30:03.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-022/12:19:12.1
5754	M1O	04-022/12:30:04.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-022/12:19:13.1
5755	M1O	04-022/12:30:05.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-022/12:19:14.1
5756	M1O	04-022/12:30:06.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-022/12:19:15.1
5757	M1O	04-022/12:30:07.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-022/12:19:16.1
5758	M1O	04-022/12:31:40.9	54	NOTE: X-Band Transmitter Off in 15 minutes		
5759	M1O	04-022/12:33:57.4		NOTE: Enter Solar Eclipse 9341		04-022/12:23:05.8
5760	M1O	04-022/12:35:27.2		NOTE: Ascending Node Crossing 9341		04-022/12:24:35.6
5761	M1O	04-022/12:41:41.0	54	Range Modulation Off		
5762	M1O	04-022/12:46:40.9	54	X-Band Transmitter Off		
5763	M1O	04-022/12:47:55.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-022/12:37:03.8
5764	M1O	04-022/12:47:56.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-022/12:37:04.9
5765	M1O	04-022/12:48:06.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-022/12:37:14.9
5766	M1O	04-022/12:48:07.6		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	04-022/12:37:15.9
5767	M1O	04-022/12:51:27.5		NOTE: Exit Solar Eclipse 9341		04-022/12:40:35.9
5768	M1O	04-022/12:56:18.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5769	M1O	04-022/13:01:18.0	54	Range Modulation On: SUP=3.0dB		
5770	M1O	04-022/13:02:18.0	54	Begin Ranging Acquisition		
5771	M1O	04-022/13:04:35.0		NOTE: Apoapsis 9341 -		04-022/12:53:43.3
5772	M1O	04-022/13:05:26.1		NOTE: North Pole Crossing 9341		04-022/12:54:34.4
5773	M1O	04-022/13:05:58.9		NOTE: Enter Planetary Atmosphere 9341		04-022/12:55:07.2
5774	M1O	04-022/13:07:22.0		SPAWN, Engine = 65535, Parameters = 3, 00:15:37, 1	dpt	04-022/12:56:30.3
5775	M1O	04-022/13:07:24.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/12:56:32.4
5776	M1O	04-022/13:07:24.1	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5777	M1O	04-022/13:07:25.1		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-022/12:56:33.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
5778	M1O	04-022/13:08:24.1	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5779	M1O	04-022/13:08:54.1		NOTE: Enter Earth Occultation 9341		04-022/12:58:02.4
5780	M1O	04-022/13:08:54.1	54	NOTE: Loss Of X-Band Signal		
5781	M1O	04-022/13:17:29.5		NOTE: Exit Earth Occultation 9341		04-022/13:06:37.8
5782	M1O	04-022/13:17:29.5	54	Acquisition Of X-Band Signal		
5783	M1O	04-022/13:17:29.5	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5784	M1O	04-022/13:18:01.3	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5785	M1O	04-022/13:20:26.2		NOTE: Exit Planetary Atmosphere 9341		04-022/13:09:34.4
5786	M1O	04-022/13:23:01.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/13:12:09.4
5787	M1O	04-022/13:23:01.2	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5788	M1O	04-022/13:23:02.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/13:12:10.4
5789	M1O	04-022/13:35:23.3		NOTE: Descending Node Crossing 9342		04-022/13:24:31.5
5790	M1O	04-022/14:03:57.7		NOTE: Periapsis 9342 ----------		04-022/13:53:05.8
5791	M1O	04-022/14:04:39.5		NOTE: South Pole Crossing 9342		04-022/13:53:47.6
5792	M1O	04-022/14:30:26.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
5793	M1O	04-022/14:32:28.9		NOTE: Enter Solar Eclipse 9342		04-022/14:21:36.9
5794	M1O	04-022/14:33:57.6		NOTE: Ascending Node Crossing 9342		04-022/14:23:05.6
5795	M1O	04-022/14:40:26.0	54	Range Modulation Off		
5796	M1O	04-022/14:45:26.0	54	X-Band Transmitter Off		
5797	M1O	04-022/14:49:52.7		NOTE: Exit Solar Eclipse 9342		04-022/14:39:00.7
5798	M1O	04-022/14:54:37.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5799	M1O	04-022/14:59:37.0	54	Range Modulation On: SUP=3.0dB		
5800	M1O	04-022/15:00:37.0	54	Begin Ranging Acquisition		
5801	M1O	04-022/15:02:54.6		NOTE: Apoapsis 9342 -		04-022/14:52:02.6
5802	M1O	04-022/15:03:57.6		NOTE: North Pole Crossing 9342		04-022/14:53:05.6
5803	M1O	04-022/15:04:39.4		NOTE: Enter Planetary Atmosphere 9342		04-022/14:53:47.3
5804	M1O	04-022/15:06:07.4		SPAWN, Engine = 65535, Parameters = 3, 00:15:11, 1	dpt	04-022/14:55:15.3
5805	M1O	04-022/15:06:09.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/14:55:17.4
5806	M1O	04-022/15:06:09.5	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5807	M1O	04-022/15:06:10.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/14:55:18.4
5808	M1O	04-022/15:07:10.0	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5809	M1O	04-022/15:07:40.2		NOTE: Enter Earth Occultation 9342		04-022/14:56:48.1
5810	M1O	04-022/15:07:40.2	54	NOTE: Loss Of X-Band Signal		
5811	M1O	04-022/15:15:48.9		NOTE: Exit Earth Occultation 9342		04-022/15:04:56.8
5812	M1O	04-022/15:15:48.9	54	Acquisition Of X-Band Signal		
5813	M1O	04-022/15:15:48.9	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5814	M1O	04-022/15:16:21.0	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5815	M1O	04-022/15:18:51.3		NOTE: Exit Planetary Atmosphere 9342		04-022/15:07:59.2
5816	M1O	04-022/15:21:20.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/15:10:28.4
5817	M1O	04-022/15:21:20.6	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5818	M1O	04-022/15:21:21.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/15:10:29.4
5819	M1O	04-022/15:33:55.8		NOTE: Descending Node Crossing 9343		04-022/15:23:03.6
5820	M1O	04-022/16:02:15.2		NOTE: Periapsis 9343 ----------		04-022/15:51:22.9
5821	M1O	04-022/16:03:12.7		NOTE: South Pole Crossing 9343		04-022/15:52:20.4
5822	M1O	04-022/16:29:15.4	54	NOTE: X-Band Transmitter Off in 15 minutes		
5823	M1O	04-022/16:31:06.1		NOTE: Enter Solar Eclipse 9343		04-022/16:20:13.8
5824	M1O	04-022/16:32:32.0		NOTE: Ascending Node Crossing 9343		04-022/16:21:39.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5825	M1O	04-022/16:39:15.0	54	Range Modulation Off		
5826	M1O	04-022/16:44:15.4	54	X-Band Transmitter Off		
5827	M1O	04-022/16:48:21.2		NOTE: Exit Solar Eclipse 9343		04-022/16:37:28.8
5828	M1O	04-022/16:53:15.0	54	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
5829	M1O	04-022/16:57:49.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-022/16:46:57.0
5830	M1O	04-022/16:58:05.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-020T16:46:57.100, 2004-022T16:46:57.100	PCKTS_RE_TX_TIME	04-022/16:47:12.8
5831	M1O	04-022/16:58:06.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-020T16:46:57.100, 2004-022T16:46:57.100	PCKTS_RE_TX_TIME	04-022/16:47:13.8
5832	M1O	04-022/16:58:07.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-020T16:46:57.100, 2004-022T16:46:57.100	PCKTS_RE_TX_TIME	04-022/16:47:14.8
5833	M1O	04-022/16:58:08.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-020T16:46:57.100, 2004-022T16:46:57.100	PCKTS_RE_TX_TIME	04-022/16:47:15.8
5834	M1O	04-022/16:58:09.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-020T16:46:57.100, 2004-022T16:46:57.100	PCKTS_RE_TX_TIME	04-022/16:47:16.8
5835	M1O	04-022/16:58:10.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-020T16:46:57.100, 2004-022T16:46:57.100	PCKTS_RE_TX_TIME	04-022/16:47:17.8
5836	M1O	04-022/16:58:10.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-022/16:47:17.8
5837	M1O	04-022/16:58:10.2	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5838	M1O	04-022/17:01:19.7		NOTE: Apoapsis 9343 -		04-022/16:50:27.3
5839	M1O	04-022/17:02:32.5		NOTE: North Pole Crossing 9343		04-022/16:51:40.0
5840	M1O	04-022/17:03:23.1		NOTE: Enter Planetary Atmosphere 9343		04-022/16:52:30.6
5841	M1O	04-022/17:05:11.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/16:54:18.8
5842	M1O	04-022/17:05:11.2	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5843	M1O	04-022/17:05:12.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/16:54:19.8
5844	M1O	04-022/17:05:28.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-022/16:54:35.8
5845	M1O	04-022/17:05:28.2	54	D/L RF Warning: SC antenna change - expect signal level variation		
5846	M1O	04-022/17:05:29.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-022/16:54:36.8
5847	M1O	04-022/17:06:00.2	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5848	M1O	04-022/17:06:30.2		NOTE: Enter Earth Occultation 9343		04-022/16:55:37.7
5849	M1O	04-022/17:06:30.2	54	NOTE: Loss Of X-Band Signal		
5850	M1O	04-022/17:14:10.7		NOTE: Exit Earth Occultation 9343		04-022/17:03:18.2
5851	M1O	04-022/17:14:10.7	54	Acquisition Of X-Band Signal		
5852	M1O	04-022/17:14:10.7	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5853	M1O	04-022/17:15:00.0	54	End Tracking		
5854	M1O	04-022/17:17:19.3		NOTE: Exit Planetary Atmosphere 9343		04-022/17:06:26.8
5855	M1O	04-022/17:26:38.5		SPAWN, Engine = 65535, Parameters = 022, 03, TRUE, 00:18:02, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-022/17:15:46.0
5856	M1O	04-022/17:26:39.6		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	04-022/17:15:47.1
5857	M1O	04-022/17:26:41.6		CALL, Engine = , Parameters = 254	get_cmd_opt	04-022/17:15:49.1
5858	M1O	04-022/17:26:41.9		CALL, Engine = , Parameters = 022, 03, 254	bld_autosw	04-022/17:15:49.4
5859	M1O	04-022/17:26:43.0		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-022/17:15:50.5
5860	M1O	04-022/17:26:44.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:15:51.6
5861	M1O	04-022/17:26:45.1		Deletes the designated file.: d:/dat/254_doy022_pass03_file01.dat	FILE_DELETE	04-022/17:15:52.6
5862	M1O	04-022/17:26:46.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:15:53.7
5863	M1O	04-022/17:26:47.2		Deletes the designated file.: d:/dat/254_doy022_pass03_file02.dat	FILE_DELETE	04-022/17:15:54.7
5864	M1O	04-022/17:26:48.3		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-022/17:15:55.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy022_pass03_file03.dat, d:/dat/autoswitch.dat		
5865	M1O	04-022/17:26:49.3		Deletes the designated file.: d:/dat/254_doy022_pass03_file03.dat	FILE_DELETE	04-022/17:15:56.8
5866	M1O	04-022/17:26:50.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:15:57.9
5867	M1O	04-022/17:26:51.4		Deletes the designated file.: d:/dat/254_doy022_pass03_file04.dat	FILE_DELETE	04-022/17:15:58.9
5868	M1O	04-022/17:26:52.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:00.0
5869	M1O	04-022/17:26:53.5		Deletes the designated file.: d:/dat/254_doy022_pass03_file05.dat	FILE_DELETE	04-022/17:16:01.0
5870	M1O	04-022/17:26:54.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:02.1
5871	M1O	04-022/17:26:55.6		Deletes the designated file.: d:/dat/254_doy022_pass03_file06.dat	FILE_DELETE	04-022/17:16:03.1
5872	M1O	04-022/17:26:56.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:04.2
5873	M1O	04-022/17:26:57.7		Deletes the designated file.: d:/dat/254_doy022_pass03_file07.dat	FILE_DELETE	04-022/17:16:05.2
5874	M1O	04-022/17:26:58.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:06.3
5875	M1O	04-022/17:26:59.8		Deletes the designated file.: d:/dat/254_doy022_pass03_file08.dat	FILE_DELETE	04-022/17:16:07.3
5876	M1O	04-022/17:27:00.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:08.4
5877	M1O	04-022/17:27:01.9		Deletes the designated file.: d:/dat/254_doy022_pass03_file09.dat	FILE_DELETE	04-022/17:16:09.4
5878	M1O	04-022/17:27:03.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:10.5
5879	M1O	04-022/17:27:04.0		Deletes the designated file.: d:/dat/254_doy022_pass03_file10.dat	FILE_DELETE	04-022/17:16:11.5
5880	M1O	04-022/17:27:05.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:12.6
5881	M1O	04-022/17:27:06.1		Deletes the designated file.: d:/dat/254_doy022_pass03_file11.dat	FILE_DELETE	04-022/17:16:13.6
5882	M1O	04-022/17:27:07.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:14.7
5883	M1O	04-022/17:27:08.2		Deletes the designated file.: d:/dat/254_doy022_pass03_file12.dat	FILE_DELETE	04-022/17:16:15.7
5884	M1O	04-022/17:27:09.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:16.8
5885	M1O	04-022/17:27:10.3		Deletes the designated file.: d:/dat/254_doy022_pass03_file13.dat	FILE_DELETE	04-022/17:16:17.8
5886	M1O	04-022/17:27:11.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:18.9
5887	M1O	04-022/17:27:12.4		Deletes the designated file.: d:/dat/254_doy022_pass03_file14.dat	FILE_DELETE	04-022/17:16:19.9
5888	M1O	04-022/17:27:13.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:21.0
5889	M1O	04-022/17:27:14.5		Deletes the designated file.: d:/dat/254_doy022_pass03_file15.dat	FILE_DELETE	04-022/17:16:22.0
5890	M1O	04-022/17:27:15.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:23.1
5891	M1O	04-022/17:27:16.6		Deletes the designated file.: d:/dat/254_doy022_pass03_file16.dat	FILE_DELETE	04-022/17:16:24.1
5892	M1O	04-022/17:27:17.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:25.2
5893	M1O	04-022/17:27:18.7		Deletes the designated file.: d:/dat/254_doy022_pass03_file17.dat	FILE_DELETE	04-022/17:16:26.2
5894	M1O	04-022/17:27:19.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:27.3
5895	M1O	04-022/17:27:20.8		Deletes the designated file.: d:/dat/254_doy022_pass03_file18.dat	FILE_DELETE	04-022/17:16:28.3
5896	M1O	04-022/17:27:21.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy022_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-022/17:16:29.4
5897	M1O	04-022/17:27:22.9		Deletes the designated file.: d:/dat/254_doy022_pass03_file19.dat	FILE_DELETE	04-022/17:16:30.4
5898	M1O	04-022/17:27:23.9		CALL, Engine = , Parameters = 254	get_apid	04-022/17:16:31.4
5899	M1O	04-022/17:27:25.0		CALL, Engine = , Parameters = 254	get_rcv_mode	04-022/17:16:32.5
5900	M1O	04-022/17:27:25.2		CALL, Engine = , Parameters = 254	get_dl_rate	04-022/17:16:32.7
5901	M1O	04-022/17:27:26.3		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-022/17:16:33.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5902	M1O	04-022/17:27:27.6		CALL, Engine = , Parameters = 254	get_coding	04-022/17:16:35.1
5903	M1O	04-022/17:27:28.8		CALL, Engine = , Parameters = 254	get_xmt_mode	04-022/17:16:36.3
5904	M1O	04-022/17:27:30.0		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-022/17:16:37.5
5905	M1O	04-022/17:28:34.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-022/17:17:42.3
5906	M1O	04-022/17:28:35.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-022/17:17:43.3
5907	M1O	04-022/17:28:36.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-022/17:17:44.3
5908	M1O	04-022/17:28:37.8		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-022/17:17:45.3
5909	M1O	04-022/17:28:38.8		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-022/17:17:46.3
5910	M1O	04-022/17:28:39.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-022/17:17:47.3
5911	M1O	04-022/17:28:40.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-022/17:17:48.3
5912	M1O	04-022/17:30:00.0	54	End Post-Cal		
5913	M1O	04-022/17:30:30.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/17:19:38.3
5914	M1O	04-022/17:30:40.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-022/17:19:48.3
5915	M1O	04-022/17:32:31.0		NOTE: Descending Node Crossing 9344		04-022/17:21:38.4
5916	M1O	04-022/17:46:40.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-022/17:35:48.3
5917	M1O	04-022/17:46:41.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-022/17:35:49.4
5918	M1O	04-022/17:46:51.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-022/17:35:59.4
5919	M1O	04-022/17:46:52.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-022/17:36:00.4
5920	M1O	04-022/17:46:53.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-022/17:36:01.4
5921	M1O	04-022/17:46:54.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-022/17:36:02.4
5922	M1O	04-022/18:01:06.4		NOTE: Periapsis 9344 ----------		04-022/17:50:13.8
5923	M1O	04-022/18:01:49.2		NOTE: South Pole Crossing 9344		04-022/17:50:56.6
5924	M1O	04-022/18:29:43.2		NOTE: Enter Solar Eclipse 9344		04-022/18:18:50.5
5925	M1O	04-022/18:31:09.2		NOTE: Ascending Node Crossing 9344		04-022/18:20:16.5
5926	M1O	04-022/18:46:57.1		NOTE: Exit Solar Eclipse 9344		04-022/18:36:04.3
5927	M1O	04-022/19:00:18.9		NOTE: Apoapsis 9344 -		04-022/18:49:26.1
5928	M1O	04-022/19:01:09.2		NOTE: North Pole Crossing 9344		04-022/18:50:16.4
5929	M1O	04-022/19:02:02.0		NOTE: Enter Planetary Atmosphere 9344		04-022/18:51:09.2
5930	M1O	04-022/19:05:11.7		NOTE: Enter Earth Occultation 9344		04-022/18:54:18.9
5931	M1O	04-022/19:12:41.2		NOTE: Exit Earth Occultation 9344		04-022/19:01:48.4
5932	M1O	04-022/19:15:52.3		NOTE: Exit Planetary Atmosphere 9344		04-022/19:04:59.4
5933	M1O	04-022/19:25:44.9		SPAWN, Engine = 65535, Parameters = 022, 04, FALSE, 00:15:03.885, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-022/19:14:52.0
5934	M1O	04-022/19:25:46.0		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	04-022/19:14:53.1
5935	M1O	04-022/19:25:48.0		CALL, Engine = , Parameters = 254	get_cmd_opt	04-022/19:14:55.1
5936	M1O	04-022/19:26:30.2		CALL, Engine = , Parameters = 254	get_apid	04-022/19:15:37.3
5937	M1O	04-022/19:26:31.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-022/19:15:38.4
5938	M1O	04-022/19:26:31.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-022/19:15:38.6
5939	M1O	04-022/19:26:32.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-022/19:15:39.7
5940	M1O	04-022/19:26:33.9		CALL, Engine = , Parameters = 254	get_coding	04-022/19:15:41.0
5941	M1O	04-022/19:26:35.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-022/19:15:42.2
5942	M1O	04-022/19:26:36.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-022/19:15:43.4
5943	M1O	04-022/19:27:41.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-022/19:16:48.2
5944	M1O	04-022/19:27:42.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-022/19:16:49.2
5945	M1O	04-022/19:27:43.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-022/19:16:50.2
5946	M1O	04-022/19:27:44.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-022/19:16:51.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5947	M1O	04-022/19:27:45.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-022/19:16:52.2
5948	M1O	04-022/19:27:46.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-022/19:16:53.2
5949	M1O	04-022/19:27:47.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-022/19:16:54.2
5950	M1O	04-022/19:31:07.7		NOTE: Descending Node Crossing 9345		04-022/19:20:14.8
5951	M1O	04-022/19:42:47.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-022/19:31:54.0
5952	M1O	04-022/19:42:48.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-022/19:31:55.1
5953	M1O	04-022/19:42:58.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-022/19:32:05.1
5954	M1O	04-022/19:42:59.1		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	04-022/19:32:06.1
5955	M1O	04-022/20:00:07.4		NOTE: Periapsis 9345 ----------		04-022/19:49:14.4
5956	M1O	04-022/20:00:26.4		NOTE: South Pole Crossing 9345		04-022/19:49:33.4
5957	M1O	04-022/20:28:18.0		NOTE: Enter Solar Eclipse 9345		04-022/20:17:24.9
5958	M1O	04-022/20:29:46.1		NOTE: Ascending Node Crossing 9345		04-022/20:18:53.0
5959	M1O	04-022/20:45:34.8		NOTE: Exit Solar Eclipse 9345		04-022/20:34:41.6
5960	M1O	04-022/20:59:20.9		NOTE: Apoapsis 9345 -		04-022/20:48:27.7
5961	M1O	04-022/20:59:45.9		NOTE: North Pole Crossing 9345		04-022/20:48:52.7
5962	M1O	04-022/21:00:37.9		NOTE: Enter Planetary Atmosphere 9345		04-022/20:49:44.7
5963	M1O	04-022/21:03:47.8		NOTE: Enter Earth Occultation 9345		04-022/20:52:54.6
5964	M1O	04-022/21:11:16.6		NOTE: Exit Earth Occultation 9345		04-022/21:00:23.4
5965	M1O	04-022/21:14:27.9		NOTE: Exit Planetary Atmosphere 9345		04-022/21:03:34.6
5966	M1O	04-022/21:29:44.6		NOTE: Descending Node Crossing 9346		04-022/21:18:51.3
5967	M1O	04-022/21:58:56.0		NOTE: Periapsis 9346 ----------		04-022/21:48:02.6
5968	M1O	04-022/21:59:02.6		NOTE: South Pole Crossing 9346		04-022/21:48:09.2
5969	M1O	04-022/22:00:00.0	15	Begin Pre-Cal		
5970	M1O	04-022/22:00:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5971	M1O	04-022/22:00:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5972	M1O	04-022/22:00:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5973	M1O	04-022/22:00:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5974	M1O	04-022/22:00:00.0	15	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
5975	M1O	04-022/22:00:00.0	15	Config: RCV: Parms:		
5976	M1O	04-022/22:00:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
5977	M1O	04-022/22:00:00.0	15	Config: TGC: BAND=X, SR=79632.000000		
5978	M1O	04-022/22:00:00.0	15	Config: TXL		
5979	M1O	04-022/22:00:00.0	15	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
5980	M1O	04-022/22:00:00.0	15	Config: CMD		
5981	M1O	04-022/22:00:00.0	15	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
5982	M1O	04-022/22:26:50.3		NOTE: Enter Solar Eclipse 9346		04-022/22:15:56.8
5983	M1O	04-022/22:28:21.1		NOTE: Ascending Node Crossing 9346		04-022/22:17:27.6
5984	M1O	04-022/22:44:12.1		NOTE: Exit Solar Eclipse 9346		04-022/22:33:18.5
5985	M1O	04-022/22:57:56.2		NOTE: Apoapsis 9346 -		04-022/22:47:02.7
5986	M1O	04-022/22:58:20.6		NOTE: North Pole Crossing 9346		04-022/22:47:27.1
5987	M1O	04-022/22:59:07.9		NOTE: Enter Planetary Atmosphere 9346		04-022/22:48:14.4
5988	M1O	04-022/22:59:35.9		SPAWN, Engine = 65535, Parameters = 00:14:56.630	cstr	04-022/22:48:42.3
5989	M1O	04-022/22:59:36.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/22:48:42.4
5990	M1O	04-022/22:59:37.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/22:48:43.4
5991	M1O	04-022/22:59:38.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-022/22:48:44.4
5992	M1O	04-022/22:59:39.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-022/22:48:45.4
5993	M1O	04-022/22:59:40.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-022/22:48:46.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5994	M1O	04-022/22:59:50.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-022/22:48:56.4
5995	M1O	04-022/23:00:00.0	15	Begin Tracking		
5996	M1O	04-022/23:00:00.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5997	M1O	04-022/23:00:00.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-022/22:49:06.4
5998	M1O	04-022/23:01:00.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5999	M1O	04-022/23:02:14.7		NOTE: Enter Earth Occultation 9346		04-022/22:51:21.1
6000	M1O	04-022/23:02:14.7	15	NOTE: Loss Of X-Band Signal		
6001	M1O	04-022/23:06:00.0	15	Range Modulation On: SUP=3.0dB		
6002	M1O	04-022/23:07:00.0	15	Begin Ranging Acquisition		
6003	M1O	04-022/23:09:57.5		NOTE: Exit Earth Occultation 9346		04-022/22:59:03.9
6004	M1O	04-022/23:09:57.5	15	Acquisition Of X-Band Signal		
6005	M1O	04-022/23:09:57.5	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6006	M1O	04-022/23:13:05.7		NOTE: Exit Planetary Atmosphere 9346		04-022/23:02:12.1
6007	M1O	04-022/23:13:40.6		SPAWN, Engine = 65535, Parameters = 022, 03, FALSE, 00:18:03.521, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-022/23:02:47.0
6008	M1O	04-022/23:13:41.7		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	04-022/23:02:48.1
6009	M1O	04-022/23:13:43.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-022/23:02:50.1
6010	M1O	04-022/23:14:25.9		CALL, Engine = , Parameters = 56	get_apid	04-022/23:03:32.3
6011	M1O	04-022/23:14:27.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-022/23:03:33.4
6012	M1O	04-022/23:14:27.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-022/23:03:33.6
6013	M1O	04-022/23:14:28.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-022/23:03:34.7
6014	M1O	04-022/23:14:29.5		CALL, Engine = , Parameters = 56	get_coding	04-022/23:03:35.9
6015	M1O	04-022/23:14:30.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-022/23:03:37.1
6016	M1O	04-022/23:14:31.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-022/23:03:38.3
6017	M1O	04-022/23:14:56.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/23:04:03.0
6018	M1O	04-022/23:14:57.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/23:04:04.0
6019	M1O	04-022/23:14:57.6	15	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6020	M1O	04-022/23:14:58.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-022/23:04:05.0
6021	M1O	04-022/23:15:36.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-022/23:04:43.1
6022	M1O	04-022/23:15:37.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-022/23:04:44.1
6023	M1O	04-022/23:15:38.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-022/23:04:45.1
6024	M1O	04-022/23:15:39.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-022/23:04:46.1
6025	M1O	04-022/23:15:40.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-022/23:04:47.1
6026	M1O	04-022/23:15:41.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-022/23:04:48.1
6027	M1O	04-022/23:15:42.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-022/23:04:49.1
6028	M1O	04-022/23:21:44.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-022/23:10:50.5
6029	M1O	04-022/23:21:46.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-022/23:10:52.6
6030	M1O	04-022/23:21:46.2	15	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6031	M1O	04-022/23:21:47.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-022/23:10:53.6
6032	M1O	04-022/23:22:47.1	15	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6033	M1O	04-022/23:27:46.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-022/23:16:52.6
6034	M1O	04-022/23:27:46.3	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6035	M1O	04-022/23:27:47.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-022/23:16:53.6
6036	M1O	04-022/23:28:19.1		NOTE: Descending Node Crossing 9347		04-022/23:17:25.4
6037	M1O	04-022/23:33:42.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-022/23:22:48.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
6038	M1O	04-022/23:33:43.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-022/23:22:49.7
6039	M1O	04-022/23:33:53.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-022/23:22:59.7
6040	M1O	04-022/23:33:54.4		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	04-022/23:23:00.7
6041	M1O	04-022/23:57:16.4		NOTE: Periapsis 9347 ----------		04-022/23:46:22.7
6042	M1O	04-022/23:57:35.9		NOTE: South Pole Crossing 9347		04-022/23:46:42.1
6043	M1O	04-023/00:00:00.0		Light Time: OWLT = 10:53, RTLT = 21:47		
6044	M1O	04-023/00:23:19.9	15	NOTE: X-Band Transmitter Off in 15 minutes		
6045	M1O	04-023/00:25:22.2		NOTE: Enter Solar Eclipse 9347		04-023/00:14:28.4
6046	M1O	04-023/00:26:53.6		NOTE: Ascending Node Crossing 9347		04-023/00:15:59.8
6047	M1O	04-023/00:33:20.0	15	Range Modulation Off		
6048	M1O	04-023/00:38:19.9	15	X-Band Transmitter Off		
6049	M1O	04-023/00:42:46.4		NOTE: Exit Solar Eclipse 9347		04-023/00:31:52.5
6050	M1O	04-023/00:47:21.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6051	M1O	04-023/00:52:21.0	15	Range Modulation On: SUP=3.0dB		
6052	M1O	04-023/00:53:21.0	15	Begin Ranging Acquisition		
6053	M1O	04-023/00:56:06.9		NOTE: Apoapsis 9347 -		04-023/00:45:12.9
6054	M1O	04-023/00:56:52.7		NOTE: North Pole Crossing 9347		04-023/00:45:58.8
6055	M1O	04-023/00:57:34.6		NOTE: Enter Planetary Atmosphere 9347		04-023/00:46:40.6
6056	M1O	04-023/00:59:05.6		SPAWN, Engine = 65535, Parameters = 3, 00:15:01, 1	dpt	04-023/00:48:11.6
6057	M1O	04-023/00:59:07.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/00:48:13.7
6058	M1O	04-023/00:59:07.7	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6059	M1O	04-023/00:59:08.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/00:48:14.7
6060	M1O	04-023/01:00:07.7	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6061	M1O	04-023/01:00:37.7		NOTE: Enter Earth Occultation 9347		04-023/00:49:43.8
6062	M1O	04-023/01:00:37.7	15	NOTE: Loss Of X-Band Signal		
6063	M1O	04-023/01:08:36.9		NOTE: Exit Earth Occultation 9347		04-023/00:57:42.9
6064	M1O	04-023/01:08:36.9	15	Acquisition Of X-Band Signal		
6065	M1O	04-023/01:08:36.9	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6066	M1O	04-023/01:09:08.8	15	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6067	M1O	04-023/01:11:41.5		NOTE: Exit Planetary Atmosphere 9347		04-023/01:00:47.5
6068	M1O	04-023/01:11:56.0		SPAWN, Engine = 65535, Parameters = 023, 01, FALSE, 00:16:01.512, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-023/01:01:02.0
6069	M1O	04-023/01:11:57.1		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	04-023/01:01:03.1
6070	M1O	04-023/01:11:59.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-023/01:01:05.1
6071	M1O	04-023/01:12:41.3		CALL, Engine = , Parameters = 56	get_apid	04-023/01:01:47.3
6072	M1O	04-023/01:12:42.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-023/01:01:48.4
6073	M1O	04-023/01:12:42.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-023/01:01:48.6
6074	M1O	04-023/01:12:43.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-023/01:01:49.7
6075	M1O	04-023/01:12:44.9		CALL, Engine = , Parameters = 56	get_coding	04-023/01:01:50.9
6076	M1O	04-023/01:12:46.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-023/01:01:52.1
6077	M1O	04-023/01:12:47.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-023/01:01:53.3
6078	M1O	04-023/01:13:52.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-023/01:02:58.1
6079	M1O	04-023/01:13:53.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-023/01:02:59.1
6080	M1O	04-023/01:13:54.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-023/01:03:00.1
6081	M1O	04-023/01:13:55.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-023/01:03:01.1
6082	M1O	04-023/01:13:56.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-023/01:03:02.1
6083	M1O	04-023/01:13:57.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-023/01:03:03.1
6084	M1O	04-023/01:13:58.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-023/01:03:04.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
6085	M1O	04-023/01:14:08.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/01:03:14.7
6086	M1O	04-023/01:14:08.7	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6087	M1O	04-023/01:14:09.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/01:03:15.7
6088	M1O	04-023/01:26:50.3		NOTE: Descending Node Crossing 9348		04-023/01:15:56.3
6089	M1O	04-023/01:29:55.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-023/01:19:01.6
6090	M1O	04-023/01:29:56.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-023/01:19:02.7
6091	M1O	04-023/01:30:06.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-023/01:19:12.7
6092	M1O	04-023/01:30:07.7		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	04-023/01:19:13.7
6093	M1O	04-023/01:55:29.4		NOTE: Periapsis 9348 ----------		04-023/01:44:35.2
6094	M1O	04-023/01:56:07.0		NOTE: South Pole Crossing 9348		04-023/01:45:12.8
6095	M1O	04-023/02:21:56.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6096	M1O	04-023/02:23:55.3		NOTE: Enter Solar Eclipse 9348		04-023/02:13:01.1
6097	M1O	04-023/02:25:25.3		NOTE: Ascending Node Crossing 9348		04-023/02:14:31.1
6098	M1O	04-023/02:31:56.0	15	Range Modulation Off		
6099	M1O	04-023/02:36:56.0	15	X-Band Transmitter Off		
6100	M1O	04-023/02:41:16.3		NOTE: Exit Solar Eclipse 9348		04-023/02:30:22.0
6101	M1O	04-023/02:45:45.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6102	M1O	04-023/02:50:45.0	15	Range Modulation On: SUP=3.0dB		
6103	M1O	04-023/02:51:45.0	15	Begin Ranging Acquisition		
6104	M1O	04-023/02:54:39.4		NOTE: Apoapsis 9348 -		04-023/02:43:45.0
6105	M1O	04-023/02:55:24.1		NOTE: North Pole Crossing 9348		04-023/02:44:29.8
6106	M1O	04-023/02:56:08.9		NOTE: Enter Planetary Atmosphere 9348		04-023/02:45:14.5
6107	M1O	04-023/02:57:42.0		SPAWN, Engine = 65535, Parameters = 3, 00:14:49, 1	dpt	04-023/02:46:47.6
6108	M1O	04-023/02:57:44.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/02:46:49.7
6109	M1O	04-023/02:57:44.1	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6110	M1O	04-023/02:57:45.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/02:46:50.7
6111	M1O	04-023/02:58:44.5	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6112	M1O	04-023/02:59:14.9		NOTE: Enter Earth Occultation 9348		04-023/02:48:20.6
6113	M1O	04-023/02:59:14.9	15	NOTE: Loss Of X-Band Signal		
6114	M1O	04-023/03:07:01.6		NOTE: Exit Earth Occultation 9348		04-023/02:56:07.3
6115	M1O	04-023/03:07:01.6	15	Acquisition Of X-Band Signal		
6116	M1O	04-023/03:07:01.6	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6117	M1O	04-023/03:07:33.6	15	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6118	M1O	04-023/03:10:09.1		NOTE: Exit Planetary Atmosphere 9348		04-023/02:59:14.7
6119	M1O	04-023/03:11:29.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6120	M1O	04-023/03:12:33.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/03:01:38.7
6121	M1O	04-023/03:12:33.1	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6122	M1O	04-023/03:12:34.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/03:01:39.7
6123	M1O	04-023/03:15:00.0	45	Begin Pre-Cal		
6124	M1O	04-023/03:15:00.0	45	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
6125	M1O	04-023/03:15:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6126	M1O	04-023/03:15:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6127	M1O	04-023/03:15:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6128	M1O	04-023/03:15:00.0	45	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
6129	M1O	04-023/03:15:00.0	45	Config: RCV: Parms:		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6130	M1O	04-023/03:15:00.0	45	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
6131	M1O	04-023/03:15:00.0	45	Config: TGC: BAND=X, SR=79632.000000		
6132	M1O	04-023/03:15:00.0	45	Config: TXL		
6133	M1O	04-023/03:15:00.0	45	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
6134	M1O	04-023/03:15:00.0	45	Config: CMD		
6135	M1O	04-023/03:15:00.0	45	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6136	M1O	04-023/03:21:29.0	15	Range Modulation Off		
6137	M1O	04-023/03:25:21.4		NOTE: Descending Node Crossing 9349		04-023/03:14:27.0
6138	M1O	04-023/03:26:29.0	15	X-Band Transmitter Off		
6139	M1O	04-023/03:38:22.4		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-023/03:27:28.0
6140	M1O	04-023/03:38:22.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-023/03:27:28.1
6141	M1O	04-023/03:38:23.5		Forces a desaturation of the reaction wheels.	RW_DESAT	04-023/03:27:29.1
6142	M1O	04-023/03:40:06.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-023/03:29:12.0
6143	M1O	04-023/03:40:22.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-021T03:29:12.100, 2004-023T03:29:12.100	PCKTS_RE_TX_TIME	04-023/03:29:27.8
6144	M1O	04-023/03:40:23.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-021T03:29:12.100, 2004-023T03:29:12.100	PCKTS_RE_TX_TIME	04-023/03:29:28.8
6145	M1O	04-023/03:40:24.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-021T03:29:12.100, 2004-023T03:29:12.100	PCKTS_RE_TX_TIME	04-023/03:29:29.8
6146	M1O	04-023/03:40:25.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-021T03:29:12.100, 2004-023T03:29:12.100	PCKTS_RE_TX_TIME	04-023/03:29:30.8
6147	M1O	04-023/03:40:26.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-021T03:29:12.100, 2004-023T03:29:12.100	PCKTS_RE_TX_TIME	04-023/03:29:31.8
6148	M1O	04-023/03:40:27.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-021T03:29:12.100, 2004-023T03:29:12.100	PCKTS_RE_TX_TIME	04-023/03:29:32.8
6149	M1O	04-023/03:40:27.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-023/03:29:32.8
6150	M1O	04-023/03:40:27.2	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6151	M1O	04-023/03:47:28.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/03:36:33.8
6152	M1O	04-023/03:47:28.2	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6153	M1O	04-023/03:47:29.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/03:36:34.8
6154	M1O	04-023/03:47:45.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-023/03:36:50.8
6155	M1O	04-023/03:47:45.2	15	D/L RF Warning: SC antenna change - expect signal level variation		
6156	M1O	04-023/03:47:46.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-023/03:36:51.8
6157	M1O	04-023/03:48:10.9	15	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
6158	M1O	04-023/03:48:17.8	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6159	M1O	04-023/03:49:53.6		CALL, Engine = , Parameters = FALSE	park_hga	04-023/03:38:59.1
6160	M1O	04-023/03:49:53.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/03:38:59.1
6161	M1O	04-023/03:49:54.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-023/03:39:00.1
6162	M1O	04-023/03:49:55.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-023/03:39:01.1
6163	M1O	04-023/03:49:55.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-023/03:39:01.1
6164	M1O	04-023/03:49:55.6		NOTE: START HGA PARK		
6165	M1O	04-023/03:49:55.6	15	NOTE: Loss Of X-Band Signal		
6166	M1O	04-023/03:49:56.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-023/03:39:02.1
6167	M1O	04-023/03:49:57.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-023/03:39:03.1
6168	M1O	04-023/03:54:00.1		NOTE: Periapsis 9349 ----------		04-023/03:43:05.6
6169	M1O	04-023/03:54:27.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-023/03:43:33.1
6170	M1O	04-023/03:54:38.9		NOTE: South Pole Crossing 9349		04-023/03:43:44.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6171	M1O	04-023/03:57:57.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-023/03:47:03.1
6172	M1O	04-023/03:57:57.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-023/03:47:03.1
6173	M1O	04-023/04:10:00.0	15	End Tracking		
6174	M1O	04-023/04:22:29.4		NOTE: Enter Solar Eclipse 9349		04-023/04:11:34.8
6175	M1O	04-023/04:23:58.3		NOTE: Ascending Node Crossing 9349		04-023/04:13:03.7
6176	M1O	04-023/04:25:00.0	15	End Post-Cal		
6177	M1O	04-023/04:27:57.6		GV: GV_DESAT_ACTIVE = 1		04-023/04:17:03.0
6178	M1O	04-023/04:27:58.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-023/04:17:04.0
6179	M1O	04-023/04:27:58.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-023/04:17:04.0
6180	M1O	04-023/04:37:57.6		GV: GV_DESAT_ACTIVE = 0		04-023/04:27:03.0
6181	M1O	04-023/04:37:58.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-023/04:27:04.0
6182	M1O	04-023/04:37:59.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-023/04:27:05.0
6183	M1O	04-023/04:38:00.6		CALL, Engine = , Parameters =	unpark_hga	04-023/04:27:06.0
6184	M1O	04-023/04:38:00.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-023/04:27:06.0
6185	M1O	04-023/04:38:01.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-023/04:27:07.0
6186	M1O	04-023/04:39:43.3		NOTE: Exit Solar Eclipse 9349		04-023/04:28:48.7
6187	M1O	04-023/04:42:31.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-023/04:31:37.0
6188	M1O	04-023/04:42:32.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-023/04:31:38.0
6189	M1O	04-023/04:46:32.6		NOTE: EXIT HGA PARK		
6190	M1O	04-023/04:53:23.0		NOTE: Apoapsis 9349 -		04-023/04:42:28.3
6191	M1O	04-023/04:53:58.5		NOTE: North Pole Crossing 9349		04-023/04:43:03.8
6192	M1O	04-023/04:54:56.1		NOTE: Enter Planetary Atmosphere 9349		04-023/04:44:01.4
6193	M1O	04-023/04:58:12.4		NOTE: Enter Earth Occultation 9349		04-023/04:47:17.7
6194	M1O	04-023/05:00:00.0	45	Begin Tracking		
6195	M1O	04-023/05:01:00.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6196	M1O	04-023/05:04:50.5		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-023/04:53:55.7
6197	M1O	04-023/05:04:50.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/04:53:55.8
6198	M1O	04-023/05:04:51.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/04:53:56.8
6199	M1O	04-023/05:04:52.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-023/04:53:57.8
6200	M1O	04-023/05:04:53.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-023/04:53:58.8
6201	M1O	04-023/05:04:54.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-023/04:53:59.8
6202	M1O	04-023/05:05:04.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-023/04:54:09.8
6203	M1O	04-023/05:05:14.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-023/04:54:19.8
6204	M1O	04-023/05:05:15.5		NOTE: Exit Earth Occultation 9349		04-023/04:54:20.7
6205	M1O	04-023/05:05:15.5	45	Acquisition Of X-Band Signal		
6206	M1O	04-023/05:05:15.5	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6207	M1O	04-023/05:06:00.0	45	Range Modulation On: SUP=3.0dB		
6208	M1O	04-023/05:07:00.0	45	Begin Ranging Acquisition		
6209	M1O	04-023/05:08:33.2		NOTE: Exit Planetary Atmosphere 9349		04-023/04:57:38.4
6210	M1O	04-023/05:10:14.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/04:59:19.8
6211	M1O	04-023/05:10:15.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/04:59:20.8
6212	M1O	04-023/05:10:15.6	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6213	M1O	04-023/05:10:16.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-023/04:59:21.8
6214	M1O	04-023/05:21:46.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-023/05:10:51.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6215	M1O	04-023/05:21:48.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/05:10:53.7
6216	M1O	04-023/05:21:48.5	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6217	M1O	04-023/05:21:49.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/05:10:54.7
6218	M1O	04-023/05:22:49.4	45	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6219	M1O	04-023/05:23:57.2		NOTE: Descending Node Crossing 9350		04-023/05:13:02.4
6220	M1O	04-023/05:27:48.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/05:16:53.7
6221	M1O	04-023/05:27:48.5	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6222	M1O	04-023/05:27:49.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/05:16:54.7
6223	M1O	04-023/05:52:44.1		NOTE: Periapsis 9350 ----------		04-023/05:41:49.2
6224	M1O	04-023/05:53:14.8		NOTE: South Pole Crossing 9350		04-023/05:42:19.9
6225	M1O	04-023/06:06:40.9		SPAWN, Engine = 65535, Parameters = 023, 01, TRUE, 00:18:52, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-023/05:55:46.0
6226	M1O	04-023/06:06:41.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/05:55:46.5
6227	M1O	04-023/06:06:41.4	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6228	M1O	04-023/06:06:42.0		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	04-023/05:55:47.1
6229	M1O	04-023/06:06:44.0		CALL, Engine = , Parameters = 254	get_cmd_opt	04-023/05:55:49.1
6230	M1O	04-023/06:06:44.3		CALL, Engine = , Parameters = 023, 01, 254	bld_autosw	04-023/05:55:49.4
6231	M1O	04-023/06:06:45.4		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-023/05:55:50.5
6232	M1O	04-023/06:06:46.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:55:51.6
6233	M1O	04-023/06:06:47.5		Deletes the designated file.: d:/dat/254_doy023_pass01_file01.dat	FILE_DELETE	04-023/05:55:52.6
6234	M1O	04-023/06:06:48.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:55:53.7
6235	M1O	04-023/06:06:49.6		Deletes the designated file.: d:/dat/254_doy023_pass01_file02.dat	FILE_DELETE	04-023/05:55:54.7
6236	M1O	04-023/06:06:50.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:55:55.8
6237	M1O	04-023/06:06:51.7		Deletes the designated file.: d:/dat/254_doy023_pass01_file03.dat	FILE_DELETE	04-023/05:55:56.8
6238	M1O	04-023/06:06:52.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:55:57.9
6239	M1O	04-023/06:06:53.8		Deletes the designated file.: d:/dat/254_doy023_pass01_file04.dat	FILE_DELETE	04-023/05:55:58.9
6240	M1O	04-023/06:06:54.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:00.0
6241	M1O	04-023/06:06:55.9		Deletes the designated file.: d:/dat/254_doy023_pass01_file05.dat	FILE_DELETE	04-023/05:56:01.0
6242	M1O	04-023/06:06:57.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:02.1
6243	M1O	04-023/06:06:58.0		Deletes the designated file.: d:/dat/254_doy023_pass01_file06.dat	FILE_DELETE	04-023/05:56:03.1
6244	M1O	04-023/06:06:59.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:04.2
6245	M1O	04-023/06:07:00.1		Deletes the designated file.: d:/dat/254_doy023_pass01_file07.dat	FILE_DELETE	04-023/05:56:05.2
6246	M1O	04-023/06:07:01.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:06.3
6247	M1O	04-023/06:07:02.2		Deletes the designated file.: d:/dat/254_doy023_pass01_file08.dat	FILE_DELETE	04-023/05:56:07.3
6248	M1O	04-023/06:07:03.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:08.4
6249	M1O	04-023/06:07:04.3		Deletes the designated file.: d:/dat/254_doy023_pass01_file09.dat	FILE_DELETE	04-023/05:56:09.4
6250	M1O	04-023/06:07:05.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:10.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6251	M1O	04-023/06:07:06.4		Deletes the designated file.: d:/dat/254_doy023_pass01_file10.dat	FILE_DELETE	04-023/05:56:11.5
6252	M1O	04-023/06:07:07.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:12.6
6253	M1O	04-023/06:07:08.5		Deletes the designated file.: d:/dat/254_doy023_pass01_file11.dat	FILE_DELETE	04-023/05:56:13.6
6254	M1O	04-023/06:07:09.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:14.7
6255	M1O	04-023/06:07:10.6		Deletes the designated file.: d:/dat/254_doy023_pass01_file12.dat	FILE_DELETE	04-023/05:56:15.7
6256	M1O	04-023/06:07:11.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:16.8
6257	M1O	04-023/06:07:12.7		Deletes the designated file.: d:/dat/254_doy023_pass01_file13.dat	FILE_DELETE	04-023/05:56:17.8
6258	M1O	04-023/06:07:13.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:18.9
6259	M1O	04-023/06:07:14.8		Deletes the designated file.: d:/dat/254_doy023_pass01_file14.dat	FILE_DELETE	04-023/05:56:19.9
6260	M1O	04-023/06:07:15.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:21.0
6261	M1O	04-023/06:07:16.9		Deletes the designated file.: d:/dat/254_doy023_pass01_file15.dat	FILE_DELETE	04-023/05:56:22.0
6262	M1O	04-023/06:07:18.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:23.1
6263	M1O	04-023/06:07:19.0		Deletes the designated file.: d:/dat/254_doy023_pass01_file16.dat	FILE_DELETE	04-023/05:56:24.1
6264	M1O	04-023/06:07:20.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:25.2
6265	M1O	04-023/06:07:21.1		Deletes the designated file.: d:/dat/254_doy023_pass01_file17.dat	FILE_DELETE	04-023/05:56:26.2
6266	M1O	04-023/06:07:22.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:27.3
6267	M1O	04-023/06:07:23.2		Deletes the designated file.: d:/dat/254_doy023_pass01_file18.dat	FILE_DELETE	04-023/05:56:28.3
6268	M1O	04-023/06:07:24.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/05:56:29.4
6269	M1O	04-023/06:07:25.3		Deletes the designated file.: d:/dat/254_doy023_pass01_file19.dat	FILE_DELETE	04-023/05:56:30.4
6270	M1O	04-023/06:07:26.3		CALL, Engine = , Parameters = 254	get_apid	04-023/05:56:31.4
6271	M1O	04-023/06:07:27.4		CALL, Engine = , Parameters = 254	get_rcv_mode	04-023/05:56:32.5
6272	M1O	04-023/06:07:27.6		CALL, Engine = , Parameters = 254	get_dl_rate	04-023/05:56:32.7
6273	M1O	04-023/06:07:28.7		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-023/05:56:33.8
6274	M1O	04-023/06:07:30.0		CALL, Engine = , Parameters = 254	get_coding	04-023/05:56:35.1
6275	M1O	04-023/06:07:31.2		CALL, Engine = , Parameters = 254	get_xmt_mode	04-023/05:56:36.3
6276	M1O	04-023/06:07:32.4		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-023/05:56:37.5
6277	M1O	04-023/06:08:37.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-023/05:57:42.3
6278	M1O	04-023/06:08:38.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-023/05:57:43.3
6279	M1O	04-023/06:08:39.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-023/05:57:44.3
6280	M1O	04-023/06:08:40.2		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-023/05:57:45.3
6281	M1O	04-023/06:08:41.2		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-023/05:57:46.3
6282	M1O	04-023/06:08:42.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-023/05:57:47.3
6283	M1O	04-023/06:08:43.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-023/05:57:48.3
6284	M1O	04-023/06:10:33.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/05:59:38.3
6285	M1O	04-023/06:10:43.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-023/05:59:48.3
6286	M1O	04-023/06:19:42.8	45	NOTE: X-Band Transmitter Off in 15 minutes		
6287	M1O	04-023/06:21:04.4		NOTE: Enter Solar Eclipse 9350		04-023/06:10:09.4
6288	M1O	04-023/06:22:33.9		NOTE: Ascending Node Crossing 9350		04-023/06:11:38.9
6289	M1O	04-023/06:27:33.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-023/06:16:38.3
6290	M1O	04-023/06:27:34.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-023/06:16:39.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6291	M1O	04-023/06:27:44.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-023/06:16:49.4
6292	M1O	04-023/06:27:45.4		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	04-023/06:16:50.4
6293	M1O	04-023/06:27:46.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-023/06:16:51.4
6294	M1O	04-023/06:27:46.4	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6295	M1O	04-023/06:27:47.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-023/06:16:52.4
6296	M1O	04-023/06:29:43.0	45	Range Modulation Off		
6297	M1O	04-023/06:32:46.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/06:21:51.0
6298	M1O	04-023/06:32:46.0	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6299	M1O	04-023/06:34:42.8	45	X-Band Transmitter Off		
6300	M1O	04-023/06:38:14.7		NOTE: Exit Solar Eclipse 9350		04-023/06:27:19.6
6301	M1O	04-023/06:42:21.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6302	M1O	04-023/06:47:21.0	45	Range Modulation On: SUP=3.0dB		
6303	M1O	04-023/06:48:21.0	45	Begin Ranging Acquisition		
6304	M1O	04-023/06:51:57.6		NOTE: Apoapsis 9350 -		04-023/06:41:02.6
6305	M1O	04-023/06:52:34.9		NOTE: North Pole Crossing 9350		04-023/06:41:39.8
6306	M1O	04-023/06:53:40.1		NOTE: Enter Planetary Atmosphere 9350		04-023/06:42:45.0
6307	M1O	04-023/06:55:30.9		SPAWN, Engine = 65535, Parameters = 3, 00:13:38, 1	dpt	04-023/06:44:35.8
6308	M1O	04-023/06:55:33.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/06:44:37.9
6309	M1O	04-023/06:55:33.0	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6310	M1O	04-023/06:55:34.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/06:44:38.9
6311	M1O	04-023/06:56:32.9	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6312	M1O	04-023/06:57:02.9		NOTE: Enter Earth Occultation 9350		04-023/06:46:07.8
6313	M1O	04-023/06:57:02.9	45	NOTE: Loss Of X-Band Signal		
6314	M1O	04-023/07:03:39.8		NOTE: Exit Earth Occultation 9350		04-023/06:52:44.7
6315	M1O	04-023/07:03:39.8	45	Acquisition Of X-Band Signal		
6316	M1O	04-023/07:03:39.8	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6317	M1O	04-023/07:04:11.1	45	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6318	M1O	04-023/07:07:04.1		NOTE: Exit Planetary Atmosphere 9350		04-023/06:56:09.0
6319	M1O	04-023/07:09:11.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/06:58:15.9
6320	M1O	04-023/07:09:11.0	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6321	M1O	04-023/07:09:12.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/06:58:16.9
6322	M1O	04-023/07:10:55.1		SPAWN, Engine = 65535, Parameters =	scdiag	04-023/07:00:00.0
6323	M1O	04-023/07:10:56.2		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-023/07:00:01.1
6324	M1O	04-023/07:10:57.2		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-023/07:00:02.1
6325	M1O	04-023/07:11:58.1		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-023/07:01:03.0
6326	M1O	04-023/07:11:58.3		NOTE: Start Block fsw_diag		04-023/07:01:03.2
6327	M1O	04-023/07:11:59.3		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-023/07:01:04.2
6328	M1O	04-023/07:12:00.3		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	04-023/07:01:05.2
6329	M1O	04-023/07:12:11.3		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	04-023/07:01:16.2
6330	M1O	04-023/07:12:41.3		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-023/07:01:46.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6331	M1O	04-023/07:13:01.3		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-023/07:02:06.2
6332	M1O	04-023/07:13:11.3		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-023/07:02:16.2
6333	M1O	04-023/07:13:31.3		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-023/07:02:36.2
6334	M1O	04-023/07:13:41.3		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-023/07:02:46.2
6335	M1O	04-023/07:13:46.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-023/07:02:51.2
6336	M1O	04-023/07:13:51.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-023/07:02:56.2
6337	M1O	04-023/07:13:56.3		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-023/07:03:01.2
6338	M1O	04-023/07:14:01.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-023/07:03:06.2
6339	M1O	04-023/07:14:06.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-023/07:03:11.2
6340	M1O	04-023/07:14:46.3		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-023/07:03:51.2
6341	M1O	04-023/07:14:51.3		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-023/07:03:56.2
6342	M1O	04-023/07:14:56.3		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-023/07:04:01.2
6343	M1O	04-023/07:15:01.3		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-023/07:04:06.2
6344	M1O	04-023/07:15:06.3		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-023/07:04:11.2
6345	M1O	04-023/07:15:07.3		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-023/07:04:12.2
6346	M1O	04-023/07:15:08.3		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-023/07:04:13.2
6347	M1O	04-023/07:15:09.3		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-023/07:04:14.2
6348	M1O	04-023/07:15:20.3		NOTE: End Block fsw_diag.mod		04-023/07:04:25.2
6349	M1O	04-023/07:22:34.5		NOTE: Descending Node Crossing 9351		04-023/07:11:39.3
6350	M1O	04-023/07:51:20.2		NOTE: Periapsis 9351 ----------		04-023/07:40:25.0
6351	M1O	04-023/07:51:51.9		NOTE: South Pole Crossing 9351		04-023/07:40:56.7
6352	M1O	04-023/08:06:52.3		SPAWN, Engine = 65535, Parameters = 023, 02, FALSE, 00:12:41.686, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-023/07:55:57.0
6353	M1O	04-023/08:06:53.4		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	04-023/07:55:58.1
6354	M1O	04-023/08:06:55.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-023/07:56:00.1
6355	M1O	04-023/08:07:37.6		CALL, Engine = , Parameters = 254	get_apid	04-023/07:56:42.3
6356	M1O	04-023/08:07:38.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-023/07:56:43.4
6357	M1O	04-023/08:07:38.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-023/07:56:43.6
6358	M1O	04-023/08:07:40.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-023/07:56:44.7
6359	M1O	04-023/08:07:41.3		CALL, Engine = , Parameters = 254	get_coding	04-023/07:56:46.0
6360	M1O	04-023/08:07:42.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-023/07:56:47.2
6361	M1O	04-023/08:07:43.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-023/07:56:48.4
6362	M1O	04-023/08:08:48.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-023/07:57:53.2
6363	M1O	04-023/08:08:49.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-023/07:57:54.2
6364	M1O	04-023/08:08:50.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-023/07:57:55.2
6365	M1O	04-023/08:08:51.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-023/07:57:56.2
6366	M1O	04-023/08:08:52.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-023/07:57:57.2
6367	M1O	04-023/08:08:53.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-023/07:57:58.2
6368	M1O	04-023/08:08:54.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-023/07:57:59.2
6369	M1O	04-023/08:18:15.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
6370	M1O	04-023/08:19:40.9		NOTE: Enter Solar Eclipse 9351		04-023/08:08:45.5
6371	M1O	04-023/08:21:10.7		NOTE: Ascending Node Crossing 9351		04-023/08:10:15.4
6372	M1O	04-023/08:21:32.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-023/08:10:36.8
6373	M1O	04-023/08:21:33.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-023/08:10:37.9
6374	M1O	04-023/08:21:43.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-023/08:10:47.9
6375	M1O	04-023/08:21:44.3		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	04-023/08:10:48.9
6376	M1O	04-023/08:28:15.0	45	Range Modulation Off		
6377	M1O	04-023/08:33:15.0	45	X-Band Transmitter Off		
6378	M1O	04-023/08:36:50.8		NOTE: Exit Solar Eclipse 9351		04-023/08:25:55.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6379	M1O	04-023/08:41:01.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6380	M1O	04-023/08:46:01.0	45	Range Modulation On: SUP=3.0dB		
6381	M1O	04-023/08:47:01.0	45	Begin Ranging Acquisition		
6382	M1O	04-023/08:50:17.5		NOTE: Apoapsis 9351 -		04-023/08:39:22.1
6383	M1O	04-023/08:51:11.5		NOTE: North Pole Crossing 9351		04-023/08:40:16.0
6384	M1O	04-023/08:52:15.1		NOTE: Enter Planetary Atmosphere 9351		04-023/08:41:19.6
6385	M1O	04-023/08:54:03.2		SPAWN, Engine = 65535, Parameters = 3, 00:13:46, 1	dpt	04-023/08:43:07.8
6386	M1O	04-023/08:54:05.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/08:43:09.9
6387	M1O	04-023/08:54:05.3	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6388	M1O	04-023/08:54:06.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/08:43:10.9
6389	M1O	04-023/08:55:05.8	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6390	M1O	04-023/08:55:36.2		NOTE: Enter Earth Occultation 9351		04-023/08:44:40.7
6391	M1O	04-023/08:55:36.2	45	NOTE: Loss Of X-Band Signal		
6392	M1O	04-023/09:02:19.7		NOTE: Exit Earth Occultation 9351		04-023/08:51:24.2
6393	M1O	04-023/09:02:19.7	45	Acquisition Of X-Band Signal		
6394	M1O	04-023/09:02:19.7	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6395	M1O	04-023/09:02:51.8	45	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6396	M1O	04-023/09:05:42.3		NOTE: Exit Planetary Atmosphere 9351		04-023/08:54:46.7
6397	M1O	04-023/09:07:51.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/08:56:55.9
6398	M1O	04-023/09:07:51.4	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6399	M1O	04-023/09:07:52.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/08:56:56.9
6400	M1O	04-023/09:21:10.6		NOTE: Descending Node Crossing 9352		04-023/09:10:15.0
6401	M1O	04-023/09:39:59.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
6402	M1O	04-023/09:49:50.7		NOTE: Periapsis 9352 ----------		04-023/09:38:55.1
6403	M1O	04-023/09:49:59.0	45	Range Modulation Off		
6404	M1O	04-023/09:50:28.1		NOTE: South Pole Crossing 9352		04-023/09:39:32.5
6405	M1O	04-023/09:54:59.0	45	X-Band Transmitter Off		
6406	M1O	04-023/10:15:47.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-023/10:04:51.8
6407	M1O	04-023/10:15:49.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/10:04:53.9
6408	M1O	04-023/10:15:49.6	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6409	M1O	04-023/10:15:50.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/10:04:54.9
6410	M1O	04-023/10:16:50.3	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6411	M1O	04-023/10:18:17.6		NOTE: Enter Solar Eclipse 9352		04-023/10:07:21.8
6412	M1O	04-023/10:19:47.1		NOTE: Ascending Node Crossing 9352		04-023/10:08:51.4
6413	M1O	04-023/10:21:49.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/10:10:53.9
6414	M1O	04-023/10:21:49.6	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6415	M1O	04-023/10:21:50.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/10:10:54.9
6416	M1O	04-023/10:35:29.8		NOTE: Exit Solar Eclipse 9352		04-023/10:24:34.0
6417	M1O	04-023/10:45:00.0	63	Begin Pre-Cal		
6418	M1O	04-023/10:45:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6419	M1O	04-023/10:45:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6420	M1O	04-023/10:45:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6421	M1O	04-023/10:45:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6422	M1O	04-023/10:45:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
6423	M1O	04-023/10:45:00.0	63	Config: RCV: Parms:		
6424	M1O	04-023/10:45:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6425	M1O	04-023/10:45:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
6426	M1O	04-023/10:45:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
6427	M1O	04-023/10:48:36.9		NOTE: Apoapsis 9352 -		04-023/10:37:41.1
6428	M1O	04-023/10:49:46.7		NOTE: North Pole Crossing 9352		04-023/10:38:50.9
6429	M1O	04-023/10:50:41.6		NOTE: Enter Planetary Atmosphere 9352		04-023/10:39:45.8
6430	M1O	04-023/10:52:53.6		SPAWN, Engine = 65535, Parameters = 3, 00:13:12.401, 1	dpt	04-023/10:41:57.8
6431	M1O	04-023/10:52:55.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/10:41:59.9
6432	M1O	04-023/10:52:55.7	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6433	M1O	04-023/10:52:56.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/10:42:00.9
6434	M1O	04-023/10:53:55.6		NOTE: Enter Earth Occultation 9352		04-023/10:42:59.8
6435	M1O	04-023/10:53:55.6	45	NOTE: Loss Of X-Band Signal		
6436	M1O	04-023/11:01:08.1		NOTE: Exit Earth Occultation 9352		04-023/10:50:12.2
6437	M1O	04-023/11:01:08.1	45	Acquisition Of X-Band Signal		
6438	M1O	04-023/11:01:08.1	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6439	M1O	04-023/11:04:23.5		NOTE: Exit Planetary Atmosphere 9352		04-023/10:53:27.6
6440	M1O	04-023/11:06:08.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/10:55:12.3
6441	M1O	04-023/11:06:08.2	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6442	M1O	04-023/11:06:09.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/10:55:13.3
6443	M1O	04-023/11:19:44.4		NOTE: Descending Node Crossing 9353		04-023/11:08:48.5
6444	M1O	04-023/11:48:24.3		NOTE: Periapsis 9353 ----------		04-023/11:37:28.3
6445	M1O	04-023/11:49:01.8		NOTE: South Pole Crossing 9353		04-023/11:38:05.8
6446	M1O	04-023/11:58:57.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-023/11:48:01.9
6447	M1O	04-023/11:59:00.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/11:48:04.0
6448	M1O	04-023/11:59:00.0	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6449	M1O	04-023/11:59:01.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/11:48:05.0
6450	M1O	04-023/11:59:48.0	45	NOTE: Below Uplink Interlock Limit		
6451	M1O	04-023/11:59:59.9		NOTE: Changing to 70M downlink rate: 110600_BPS		04-023/11:49:03.9
6452	M1O	04-023/11:59:59.9		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 110600_BPS	DOWNLINK_RATE	04-023/11:49:03.9
6453	M1O	04-023/11:59:59.9	45	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6454	M1O	04-023/12:00:00.0	63	Begin Tracking		
6455	M1O	04-023/12:00:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6456	M1O	04-023/12:05:00.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/11:54:04.0
6457	M1O	04-023/12:05:00.0	45	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	04-023/12:05:00.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6459	M1O	04-023/12:05:01.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/11:54:05.0
6460	M1O	04-023/12:10:00.0	45	End Tracking		
6461	M1O	04-023/12:10:35.0		SPAWN, Engine = 65535, Parameters = 023, 02, FALSE, 00:19:36.689, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-023/11:59:39.0
6462	M1O	04-023/12:10:36.1		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	04-023/11:59:40.1
6463	M1O	04-023/12:10:38.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-023/11:59:42.1
6464	M1O	04-023/12:11:20.3		CALL, Engine = , Parameters = 56	get_apid	04-023/12:00:24.3
6465	M1O	04-023/12:11:21.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-023/12:00:25.4
6466	M1O	04-023/12:11:21.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-023/12:00:25.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6467	M1O	04-023/12:11:22.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-023/12:00:26.7
6468	M1O	04-023/12:11:23.9		CALL, Engine = , Parameters = 56	get_coding	04-023/12:00:27.9
6469	M1O	04-023/12:11:25.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-023/12:00:29.1
6470	M1O	04-023/12:11:26.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-023/12:00:30.3
6471	M1O	04-023/12:12:31.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-023/12:01:35.1
6472	M1O	04-023/12:12:32.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-023/12:01:36.1
6473	M1O	04-023/12:12:33.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-023/12:01:37.1
6474	M1O	04-023/12:12:34.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-023/12:01:38.1
6475	M1O	04-023/12:12:35.2		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-023/12:01:39.1
6476	M1O	04-023/12:12:36.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-023/12:01:40.1
6477	M1O	04-023/12:12:37.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-023/12:01:41.1
6478	M1O	04-023/12:16:50.7		NOTE: Enter Solar Eclipse 9353		04-023/12:05:54.6
6479	M1O	04-023/12:18:20.7		NOTE: Ascending Node Crossing 9353		04-023/12:07:24.6
6480	M1O	04-023/12:25:00.0	45	End Post-Cal		
6481	M1O	04-023/12:32:09.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-023/12:21:13.7
6482	M1O	04-023/12:32:11.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-023/12:21:14.8
6483	M1O	04-023/12:32:21.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-023/12:21:24.8
6484	M1O	04-023/12:32:22.0		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	04-023/12:21:25.8
6485	M1O	04-023/12:34:06.6		NOTE: Exit Solar Eclipse 9353		04-023/12:23:10.5
6486	M1O	04-023/12:47:18.3		NOTE: Apoapsis 9353 -		04-023/12:36:22.1
6487	M1O	04-023/12:48:19.4		NOTE: North Pole Crossing 9353		04-023/12:37:23.2
6488	M1O	04-023/12:49:07.4		NOTE: Enter Planetary Atmosphere 9353		04-023/12:38:11.2
6489	M1O	04-023/12:51:14.9		SPAWN, Engine = 65535, Parameters = 3, 00:13:31.635, 1	dpt	04-023/12:40:18.7
6490	M1O	04-023/12:51:17.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/12:40:20.8
6491	M1O	04-023/12:51:17.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6492	M1O	04-023/12:51:18.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/12:40:21.8
6493	M1O	04-023/12:52:16.9		NOTE: Enter Earth Occultation 9353		04-023/12:41:20.7
6494	M1O	04-023/12:52:16.9	63	NOTE: Loss Of X-Band Signal		
6495	M1O	04-023/12:59:48.6		NOTE: Exit Earth Occultation 9353		04-023/12:48:52.3
6496	M1O	04-023/12:59:48.6	63	Acquisition Of X-Band Signal		
6497	M1O	04-023/12:59:48.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6498	M1O	04-023/13:02:59.5		NOTE: Exit Planetary Atmosphere 9353		04-023/12:52:03.3
6499	M1O	04-023/13:04:48.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/12:53:52.4
6500	M1O	04-023/13:04:48.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6501	M1O	04-023/13:04:49.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/12:53:53.4
6502	M1O	04-023/13:18:16.3		NOTE: Descending Node Crossing 9354		04-023/13:07:20.0
6503	M1O	04-023/13:46:53.2		NOTE: Periapsis 9354 ----------		04-023/13:35:56.8
6504	M1O	04-023/13:47:32.8		NOTE: South Pole Crossing 9354		04-023/13:36:36.4
6505	M1O	04-023/14:15:21.0		NOTE: Enter Solar Eclipse 9354		04-023/14:04:24.5
6506	M1O	04-023/14:16:51.1		NOTE: Ascending Node Crossing 9354		04-023/14:05:54.6
6507	M1O	04-023/14:32:35.1		NOTE: Exit Solar Eclipse 9354		04-023/14:21:38.6
6508	M1O	04-023/14:45:46.1		NOTE: Apoapsis 9354 -		04-023/14:34:49.5
6509	M1O	04-023/14:46:50.4		NOTE: North Pole Crossing 9354		04-023/14:35:53.8
6510	M1O	04-023/14:47:41.9		NOTE: Enter Planetary Atmosphere 9354		04-023/14:36:45.3
6511	M1O	04-023/14:49:52.4		SPAWN, Engine = 65535, Parameters = 3, 00:13:19.201, 1	dpt	04-023/14:38:55.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6512	M1O	04-023/14:49:54.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/14:38:57.9
6513	M1O	04-023/14:49:54.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6514	M1O	04-023/14:49:55.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/14:38:58.9
6515	M1O	04-023/14:50:54.4		NOTE: Enter Earth Occultation 9354		04-023/14:39:57.8
6516	M1O	04-023/14:50:54.4	63	NOTE: Loss Of X-Band Signal		
6517	M1O	04-023/14:58:13.6		NOTE: Exit Earth Occultation 9354		04-023/14:47:17.0
6518	M1O	04-023/14:58:13.6	63	Acquisition Of X-Band Signal		
6519	M1O	04-023/14:58:13.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6520	M1O	04-023/15:01:27.5		NOTE: Exit Planetary Atmosphere 9354		04-023/14:50:30.9
6521	M1O	04-023/15:03:13.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/14:52:17.1
6522	M1O	04-023/15:03:13.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6523	M1O	04-023/15:03:14.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/14:52:18.1
6524	M1O	04-023/15:16:47.8		NOTE: Descending Node Crossing 9355		04-023/15:05:51.1
6525	M1O	04-023/15:45:05.2		NOTE: Periapsis 9355 ----------		04-023/15:34:08.4
6526	M1O	04-023/15:46:04.2		NOTE: South Pole Crossing 9355		04-023/15:35:07.4
6527	M1O	04-023/16:13:55.5		NOTE: Enter Solar Eclipse 9355		04-023/16:02:58.6
6528	M1O	04-023/16:15:23.2		NOTE: Ascending Node Crossing 9355		04-023/16:04:26.3
6529	M1O	04-023/16:31:01.1		NOTE: Exit Solar Eclipse 9355		04-023/16:20:04.2
6530	M1O	04-023/16:44:03.5		NOTE: Apoapsis 9355 -		04-023/16:33:06.5
6531	M1O	04-023/16:45:23.5		NOTE: North Pole Crossing 9355		04-023/16:34:26.6
6532	M1O	04-023/16:46:25.2		NOTE: Enter Planetary Atmosphere 9355		04-023/16:35:28.2
6533	M1O	04-023/16:48:44.2		SPAWN, Engine = 65535, Parameters = 3, 00:12:44.039, 1	dpt	04-023/16:37:47.3
6534	M1O	04-023/16:48:46.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/16:37:49.4
6535	M1O	04-023/16:48:46.3	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6536	M1O	04-023/16:48:47.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/16:37:50.4
6537	M1O	04-023/16:49:46.2		NOTE: Enter Earth Occultation 9355		04-023/16:38:49.3
6538	M1O	04-023/16:49:46.2	63	NOTE: Loss Of X-Band Signal		
6539	M1O	04-023/16:56:30.3		NOTE: Exit Earth Occultation 9355		04-023/16:45:33.3
6540	M1O	04-023/16:56:30.3	63	Acquisition Of X-Band Signal		
6541	M1O	04-023/16:56:30.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6542	M1O	04-023/16:59:52.9		NOTE: Exit Planetary Atmosphere 9355		04-023/16:48:55.9
6543	M1O	04-023/17:01:30.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/16:50:33.4
6544	M1O	04-023/17:01:30.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6545	M1O	04-023/17:01:31.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/16:50:34.4
6546	M1O	04-023/17:14:05.0		SPAWN, Engine = 65535, Parameters = 023, 03, FALSE, 00:10:45.549, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-023/17:03:08.0
6547	M1O	04-023/17:14:06.1		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	04-023/17:03:09.1
6548	M1O	04-023/17:14:08.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-023/17:03:11.1
6549	M1O	04-023/17:14:50.3		CALL, Engine = , Parameters = 254	get_apid	04-023/17:03:53.3
6550	M1O	04-023/17:14:51.4		CALL, Engine = , Parameters = 254	get_rcv_mode	04-023/17:03:54.4
6551	M1O	04-023/17:14:51.6		CALL, Engine = , Parameters = 254	get_dl_rate	04-023/17:03:54.6
6552	M1O	04-023/17:14:52.7		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-023/17:03:55.7
6553	M1O	04-023/17:14:54.0		CALL, Engine = , Parameters = 254	get_coding	04-023/17:03:57.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6554	M1O	04-023/17:14:55.2		CALL, Engine = , Parameters = 254	get_xmt_mode	04-023/17:03:58.2
6555	M1O	04-023/17:14:56.4		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-023/17:03:59.4
6556	M1O	04-023/17:15:21.6		NOTE: Descending Node Crossing 9356		04-023/17:04:24.5
6557	M1O	04-023/17:16:01.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-023/17:05:04.2
6558	M1O	04-023/17:16:02.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-023/17:05:05.2
6559	M1O	04-023/17:16:03.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-023/17:05:06.2
6560	M1O	04-023/17:16:04.2		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-023/17:05:07.2
6561	M1O	04-023/17:16:05.2		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-023/17:05:08.2
6562	M1O	04-023/17:16:06.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-023/17:05:09.2
6563	M1O	04-023/17:16:07.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-023/17:05:10.2
6564	M1O	04-023/17:26:48.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-023/17:15:51.7
6565	M1O	04-023/17:26:49.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-023/17:15:52.8
6566	M1O	04-023/17:26:59.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-023/17:16:02.8
6567	M1O	04-023/17:27:00.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-023/17:16:03.8
6568	M1O	04-023/17:43:42.4		NOTE: Periapsis 9356 ----------		04-023/17:32:45.2
6569	M1O	04-023/17:44:39.3		NOTE: South Pole Crossing 9356		04-023/17:33:42.1
6570	M1O	04-023/18:12:33.0		NOTE: Enter Solar Eclipse 9356		04-023/18:01:35.7
6571	M1O	04-023/18:13:59.4		NOTE: Ascending Node Crossing 9356		04-023/18:03:02.1
6572	M1O	04-023/18:29:34.0		NOTE: Exit Solar Eclipse 9356		04-023/18:18:36.7
6573	M1O	04-023/18:42:49.5		NOTE: Apoapsis 9356 -		04-023/18:31:52.1
6574	M1O	04-023/18:43:59.4		NOTE: North Pole Crossing 9356		04-023/18:33:02.1
6575	M1O	04-023/18:45:06.2		NOTE: Enter Planetary Atmosphere 9356		04-023/18:34:08.8
6576	M1O	04-023/18:47:30.8		SPAWN, Engine = 65535, Parameters = 3, 00:12:22.579, 1	dpt	04-023/18:36:33.4
6577	M1O	04-023/18:47:32.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/18:36:35.5
6578	M1O	04-023/18:47:32.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6579	M1O	04-023/18:47:33.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/18:36:36.5
6580	M1O	04-023/18:48:32.8		NOTE: Enter Earth Occultation 9356		04-023/18:37:35.4
6581	M1O	04-023/18:48:32.8	63	NOTE: Loss Of X-Band Signal		
6582	M1O	04-023/18:54:55.4		NOTE: Exit Earth Occultation 9356		04-023/18:43:58.0
6583	M1O	04-023/18:54:55.4	63	Acquisition Of X-Band Signal		
6584	M1O	04-023/18:54:55.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6585	M1O	04-023/18:55:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6586	M1O	04-023/18:58:23.4		NOTE: Exit Planetary Atmosphere 9356		04-023/18:47:26.0
6587	M1O	04-023/18:59:55.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/18:48:58.1
6588	M1O	04-023/18:59:55.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6589	M1O	04-023/18:59:56.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/18:48:59.1
6590	M1O	04-023/19:00:00.0	63	Range Modulation On: SUP=3.0dB		
6591	M1O	04-023/19:01:00.0	63	Begin Ranging Acquisition		
6592	M1O	04-023/19:06:55.4		SPAWN, Engine = 65535, Parameters = 023, 04, TRUE, 00:19:04, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-023/18:55:58.0
6593	M1O	04-023/19:06:55.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/18:55:58.5
6594	M1O	04-023/19:06:55.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6595	M1O	04-023/19:06:56.5		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	04-023/18:55:59.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6596	M1O	04-023/19:06:58.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-023/18:56:01.1
6597	M1O	04-023/19:06:58.8		CALL, Engine = , Parameters = 023, 04, 254	bld_autosw	04-023/18:56:01.4
6598	M1O	04-023/19:06:59.9		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	04-023/18:56:02.5
6599	M1O	04-023/19:07:01.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:03.6
6600	M1O	04-023/19:07:02.0		Deletes the designated file.: d:/dat/254_doy023_pass04_file01.dat	FILE_DELETE	04-023/18:56:04.6
6601	M1O	04-023/19:07:03.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:05.7
6602	M1O	04-023/19:07:04.1		Deletes the designated file.: d:/dat/254_doy023_pass04_file02.dat	FILE_DELETE	04-023/18:56:06.7
6603	M1O	04-023/19:07:05.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:07.8
6604	M1O	04-023/19:07:06.2		Deletes the designated file.: d:/dat/254_doy023_pass04_file03.dat	FILE_DELETE	04-023/18:56:08.8
6605	M1O	04-023/19:07:07.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:09.9
6606	M1O	04-023/19:07:08.3		Deletes the designated file.: d:/dat/254_doy023_pass04_file04.dat	FILE_DELETE	04-023/18:56:10.9
6607	M1O	04-023/19:07:09.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:12.0
6608	M1O	04-023/19:07:10.4		Deletes the designated file.: d:/dat/254_doy023_pass04_file05.dat	FILE_DELETE	04-023/18:56:13.0
6609	M1O	04-023/19:07:11.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:14.1
6610	M1O	04-023/19:07:12.5		Deletes the designated file.: d:/dat/254_doy023_pass04_file06.dat	FILE_DELETE	04-023/18:56:15.1
6611	M1O	04-023/19:07:13.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:16.2
6612	M1O	04-023/19:07:14.6		Deletes the designated file.: d:/dat/254_doy023_pass04_file07.dat	FILE_DELETE	04-023/18:56:17.2
6613	M1O	04-023/19:07:15.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:18.3
6614	M1O	04-023/19:07:16.7		Deletes the designated file.: d:/dat/254_doy023_pass04_file08.dat	FILE_DELETE	04-023/18:56:19.3
6615	M1O	04-023/19:07:17.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:20.4
6616	M1O	04-023/19:07:18.8		Deletes the designated file.: d:/dat/254_doy023_pass04_file09.dat	FILE_DELETE	04-023/18:56:21.4
6617	M1O	04-023/19:07:19.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:22.5
6618	M1O	04-023/19:07:20.9		Deletes the designated file.: d:/dat/254_doy023_pass04_file10.dat	FILE_DELETE	04-023/18:56:23.5
6619	M1O	04-023/19:07:22.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:24.6
6620	M1O	04-023/19:07:23.0		Deletes the designated file.: d:/dat/254_doy023_pass04_file11.dat	FILE_DELETE	04-023/18:56:25.6
6621	M1O	04-023/19:07:24.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:26.7
6622	M1O	04-023/19:07:25.1		Deletes the designated file.: d:/dat/254_doy023_pass04_file12.dat	FILE_DELETE	04-023/18:56:27.7
6623	M1O	04-023/19:07:26.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:28.8
6624	M1O	04-023/19:07:27.2		Deletes the designated file.: d:/dat/254_doy023_pass04_file13.dat	FILE_DELETE	04-023/18:56:29.8
6625	M1O	04-023/19:07:28.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:30.9
6626	M1O	04-023/19:07:29.3		Deletes the designated file.: d:/dat/254_doy023_pass04_file14.dat	FILE_DELETE	04-023/18:56:31.9
6627	M1O	04-023/19:07:30.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:33.0
6628	M1O	04-023/19:07:31.4		Deletes the designated file.: d:/dat/254_doy023_pass04_file15.dat	FILE_DELETE	04-023/18:56:34.0
6629	M1O	04-023/19:07:32.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:35.1
6630	M1O	04-023/19:07:33.5		Deletes the designated file.: d:/dat/254_doy023_pass04_file16.dat	FILE_DELETE	04-023/18:56:36.1
6631	M1O	04-023/19:07:34.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:37.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6632	M1O	04-023/19:07:35.6		Deletes the designated file.: d:/dat/254_doy023_pass04_file17.dat	FILE_DELETE	04-023/18:56:38.2
6633	M1O	04-023/19:07:36.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:39.3
6634	M1O	04-023/19:07:37.7		Deletes the designated file.: d:/dat/254_doy023_pass04_file18.dat	FILE_DELETE	04-023/18:56:40.3
6635	M1O	04-023/19:07:38.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy023_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-023/18:56:41.4
6636	M1O	04-023/19:07:39.8		Deletes the designated file.: d:/dat/254_doy023_pass04_file19.dat	FILE_DELETE	04-023/18:56:42.4
6637	M1O	04-023/19:07:40.8		CALL, Engine = , Parameters = 254	get_apid	04-023/18:56:43.4
6638	M1O	04-023/19:07:41.9		CALL, Engine = , Parameters = 254	get_rcv_mode	04-023/18:56:44.5
6639	M1O	04-023/19:07:42.1		CALL, Engine = , Parameters = 254	get_dl_rate	04-023/18:56:44.7
6640	M1O	04-023/19:07:43.2		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-023/18:56:45.8
6641	M1O	04-023/19:07:44.5		CALL, Engine = , Parameters = 254	get_coding	04-023/18:56:47.1
6642	M1O	04-023/19:07:45.7		CALL, Engine = , Parameters = 254	get_xmt_mode	04-023/18:56:48.3
6643	M1O	04-023/19:07:46.9		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-023/18:56:49.5
6644	M1O	04-023/19:08:51.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-023/18:57:54.3
6645	M1O	04-023/19:08:52.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-023/18:57:55.3
6646	M1O	04-023/19:08:53.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-023/18:57:56.3
6647	M1O	04-023/19:08:54.7		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-023/18:57:57.3
6648	M1O	04-023/19:08:55.7		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-023/18:57:58.3
6649	M1O	04-023/19:08:56.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-023/18:57:59.3
6650	M1O	04-023/19:08:57.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-023/18:58:00.3
6651	M1O	04-023/19:10:47.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/18:59:50.3
6652	M1O	04-023/19:10:57.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-023/19:00:00.3
6653	M1O	04-023/19:13:57.5		NOTE: Descending Node Crossing 9357		04-023/19:03:00.0
6654	M1O	04-023/19:15:52.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-023/19:04:55.1
6655	M1O	04-023/19:15:54.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/19:04:57.2
6656	M1O	04-023/19:15:55.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/19:04:58.2
6657	M1O	04-023/19:16:54.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6658	M1O	04-023/19:21:54.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/19:10:57.2
6659	M1O	04-023/19:21:54.6	63	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6660	M1O	04-023/19:21:55.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/19:10:58.2
6661	M1O	04-023/19:21:55.6	63	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6662	M1O	04-023/19:21:55.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/19:10:58.2
6663	M1O	04-023/19:27:59.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-023/19:17:02.3
6664	M1O	04-023/19:28:00.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-023/19:17:03.4
6665	M1O	04-023/19:28:10.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-023/19:17:13.4
6666	M1O	04-023/19:28:11.8		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	04-023/19:17:14.4
6667	M1O	04-023/19:28:12.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-023/19:17:15.4
6668	M1O	04-023/19:28:12.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6669	M1O	04-023/19:28:13.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-023/19:17:16.4
6670	M1O	04-023/19:33:12.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/19:22:15.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6671	M1O	04-023/19:33:12.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6672	M1O	04-023/19:42:42.3		NOTE: Periapsis 9357 ----------		04-023/19:31:44.8
6673	M1O	04-023/19:43:16.2		NOTE: South Pole Crossing 9357		04-023/19:32:18.7
6674	M1O	04-023/20:09:47.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
6675	M1O	04-023/20:11:08.6		NOTE: Enter Solar Eclipse 9357		04-023/20:00:11.0
6676	M1O	04-023/20:12:36.5		NOTE: Ascending Node Crossing 9357		04-023/20:01:38.8
6677	M1O	04-023/20:19:47.0	63	Range Modulation Off		
6678	M1O	04-023/20:24:47.0	63	X-Band Transmitter Off		
6679	M1O	04-023/20:28:11.0		NOTE: Exit Solar Eclipse 9357		04-023/20:17:13.3
6680	M1O	04-023/20:41:55.9		NOTE: Apoapsis 9357 -		04-023/20:30:58.2
6681	M1O	04-023/20:42:36.0		NOTE: North Pole Crossing 9357		04-023/20:31:38.3
6682	M1O	04-023/20:43:43.6		NOTE: Enter Planetary Atmosphere 9357		04-023/20:32:45.9
6683	M1O	04-023/20:45:39.8		SPAWN, Engine = 65535, Parameters = 3, 00:13:17, 1	dpt	04-023/20:34:42.1
6684	M1O	04-023/20:45:41.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/20:34:44.2
6685	M1O	04-023/20:45:41.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6686	M1O	04-023/20:45:42.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/20:34:45.2
6687	M1O	04-023/20:46:42.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6688	M1O	04-023/20:47:12.3		NOTE: Enter Earth Occultation 9357		04-023/20:36:14.6
6689	M1O	04-023/20:47:12.3	63	NOTE: Loss Of X-Band Signal		
6690	M1O	04-023/20:53:27.2		NOTE: Exit Earth Occultation 9357		04-023/20:42:29.4
6691	M1O	04-023/20:53:27.2	63	Acquisition Of X-Band Signal		
6692	M1O	04-023/20:53:27.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6693	M1O	04-023/20:56:57.2		NOTE: Exit Planetary Atmosphere 9357		04-023/20:45:59.5
6694	M1O	04-023/20:58:58.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/20:48:01.2
6695	M1O	04-023/20:58:58.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6696	M1O	04-023/20:58:59.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/20:48:02.2
6697	M1O	04-023/21:12:34.2		NOTE: Descending Node Crossing 9358		04-023/21:01:36.4
6698	M1O	04-023/21:41:38.0		NOTE: Periapsis 9358 ----------		04-023/21:30:40.0
6699	M1O	04-023/21:41:52.7		NOTE: South Pole Crossing 9358		04-023/21:30:54.8
6700	M1O	04-023/22:09:41.9		NOTE: Enter Solar Eclipse 9358		04-023/21:58:43.9
6701	M1O	04-023/22:11:12.1		NOTE: Ascending Node Crossing 9358		04-023/22:00:14.1
6702	M1O	04-023/22:26:48.0		NOTE: Exit Solar Eclipse 9358		04-023/22:15:50.0
6703	M1O	04-023/22:30:00.0	15	Begin Pre-Cal		
6704	M1O	04-023/22:30:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6705	M1O	04-023/22:30:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6706	M1O	04-023/22:30:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6707	M1O	04-023/22:30:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6708	M1O	04-023/22:30:00.0	15	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
6709	M1O	04-023/22:30:00.0	15	Config: RCV: Parms:		
6710	M1O	04-023/22:30:00.0	15	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
6711	M1O	04-023/22:30:00.0	15	Config: TGC: BAND=X, SR=221200.000000		
6712	M1O	04-023/22:30:00.0	15	Config: TXL		
6713	M1O	04-023/22:30:00.0	15	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
6714	M1O	04-023/22:30:00.0	15	Config: CMD		
6715	M1O	04-023/22:30:00.0	15	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6716	M1O	04-023/22:40:44.0		NOTE: Apoapsis 9358 -		04-023/22:29:45.9
6717	M1O	04-023/22:41:11.6		NOTE: North Pole Crossing 9358		04-023/22:30:13.5
6718	M1O	04-023/22:42:16.8		NOTE: Enter Planetary Atmosphere 9358		04-023/22:31:18.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6719	M1O	04-023/22:44:11.2		SPAWN, Engine = 65535, Parameters = 3, 00:13:24, 1	dpt	04-023/22:33:13.1
6720	M1O	04-023/22:44:13.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/22:33:15.2
6721	M1O	04-023/22:44:13.3	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6722	M1O	04-023/22:44:14.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/22:33:16.2
6723	M1O	04-023/22:45:43.7		NOTE: Enter Earth Occultation 9358		04-023/22:34:45.6
6724	M1O	04-023/22:45:43.7	63	NOTE: Loss Of X-Band Signal		
6725	M1O	04-023/22:52:05.7		NOTE: Exit Earth Occultation 9358		04-023/22:41:07.6
6726	M1O	04-023/22:52:05.7	63	Acquisition Of X-Band Signal		
6727	M1O	04-023/22:52:05.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6728	M1O	04-023/22:55:34.0		NOTE: Exit Planetary Atmosphere 9358		04-023/22:44:35.8
6729	M1O	04-023/22:57:37.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/22:46:39.2
6730	M1O	04-023/22:57:37.3	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6731	M1O	04-023/22:57:38.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/22:46:40.2
6732	M1O	04-023/23:00:00.0	15	Begin Tracking		
6733	M1O	04-023/23:00:00.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6734	M1O	04-023/23:01:00.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6735	M1O	04-023/23:01:32.1		SPAWN, Engine = 65535, Parameters = 023, 04, FALSE, 00:08:45.097, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-023/22:50:34.0
6736	M1O	04-023/23:01:33.2		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	04-023/22:50:35.1
6737	M1O	04-023/23:01:35.2		CALL, Engine = , Parameters = 56	get_cmd_opt	04-023/22:50:37.1
6738	M1O	04-023/23:02:17.4		CALL, Engine = , Parameters = 56	get_apid	04-023/22:51:19.3
6739	M1O	04-023/23:02:18.5		CALL, Engine = , Parameters = 56	get_rcv_mode	04-023/22:51:20.4
6740	M1O	04-023/23:02:18.7		CALL, Engine = , Parameters = 56	get_dl_rate	04-023/22:51:20.6
6741	M1O	04-023/23:02:19.8		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-023/22:51:21.7
6742	M1O	04-023/23:02:21.0		CALL, Engine = , Parameters = 56	get_coding	04-023/22:51:22.9
6743	M1O	04-023/23:02:22.2		CALL, Engine = , Parameters = 56	get_xmt_mode	04-023/22:51:24.1
6744	M1O	04-023/23:02:23.4		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-023/22:51:25.3
6745	M1O	04-023/23:03:28.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-023/22:52:30.1
6746	M1O	04-023/23:03:29.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-023/22:52:31.1
6747	M1O	04-023/23:03:30.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-023/22:52:32.1
6748	M1O	04-023/23:03:31.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-023/22:52:33.1
6749	M1O	04-023/23:03:32.2		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-023/22:52:34.1
6750	M1O	04-023/23:03:33.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-023/22:52:35.1
6751	M1O	04-023/23:03:34.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-023/22:52:36.1
6752	M1O	04-023/23:06:00.0	15	Range Modulation On: SUP=3.0dB		
6753	M1O	04-023/23:07:00.0	15	Begin Ranging Acquisition		
6754	M1O	04-023/23:07:11.0	63	NOTE: Below Uplink Interlock Limit		
6755	M1O	04-023/23:11:10.0		NOTE: Descending Node Crossing 9359		04-023/23:00:11.8
6756	M1O	04-023/23:12:15.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-023/23:01:17.1
6757	M1O	04-023/23:12:16.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-023/23:01:18.2
6758	M1O	04-023/23:12:26.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-023/23:01:28.2
6759	M1O	04-023/23:12:27.4		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	04-023/23:01:29.2
6760	M1O	04-023/23:13:58.9		SPAWN, Engine = 65535, Parameters = 3, 00:13:54.353, 1	dpt	04-023/23:03:00.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6761	M1O	04-023/23:14:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-023/23:03:02.8
6762	M1O	04-023/23:14:01.0	15	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6763	M1O	04-023/23:14:01.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6764	M1O	04-023/23:14:02.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-023/23:03:03.8
6765	M1O	04-023/23:15:00.0	63	End Tracking		
6766	M1O	04-023/23:15:00.9		NOTE: Changing to 34M (HEF) downlink rate: 39816_BPS		04-023/23:04:02.7
6767	M1O	04-023/23:15:00.9		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-023/23:04:02.7
6768	M1O	04-023/23:15:00.9	15	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6769	M1O	04-023/23:15:06.9		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-023/23:04:08.7
6770	M1O	04-023/23:15:06.9	15	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6771	M1O	04-023/23:22:56.3	15	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6772	M1O	04-023/23:27:55.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-023/23:16:57.2
6773	M1O	04-023/23:27:55.4	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6774	M1O	04-023/23:27:56.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-023/23:16:58.2
6775	M1O	04-023/23:30:00.0	63	End Post-Cal		
6776	M1O	04-023/23:40:11.2		NOTE: Periapsis 9359 ----------		04-023/23:29:12.9
6777	M1O	04-023/23:40:27.2		NOTE: South Pole Crossing 9359		04-023/23:29:28.9
6778	M1O	04-024/00:00:00.0		Light Time: OWLT = 10:58, RTLT = 21:56		
6779	M1O	04-024/00:06:38.9	15	NOTE: X-Band Transmitter Off in 15 minutes		
6780	M1O	04-024/00:08:13.2		NOTE: Enter Solar Eclipse 9359		04-023/23:57:14.8
6781	M1O	04-024/00:09:45.4		NOTE: Ascending Node Crossing 9359		04-023/23:58:47.0
6782	M1O	04-024/00:16:39.0	15	Range Modulation Off		
6783	M1O	04-024/00:21:38.9	15	X-Band Transmitter Off		
6784	M1O	04-024/00:25:23.5		NOTE: Exit Solar Eclipse 9359		04-024/00:14:25.1
6785	M1O	04-024/00:29:23.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6786	M1O	04-024/00:34:23.0	15	Range Modulation On: SUP=3.0dB		
6787	M1O	04-024/00:35:23.0	15	Begin Ranging Acquisition		
6788	M1O	04-024/00:39:01.9		NOTE: Apoapsis 9359 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6805	M1O	04-024/00:54:11.4		NOTE: Exit Planetary Atmosphere 9359		04-024/00:43:12.9
6806	M1O	04-024/00:54:34.8		CALL, Engine = , Parameters = 56	get_apid	04-024/00:43:36.3
6807	M1O	04-024/00:54:35.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-024/00:43:37.4
6808	M1O	04-024/00:54:36.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-024/00:43:37.6
6809	M1O	04-024/00:54:37.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-024/00:43:38.7
6810	M1O	04-024/00:54:38.4		CALL, Engine = , Parameters = 56	get_coding	04-024/00:43:39.9
6811	M1O	04-024/00:54:39.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-024/00:43:41.1
6812	M1O	04-024/00:54:40.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-024/00:43:42.3
6813	M1O	04-024/00:55:45.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-024/00:44:47.1
6814	M1O	04-024/00:55:46.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-024/00:44:48.1
6815	M1O	04-024/00:55:47.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-024/00:44:49.1
6816	M1O	04-024/00:55:48.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-024/00:44:50.1
6817	M1O	04-024/00:55:49.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-024/00:44:51.1
6818	M1O	04-024/00:55:50.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-024/00:44:52.1
6819	M1O	04-024/00:55:51.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-024/00:44:53.1
6820	M1O	04-024/00:56:19.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/00:45:21.3
6821	M1O	04-024/00:56:19.8	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6822	M1O	04-024/00:56:20.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/00:45:22.3
6823	M1O	04-024/01:09:42.5		NOTE: Descending Node Crossing 9360		04-024/00:58:43.9
6824	M1O	04-024/01:15:14.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-024/01:04:16.3
6825	M1O	04-024/01:15:15.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-024/01:04:17.4
6826	M1O	04-024/01:15:25.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-024/01:04:27.4
6827	M1O	04-024/01:15:26.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-024/01:04:28.4
6828	M1O	04-024/01:38:22.8		NOTE: Periapsis 9360 ----------		04-024/01:27:24.1
6829	M1O	04-024/01:38:58.8		NOTE: South Pole Crossing 9360		04-024/01:28:00.2
6830	M1O	04-024/02:05:05.9	15	NOTE: X-Band Transmitter Off in 15 minutes		
6831	M1O	04-024/02:06:45.5		NOTE: Enter Solar Eclipse 9360		04-024/01:55:46.8
6832	M1O	04-024/02:08:16.8		NOTE: Ascending Node Crossing 9360		04-024/01:57:18.1
6833	M1O	04-024/02:15:06.0	15	Range Modulation Off		
6834	M1O	04-024/02:20:05.9	15	X-Band Transmitter Off		
6835	M1O	04-024/02:23:55.1		NOTE: Exit Solar Eclipse 9360		04-024/02:12:56.3
6836	M1O	04-024/02:27:55.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6837	M1O	04-024/02:32:55.0	15	Range Modulation On: SUP=3.0dB		
6838	M1O	04-024/02:33:55.0	15	Begin Ranging Acquisition		
6839	M1O	04-024/02:37:16.0		NOTE: Apoapsis 9360 -		04-024/02:26:17.2
6840	M1O	04-024/02:38:15.7		NOTE: North Pole Crossing 9360		04-024/02:27:16.8
6841	M1O	04-024/02:39:13.0		NOTE: Enter Planetary Atmosphere 9360		04-024/02:28:14.1
6842	M1O	04-024/02:41:01.1		SPAWN, Engine = 65535, Parameters = 3, 00:13:49, 1	dpt	04-024/02:30:02.2
6843	M1O	04-024/02:41:03.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/02:30:04.3
6844	M1O	04-024/02:41:03.2	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6845	M1O	04-024/02:41:04.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/02:30:05.3
6846	M1O	04-024/02:42:03.5	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6847	M1O	04-024/02:42:33.5		NOTE: Enter Earth Occultation 9360		04-024/02:31:34.6
6848	M1O	04-024/02:42:33.5	15	NOTE: Loss Of X-Band Signal		
6849	M1O	04-024/02:49:20.9		NOTE: Exit Earth Occultation 9360		04-024/02:38:22.0
6850	M1O	04-024/02:49:20.9	15	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6851	M1O	04-024/02:49:20.9	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6852	M1O	04-024/02:49:52.6	15	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6853	M1O	04-024/02:52:42.9		NOTE: Exit Planetary Atmosphere 9360		04-024/02:41:44.0
6854	M1O	04-024/02:54:15.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6855	M1O	04-024/02:54:52.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/02:43:53.3
6856	M1O	04-024/02:54:52.2	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6857	M1O	04-024/02:54:53.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/02:43:54.3
6858	M1O	04-024/03:04:15.0	15	Range Modulation Off		
6859	M1O	04-024/03:08:12.6		NOTE: Descending Node Crossing 9361		04-024/02:57:13.6
6860	M1O	04-024/03:09:15.0	15	X-Band Transmitter Off		
6861	M1O	04-024/03:21:12.9		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-024/03:10:14.0
6862	M1O	04-024/03:21:13.0		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-024/03:10:14.1
6863	M1O	04-024/03:21:14.0		Forces a desaturation of the reaction wheels.	RW_DESAT	04-024/03:10:15.1
6864	M1O	04-024/03:23:01.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-024/03:12:03.0
6865	M1O	04-024/03:23:17.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-022T03:12:03.100, 2004-024T03:12:03.100	PCKTS_RE_TX_TIME	04-024/03:12:18.8
6866	M1O	04-024/03:23:18.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-022T03:12:03.100, 2004-024T03:12:03.100	PCKTS_RE_TX_TIME	04-024/03:12:19.8
6867	M1O	04-024/03:23:19.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-022T03:12:03.100, 2004-024T03:12:03.100	PCKTS_RE_TX_TIME	04-024/03:12:20.8
6868	M1O	04-024/03:23:20.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-022T03:12:03.100, 2004-024T03:12:03.100	PCKTS_RE_TX_TIME	04-024/03:12:21.8
6869	M1O	04-024/03:23:21.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-022T03:12:03.100, 2004-024T03:12:03.100	PCKTS_RE_TX_TIME	04-024/03:12:22.8
6870	M1O	04-024/03:23:22.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-022T03:12:03.100, 2004-024T03:12:03.100	PCKTS_RE_TX_TIME	04-024/03:12:23.8
6871	M1O	04-024/03:23:22.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-024/03:12:23.8
6872	M1O	04-024/03:23:22.7	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6873	M1O	04-024/03:30:23.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/03:19:24.8
6874	M1O	04-024/03:30:23.8	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6875	M1O	04-024/03:30:24.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/03:19:25.8
6876	M1O	04-024/03:30:40.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-024/03:19:41.8
6877	M1O	04-024/03:30:40.8	15	D/L RF Warning: SC antenna change - expect signal level variation		
6878	M1O	04-024/03:30:41.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-024/03:19:42.8
6879	M1O	04-024/03:31:12.9	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6880	M1O	04-024/03:32:44.1		CALL, Engine = , Parameters = FALSE	park_hga	04-024/03:21:45.1
6881	M1O	04-024/03:32:44.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/03:21:45.1
6882	M1O	04-024/03:32:45.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-024/03:21:46.1
6883	M1O	04-024/03:32:46.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-024/03:21:47.1
6884	M1O	04-024/03:32:46.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-024/03:21:47.1
6885	M1O	04-024/03:32:46.1		NOTE: START HGA PARK		
6886	M1O	04-024/03:32:46.1	15	NOTE: Loss Of X-Band Signal		
6887	M1O	04-024/03:32:47.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-024/03:21:48.1
6888	M1O	04-024/03:32:48.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-024/03:21:49.1
6889	M1O	04-024/03:36:41.4		NOTE: Periapsis 9361 ----------		04-024/03:25:42.4
6890	M1O	04-024/03:37:18.1		Move the specified appendage o the specified gimbal angles unless inhibited by	APPNDG_GOTO_POS	04-024/03:26:19.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				softstops.: HGA, 873, 873		
6891	M1O	04-024/03:37:29.6		NOTE: South Pole Crossing 9361		04-024/03:26:30.5
6892	M1O	04-024/03:40:00.0	45	Begin Pre-Cal		
6893	M1O	04-024/03:40:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6894	M1O	04-024/03:40:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6895	M1O	04-024/03:40:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6896	M1O	04-024/03:40:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6897	M1O	04-024/03:40:00.0	45	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
6898	M1O	04-024/03:40:00.0	45	Config: RCV: Parms:		
6899	M1O	04-024/03:40:00.0	45	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
6900	M1O	04-024/03:40:00.0	45	Config: TGC: BAND=X, SR=79632.000000		
6901	M1O	04-024/03:40:00.0	45	Config: TXL		
6902	M1O	04-024/03:40:00.0	45	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
6903	M1O	04-024/03:40:00.0	45	Config: CMD		
6904	M1O	04-024/03:40:00.0	45	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6905	M1O	04-024/03:40:48.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-024/03:29:49.1
6906	M1O	04-024/03:40:48.1		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-024/03:29:49.1
6907	M1O	04-024/04:05:19.3		NOTE: Enter Solar Eclipse 9361		04-024/03:54:20.1
6908	M1O	04-024/04:06:48.8		NOTE: Ascending Node Crossing 9361		04-024/03:55:49.7
6909	M1O	04-024/04:10:48.1		GV: GV_DESAT_ACTIVE = 1		04-024/03:59:49.0
6910	M1O	04-024/04:10:49.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-024/03:59:50.0
6911	M1O	04-024/04:10:49.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-024/03:59:50.0
6912	M1O	04-024/04:20:48.1		GV: GV_DESAT_ACTIVE = 0		04-024/04:09:49.0
6913	M1O	04-024/04:20:49.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-024/04:09:50.0
6914	M1O	04-024/04:20:50.1		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-024/04:09:51.0
6915	M1O	04-024/04:20:51.1		CALL, Engine = , Parameters =	unpark_hga	04-024/04:09:52.0
6916	M1O	04-024/04:20:51.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-024/04:09:52.0
6917	M1O	04-024/04:20:52.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-024/04:09:53.0
6918	M1O	04-024/04:22:22.1		NOTE: Exit Solar Eclipse 9361		04-024/04:11:22.9
6919	M1O	04-024/04:25:22.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-024/04:14:23.0
6920	M1O	04-024/04:25:23.1		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-024/04:14:24.0
6921	M1O	04-024/04:26:07.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6922	M1O	04-024/04:28:48.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-024/04:17:49.0
6923	M1O	04-024/04:28:48.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/04:17:49.1
6924	M1O	04-024/04:28:49.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/04:17:50.1
6925	M1O	04-024/04:28:50.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-024/04:17:51.1
6926	M1O	04-024/04:28:51.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-024/04:17:52.1
6927	M1O	04-024/04:28:52.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-024/04:17:53.1
6928	M1O	04-024/04:29:02.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-024/04:18:03.1
6929	M1O	04-024/04:29:12.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-024/04:18:13.1
6930	M1O	04-024/04:29:23.1		NOTE: EXIT HGA PARK		
6931	M1O	04-024/04:29:23.1	15	Acquisition Of X-Band Signal		
6932	M1O	04-024/04:29:23.1	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6933	M1O	04-024/04:31:07.0	15	Range Modulation On: SUP=3.0dB		
6934	M1O	04-024/04:32:07.0	15	Begin Ranging Acquisition		
6935	M1O	04-024/04:34:12.3		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-024/04:23:13.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
6936	M1O	04-024/04:34:13.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/04:23:14.1
6937	M1O	04-024/04:34:13.3	15	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6938	M1O	04-024/04:34:14.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-024/04:23:15.1
6939	M1O	04-024/04:35:56.6		NOTE: Apoapsis 9361 -		04-024/04:24:57.4
6940	M1O	04-024/04:36:48.3		NOTE: North Pole Crossing 9361		04-024/04:25:49.1
6941	M1O	04-024/04:37:56.4		NOTE: Enter Planetary Atmosphere 9361		04-024/04:26:57.2
6942	M1O	04-024/04:40:26.3		SPAWN, Engine = 65535, Parameters = 3, 00:12:36.193, 1	dpt	04-024/04:29:27.0
6943	M1O	04-024/04:40:28.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/04:29:29.1
6944	M1O	04-024/04:40:28.4	15	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6945	M1O	04-024/04:40:29.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/04:29:30.1
6946	M1O	04-024/04:41:28.3		NOTE: Enter Earth Occultation 9361		04-024/04:30:29.0
6947	M1O	04-024/04:41:28.3	15	NOTE: Loss Of X-Band Signal		
6948	M1O	04-024/04:41:59.2		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-024/04:31:00.0
6949	M1O	04-024/04:47:32.7		NOTE: Exit Earth Occultation 9361		04-024/04:36:33.4
6950	M1O	04-024/04:47:32.7	15	Acquisition Of X-Band Signal		
6951	M1O	04-024/04:47:32.7	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6952	M1O	04-024/04:48:05.4	15	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6953	M1O	04-024/04:51:05.9		NOTE: Exit Planetary Atmosphere 9361		04-024/04:40:06.6
6954	M1O	04-024/04:53:04.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/04:42:05.3
6955	M1O	04-024/04:53:04.6	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6956	M1O	04-024/04:53:05.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/04:42:06.3
6957	M1O	04-024/05:06:46.0		NOTE: Descending Node Crossing 9362		04-024/04:55:46.6
6958	M1O	04-024/05:17:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/05:06:11.0
6959	M1O	04-024/05:25:00.0	45	Begin Tracking		
6960	M1O	04-024/05:25:00.0	45	Acquire D/L: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6961	M1O	04-024/05:35:21.2		NOTE: Periapsis 9362 ----------		04-024/05:24:21.7
6962	M1O	04-024/05:36:03.5		NOTE: South Pole Crossing 9362		04-024/05:25:04.1
6963	M1O	04-024/05:38:01.0	15	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
6964	M1O	04-024/05:40:00.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6965	M1O	04-024/05:45:58.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-024/05:34:58.6
6966	M1O	04-024/05:46:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/05:35:00.7
6967	M1O	04-024/05:46:00.2	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6968	M1O	04-024/05:46:00.2	45	D/L Change: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6969	M1O	04-024/05:46:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/05:35:01.7
6970	M1O	04-024/05:50:00.0	15	Range Modulation Off		
6971	M1O	04-024/05:52:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/05:41:00.7
6972	M1O	04-024/05:52:00.2	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6973	M1O	04-024/05:52:00.2	45	D/L Change: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6974	M1O	04-024/05:52:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/05:41:01.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6975	M1O	04-024/05:52:00.6	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6976	M1O	04-024/05:52:00.6	45	D/L Change: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6977	M1O	04-024/05:52:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/05:41:01.7
6978	M1O	04-024/05:52:19.4		SPAWN, Engine = 65535, Parameters = 024, 01, FALSE, 00:13:52.220, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-024/05:41:20.0
6979	M1O	04-024/05:52:20.5		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	04-024/05:41:21.1
6980	M1O	04-024/05:52:22.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-024/05:41:23.1
6981	M1O	04-024/05:53:04.7		CALL, Engine = , Parameters = 254	get_apid	04-024/05:42:05.3
6982	M1O	04-024/05:53:05.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-024/05:42:06.4
6983	M1O	04-024/05:53:06.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-024/05:42:06.6
6984	M1O	04-024/05:53:07.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-024/05:42:07.7
6985	M1O	04-024/05:53:08.4		CALL, Engine = , Parameters = 254	get_coding	04-024/05:42:09.0
6986	M1O	04-024/05:53:09.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-024/05:42:10.2
6987	M1O	04-024/05:53:10.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-024/05:42:11.4
6988	M1O	04-024/05:54:15.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-024/05:43:16.2
6989	M1O	04-024/05:54:16.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-024/05:43:17.2
6990	M1O	04-024/05:54:17.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-024/05:43:18.2
6991	M1O	04-024/05:54:18.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-024/05:43:19.2
6992	M1O	04-024/05:54:19.6		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-024/05:43:20.2
6993	M1O	04-024/05:54:20.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-024/05:43:21.2
6994	M1O	04-024/05:54:21.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-024/05:43:22.2
6995	M1O	04-024/05:55:00.0	15	X-Band Transmitter Off		
6996	M1O	04-024/05:55:00.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6997	M1O	04-024/06:00:00.0	15	End Tracking		
6998	M1O	04-024/06:00:00.0	15	End Post-Cal		
6999	M1O	04-024/06:00:00.0	45	Range Modulation On: SUP=3.0dB		
7000	M1O	04-024/06:01:00.0	45	Begin Ranging Acquisition		
7001	M1O	04-024/06:03:00.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
7002	M1O	04-024/06:03:53.7		NOTE: Enter Solar Eclipse 9362		04-024/05:52:54.2
7003	M1O	04-024/06:05:23.2		NOTE: Ascending Node Crossing 9362		04-024/05:54:23.7
7004	M1O	04-024/06:08:09.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-024/05:57:10.4
7005	M1O	04-024/06:08:11.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-024/05:57:11.5
7006	M1O	04-024/06:08:21.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-024/05:57:21.5
7007	M1O	04-024/06:08:22.0		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	04-024/05:57:22.5
7008	M1O	04-024/06:13:00.0	45	Range Modulation Off		
7009	M1O	04-024/06:16:58.9	45	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7010	M1O	04-024/06:18:00.0	45	X-Band Transmitter Off		
7011	M1O	04-024/06:20:51.0		NOTE: Exit Solar Eclipse 9362		04-024/06:09:51.4
7012	M1O	04-024/06:24:18.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7013	M1O	04-024/06:29:18.0	45	Range Modulation On: SUP=3.0dB		
7014	M1O	04-024/06:30:18.0	45	Begin Ranging Acquisition		
7015	M1O	04-024/06:34:37.5		NOTE: Apoapsis 9362 -		04-024/06:23:37.9
7016	M1O	04-024/06:35:23.9		NOTE: North Pole Crossing 9362		04-024/06:24:24.3
7017	M1O	04-024/06:36:43.9		NOTE: Enter Planetary Atmosphere 9362		04-024/06:25:44.3
7018	M1O	04-024/06:39:27.4		SPAWN, Engine = 65535, Parameters = 3, 00:11:47.570, 1	dpt	04-024/06:28:27.8
7019	M1O	04-024/06:39:29.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/06:28:29.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7020	M1O	04-024/06:39:30.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/06:28:30.9
7021	M1O	04-024/06:39:59.1	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7022	M1O	04-024/06:40:29.4		NOTE: Enter Earth Occultation 9362		04-024/06:29:29.8
7023	M1O	04-024/06:40:29.4	45	NOTE: Loss Of X-Band Signal		
7024	M1O	04-024/06:45:45.5		NOTE: Exit Earth Occultation 9362		04-024/06:34:45.9
7025	M1O	04-024/06:45:45.5	45	Acquisition Of X-Band Signal		
7026	M1O	04-024/06:45:45.5	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7027	M1O	04-024/06:46:17.1	45	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7028	M1O	04-024/06:49:32.5		NOTE: Exit Planetary Atmosphere 9362		04-024/06:38:32.8
7029	M1O	04-024/06:51:17.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/06:40:17.5
7030	M1O	04-024/06:51:17.1	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7031	M1O	04-024/06:51:18.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/06:40:18.5
7032	M1O	04-024/07:05:22.9		NOTE: Descending Node Crossing 9363		04-024/06:54:23.2
7033	M1O	04-024/07:10:59.7		SPAWN, Engine = 65535, Parameters =	scdiag	04-024/07:00:00.0
7034	M1O	04-024/07:11:00.8		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-024/07:00:01.1
7035	M1O	04-024/07:11:01.8		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-024/07:00:02.1
7036	M1O	04-024/07:12:02.7		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-024/07:01:03.0
7037	M1O	04-024/07:12:02.9		NOTE: Start Block fsw_diag		04-024/07:01:03.2
7038	M1O	04-024/07:12:03.9		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-024/07:01:04.2
7039	M1O	04-024/07:12:04.9		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	04-024/07:01:05.2
7040	M1O	04-024/07:12:15.9		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	04-024/07:01:16.2
7041	M1O	04-024/07:12:45.9		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-024/07:01:46.2
7042	M1O	04-024/07:13:05.9		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-024/07:02:06.2
7043	M1O	04-024/07:13:15.9		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-024/07:02:16.2
7044	M1O	04-024/07:13:35.9		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-024/07:02:36.2
7045	M1O	04-024/07:13:45.9		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-024/07:02:46.2
7046	M1O	04-024/07:13:50.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-024/07:02:51.2
7047	M1O	04-024/07:13:55.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-024/07:02:56.2
7048	M1O	04-024/07:14:00.9		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-024/07:03:01.2
7049	M1O	04-024/07:14:05.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-024/07:03:06.2
7050	M1O	04-024/07:14:10.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-024/07:03:11.2
7051	M1O	04-024/07:14:50.9		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-024/07:03:51.2
7052	M1O	04-024/07:14:55.9		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-024/07:03:56.2
7053	M1O	04-024/07:15:00.9		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-024/07:04:01.2
7054	M1O	04-024/07:15:05.9		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-024/07:04:06.2
7055	M1O	04-024/07:15:10.9		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-024/07:04:11.2
7056	M1O	04-024/07:15:11.9		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-024/07:04:12.2
7057	M1O	04-024/07:15:12.9		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-024/07:04:13.2
7058	M1O	04-024/07:15:13.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-024/07:04:14.2
7059	M1O	04-024/07:15:24.9		NOTE: End Block fsw_diag.mod		04-024/07:04:25.2
7060	M1O	04-024/07:34:02.9		NOTE: Periapsis 9363 ----------		04-024/07:23:03.1
7061	M1O	04-024/07:34:40.4		NOTE: South Pole Crossing 9363		04-024/07:23:40.6
7062	M1O	04-024/07:47:39.8		SPAWN, Engine = 65535, Parameters = 024, 02, TRUE, 00:18:32, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-024/07:36:40.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7063	M1O	04-024/07:47:40.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/07:36:40.5
7064	M1O	04-024/07:47:40.3	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7065	M1O	04-024/07:47:40.9		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	04-024/07:36:41.1
7066	M1O	04-024/07:47:42.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-024/07:36:43.1
7067	M1O	04-024/07:47:43.2		CALL, Engine = , Parameters = 024, 02, 254	bld_autosw	04-024/07:36:43.4
7068	M1O	04-024/07:47:44.3		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	04-024/07:36:44.5
7069	M1O	04-024/07:47:45.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:36:45.6
7070	M1O	04-024/07:47:46.4		Deletes the designated file.: d:/dat/254_doy024_pass02_file01.dat	FILE_DELETE	04-024/07:36:46.6
7071	M1O	04-024/07:47:47.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:36:47.7
7072	M1O	04-024/07:47:48.5		Deletes the designated file.: d:/dat/254_doy024_pass02_file02.dat	FILE_DELETE	04-024/07:36:48.7
7073	M1O	04-024/07:47:49.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:36:49.8
7074	M1O	04-024/07:47:50.6		Deletes the designated file.: d:/dat/254_doy024_pass02_file03.dat	FILE_DELETE	04-024/07:36:50.8
7075	M1O	04-024/07:47:51.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:36:51.9
7076	M1O	04-024/07:47:52.7		Deletes the designated file.: d:/dat/254_doy024_pass02_file04.dat	FILE_DELETE	04-024/07:36:52.9
7077	M1O	04-024/07:47:53.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:36:54.0
7078	M1O	04-024/07:47:54.8		Deletes the designated file.: d:/dat/254_doy024_pass02_file05.dat	FILE_DELETE	04-024/07:36:55.0
7079	M1O	04-024/07:47:55.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:36:56.1
7080	M1O	04-024/07:47:56.9		Deletes the designated file.: d:/dat/254_doy024_pass02_file06.dat	FILE_DELETE	04-024/07:36:57.1
7081	M1O	04-024/07:47:58.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:36:58.2
7082	M1O	04-024/07:47:59.0		Deletes the designated file.: d:/dat/254_doy024_pass02_file07.dat	FILE_DELETE	04-024/07:36:59.2
7083	M1O	04-024/07:48:00.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:37:00.3
7084	M1O	04-024/07:48:01.1		Deletes the designated file.: d:/dat/254_doy024_pass02_file08.dat	FILE_DELETE	04-024/07:37:01.3
7085	M1O	04-024/07:48:02.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:37:02.4
7086	M1O	04-024/07:48:03.2		Deletes the designated file.: d:/dat/254_doy024_pass02_file09.dat	FILE_DELETE	04-024/07:37:03.4
7087	M1O	04-024/07:48:04.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:37:04.5
7088	M1O	04-024/07:48:05.3		Deletes the designated file.: d:/dat/254_doy024_pass02_file10.dat	FILE_DELETE	04-024/07:37:05.5
7089	M1O	04-024/07:48:06.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:37:06.6
7090	M1O	04-024/07:48:07.4		Deletes the designated file.: d:/dat/254_doy024_pass02_file11.dat	FILE_DELETE	04-024/07:37:07.6
7091	M1O	04-024/07:48:08.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:37:08.7
7092	M1O	04-024/07:48:09.5		Deletes the designated file.: d:/dat/254_doy024_pass02_file12.dat	FILE_DELETE	04-024/07:37:09.7
7093	M1O	04-024/07:48:10.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:37:10.8
7094	M1O	04-024/07:48:11.6		Deletes the designated file.: d:/dat/254_doy024_pass02_file13.dat	FILE_DELETE	04-024/07:37:11.8
7095	M1O	04-024/07:48:12.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:37:12.9
7096	M1O	04-024/07:48:13.7		Deletes the designated file.: d:/dat/254_doy024_pass02_file14.dat	FILE_DELETE	04-024/07:37:13.9
7097	M1O	04-024/07:48:14.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:37:15.0
7098	M1O	04-024/07:48:15.8		Deletes the designated file.: d:/dat/254_doy024_pass02_file15.dat	FILE_DELETE	04-024/07:37:16.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7099	M1O	04-024/07:48:16.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:37:17.1
7100	M1O	04-024/07:48:17.9		Deletes the designated file.: d:/dat/254_doy024_pass02_file16.dat	FILE_DELETE	04-024/07:37:18.1
7101	M1O	04-024/07:48:19.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:37:19.2
7102	M1O	04-024/07:48:20.0		Deletes the designated file.: d:/dat/254_doy024_pass02_file17.dat	FILE_DELETE	04-024/07:37:20.2
7103	M1O	04-024/07:48:21.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:37:21.3
7104	M1O	04-024/07:48:22.1		Deletes the designated file.: d:/dat/254_doy024_pass02_file18.dat	FILE_DELETE	04-024/07:37:22.3
7105	M1O	04-024/07:48:23.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/07:37:23.4
7106	M1O	04-024/07:48:24.2		Deletes the designated file.: d:/dat/254_doy024_pass02_file19.dat	FILE_DELETE	04-024/07:37:24.4
7107	M1O	04-024/07:48:25.2		CALL, Engine = , Parameters = 254	get_apid	04-024/07:37:25.4
7108	M1O	04-024/07:48:26.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-024/07:37:26.5
7109	M1O	04-024/07:48:26.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-024/07:37:26.7
7110	M1O	04-024/07:48:27.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-024/07:37:27.8
7111	M1O	04-024/07:48:28.9		CALL, Engine = , Parameters = 254	get_coding	04-024/07:37:29.1
7112	M1O	04-024/07:48:30.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-024/07:37:30.3
7113	M1O	04-024/07:48:31.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-024/07:37:31.5
7114	M1O	04-024/07:49:36.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-024/07:38:36.3
7115	M1O	04-024/07:49:37.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-024/07:38:37.3
7116	M1O	04-024/07:49:38.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-024/07:38:38.3
7117	M1O	04-024/07:49:39.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-024/07:38:39.3
7118	M1O	04-024/07:49:40.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-024/07:38:40.3
7119	M1O	04-024/07:49:41.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-024/07:38:41.3
7120	M1O	04-024/07:49:42.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-024/07:38:42.3
7121	M1O	04-024/07:51:32.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/07:40:32.3
7122	M1O	04-024/07:51:42.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-024/07:40:42.3
7123	M1O	04-024/08:01:43.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
7124	M1O	04-024/08:02:29.5		NOTE: Enter Solar Eclipse 9363		04-024/07:51:29.6
7125	M1O	04-024/08:03:59.6		NOTE: Ascending Node Crossing 9363		04-024/07:52:59.7
7126	M1O	04-024/08:08:12.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-024/07:57:12.3
7127	M1O	04-024/08:08:13.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-024/07:57:13.4
7128	M1O	04-024/08:08:23.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-024/07:57:23.4
7129	M1O	04-024/08:08:24.3		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	04-024/07:57:24.4
7130	M1O	04-024/08:08:25.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-024/07:57:25.4
7131	M1O	04-024/08:08:25.3	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7132	M1O	04-024/08:08:26.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-024/07:57:26.4
7133	M1O	04-024/08:11:43.0	45	Range Modulation Off		
7134	M1O	04-024/08:13:24.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/08:02:25.0
7135	M1O	04-024/08:13:24.9	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7136	M1O	04-024/08:16:43.0	45	X-Band Transmitter Off		
7137	M1O	04-024/08:19:24.9		NOTE: Exit Solar Eclipse 9363		04-024/08:08:25.0
7138	M1O	04-024/08:22:49.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7139	M1O	04-024/08:27:49.0	45	Range Modulation On: SUP=3.0dB		
7140	M1O	04-024/08:28:49.0	45	Begin Ranging Acquisition		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7141	M1O	04-024/08:33:06.0		NOTE: Apoapsis 9363 -		04-024/08:22:06.0
7142	M1O	04-024/08:34:00.6		NOTE: North Pole Crossing 9363		04-024/08:23:00.6
7143	M1O	04-024/08:35:23.7		NOTE: Enter Planetary Atmosphere 9363		04-024/08:24:23.7
7144	M1O	04-024/08:37:40.4		SPAWN, Engine = 65535, Parameters = 3, 00:12:06, 1	dpt	04-024/08:26:40.4
7145	M1O	04-024/08:37:42.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/08:26:42.5
7146	M1O	04-024/08:37:42.5	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7147	M1O	04-024/08:37:43.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/08:26:43.5
7148	M1O	04-024/08:38:42.8	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7149	M1O	04-024/08:39:12.9		NOTE: Enter Earth Occultation 9363		04-024/08:28:12.9
7150	M1O	04-024/08:39:12.9	45	NOTE: Loss Of X-Band Signal		
7151	M1O	04-024/08:44:16.5		NOTE: Exit Earth Occultation 9363		04-024/08:33:16.4
7152	M1O	04-024/08:44:16.5	45	Acquisition Of X-Band Signal		
7153	M1O	04-024/08:44:16.5	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7154	M1O	04-024/08:44:48.9	45	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7155	M1O	04-024/08:48:07.2		NOTE: Exit Planetary Atmosphere 9363		04-024/08:37:07.2
7156	M1O	04-024/08:49:48.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/08:38:48.5
7157	M1O	04-024/08:49:48.5	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7158	M1O	04-024/08:49:49.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/08:38:49.5
7159	M1O	04-024/09:03:59.9		NOTE: Descending Node Crossing 9364		04-024/08:52:59.8
7160	M1O	04-024/09:32:34.4		NOTE: Periapsis 9364 ----------		04-024/09:21:34.2
7161	M1O	04-024/09:33:17.3		NOTE: South Pole Crossing 9364		04-024/09:22:17.1
7162	M1O	04-024/10:00:05.2	45	NOTE: X-Band Transmitter Off in 15 minutes		
7163	M1O	04-024/10:01:06.6		NOTE: Enter Solar Eclipse 9364		04-024/09:50:06.3
7164	M1O	04-024/10:02:36.5		NOTE: Ascending Node Crossing 9364		04-024/09:51:36.2
7165	M1O	04-024/10:10:05.0	45	Range Modulation Off		
7166	M1O	04-024/10:15:05.2	45	X-Band Transmitter Off		
7167	M1O	04-024/10:18:02.8		NOTE: Exit Solar Eclipse 9364		04-024/10:07:02.4
7168	M1O	04-024/10:20:00.0	55	Begin Pre-Cal		
7169	M1O	04-024/10:20:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7170	M1O	04-024/10:20:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7171	M1O	04-024/10:20:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7172	M1O	04-024/10:20:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7173	M1O	04-024/10:20:00.0	55	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
7174	M1O	04-024/10:20:00.0	55	Config: RCV: Parms:		
7175	M1O	04-024/10:20:00.0	55	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
7176	M1O	04-024/10:20:00.0	55	Config: TGC: BAND=X, SR=79632.000000		
7177	M1O	04-024/10:20:00.0	55	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
7178	M1O	04-024/10:31:23.2		NOTE: Apoapsis 9364 -		04-024/10:20:22.9
7179	M1O	04-024/10:32:36.8		NOTE: North Pole Crossing 9364		04-024/10:21:36.4
7180	M1O	04-024/10:33:54.1		NOTE: Enter Planetary Atmosphere 9364		04-024/10:22:53.7
7181	M1O	04-024/10:36:03.7		SPAWN, Engine = 65535, Parameters = 3, 00:11:58.862, 1	dpt	04-024/10:25:03.4
7182	M1O	04-024/10:36:05.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/10:25:05.5
7183	M1O	04-024/10:36:05.8	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7184	M1O	04-024/10:36:06.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/10:25:06.5
7185	M1O	04-024/10:37:05.8	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7186	M1O	04-024/10:37:35.8		NOTE: Enter Earth Occultation 9364		04-024/10:26:35.5
7187	M1O	04-024/10:37:35.8	45	NOTE: Loss Of X-Band Signal		
7188	M1O	04-024/10:43:04.6		NOTE: Exit Earth Occultation 9364		04-024/10:32:04.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7189	M1O	04-024/10:43:04.6	45	Acquisition Of X-Band Signal		
7190	M1O	04-024/10:43:04.6	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7191	M1O	04-024/10:46:47.9		NOTE: Exit Planetary Atmosphere 9364		04-024/10:35:47.4
7192	M1O	04-024/10:48:04.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/10:37:04.3
7193	M1O	04-024/10:48:04.7	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7194	M1O	04-024/10:48:05.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/10:37:05.3
7195	M1O	04-024/11:02:35.0		NOTE: Descending Node Crossing 9365		04-024/10:51:34.5
7196	M1O	04-024/11:31:09.7		NOTE: Periapsis 9365 ----------		04-024/11:20:09.1
7197	M1O	04-024/11:31:52.4		NOTE: South Pole Crossing 9365		04-024/11:20:51.9
7198	M1O	04-024/11:55:27.6		SPAWN, Engine = 65535, Parameters = 024, 02, FALSE, 00:16:56.868, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-024/11:44:27.0
7199	M1O	04-024/11:55:28.7		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	04-024/11:44:28.1
7200	M1O	04-024/11:55:30.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-024/11:44:30.1
7201	M1O	04-024/11:56:12.9		CALL, Engine = , Parameters = 56	get_apid	04-024/11:45:12.3
7202	M1O	04-024/11:56:14.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-024/11:45:13.4
7203	M1O	04-024/11:56:14.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-024/11:45:13.6
7204	M1O	04-024/11:56:15.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-024/11:45:14.7
7205	M1O	04-024/11:56:16.5		CALL, Engine = , Parameters = 56	get_coding	04-024/11:45:15.9
7206	M1O	04-024/11:56:17.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-024/11:45:17.1
7207	M1O	04-024/11:56:18.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-024/11:45:18.3
7208	M1O	04-024/11:57:23.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-024/11:46:23.1
7209	M1O	04-024/11:57:24.0	45	NOTE: Below Uplink Interlock Limit		
7210	M1O	04-024/11:57:24.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-024/11:46:24.1
7211	M1O	04-024/11:57:25.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-024/11:46:25.1
7212	M1O	04-024/11:57:26.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-024/11:46:26.1
7213	M1O	04-024/11:57:27.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-024/11:46:27.1
7214	M1O	04-024/11:57:28.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-024/11:46:28.1
7215	M1O	04-024/11:57:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-024/11:46:29.1
7216	M1O	04-024/11:59:41.3		NOTE: Enter Solar Eclipse 9365		04-024/11:48:40.7
7217	M1O	04-024/12:01:11.5		NOTE: Ascending Node Crossing 9365		04-024/11:50:10.9
7218	M1O	04-024/12:01:49.6		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-024/11:50:49.0
7219	M1O	04-024/12:02:05.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-022T11:50:49.100, 2004-024T11:50:49.100	PCKTS_RE_TX_TIME	04-024/11:51:04.8
7220	M1O	04-024/12:02:06.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-022T11:50:49.100, 2004-024T11:50:49.100	PCKTS_RE_TX_TIME	04-024/11:51:05.8
7221	M1O	04-024/12:02:07.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-022T11:50:49.100, 2004-024T11:50:49.100	PCKTS_RE_TX_TIME	04-024/11:51:06.8
7222	M1O	04-024/12:02:08.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-022T11:50:49.100, 2004-024T11:50:49.100	PCKTS_RE_TX_TIME	04-024/11:51:07.8
7223	M1O	04-024/12:02:09.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-022T11:50:49.100, 2004-024T11:50:49.100	PCKTS_RE_TX_TIME	04-024/11:51:08.8
7224	M1O	04-024/12:02:10.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-022T11:50:49.100, 2004-024T11:50:49.100	PCKTS_RE_TX_TIME	04-024/11:51:09.8
7225	M1O	04-024/12:02:10.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-024/11:51:09.8
7226	M1O	04-024/12:02:10.4	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7227	M1O	04-024/12:09:11.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/11:58:10.8
7228	M1O	04-024/12:09:11.4	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7229	M1O	04-024/12:09:12.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/11:58:11.8
7230	M1O	04-024/12:09:28.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-024/11:58:27.8
7231	M1O	04-024/12:09:28.4	45	D/L RF Warning: SC antenna change - expect signal level variation		
7232	M1O	04-024/12:09:29.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-024/11:58:28.8
7233	M1O	04-024/12:10:00.0	45	End Tracking		
7234	M1O	04-024/12:14:22.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-024/12:03:21.9
7235	M1O	04-024/12:14:23.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-024/12:03:23.0
7236	M1O	04-024/12:14:33.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-024/12:03:33.0
7237	M1O	04-024/12:14:34.7		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	04-024/12:03:34.0
7238	M1O	04-024/12:16:41.2		NOTE: Exit Solar Eclipse 9365		04-024/12:05:40.5
7239	M1O	04-024/12:19:35.0		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-024/12:08:34.3
7240	M1O	04-024/12:19:35.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/12:08:34.4
7241	M1O	04-024/12:19:36.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/12:08:35.4
7242	M1O	04-024/12:19:37.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-024/12:08:36.4
7243	M1O	04-024/12:19:38.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-024/12:08:37.4
7244	M1O	04-024/12:19:39.1		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-024/12:08:38.4
7245	M1O	04-024/12:19:49.1		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-024/12:08:48.4
7246	M1O	04-024/12:19:59.1		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-024/12:08:58.4
7247	M1O	04-024/12:20:00.0	55	Begin Tracking		
7248	M1O	04-024/12:20:00.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7249	M1O	04-024/12:20:00.0		NOTE: Changing to 34M (BWG) downlink rate: 28440_BPS		04-024/12:08:59.3
7250	M1O	04-024/12:20:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 28440_BPS	DOWNLINK_RATE	04-024/12:08:59.3
7251	M1O	04-024/12:20:00.0	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7252	M1O	04-024/12:24:59.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/12:13:58.4
7253	M1O	04-024/12:25:00.0	45	End Post-Cal		
7254	M1O	04-024/12:25:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/12:13:59.4
7255	M1O	04-024/12:25:00.1	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7256	M1O	04-024/12:25:01.1		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-024/12:14:00.4
7257	M1O	04-024/12:29:56.3		NOTE: Apoapsis 9365 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7271	M1O	04-024/12:46:53.3	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7272	M1O	04-024/12:46:54.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/12:35:53.5
7273	M1O	04-024/13:01:07.7		NOTE: Descending Node Crossing 9366		04-024/12:50:06.8
7274	M1O	04-024/13:29:42.5		NOTE: Periapsis 9366 ----------		04-024/13:18:41.5
7275	M1O	04-024/13:30:24.6		NOTE: South Pole Crossing 9366		04-024/13:19:23.6
7276	M1O	04-024/13:52:31.0		SPAWN, Engine = 65535, Parameters = 024, 03, FALSE, 00:17:28.755, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-024/13:41:30.0
7277	M1O	04-024/13:52:32.1		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	04-024/13:41:31.1
7278	M1O	04-024/13:52:34.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-024/13:41:33.1
7279	M1O	04-024/13:53:16.3		CALL, Engine = , Parameters = 56	get_apid	04-024/13:42:15.3
7280	M1O	04-024/13:53:17.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-024/13:42:16.4
7281	M1O	04-024/13:53:17.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-024/13:42:16.6
7282	M1O	04-024/13:53:18.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-024/13:42:17.7
7283	M1O	04-024/13:53:19.9		CALL, Engine = , Parameters = 56	get_coding	04-024/13:42:18.9
7284	M1O	04-024/13:53:21.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-024/13:42:20.1
7285	M1O	04-024/13:53:22.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-024/13:42:21.3
7286	M1O	04-024/13:54:27.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-024/13:43:26.1
7287	M1O	04-024/13:54:28.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-024/13:43:27.1
7288	M1O	04-024/13:54:29.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-024/13:43:28.1
7289	M1O	04-024/13:54:30.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-024/13:43:29.1
7290	M1O	04-024/13:54:31.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-024/13:43:30.1
7291	M1O	04-024/13:54:32.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-024/13:43:31.1
7292	M1O	04-024/13:54:33.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-024/13:43:32.1
7293	M1O	04-024/13:58:12.5		NOTE: Enter Solar Eclipse 9366		04-024/13:47:11.5
7294	M1O	04-024/13:59:43.3		NOTE: Ascending Node Crossing 9366		04-024/13:48:42.3
7295	M1O	04-024/14:11:57.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-024/14:00:56.8
7296	M1O	04-024/14:11:59.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-024/14:00:57.9
7297	M1O	04-024/14:12:09.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-024/14:01:07.9
7298	M1O	04-024/14:12:10.0		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	04-024/14:01:08.9
7299	M1O	04-024/14:15:14.1		NOTE: Exit Solar Eclipse 9366		04-024/14:04:13.1
7300	M1O	04-024/14:28:35.4		NOTE: Apoapsis 9366 -		04-024/14:17:34.3
7301	M1O	04-024/14:29:42.3		NOTE: North Pole Crossing 9366		04-024/14:18:41.1
7302	M1O	04-024/14:30:48.1		NOTE: Enter Planetary Atmosphere 9366		04-024/14:19:47.0
7303	M1O	04-024/14:33:17.0		SPAWN, Engine = 65535, Parameters = 3, 00:12:07.841, 1	dpt	04-024/14:22:15.9
7304	M1O	04-024/14:33:19.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/14:22:18.0
7305	M1O	04-024/14:33:19.1	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7306	M1O	04-024/14:33:20.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/14:22:19.0
7307	M1O	04-024/14:34:19.0		NOTE: Enter Earth Occultation 9366		04-024/14:23:17.9
7308	M1O	04-024/14:34:19.0	55	NOTE: Loss Of X-Band Signal		
7309	M1O	04-024/14:40:26.9		NOTE: Exit Earth Occultation 9366		04-024/14:29:25.8
7310	M1O	04-024/14:40:26.9	55	Acquisition Of X-Band Signal		
7311	M1O	04-024/14:40:26.9	55	Acquire D/L: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7312	M1O	04-024/14:43:59.3		NOTE: Exit Planetary Atmosphere 9366		04-024/14:32:58.1
7313	M1O	04-024/14:45:27.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/14:34:25.9
7314	M1O	04-024/14:45:27.0	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7315	M1O	04-024/14:45:28.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/14:34:26.9
7316	M1O	04-024/14:59:39.2		NOTE: Descending Node Crossing 9367		04-024/14:48:37.9
7317	M1O	04-024/15:28:02.2		NOTE: Periapsis 9367 ----------		04-024/15:17:00.9
7318	M1O	04-024/15:28:55.2		NOTE: South Pole Crossing 9367		04-024/15:17:53.9
7319	M1O	04-024/15:56:44.2		NOTE: Enter Solar Eclipse 9367		04-024/15:45:42.8
7320	M1O	04-024/15:58:13.7		NOTE: Ascending Node Crossing 9367		04-024/15:47:12.3
7321	M1O	04-024/16:13:39.0		NOTE: Exit Solar Eclipse 9367		04-024/16:02:37.6
7322	M1O	04-024/16:26:55.3		NOTE: Apoapsis 9367 -		04-024/16:15:53.8
7323	M1O	04-024/16:28:13.9		NOTE: North Pole Crossing 9367		04-024/16:17:12.4
7324	M1O	04-024/16:29:30.1		NOTE: Enter Planetary Atmosphere 9367		04-024/16:18:28.6
7325	M1O	04-024/16:32:10.7		SPAWN, Engine = 65535, Parameters = 3, 00:11:26.156, 1	dpt	04-024/16:21:09.2
7326	M1O	04-024/16:32:12.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/16:21:11.3
7327	M1O	04-024/16:32:12.8	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7328	M1O	04-024/16:32:13.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/16:21:12.3
7329	M1O	04-024/16:33:12.8		NOTE: Enter Earth Occultation 9367		04-024/16:22:11.2
7330	M1O	04-024/16:33:12.8	55	NOTE: Loss Of X-Band Signal		
7331	M1O	04-024/16:38:38.9		NOTE: Exit Earth Occultation 9367		04-024/16:27:37.4
7332	M1O	04-024/16:38:38.9	55	Acquisition Of X-Band Signal		
7333	M1O	04-024/16:38:38.9	55	Acquire D/L: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7334	M1O	04-024/16:42:23.1		NOTE: Exit Planetary Atmosphere 9367		04-024/16:31:21.6
7335	M1O	04-024/16:43:39.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/16:32:37.5
7336	M1O	04-024/16:43:39.0	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7337	M1O	04-024/16:43:40.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/16:32:38.5
7338	M1O	04-024/16:58:11.7		NOTE: Descending Node Crossing 9368		04-024/16:47:10.2
7339	M1O	04-024/17:26:21.2		NOTE: Periapsis 9368 ----------		04-024/17:15:19.5
7340	M1O	04-024/17:27:28.6		NOTE: South Pole Crossing 9368		04-024/17:16:26.9
7341	M1O	04-024/17:55:21.6		NOTE: Enter Solar Eclipse 9368		04-024/17:44:19.8
7342	M1O	04-024/17:56:48.2		NOTE: Ascending Node Crossing 9368		04-024/17:45:46.5
7343	M1O	04-024/18:12:07.8		NOTE: Exit Solar Eclipse 9368		04-024/18:01:06.0
7344	M1O	04-024/18:25:22.1		NOTE: Apoapsis 9368 -		04-024/18:14:20.2
7345	M1O	04-024/18:26:48.9		NOTE: North Pole Crossing 9368		04-024/18:15:47.0
7346	M1O	04-024/18:28:14.6		NOTE: Enter Planetary Atmosphere 9368		04-024/18:17:12.7
7347	M1O	04-024/18:31:08.4		SPAWN, Engine = 65535, Parameters = 3, 00:10:42.626, 1	dpt	04-024/18:20:06.5
7348	M1O	04-024/18:31:10.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/18:20:08.6
7349	M1O	04-024/18:31:10.5	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7350	M1O	04-024/18:31:11.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/18:20:09.6
7351	M1O	04-024/18:32:10.4		NOTE: Enter Earth Occultation 9368		04-024/18:21:08.5
7352	M1O	04-024/18:32:10.4	55	NOTE: Loss Of X-Band Signal		
7353	M1O	04-024/18:36:53.0		NOTE: Exit Earth Occultation 9368		04-024/18:25:51.1
7354	M1O	04-024/18:36:53.0	55	Acquisition Of X-Band Signal		
7355	M1O	04-024/18:36:53.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7356	M1O	04-024/18:40:50.4		NOTE: Exit Planetary Atmosphere 9368		04-024/18:29:48.5
7357	M1O	04-024/18:41:53.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/18:30:51.2
7358	M1O	04-024/18:41:53.1	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7359	M1O	04-024/18:41:54.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/18:30:52.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7360	M1O	04-024/18:50:42.9		SPAWN, Engine = 65535, Parameters = 024, 03, TRUE, 00:18:18, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-024/18:39:41.0
7361	M1O	04-024/18:50:43.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/18:39:41.5
7362	M1O	04-024/18:50:43.4	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7363	M1O	04-024/18:50:44.0		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	04-024/18:39:42.1
7364	M1O	04-024/18:50:46.0		CALL, Engine = , Parameters = 254	get_cmd_opt	04-024/18:39:44.1
7365	M1O	04-024/18:50:46.3		CALL, Engine = , Parameters = 024, 03, 254	bld_autosw	04-024/18:39:44.4
7366	M1O	04-024/18:50:47.4		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-024/18:39:45.5
7367	M1O	04-024/18:50:48.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:39:46.6
7368	M1O	04-024/18:50:49.5		Deletes the designated file.: d:/dat/254_doy024_pass03_file01.dat	FILE_DELETE	04-024/18:39:47.6
7369	M1O	04-024/18:50:50.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:39:48.7
7370	M1O	04-024/18:50:51.6		Deletes the designated file.: d:/dat/254_doy024_pass03_file02.dat	FILE_DELETE	04-024/18:39:49.7
7371	M1O	04-024/18:50:52.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:39:50.8
7372	M1O	04-024/18:50:53.7		Deletes the designated file.: d:/dat/254_doy024_pass03_file03.dat	FILE_DELETE	04-024/18:39:51.8
7373	M1O	04-024/18:50:54.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:39:52.9
7374	M1O	04-024/18:50:55.8		Deletes the designated file.: d:/dat/254_doy024_pass03_file04.dat	FILE_DELETE	04-024/18:39:53.9
7375	M1O	04-024/18:50:56.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:39:55.0
7376	M1O	04-024/18:50:57.9		Deletes the designated file.: d:/dat/254_doy024_pass03_file05.dat	FILE_DELETE	04-024/18:39:56.0
7377	M1O	04-024/18:50:59.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:39:57.1
7378	M1O	04-024/18:51:00.0		Deletes the designated file.: d:/dat/254_doy024_pass03_file06.dat	FILE_DELETE	04-024/18:39:58.1
7379	M1O	04-024/18:51:01.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:39:59.2
7380	M1O	04-024/18:51:02.1		Deletes the designated file.: d:/dat/254_doy024_pass03_file07.dat	FILE_DELETE	04-024/18:40:00.2
7381	M1O	04-024/18:51:03.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:40:01.3
7382	M1O	04-024/18:51:04.2		Deletes the designated file.: d:/dat/254_doy024_pass03_file08.dat	FILE_DELETE	04-024/18:40:02.3
7383	M1O	04-024/18:51:05.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:40:03.4
7384	M1O	04-024/18:51:06.3		Deletes the designated file.: d:/dat/254_doy024_pass03_file09.dat	FILE_DELETE	04-024/18:40:04.4
7385	M1O	04-024/18:51:07.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:40:05.5
7386	M1O	04-024/18:51:08.4		Deletes the designated file.: d:/dat/254_doy024_pass03_file10.dat	FILE_DELETE	04-024/18:40:06.5
7387	M1O	04-024/18:51:09.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:40:07.6
7388	M1O	04-024/18:51:10.5		Deletes the designated file.: d:/dat/254_doy024_pass03_file11.dat	FILE_DELETE	04-024/18:40:08.6
7389	M1O	04-024/18:51:11.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:40:09.7
7390	M1O	04-024/18:51:12.6		Deletes the designated file.: d:/dat/254_doy024_pass03_file12.dat	FILE_DELETE	04-024/18:40:10.7
7391	M1O	04-024/18:51:13.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:40:11.8
7392	M1O	04-024/18:51:14.7		Deletes the designated file.: d:/dat/254_doy024_pass03_file13.dat	FILE_DELETE	04-024/18:40:12.8
7393	M1O	04-024/18:51:15.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:40:13.9
7394	M1O	04-024/18:51:16.8		Deletes the designated file.: d:/dat/254_doy024_pass03_file14.dat	FILE_DELETE	04-024/18:40:14.9
7395	M1O	04-024/18:51:17.9		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-024/18:40:16.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy024_pass03_file15.dat, d:/dat/autoswitch.dat		
7396	M1O	04-024/18:51:18.9		Deletes the designated file.: d:/dat/254_doy024_pass03_file15.dat	FILE_DELETE	04-024/18:40:17.0
7397	M1O	04-024/18:51:20.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:40:18.1
7398	M1O	04-024/18:51:21.0		Deletes the designated file.: d:/dat/254_doy024_pass03_file16.dat	FILE_DELETE	04-024/18:40:19.1
7399	M1O	04-024/18:51:22.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:40:20.2
7400	M1O	04-024/18:51:23.1		Deletes the designated file.: d:/dat/254_doy024_pass03_file17.dat	FILE_DELETE	04-024/18:40:21.2
7401	M1O	04-024/18:51:24.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:40:22.3
7402	M1O	04-024/18:51:25.2		Deletes the designated file.: d:/dat/254_doy024_pass03_file18.dat	FILE_DELETE	04-024/18:40:23.3
7403	M1O	04-024/18:51:26.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy024_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-024/18:40:24.4
7404	M1O	04-024/18:51:27.3		Deletes the designated file.: d:/dat/254_doy024_pass03_file19.dat	FILE_DELETE	04-024/18:40:25.4
7405	M1O	04-024/18:51:28.3		CALL, Engine = , Parameters = 254	get_apid	04-024/18:40:26.4
7406	M1O	04-024/18:51:29.4		CALL, Engine = , Parameters = 254	get_rcv_mode	04-024/18:40:27.5
7407	M1O	04-024/18:51:29.6		CALL, Engine = , Parameters = 254	get_dl_rate	04-024/18:40:27.7
7408	M1O	04-024/18:51:30.7		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-024/18:40:28.8
7409	M1O	04-024/18:51:32.0		CALL, Engine = , Parameters = 254	get_coding	04-024/18:40:30.1
7410	M1O	04-024/18:51:33.2		CALL, Engine = , Parameters = 254	get_xmt_mode	04-024/18:40:31.3
7411	M1O	04-024/18:51:34.4		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-024/18:40:32.5
7412	M1O	04-024/18:52:39.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-024/18:41:37.3
7413	M1O	04-024/18:52:40.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-024/18:41:38.3
7414	M1O	04-024/18:52:41.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-024/18:41:39.3
7415	M1O	04-024/18:52:42.2		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-024/18:41:40.3
7416	M1O	04-024/18:52:43.2		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-024/18:41:41.3
7417	M1O	04-024/18:52:44.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-024/18:41:42.3
7418	M1O	04-024/18:52:45.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-024/18:41:43.3
7419	M1O	04-024/18:54:35.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/18:43:33.3
7420	M1O	04-024/18:54:45.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-024/18:43:43.3
7421	M1O	04-024/18:56:47.0		NOTE: Descending Node Crossing 9369		04-024/18:45:45.0
7422	M1O	04-024/19:11:01.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-024/18:59:59.3
7423	M1O	04-024/19:11:02.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-024/19:00:00.4
7424	M1O	04-024/19:11:12.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-024/19:00:10.4
7425	M1O	04-024/19:11:13.4		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	04-024/19:00:11.4
7426	M1O	04-024/19:11:14.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-024/19:00:12.4
7427	M1O	04-024/19:11:14.4	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7428	M1O	04-024/19:11:15.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-024/19:00:13.4
7429	M1O	04-024/19:16:14.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/19:05:12.0
7430	M1O	04-024/19:16:14.0	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7431	M1O	04-024/19:25:13.3		NOTE: Periapsis 9369 ----------		04-024/19:14:11.2
7432	M1O	04-024/19:26:05.2		NOTE: South Pole Crossing 9369		04-024/19:15:03.1
7433	M1O	04-024/19:53:58.6		NOTE: Enter Solar Eclipse 9369		04-024/19:42:56.5
7434	M1O	04-024/19:55:25.5		NOTE: Ascending Node Crossing 9369		04-024/19:44:23.4
7435	M1O	04-024/20:10:43.8		NOTE: Exit Solar Eclipse 9369		04-024/19:59:41.6
7436	M1O	04-024/20:24:21.9		NOTE: Apoapsis 9369 -		04-024/20:13:19.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7437	M1O	04-024/20:25:25.6		NOTE: North Pole Crossing 9369		04-024/20:14:23.3
7438	M1O	04-024/20:26:53.7		NOTE: Enter Planetary Atmosphere 9369		04-024/20:15:51.5
7439	M1O	04-024/20:29:53.3		SPAWN, Engine = 65535, Parameters = 3, 00:10:24.766, 1	dpt	04-024/20:18:51.1
7440	M1O	04-024/20:29:55.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/20:18:53.2
7441	M1O	04-024/20:29:55.4	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7442	M1O	04-024/20:29:56.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/20:18:54.2
7443	M1O	04-024/20:30:55.3		NOTE: Enter Earth Occultation 9369		04-024/20:19:53.1
7444	M1O	04-024/20:30:55.3	55	NOTE: Loss Of X-Band Signal		
7445	M1O	04-024/20:35:20.1		NOTE: Exit Earth Occultation 9369		04-024/20:24:17.8
7446	M1O	04-024/20:35:20.1	55	Acquisition Of X-Band Signal		
7447	M1O	04-024/20:35:20.1	55	Acquire D/L: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7448	M1O	04-024/20:39:23.1		NOTE: Exit Planetary Atmosphere 9369		04-024/20:28:20.8
7449	M1O	04-024/20:40:20.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/20:29:17.9
7450	M1O	04-024/20:40:20.2	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7451	M1O	04-024/20:40:21.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/20:29:18.9
7452	M1O	04-024/20:50:21.3		SPAWN, Engine = 65535, Parameters = 024, 04, FALSE, 00:14:20.202, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-024/20:39:19.0
7453	M1O	04-024/20:50:22.4		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	04-024/20:39:20.1
7454	M1O	04-024/20:50:24.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-024/20:39:22.1
7455	M1O	04-024/20:51:06.6		CALL, Engine = , Parameters = 254	get_apid	04-024/20:40:04.3
7456	M1O	04-024/20:51:07.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-024/20:40:05.4
7457	M1O	04-024/20:51:07.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-024/20:40:05.6
7458	M1O	04-024/20:51:09.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-024/20:40:06.7
7459	M1O	04-024/20:51:10.3		CALL, Engine = , Parameters = 254	get_coding	04-024/20:40:08.0
7460	M1O	04-024/20:51:11.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-024/20:40:09.2
7461	M1O	04-024/20:51:12.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-024/20:40:10.4
7462	M1O	04-024/20:52:17.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-024/20:41:15.2
7463	M1O	04-024/20:52:18.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-024/20:41:16.2
7464	M1O	04-024/20:52:19.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-024/20:41:17.2
7465	M1O	04-024/20:52:20.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-024/20:41:18.2
7466	M1O	04-024/20:52:21.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-024/20:41:19.2
7467	M1O	04-024/20:52:22.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-024/20:41:20.2
7468	M1O	04-024/20:52:23.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-024/20:41:21.2
7469	M1O	04-024/20:55:23.7		NOTE: Descending Node Crossing 9370		04-024/20:44:21.4
7470	M1O	04-024/21:06:39.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-024/20:55:37.4
7471	M1O	04-024/21:06:40.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-024/20:55:38.5
7472	M1O	04-024/21:06:50.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-024/20:55:48.5
7473	M1O	04-024/21:06:51.8		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	04-024/20:55:49.5
7474	M1O	04-024/21:24:14.1		NOTE: Periapsis 9370 ----------		04-024/21:13:11.6
7475	M1O	04-024/21:24:42.3		NOTE: South Pole Crossing 9370		04-024/21:13:39.9
7476	M1O	04-024/21:52:33.2		NOTE: Enter Solar Eclipse 9370		04-024/21:41:30.7
7477	M1O	04-024/21:54:02.3		NOTE: Ascending Node Crossing 9370		04-024/21:42:59.8
7478	M1O	04-024/22:09:21.5		NOTE: Exit Solar Eclipse 9370		04-024/21:58:18.9
7479	M1O	04-024/22:23:23.4		NOTE: Apoapsis 9370 -		04-024/22:12:20.8
7480	M1O	04-024/22:24:02.1		NOTE: North Pole Crossing 9370		04-024/22:12:59.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7481	M1O	04-024/22:25:29.5		NOTE: Enter Planetary Atmosphere 9370		04-024/22:14:26.8
7482	M1O	04-024/22:28:29.3		SPAWN, Engine = 65535, Parameters = 3, 00:10:24.149, 1	dpt	04-024/22:17:26.6
7483	M1O	04-024/22:28:31.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/22:17:28.7
7484	M1O	04-024/22:28:31.4	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7485	M1O	04-024/22:28:32.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/22:17:29.7
7486	M1O	04-024/22:29:31.3		NOTE: Enter Earth Occultation 9370		04-024/22:18:28.6
7487	M1O	04-024/22:29:31.3	55	NOTE: Loss Of X-Band Signal		
7488	M1O	04-024/22:33:55.5		NOTE: Exit Earth Occultation 9370		04-024/22:22:52.8
7489	M1O	04-024/22:33:55.5	55	Acquisition Of X-Band Signal		
7490	M1O	04-024/22:33:55.5	55	Acquire D/L: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7491	M1O	04-024/22:37:58.7		NOTE: Exit Planetary Atmosphere 9370		04-024/22:26:56.0
7492	M1O	04-024/22:38:55.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-024/22:27:52.9
7493	M1O	04-024/22:38:55.6	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7494	M1O	04-024/22:38:56.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-024/22:27:53.9
7495	M1O	04-024/22:54:00.5		NOTE: Descending Node Crossing 9371		04-024/22:42:57.8
7496	M1O	04-024/23:01:50.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-024/22:50:48.0
7497	M1O	04-024/23:02:06.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-022T22:50:48.100, 2004-024T22:50:48.100	PCKTS_RE_TX_TIME	04-024/22:51:03.8
7498	M1O	04-024/23:02:07.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-022T22:50:48.100, 2004-024T22:50:48.100	PCKTS_RE_TX_TIME	04-024/22:51:04.8
7499	M1O	04-024/23:02:08.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-022T22:50:48.100, 2004-024T22:50:48.100	PCKTS_RE_TX_TIME	04-024/22:51:05.8
7500	M1O	04-024/23:02:09.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-022T22:50:48.100, 2004-024T22:50:48.100	PCKTS_RE_TX_TIME	04-024/22:51:06.8
7501	M1O	04-024/23:02:10.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-022T22:50:48.100, 2004-024T22:50:48.100	PCKTS_RE_TX_TIME	04-024/22:51:07.8
7502	M1O	04-024/23:02:11.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-022T22:50:48.100, 2004-024T22:50:48.100	PCKTS_RE_TX_TIME	04-024/22:51:08.8
7503	M1O	04-024/23:02:11.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-024/22:51:08.8
7504	M1O	04-024/23:02:11.5	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7505	M1O	04-024/23:09:12.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-024/22:58:09.8
7506	M1O	04-024/23:09:12.5	55	D/L Change: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7507	M1O	04-024/23:09:13.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-024/22:58:10.8
7508	M1O	04-024/23:09:29.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-024/22:58:26.8
7509	M1O	04-024/23:09:29.5	55	D/L RF Warning: SC antenna change - expect signal level variation		
7510	M1O	04-024/23:09:30.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-024/22:58:27.8
7511	M1O	04-024/23:10:00.0	55	End Tracking		
7512	M1O	04-024/23:23:02.0		NOTE: Periapsis 9371 ----------		04-024/23:11:59.2
7513	M1O	04-024/23:23:18.3		NOTE: South Pole Crossing 9371		04-024/23:12:15.5
7514	M1O	04-024/23:25:00.0	55	End Post-Cal		
7515	M1O	04-024/23:51:05.3		NOTE: Enter Solar Eclipse 9371		04-024/23:40:02.4
7516	M1O	04-024/23:52:37.1		NOTE: Ascending Node Crossing 9371		04-024/23:41:34.2
7517	M1O	04-025/00:00:00.0		Light Time: OWLT = 11:02, RTLT = 22:05		
7518	M1O	04-025/00:07:58.7		NOTE: Exit Solar Eclipse 9371		04-024/23:56:55.8
7519	M1O	04-025/00:21:57.9		NOTE: Apoapsis 9371 -		04-025/00:10:54.8
7520	M1O	04-025/00:22:36.7		NOTE: North Pole Crossing 9371		04-025/00:11:33.7
7521	M1O	04-025/00:23:58.8		NOTE: Enter Planetary Atmosphere 9371		04-025/00:12:55.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7522	M1O	04-025/00:27:53.0		NOTE: Enter Earth Occultation 9371		04-025/00:16:50.0
7523	M1O	04-025/00:32:41.1		NOTE: Exit Earth Occultation 9371		04-025/00:21:38.1
7524	M1O	04-025/00:36:36.9		NOTE: Exit Planetary Atmosphere 9371		04-025/00:25:33.8
7525	M1O	04-025/00:37:45.0		SPAWN, Engine = 65535, Parameters = 025, 01, FALSE, 00:18:21.869, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-025/00:26:42.0
7526	M1O	04-025/00:37:46.1		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	04-025/00:26:43.1
7527	M1O	04-025/00:37:48.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-025/00:26:45.1
7528	M1O	04-025/00:38:30.3		CALL, Engine = , Parameters = 56	get_apid	04-025/00:27:27.3
7529	M1O	04-025/00:38:31.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-025/00:27:28.4
7530	M1O	04-025/00:38:31.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-025/00:27:28.6
7531	M1O	04-025/00:38:32.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-025/00:27:29.7
7532	M1O	04-025/00:38:33.9		CALL, Engine = , Parameters = 56	get_coding	04-025/00:27:30.9
7533	M1O	04-025/00:38:35.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-025/00:27:32.1
7534	M1O	04-025/00:38:36.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-025/00:27:33.3
7535	M1O	04-025/00:39:41.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-025/00:28:38.1
7536	M1O	04-025/00:39:42.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-025/00:28:39.1
7537	M1O	04-025/00:39:43.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-025/00:28:40.1
7538	M1O	04-025/00:39:44.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-025/00:28:41.1
7539	M1O	04-025/00:39:45.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-025/00:28:42.1
7540	M1O	04-025/00:39:46.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-025/00:28:43.1
7541	M1O	04-025/00:39:47.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-025/00:28:44.1
7542	M1O	04-025/00:52:34.8		NOTE: Descending Node Crossing 9372		04-025/00:41:31.7
7543	M1O	04-025/00:58:05.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-025/00:47:01.9
7544	M1O	04-025/00:58:06.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-025/00:47:03.0
7545	M1O	04-025/00:58:16.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-025/00:47:13.0
7546	M1O	04-025/00:58:17.1		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	04-025/00:47:14.0
7547	M1O	04-025/01:21:21.8		NOTE: Periapsis 9372 ----------		04-025/01:10:18.6
7548	M1O	04-025/01:21:51.5		NOTE: South Pole Crossing 9372		04-025/01:10:48.3
7549	M1O	04-025/01:49:37.2		NOTE: Enter Solar Eclipse 9372		04-025/01:38:33.9
7550	M1O	04-025/01:51:09.5		NOTE: Ascending Node Crossing 9372		04-025/01:40:06.2
7551	M1O	04-025/02:06:32.9		NOTE: Exit Solar Eclipse 9372		04-025/01:55:29.6
7552	M1O	04-025/02:20:07.7		NOTE: Apoapsis 9372 -		04-025/02:09:04.3
7553	M1O	04-025/02:21:08.7		NOTE: North Pole Crossing 9372		04-025/02:10:05.3
7554	M1O	04-025/02:22:24.7		NOTE: Enter Planetary Atmosphere 9372		04-025/02:11:21.3
7555	M1O	04-025/02:26:11.2		NOTE: Enter Earth Occultation 9372		04-025/02:15:07.8
7556	M1O	04-025/02:31:25.1		NOTE: Exit Earth Occultation 9372		04-025/02:20:21.6
7557	M1O	04-025/02:35:13.1		NOTE: Exit Planetary Atmosphere 9372		04-025/02:24:09.7
7558	M1O	04-025/02:36:25.4		SPAWN, Engine = 65535, Parameters = 025, 02, FALSE, 00:15:24.635, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-025/02:25:22.0
7559	M1O	04-025/02:36:26.5		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	04-025/02:25:23.1
7560	M1O	04-025/02:36:28.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-025/02:25:25.1
7561	M1O	04-025/02:37:10.7		CALL, Engine = , Parameters = 56	get_apid	04-025/02:26:07.3
7562	M1O	04-025/02:37:11.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-025/02:26:08.4
7563	M1O	04-025/02:37:12.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-025/02:26:08.6
7564	M1O	04-025/02:37:13.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-025/02:26:09.7
7565	M1O	04-025/02:37:14.3		CALL, Engine = , Parameters = 56	get_coding	04-025/02:26:10.9
7566	M1O	04-025/02:37:15.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-025/02:26:12.1
7567	M1O	04-025/02:37:16.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-025/02:26:13.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7568	M1O	04-025/02:38:21.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-025/02:27:18.1
7569	M1O	04-025/02:38:22.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-025/02:27:19.1
7570	M1O	04-025/02:38:23.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-025/02:27:20.1
7571	M1O	04-025/02:38:24.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-025/02:27:21.1
7572	M1O	04-025/02:38:25.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-025/02:27:22.1
7573	M1O	04-025/02:38:26.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-025/02:27:23.1
7574	M1O	04-025/02:38:27.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-025/02:27:24.1
7575	M1O	04-025/02:51:05.9		NOTE: Descending Node Crossing 9373		04-025/02:40:02.4
7576	M1O	04-025/02:53:48.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-025/02:42:44.7
7577	M1O	04-025/02:53:49.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-025/02:42:45.8
7578	M1O	04-025/02:53:59.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-025/02:42:55.8
7579	M1O	04-025/02:54:00.3		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	04-025/02:42:56.8
7580	M1O	04-025/03:04:06.5		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-025/02:53:03.0
7581	M1O	04-025/03:04:06.6		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-025/02:53:03.1
7582	M1O	04-025/03:04:07.6		Forces a desaturation of the reaction wheels.	RW_DESAT	04-025/02:53:04.1
7583	M1O	04-025/03:15:37.6		CALL, Engine = , Parameters = FALSE	park_hga	04-025/03:04:34.1
7584	M1O	04-025/03:15:37.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/03:04:34.1
7585	M1O	04-025/03:15:38.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-025/03:04:35.1
7586	M1O	04-025/03:15:39.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-025/03:04:36.1
7587	M1O	04-025/03:15:39.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-025/03:04:36.1
7588	M1O	04-025/03:15:39.6		NOTE: START HGA PARK		
7589	M1O	04-025/03:15:40.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-025/03:04:37.1
7590	M1O	04-025/03:15:41.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-025/03:04:38.1
7591	M1O	04-025/03:19:34.5		NOTE: Periapsis 9373 ----------		04-025/03:08:31.0
7592	M1O	04-025/03:20:11.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-025/03:09:08.1
7593	M1O	04-025/03:20:22.4		NOTE: South Pole Crossing 9373		04-025/03:09:18.9
7594	M1O	04-025/03:23:41.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-025/03:12:38.1
7595	M1O	04-025/03:23:41.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-025/03:12:38.1
7596	M1O	04-025/03:48:10.4		NOTE: Enter Solar Eclipse 9373		04-025/03:37:06.7
7597	M1O	04-025/03:49:41.1		NOTE: Ascending Node Crossing 9373		04-025/03:38:37.5
7598	M1O	04-025/03:53:41.6		GV: GV_DESAT_ACTIVE = 1		04-025/03:42:38.0
7599	M1O	04-025/03:53:42.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-025/03:42:39.0
7600	M1O	04-025/03:53:42.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-025/03:42:39.0
7601	M1O	04-025/04:03:41.7		GV: GV_DESAT_ACTIVE = 0		04-025/03:52:38.0
7602	M1O	04-025/04:03:42.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-025/03:52:39.0
7603	M1O	04-025/04:03:43.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-025/03:52:40.0
7604	M1O	04-025/04:03:44.7		CALL, Engine = , Parameters =	unpark_hga	04-025/03:52:41.0
7605	M1O	04-025/04:03:44.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-025/03:52:41.0
7606	M1O	04-025/04:03:45.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-025/03:52:42.0
7607	M1O	04-025/04:05:02.5		NOTE: Exit Solar Eclipse 9373		04-025/03:53:58.8
7608	M1O	04-025/04:08:15.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-025/03:57:12.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7609	M1O	04-025/04:08:16.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-025/03:57:13.0
7610	M1O	04-025/04:12:16.7		NOTE: EXIT HGA PARK		
7611	M1O	04-025/04:18:40.4		NOTE: Apoapsis 9373 -		04-025/04:07:36.6
7612	M1O	04-025/04:19:40.1		NOTE: North Pole Crossing 9373		04-025/04:08:36.3
7613	M1O	04-025/04:21:00.1		NOTE: Enter Planetary Atmosphere 9373		04-025/04:09:56.3
7614	M1O	04-025/04:24:53.6		NOTE: Enter Earth Occultation 9373		04-025/04:13:49.8
7615	M1O	04-025/04:29:44.8		NOTE: Exit Earth Occultation 9373		04-025/04:18:41.0
7616	M1O	04-025/04:33:39.8		NOTE: Exit Planetary Atmosphere 9373		04-025/04:22:36.0
7617	M1O	04-025/04:49:37.1		NOTE: Descending Node Crossing 9374		04-025/04:38:33.2
7618	M1O	04-025/05:18:05.6		NOTE: Periapsis 9374 ----------		04-025/05:07:01.6
7619	M1O	04-025/05:18:54.5		NOTE: South Pole Crossing 9374		04-025/05:07:50.5
7620	M1O	04-025/05:46:44.6		NOTE: Enter Solar Eclipse 9374		04-025/05:35:40.5
7621	M1O	04-025/05:48:14.2		NOTE: Ascending Node Crossing 9374		04-025/05:37:10.2
7622	M1O	04-025/06:03:29.4		NOTE: Exit Solar Eclipse 9374		04-025/05:52:25.3
7623	M1O	04-025/06:17:24.4		NOTE: Apoapsis 9374 -		04-025/06:06:20.3
7624	M1O	04-025/06:18:14.5		NOTE: North Pole Crossing 9374		04-025/06:07:10.4
7625	M1O	04-025/06:19:49.0		NOTE: Enter Planetary Atmosphere 9374		04-025/06:08:44.9
7626	M1O	04-025/06:24:08.9		NOTE: Enter Earth Occultation 9374		04-025/06:13:04.7
7627	M1O	04-025/06:27:41.0		NOTE: Exit Earth Occultation 9374		04-025/06:16:36.8
7628	M1O	04-025/06:32:02.3		NOTE: Exit Planetary Atmosphere 9374		04-025/06:20:58.2
7629	M1O	04-025/06:40:15.2		SPAWN, Engine = 65535, Parameters = 025, 01, FALSE, 00:14:34.260, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-025/06:29:11.0
7630	M1O	04-025/06:40:16.3		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	04-025/06:29:12.1
7631	M1O	04-025/06:40:18.3		CALL, Engine = , Parameters = 253	get_cmd_opt	04-025/06:29:14.1
7632	M1O	04-025/06:41:00.5		CALL, Engine = , Parameters = 253	get_apid	04-025/06:29:56.3
7633	M1O	04-025/06:41:01.6		CALL, Engine = , Parameters = 253	get_rcv_mode	04-025/06:29:57.4
7634	M1O	04-025/06:41:01.8		CALL, Engine = , Parameters = 253	get_dl_rate	04-025/06:29:57.6
7635	M1O	04-025/06:41:02.9		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-025/06:29:58.7
7636	M1O	04-025/06:41:04.2		CALL, Engine = , Parameters = 253	get_coding	04-025/06:30:00.0
7637	M1O	04-025/06:41:05.4		CALL, Engine = , Parameters = 253	get_xmt_mode	04-025/06:30:01.2
7638	M1O	04-025/06:41:06.6		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-025/06:30:02.4
7639	M1O	04-025/06:42:11.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-025/06:31:07.2
7640	M1O	04-025/06:42:12.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-025/06:31:08.2
7641	M1O	04-025/06:42:13.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-025/06:31:09.2
7642	M1O	04-025/06:42:14.4		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-025/06:31:10.2
7643	M1O	04-025/06:42:15.4		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-025/06:31:11.2
7644	M1O	04-025/06:42:16.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-025/06:31:12.2
7645	M1O	04-025/06:42:17.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-025/06:31:13.2
7646	M1O	04-025/06:48:12.9		NOTE: Descending Node Crossing 9375		04-025/06:37:08.7
7647	M1O	04-025/06:56:47.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-025/06:45:43.4
7648	M1O	04-025/06:56:48.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-025/06:45:44.5
7649	M1O	04-025/06:56:58.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-025/06:45:54.5
7650	M1O	04-025/06:56:59.8		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	04-025/06:45:55.5
7651	M1O	04-025/07:00:00.0	43	Begin Pre-Cal		
7652	M1O	04-025/07:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7653	M1O	04-025/07:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7654	M1O	04-025/07:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7655	M1O	04-025/07:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7656	M1O	04-025/07:00:00.0	43	At BOT: S/C Tlm Mode: BR=28440.0, FL=10112, SC=375KHZ, MI=71.7		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7657	M1O	04-025/07:00:00.0	43	Config: RCV: Parms:		
7658	M1O	04-025/07:00:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
7659	M1O	04-025/07:00:00.0	43	Config: TGC: BAND=X, SR=56880.000000		
7660	M1O	04-025/07:00:00.0	43	Config: TXL		
7661	M1O	04-025/07:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
7662	M1O	04-025/07:00:00.0	43	Config: CMD		
7663	M1O	04-025/07:00:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
7664	M1O	04-025/07:11:04.3		SPAWN, Engine = 65535, Parameters =	scdiag	04-025/07:00:00.0
7665	M1O	04-025/07:11:05.4		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-025/07:00:01.1
7666	M1O	04-025/07:11:06.4		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-025/07:00:02.1
7667	M1O	04-025/07:12:07.3		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-025/07:01:03.0
7668	M1O	04-025/07:12:07.5		NOTE: Start Block fsw_diag		04-025/07:01:03.2
7669	M1O	04-025/07:12:08.5		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-025/07:01:04.2
7670	M1O	04-025/07:12:09.5		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	04-025/07:01:05.2
7671	M1O	04-025/07:12:20.5		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	04-025/07:01:16.2
7672	M1O	04-025/07:12:50.5		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-025/07:01:46.2
7673	M1O	04-025/07:13:10.5		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-025/07:02:06.2
7674	M1O	04-025/07:13:20.5		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-025/07:02:16.2
7675	M1O	04-025/07:13:40.5		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-025/07:02:36.2
7676	M1O	04-025/07:13:50.5		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-025/07:02:46.2
7677	M1O	04-025/07:13:55.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-025/07:02:51.2
7678	M1O	04-025/07:14:00.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-025/07:02:56.2
7679	M1O	04-025/07:14:05.5		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-025/07:03:01.2
7680	M1O	04-025/07:14:10.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-025/07:03:06.2
7681	M1O	04-025/07:14:15.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-025/07:03:11.2
7682	M1O	04-025/07:14:55.5		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-025/07:03:51.2
7683	M1O	04-025/07:15:00.5		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-025/07:03:56.2
7684	M1O	04-025/07:15:05.5		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-025/07:04:01.2
7685	M1O	04-025/07:15:10.5		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-025/07:04:06.2
7686	M1O	04-025/07:15:15.5		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-025/07:04:11.2
7687	M1O	04-025/07:15:16.5		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-025/07:04:12.2
7688	M1O	04-025/07:15:17.5		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-025/07:04:13.2
7689	M1O	04-025/07:15:18.5		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-025/07:04:14.2
7690	M1O	04-025/07:15:29.5		NOTE: End Block fsw_diag.mod		04-025/07:04:25.2
7691	M1O	04-025/07:16:49.8		NOTE: Periapsis 9375 ----------		04-025/07:05:45.5
7692	M1O	04-025/07:17:30.4		NOTE: South Pole Crossing 9375		04-025/07:06:26.0
7693	M1O	04-025/07:30:49.3		SPAWN, Engine = 65535, Parameters = 025, 01, TRUE, 00:19:02, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-025/07:19:45.0
7694	M1O	04-025/07:30:50.4		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	04-025/07:19:46.1
7695	M1O	04-025/07:30:52.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-025/07:19:48.1
7696	M1O	04-025/07:30:52.7		CALL, Engine = , Parameters = 025, 01, 254	bld_autosw	04-025/07:19:48.4
7697	M1O	04-025/07:30:53.8		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-025/07:19:49.5
7698	M1O	04-025/07:30:54.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:19:50.6
7699	M1O	04-025/07:30:55.9		Deletes the designated file.: d:/dat/254_doy025_pass01_file01.dat	FILE_DELETE	04-025/07:19:51.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7700	M1O	04-025/07:30:57.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:19:52.7
7701	M1O	04-025/07:30:58.0		Deletes the designated file.: d:/dat/254_doy025_pass01_file02.dat	FILE_DELETE	04-025/07:19:53.7
7702	M1O	04-025/07:30:59.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:19:54.8
7703	M1O	04-025/07:31:00.1		Deletes the designated file.: d:/dat/254_doy025_pass01_file03.dat	FILE_DELETE	04-025/07:19:55.8
7704	M1O	04-025/07:31:01.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:19:56.9
7705	M1O	04-025/07:31:02.2		Deletes the designated file.: d:/dat/254_doy025_pass01_file04.dat	FILE_DELETE	04-025/07:19:57.9
7706	M1O	04-025/07:31:03.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:19:59.0
7707	M1O	04-025/07:31:04.3		Deletes the designated file.: d:/dat/254_doy025_pass01_file05.dat	FILE_DELETE	04-025/07:20:00.0
7708	M1O	04-025/07:31:05.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:01.1
7709	M1O	04-025/07:31:06.4		Deletes the designated file.: d:/dat/254_doy025_pass01_file06.dat	FILE_DELETE	04-025/07:20:02.1
7710	M1O	04-025/07:31:07.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:03.2
7711	M1O	04-025/07:31:08.5		Deletes the designated file.: d:/dat/254_doy025_pass01_file07.dat	FILE_DELETE	04-025/07:20:04.2
7712	M1O	04-025/07:31:09.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:05.3
7713	M1O	04-025/07:31:10.6		Deletes the designated file.: d:/dat/254_doy025_pass01_file08.dat	FILE_DELETE	04-025/07:20:06.3
7714	M1O	04-025/07:31:11.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:07.4
7715	M1O	04-025/07:31:12.7		Deletes the designated file.: d:/dat/254_doy025_pass01_file09.dat	FILE_DELETE	04-025/07:20:08.4
7716	M1O	04-025/07:31:13.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:09.5
7717	M1O	04-025/07:31:14.8		Deletes the designated file.: d:/dat/254_doy025_pass01_file10.dat	FILE_DELETE	04-025/07:20:10.5
7718	M1O	04-025/07:31:15.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:11.6
7719	M1O	04-025/07:31:16.9		Deletes the designated file.: d:/dat/254_doy025_pass01_file11.dat	FILE_DELETE	04-025/07:20:12.6
7720	M1O	04-025/07:31:18.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:13.7
7721	M1O	04-025/07:31:19.0		Deletes the designated file.: d:/dat/254_doy025_pass01_file12.dat	FILE_DELETE	04-025/07:20:14.7
7722	M1O	04-025/07:31:20.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:15.8
7723	M1O	04-025/07:31:21.1		Deletes the designated file.: d:/dat/254_doy025_pass01_file13.dat	FILE_DELETE	04-025/07:20:16.8
7724	M1O	04-025/07:31:22.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:17.9
7725	M1O	04-025/07:31:23.2		Deletes the designated file.: d:/dat/254_doy025_pass01_file14.dat	FILE_DELETE	04-025/07:20:18.9
7726	M1O	04-025/07:31:24.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:20.0
7727	M1O	04-025/07:31:25.3		Deletes the designated file.: d:/dat/254_doy025_pass01_file15.dat	FILE_DELETE	04-025/07:20:21.0
7728	M1O	04-025/07:31:26.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:22.1
7729	M1O	04-025/07:31:27.4		Deletes the designated file.: d:/dat/254_doy025_pass01_file16.dat	FILE_DELETE	04-025/07:20:23.1
7730	M1O	04-025/07:31:28.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:24.2
7731	M1O	04-025/07:31:29.5		Deletes the designated file.: d:/dat/254_doy025_pass01_file17.dat	FILE_DELETE	04-025/07:20:25.2
7732	M1O	04-025/07:31:30.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:26.3
7733	M1O	04-025/07:31:31.6		Deletes the designated file.: d:/dat/254_doy025_pass01_file18.dat	FILE_DELETE	04-025/07:20:27.3
7734	M1O	04-025/07:31:32.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/07:20:28.4
7735	M1O	04-025/07:31:33.7		Deletes the designated file.: d:/dat/254_doy025_pass01_file19.dat	FILE_DELETE	04-025/07:20:29.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7736	M1O	04-025/07:31:34.7		CALL, Engine = , Parameters = 254	get_apid	04-025/07:20:30.4
7737	M1O	04-025/07:31:35.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-025/07:20:31.5
7738	M1O	04-025/07:31:36.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-025/07:20:31.7
7739	M1O	04-025/07:31:37.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-025/07:20:32.8
7740	M1O	04-025/07:31:38.4		CALL, Engine = , Parameters = 254	get_coding	04-025/07:20:34.1
7741	M1O	04-025/07:31:39.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-025/07:20:35.3
7742	M1O	04-025/07:31:40.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-025/07:20:36.5
7743	M1O	04-025/07:32:45.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-025/07:21:41.3
7744	M1O	04-025/07:32:46.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-025/07:21:42.3
7745	M1O	04-025/07:32:47.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-025/07:21:43.3
7746	M1O	04-025/07:32:48.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-025/07:21:44.3
7747	M1O	04-025/07:32:49.6		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-025/07:21:45.3
7748	M1O	04-025/07:32:50.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-025/07:21:46.3
7749	M1O	04-025/07:32:51.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-025/07:21:47.3
7750	M1O	04-025/07:34:41.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/07:23:37.3
7751	M1O	04-025/07:34:51.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-025/07:23:47.3
7752	M1O	04-025/07:45:19.5		NOTE: Enter Solar Eclipse 9375		04-025/07:34:15.1
7753	M1O	04-025/07:46:49.8		NOTE: Ascending Node Crossing 9375		04-025/07:35:45.4
7754	M1O	04-025/07:51:51.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-025/07:40:47.3
7755	M1O	04-025/07:51:52.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-025/07:40:48.4
7756	M1O	04-025/07:52:02.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-025/07:40:58.4
7757	M1O	04-025/07:52:03.8		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	04-025/07:40:59.4
7758	M1O	04-025/07:52:04.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-025/07:41:00.4
7759	M1O	04-025/07:52:05.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-025/07:41:01.4
7760	M1O	04-025/07:59:35.3		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-025/07:48:30.8
7761	M1O	04-025/07:59:35.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/07:48:30.9
7762	M1O	04-025/07:59:36.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-025/07:48:31.9
7763	M1O	04-025/07:59:37.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-025/07:48:32.9
7764	M1O	04-025/07:59:38.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-025/07:48:33.9
7765	M1O	04-025/07:59:39.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-025/07:48:34.9
7766	M1O	04-025/07:59:49.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-025/07:48:44.9
7767	M1O	04-025/07:59:59.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-025/07:48:54.9
7768	M1O	04-025/08:00:00.0	43	Begin Tracking		
7769	M1O	04-025/08:00:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7770	M1O	04-025/08:00:00.3		NOTE: Changing to 70M downlink rate: 110600_BPS		04-025/07:48:55.8
7771	M1O	04-025/08:00:00.3		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	04-025/07:48:55.8
7772	M1O	04-025/08:00:00.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7773	M1O	04-025/08:02:00.8		NOTE: Exit Solar Eclipse 9375		04-025/07:50:56.4
7774	M1O	04-025/08:04:13.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7775	M1O	04-025/08:04:59.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-025/07:53:54.9
7776	M1O	04-025/08:05:00.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/07:53:55.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7777	M1O	04-025/08:05:00.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7778	M1O	04-025/08:05:01.4		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-025/07:53:56.9
7779	M1O	04-025/08:09:13.0	43	Range Modulation On: SUP=3.0dB		
7780	M1O	04-025/08:10:13.0	43	Begin Ranging Acquisition		
7781	M1O	04-025/08:15:59.2		NOTE: Apoapsis 9375 -		04-025/08:04:54.7
7782	M1O	04-025/08:16:50.9		NOTE: North Pole Crossing 9375		04-025/08:05:46.4
7783	M1O	04-025/08:18:33.6		NOTE: Enter Planetary Atmosphere 9375		04-025/08:07:29.1
7784	M1O	04-025/08:22:13.1		SPAWN, Engine = 65535, Parameters = 3, 00:09:06.353, 1	dpt	04-025/08:11:08.6
7785	M1O	04-025/08:22:15.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/08:11:10.7
7786	M1O	04-025/08:22:15.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7787	M1O	04-025/08:22:16.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-025/08:11:11.7
7788	M1O	04-025/08:23:15.1		NOTE: Enter Earth Occultation 9375		04-025/08:12:10.6
7789	M1O	04-025/08:23:15.1	43	NOTE: Loss Of X-Band Signal		
7790	M1O	04-025/08:25:49.6		NOTE: Exit Earth Occultation 9375		04-025/08:14:45.0
7791	M1O	04-025/08:25:49.6	43	Acquisition Of X-Band Signal		
7792	M1O	04-025/08:25:49.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7793	M1O	04-025/08:26:21.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7794	M1O	04-025/08:30:32.6		NOTE: Exit Planetary Atmosphere 9375		04-025/08:19:28.0
7795	M1O	04-025/08:31:21.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/08:20:17.0
7796	M1O	04-025/08:31:21.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7797	M1O	04-025/08:31:22.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-025/08:20:18.0
7798	M1O	04-025/08:35:45.5		SPAWN, Engine = 65535, Parameters = 025, 02, TRUE, 00:18:17, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-025/08:24:41.0
7799	M1O	04-025/08:35:46.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/08:24:41.5
7800	M1O	04-025/08:35:46.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7801	M1O	04-025/08:35:46.6		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	04-025/08:24:42.1
7802	M1O	04-025/08:35:48.6		CALL, Engine = , Parameters = 253	get_cmd_opt	04-025/08:24:44.1
7803	M1O	04-025/08:35:48.9		CALL, Engine = , Parameters = 025, 02, 253	bld_autosw	04-025/08:24:44.4
7804	M1O	04-025/08:35:50.0		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-025/08:24:45.5
7805	M1O	04-025/08:35:51.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:24:46.6
7806	M1O	04-025/08:35:52.1		Deletes the designated file.: d:/dat/253_doy025_pass02_file01.dat	FILE_DELETE	04-025/08:24:47.6
7807	M1O	04-025/08:35:53.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:24:48.7
7808	M1O	04-025/08:35:54.2		Deletes the designated file.: d:/dat/253_doy025_pass02_file02.dat	FILE_DELETE	04-025/08:24:49.7
7809	M1O	04-025/08:35:55.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:24:50.8
7810	M1O	04-025/08:35:56.3		Deletes the designated file.: d:/dat/253_doy025_pass02_file03.dat	FILE_DELETE	04-025/08:24:51.8
7811	M1O	04-025/08:35:57.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:24:52.9
7812	M1O	04-025/08:35:58.4		Deletes the designated file.: d:/dat/253_doy025_pass02_file04.dat	FILE_DELETE	04-025/08:24:53.9
7813	M1O	04-025/08:35:59.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:24:55.0
7814	M1O	04-025/08:36:00.5		Deletes the designated file.: d:/dat/253_doy025_pass02_file05.dat	FILE_DELETE	04-025/08:24:56.0
7815	M1O	04-025/08:36:01.6		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-025/08:24:57.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/253_doy025_pass02_file06.dat, d:/dat/autoswitch.dat		
7816	M1O	04-025/08:36:02.6		Deletes the designated file.: d:/dat/253_doy025_pass02_file06.dat	FILE_DELETE	04-025/08:24:58.1
7817	M1O	04-025/08:36:03.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:24:59.2
7818	M1O	04-025/08:36:04.7		Deletes the designated file.: d:/dat/253_doy025_pass02_file07.dat	FILE_DELETE	04-025/08:25:00.2
7819	M1O	04-025/08:36:05.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:25:01.3
7820	M1O	04-025/08:36:06.8		Deletes the designated file.: d:/dat/253_doy025_pass02_file08.dat	FILE_DELETE	04-025/08:25:02.3
7821	M1O	04-025/08:36:07.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:25:03.4
7822	M1O	04-025/08:36:08.9		Deletes the designated file.: d:/dat/253_doy025_pass02_file09.dat	FILE_DELETE	04-025/08:25:04.4
7823	M1O	04-025/08:36:10.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:25:05.5
7824	M1O	04-025/08:36:11.0		Deletes the designated file.: d:/dat/253_doy025_pass02_file10.dat	FILE_DELETE	04-025/08:25:06.5
7825	M1O	04-025/08:36:12.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:25:07.6
7826	M1O	04-025/08:36:13.1		Deletes the designated file.: d:/dat/253_doy025_pass02_file11.dat	FILE_DELETE	04-025/08:25:08.6
7827	M1O	04-025/08:36:14.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:25:09.7
7828	M1O	04-025/08:36:15.2		Deletes the designated file.: d:/dat/253_doy025_pass02_file12.dat	FILE_DELETE	04-025/08:25:10.7
7829	M1O	04-025/08:36:16.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:25:11.8
7830	M1O	04-025/08:36:17.3		Deletes the designated file.: d:/dat/253_doy025_pass02_file13.dat	FILE_DELETE	04-025/08:25:12.8
7831	M1O	04-025/08:36:18.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:25:13.9
7832	M1O	04-025/08:36:19.4		Deletes the designated file.: d:/dat/253_doy025_pass02_file14.dat	FILE_DELETE	04-025/08:25:14.9
7833	M1O	04-025/08:36:20.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:25:16.0
7834	M1O	04-025/08:36:21.5		Deletes the designated file.: d:/dat/253_doy025_pass02_file15.dat	FILE_DELETE	04-025/08:25:17.0
7835	M1O	04-025/08:36:22.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:25:18.1
7836	M1O	04-025/08:36:23.6		Deletes the designated file.: d:/dat/253_doy025_pass02_file16.dat	FILE_DELETE	04-025/08:25:19.1
7837	M1O	04-025/08:36:24.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:25:20.2
7838	M1O	04-025/08:36:25.7		Deletes the designated file.: d:/dat/253_doy025_pass02_file17.dat	FILE_DELETE	04-025/08:25:21.2
7839	M1O	04-025/08:36:26.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:25:22.3
7840	M1O	04-025/08:36:27.8		Deletes the designated file.: d:/dat/253_doy025_pass02_file18.dat	FILE_DELETE	04-025/08:25:23.3
7841	M1O	04-025/08:36:28.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/08:25:24.4
7842	M1O	04-025/08:36:29.9		Deletes the designated file.: d:/dat/253_doy025_pass02_file19.dat	FILE_DELETE	04-025/08:25:25.4
7843	M1O	04-025/08:36:30.9		CALL, Engine = , Parameters = 253	get_apid	04-025/08:25:26.4
7844	M1O	04-025/08:36:32.0		CALL, Engine = , Parameters = 253	get_rcv_mode	04-025/08:25:27.5
7845	M1O	04-025/08:36:32.2		CALL, Engine = , Parameters = 253	get_dl_rate	04-025/08:25:27.7
7846	M1O	04-025/08:36:33.3		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-025/08:25:28.8
7847	M1O	04-025/08:36:34.6		CALL, Engine = , Parameters = 253	get_coding	04-025/08:25:30.1
7848	M1O	04-025/08:36:35.8		CALL, Engine = , Parameters = 253	get_xmt_mode	04-025/08:25:31.3
7849	M1O	04-025/08:36:37.0		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-025/08:25:32.5
7850	M1O	04-025/08:37:41.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-025/08:26:37.3
7851	M1O	04-025/08:37:42.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-025/08:26:38.3
7852	M1O	04-025/08:37:43.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-025/08:26:39.3
7853	M1O	04-025/08:37:44.8		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-025/08:26:40.3
7854	M1O	04-025/08:37:45.8		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-025/08:26:41.3
7855	M1O	04-025/08:37:46.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK,	UHF_RCV_MODE	04-025/08:26:42.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT		
7856	M1O	04-025/08:37:47.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-025/08:26:43.3
7857	M1O	04-025/08:39:37.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/08:28:33.3
7858	M1O	04-025/08:39:47.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-025/08:28:43.3
7859	M1O	04-025/08:46:50.1		NOTE: Descending Node Crossing 9376		04-025/08:35:45.5
7860	M1O	04-025/08:56:02.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-025/08:44:58.3
7861	M1O	04-025/08:56:04.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-025/08:44:59.4
7862	M1O	04-025/08:56:14.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-025/08:45:09.4
7863	M1O	04-025/08:56:15.0		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	04-025/08:45:10.4
7864	M1O	04-025/08:56:16.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-025/08:45:11.4
7865	M1O	04-025/08:56:16.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7866	M1O	04-025/08:56:17.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-025/08:45:12.4
7867	M1O	04-025/09:01:15.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/08:50:11.0
7868	M1O	04-025/09:01:15.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7869	M1O	04-025/09:15:25.5		NOTE: Periapsis 9376 ----------		04-025/09:04:20.8
7870	M1O	04-025/09:16:07.4		NOTE: South Pole Crossing 9376		04-025/09:05:02.7
7871	M1O	04-025/09:31:32.7		SPAWN, Engine = 65535, Parameters = 025, 02, FALSE, 00:11:40.982, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-025/09:20:28.0
7872	M1O	04-025/09:31:33.8		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	04-025/09:20:29.1
7873	M1O	04-025/09:31:35.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-025/09:20:31.1
7874	M1O	04-025/09:32:18.0		CALL, Engine = , Parameters = 254	get_apid	04-025/09:21:13.3
7875	M1O	04-025/09:32:19.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-025/09:21:14.4
7876	M1O	04-025/09:32:19.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-025/09:21:14.6
7877	M1O	04-025/09:32:20.4		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-025/09:21:15.7
7878	M1O	04-025/09:32:21.7		CALL, Engine = , Parameters = 254	get_coding	04-025/09:21:17.0
7879	M1O	04-025/09:32:22.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-025/09:21:18.2
7880	M1O	04-025/09:32:24.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-025/09:21:19.4
7881	M1O	04-025/09:33:28.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-025/09:22:24.2
7882	M1O	04-025/09:33:29.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-025/09:22:25.2
7883	M1O	04-025/09:33:30.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-025/09:22:26.2
7884	M1O	04-025/09:33:31.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-025/09:22:27.2
7885	M1O	04-025/09:33:32.9		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-025/09:22:28.2
7886	M1O	04-025/09:33:33.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-025/09:22:29.2
7887	M1O	04-025/09:33:34.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-025/09:22:30.2
7888	M1O	04-025/09:43:56.0		NOTE: Enter Solar Eclipse 9376		04-025/09:32:51.2
7889	M1O	04-025/09:44:02.3	43	NOTE: X-Band Transmitter Off in 15 minutes		
7890	M1O	04-025/09:45:11.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-025/09:34:07.1
7891	M1O	04-025/09:45:13.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-025/09:34:08.2
7892	M1O	04-025/09:45:23.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-025/09:34:18.2
7893	M1O	04-025/09:45:24.0		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	04-025/09:34:19.2
7894	M1O	04-025/09:45:26.6		NOTE: Ascending Node Crossing 9376		04-025/09:34:21.8
7895	M1O	04-025/09:54:02.0	43	Range Modulation Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7896	M1O	04-025/09:59:02.3	43	X-Band Transmitter Off		
7897	M1O	04-025/10:00:37.0		NOTE: Exit Solar Eclipse 9376		04-025/09:49:32.2
7898	M1O	04-025/10:02:58.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7899	M1O	04-025/10:07:58.0	43	Range Modulation On: SUP=3.0dB		
7900	M1O	04-025/10:08:58.0	43	Begin Ranging Acquisition		
7901	M1O	04-025/10:14:18.3		NOTE: Apoapsis 9376 -		04-025/10:03:13.4
7902	M1O	04-025/10:15:27.4		NOTE: North Pole Crossing 9376		04-025/10:04:22.5
7903	M1O	04-025/10:17:07.9		NOTE: Enter Planetary Atmosphere 9376		04-025/10:06:03.0
7904	M1O	04-025/10:20:09.8		SPAWN, Engine = 65535, Parameters = 3, 00:09:55, 1	dpt	04-025/10:09:04.9
7905	M1O	04-025/10:20:11.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/10:09:07.0
7906	M1O	04-025/10:20:11.9	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7907	M1O	04-025/10:20:12.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-025/10:09:08.0
7908	M1O	04-025/10:21:12.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7909	M1O	04-025/10:21:42.0		NOTE: Enter Earth Occultation 9376		04-025/10:10:37.1
7910	M1O	04-025/10:21:42.0	43	NOTE: Loss Of X-Band Signal		
7911	M1O	04-025/10:24:35.6		NOTE: Exit Earth Occultation 9376		04-025/10:13:30.6
7912	M1O	04-025/10:24:35.6	43	Acquisition Of X-Band Signal		
7913	M1O	04-025/10:24:35.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7914	M1O	04-025/10:25:07.7	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7915	M1O	04-025/10:29:11.1		NOTE: Exit Planetary Atmosphere 9376		04-025/10:18:06.2
7916	M1O	04-025/10:30:07.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/10:19:02.0
7917	M1O	04-025/10:30:07.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7918	M1O	04-025/10:30:08.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-025/10:19:03.0
7919	M1O	04-025/10:45:26.0		NOTE: Descending Node Crossing 9377		04-025/10:34:21.1
7920	M1O	04-025/10:55:00.0	55	Begin Pre-Cal		
7921	M1O	04-025/10:55:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7922	M1O	04-025/10:55:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7923	M1O	04-025/10:55:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7924	M1O	04-025/10:55:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7925	M1O	04-025/10:55:00.0	55	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
7926	M1O	04-025/10:55:00.0	55	Config: RCV: Parms:		
7927	M1O	04-025/10:55:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
7928	M1O	04-025/10:55:00.0	55	Config: TGC: BAND=X, SR=221200.000000		
7929	M1O	04-025/10:55:00.0	55	Config: TXL		
7930	M1O	04-025/10:55:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
7931	M1O	04-025/10:55:00.0	55	Config: CMD		
7932	M1O	04-025/10:55:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
7933	M1O	04-025/11:13:55.9		NOTE: Periapsis 9377 ----------		04-025/11:02:50.8
7934	M1O	04-025/11:14:43.5		NOTE: South Pole Crossing 9377		04-025/11:03:38.4
7935	M1O	04-025/11:30:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
7936	M1O	04-025/11:40:00.0	43	Range Modulation Off		
7937	M1O	04-025/11:42:32.6		NOTE: Enter Solar Eclipse 9377		04-025/11:31:27.4
7938	M1O	04-025/11:42:49.5	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
7939	M1O	04-025/11:44:02.8		NOTE: Ascending Node Crossing 9377		04-025/11:32:57.7
7940	M1O	04-025/11:45:00.0	43	X-Band Transmitter Off		
7941	M1O	04-025/11:55:00.0	55	Begin Tracking		
7942	M1O	04-025/11:55:00.0	55	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		
7943	M1O	04-025/11:56:34.0	43	NOTE: Below Uplink Interlock Limit		
7944	M1O	04-025/11:59:16.0		NOTE: Exit Solar Eclipse 9377		04-025/11:48:10.8
7945	M1O	04-025/12:02:01.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7946	M1O	04-025/12:03:57.9		SPAWN, Engine = 65535, Parameters = 3, 00:08:08.100, 1	dpt	04-025/11:52:52.7
7947	M1O	04-025/12:04:00.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/11:52:54.8
7948	M1O	04-025/12:04:00.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7949	M1O	04-025/12:04:00.0	55	D/L Change: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7950	M1O	04-025/12:04:01.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-025/11:52:55.8
7951	M1O	04-025/12:04:59.9		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-025/11:53:54.7
7952	M1O	04-025/12:04:59.9		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	04-025/11:53:54.7
7953	M1O	04-025/12:04:59.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7954	M1O	04-025/12:04:59.9	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		
7955	M1O	04-025/12:05:00.0	43	End Tracking		
7956	M1O	04-025/12:05:07.0		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-025/11:54:01.8
7957	M1O	04-025/12:05:07.0	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		
7958	M1O	04-025/12:07:01.0	55	Range Modulation On: SUP=3.0dB		
7959	M1O	04-025/12:07:10.3	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7960	M1O	04-025/12:08:01.0	55	Begin Ranging Acquisition		
7961	M1O	04-025/12:12:08.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/12:01:02.9
7962	M1O	04-025/12:12:08.2	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7963	M1O	04-025/12:12:09.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-025/12:01:03.9
7964	M1O	04-025/12:12:37.5		NOTE: Apoapsis 9377 -		04-025/12:01:32.3
7965	M1O	04-025/12:14:02.5		NOTE: North Pole Crossing 9377		04-025/12:02:57.2
7966	M1O	04-025/12:15:33.2		NOTE: Enter Planetary Atmosphere 9377		04-025/12:04:27.9
7967	M1O	04-025/12:18:43.0		SPAWN, Engine = 65535, Parameters = 3, 00:10:26.327, 1	dpt	04-025/12:07:37.8
7968	M1O	04-025/12:18:45.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/12:07:39.9
7969	M1O	04-025/12:18:45.1	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7970	M1O	04-025/12:18:46.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-025/12:07:40.9
7971	M1O	04-025/12:19:45.0		NOTE: Enter Earth Occultation 9377		04-025/12:08:39.8
7972	M1O	04-025/12:19:45.0	55	NOTE: Loss Of X-Band Signal		
7973	M1O	04-025/12:20:00.0	43	End Post-Cal		
7974	M1O	04-025/12:23:40.0		NOTE: Exit Earth Occultation 9377		04-025/12:12:34.7
7975	M1O	04-025/12:23:40.0	55	Acquisition Of X-Band Signal		
7976	M1O	04-025/12:23:40.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7977	M1O	04-025/12:24:11.4	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7978	M1O	04-025/12:27:53.3		NOTE: Exit Planetary Atmosphere 9377		04-025/12:16:48.0
7979	M1O	04-025/12:29:11.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/12:18:06.2
7980	M1O	04-025/12:29:11.5	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7981	M1O	04-025/12:29:12.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-025/12:18:07.2
7982	M1O	04-025/12:43:59.7		NOTE: Descending Node Crossing 9378		04-025/12:32:54.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7983	M1O	04-025/13:12:29.4		NOTE: Periapsis 9378 ----------		04-025/13:01:23.9
7984	M1O	04-025/13:13:17.0		NOTE: South Pole Crossing 9378		04-025/13:02:11.6
7985	M1O	04-025/13:34:47.5		SPAWN, Engine = 65535, Parameters = 025, 03, FALSE, 00:19:38.353, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-025/13:23:42.0
7986	M1O	04-025/13:34:48.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-025/13:23:43.1
7987	M1O	04-025/13:34:50.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-025/13:23:45.1
7988	M1O	04-025/13:35:32.8		CALL, Engine = , Parameters = 56	get_apid	04-025/13:24:27.3
7989	M1O	04-025/13:35:33.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-025/13:24:28.4
7990	M1O	04-025/13:35:34.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-025/13:24:28.6
7991	M1O	04-025/13:35:35.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-025/13:24:29.7
7992	M1O	04-025/13:35:36.4		CALL, Engine = , Parameters = 56	get_coding	04-025/13:24:30.9
7993	M1O	04-025/13:35:37.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-025/13:24:32.1
7994	M1O	04-025/13:35:38.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-025/13:24:33.3
7995	M1O	04-025/13:36:43.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-025/13:25:38.1
7996	M1O	04-025/13:36:44.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-025/13:25:39.1
7997	M1O	04-025/13:36:45.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-025/13:25:40.1
7998	M1O	04-025/13:36:46.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-025/13:25:41.1
7999	M1O	04-025/13:36:47.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-025/13:25:42.1
8000	M1O	04-025/13:36:48.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-025/13:25:43.1
8001	M1O	04-025/13:36:49.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-025/13:25:44.1
8002	M1O	04-025/13:40:17.9	55	NOTE: X-Band Transmitter Off in 15 minutes		
8003	M1O	04-025/13:41:05.5		NOTE: Enter Solar Eclipse 9378		04-025/13:30:00.0
8004	M1O	04-025/13:42:36.3		NOTE: Ascending Node Crossing 9378		04-025/13:31:30.7
8005	M1O	04-025/13:50:18.0	55	Range Modulation Off		
8006	M1O	04-025/13:55:17.9	55	X-Band Transmitter Off		
8007	M1O	04-025/13:56:24.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-025/13:45:18.4
8008	M1O	04-025/13:56:25.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-025/13:45:19.5
8009	M1O	04-025/13:56:35.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-025/13:45:29.5
8010	M1O	04-025/13:56:36.1		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	04-025/13:45:30.5
8011	M1O	04-025/13:57:52.6		NOTE: Exit Solar Eclipse 9378		04-025/13:46:47.0
8012	M1O	04-025/14:00:48.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8013	M1O	04-025/14:05:48.0	55	Range Modulation On: SUP=3.0dB		
8014	M1O	04-025/14:06:48.0	55	Begin Ranging Acquisition		
8015	M1O	04-025/14:11:19.1		NOTE: Apoapsis 9378 -		04-025/14:00:13.4
8016	M1O	04-025/14:12:35.0		NOTE: North Pole Crossing 9378		04-025/14:01:29.3
8017	M1O	04-025/14:13:58.3		NOTE: Enter Planetary Atmosphere 9378		04-025/14:02:52.6
8018	M1O	04-025/14:16:26.7		SPAWN, Engine = 65535, Parameters = 3, 00:11:30, 1	dpt	04-025/14:05:21.1
8019	M1O	04-025/14:16:28.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/14:05:23.2
8020	M1O	04-025/14:16:28.8	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8021	M1O	04-025/14:16:29.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-025/14:05:24.2
8022	M1O	04-025/14:17:29.1	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8023	M1O	04-025/14:17:59.1		NOTE: Enter Earth Occultation 9378		04-025/14:06:53.5
8024	M1O	04-025/14:17:59.1	55	NOTE: Loss Of X-Band Signal		
8025	M1O	04-025/14:22:27.4		NOTE: Exit Earth Occultation 9378		04-025/14:11:21.8
8026	M1O	04-025/14:22:27.4	55	Acquisition Of X-Band Signal		
8027	M1O	04-025/14:22:27.4	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8028	M1O	04-025/14:22:59.2	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8029	M1O	04-025/14:26:29.7		NOTE: Exit Planetary Atmosphere 9378		04-025/14:15:24.0
8030	M1O	04-025/14:27:58.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/14:16:53.2
8031	M1O	04-025/14:27:58.9	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8032	M1O	04-025/14:27:59.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-025/14:16:54.2
8033	M1O	04-025/14:42:31.5		NOTE: Descending Node Crossing 9379		04-025/14:31:25.7
8034	M1O	04-025/15:10:57.7		NOTE: Periapsis 9379 ----------		04-025/14:59:51.9
8035	M1O	04-025/15:11:47.9		NOTE: South Pole Crossing 9379		04-025/15:00:42.0
8036	M1O	04-025/15:39:01.5	55	NOTE: X-Band Transmitter Off in 15 minutes		
8037	M1O	04-025/15:39:35.8		NOTE: Enter Solar Eclipse 9379		04-025/15:28:29.8
8038	M1O	04-025/15:41:06.5		NOTE: Ascending Node Crossing 9379		04-025/15:30:00.6
8039	M1O	04-025/15:49:02.0	55	Range Modulation Off		
8040	M1O	04-025/15:54:01.5	55	X-Band Transmitter Off		
8041	M1O	04-025/15:56:20.6		NOTE: Exit Solar Eclipse 9379		04-025/15:45:14.6
8042	M1O	04-025/15:59:06.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8043	M1O	04-025/16:04:06.0	55	Range Modulation On: SUP=3.0dB		
8044	M1O	04-025/16:05:06.0	55	Begin Ranging Acquisition		
8045	M1O	04-025/16:09:46.1		NOTE: Apoapsis 9379 -		04-025/15:58:40.1
8046	M1O	04-025/16:11:06.0		NOTE: North Pole Crossing 9379		04-025/15:59:59.9
8047	M1O	04-025/16:12:34.0		NOTE: Enter Planetary Atmosphere 9379		04-025/16:01:27.9
8048	M1O	04-025/16:15:11.1		SPAWN, Engine = 65535, Parameters = 3, 00:11:04, 1	dpt	04-025/16:04:05.1
8049	M1O	04-025/16:15:13.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/16:04:07.2
8050	M1O	04-025/16:15:13.2	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8051	M1O	04-025/16:15:14.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-025/16:04:08.2
8052	M1O	04-025/16:16:13.4	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8053	M1O	04-025/16:16:43.4		NOTE: Enter Earth Occultation 9379		04-025/16:05:37.4
8054	M1O	04-025/16:16:43.4	55	NOTE: Loss Of X-Band Signal		
8055	M1O	04-025/16:20:45.7		NOTE: Exit Earth Occultation 9379		04-025/16:09:39.6
8056	M1O	04-025/16:20:45.7	55	Acquisition Of X-Band Signal		
8057	M1O	04-025/16:20:45.7	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8058	M1O	04-025/16:21:17.9	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8059	M1O	04-025/16:24:56.7		NOTE: Exit Planetary Atmosphere 9379		04-025/16:13:50.6
8060	M1O	04-025/16:26:17.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/16:15:11.2
8061	M1O	04-025/16:26:17.3	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8062	M1O	04-025/16:26:18.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-025/16:15:12.2
8063	M1O	04-025/16:41:03.0		NOTE: Descending Node Crossing 9380		04-025/16:29:56.9
8064	M1O	04-025/17:09:09.3		NOTE: Periapsis 9380 ----------		04-025/16:58:03.1
8065	M1O	04-025/17:10:19.3		NOTE: South Pole Crossing 9380		04-025/16:59:13.1
8066	M1O	04-025/17:38:10.5		NOTE: Enter Solar Eclipse 9380		04-025/17:27:04.2
8067	M1O	04-025/17:38:12.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
8068	M1O	04-025/17:39:38.6		NOTE: Ascending Node Crossing 9380		04-025/17:28:32.3
8069	M1O	04-025/17:48:12.0	55	Range Modulation Off		
8070	M1O	04-025/17:53:12.0	55	X-Band Transmitter Off		
8071	M1O	04-025/17:54:46.4		NOTE: Exit Solar Eclipse 9380		04-025/17:43:40.0
8072	M1O	04-025/17:57:01.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8073	M1O	04-025/18:02:01.0	55	Range Modulation On: SUP=3.0dB		
8074	M1O	04-025/18:03:01.0	55	Begin Ranging Acquisition		
8075	M1O	04-025/18:08:03.5		NOTE: Apoapsis 9380 -		04-025/17:56:57.1
8076	M1O	04-025/18:09:39.1		NOTE: North Pole Crossing 9380		04-025/17:58:32.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8077	M1O	04-025/18:11:18.7		NOTE: Enter Planetary Atmosphere 9380		04-025/18:00:12.3
8078	M1O	04-025/18:14:20.4		SPAWN, Engine = 65535, Parameters = 3, 00:09:49, 1	dpt	04-025/18:03:13.9
8079	M1O	04-025/18:14:22.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/18:03:16.0
8080	M1O	04-025/18:14:22.5	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8081	M1O	04-025/18:14:23.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-025/18:03:17.0
8082	M1O	04-025/18:15:24.7	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8083	M1O	04-025/18:15:55.3		NOTE: Enter Earth Occultation 9380		04-025/18:04:48.8
8084	M1O	04-025/18:15:55.3	55	NOTE: Loss Of X-Band Signal		
8085	M1O	04-025/18:18:42.6		NOTE: Exit Earth Occultation 9380		04-025/18:07:36.2
8086	M1O	04-025/18:18:42.6	55	Acquisition Of X-Band Signal		
8087	M1O	04-025/18:18:42.6	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8088	M1O	04-025/18:19:13.7	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8089	M1O	04-025/18:20:00.0	14	Begin Pre-Cal		
8090	M1O	04-025/18:20:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8091	M1O	04-025/18:20:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8092	M1O	04-025/18:20:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8093	M1O	04-025/18:20:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8094	M1O	04-025/18:20:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
8095	M1O	04-025/18:20:00.0	14	Config: RCV: Parms:		
8096	M1O	04-025/18:20:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8097	M1O	04-025/18:20:00.0	14	Config: TGC: BAND=X, SR=79632.000000		
8098	M1O	04-025/18:20:00.0	14	Config: TXL		
8099	M1O	04-025/18:20:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
8100	M1O	04-025/18:20:00.0	14	Config: CMD		
8101	M1O	04-025/18:20:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
8102	M1O	04-025/18:23:20.8		NOTE: Exit Planetary Atmosphere 9380		04-025/18:12:14.3
8103	M1O	04-025/18:24:11.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/18:13:05.0
8104	M1O	04-025/18:24:11.5	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8105	M1O	04-025/18:24:12.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-025/18:13:06.0
8106	M1O	04-025/18:37:40.4		SPAWN, Engine = 65535, Parameters = 025, 03, FALSE, 00:11:54.526, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-025/18:26:34.0
8107	M1O	04-025/18:37:41.5		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	04-025/18:26:35.1
8108	M1O	04-025/18:37:43.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-025/18:26:37.1
8109	M1O	04-025/18:38:25.7		CALL, Engine = , Parameters = 254	get_apid	04-025/18:27:19.3
8110	M1O	04-025/18:38:26.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-025/18:27:20.4
8111	M1O	04-025/18:38:27.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-025/18:27:20.6
8112	M1O	04-025/18:38:28.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-025/18:27:21.7
8113	M1O	04-025/18:38:29.4		CALL, Engine = , Parameters = 254	get_coding	04-025/18:27:23.0
8114	M1O	04-025/18:38:30.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-025/18:27:24.2
8115	M1O	04-025/18:38:31.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-025/18:27:25.4
8116	M1O	04-025/18:39:36.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-025/18:28:30.2
8117	M1O	04-025/18:39:36.8		NOTE: Descending Node Crossing 9381		04-025/18:28:30.3
8118	M1O	04-025/18:39:37.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-025/18:28:31.2
8119	M1O	04-025/18:39:38.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-025/18:28:32.2
8120	M1O	04-025/18:39:39.7		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-025/18:28:33.2
8121	M1O	04-025/18:39:40.7		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-025/18:28:34.2
8122	M1O	04-025/18:39:41.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-025/18:28:35.2
8123	M1O	04-025/18:39:42.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-025/18:28:36.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
8124	M1O	04-025/18:51:33.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-025/18:40:26.7
8125	M1O	04-025/18:51:34.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-025/18:40:27.8
8126	M1O	04-025/18:51:44.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-025/18:40:37.8
8127	M1O	04-025/18:51:45.3		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	04-025/18:40:38.8
8128	M1O	04-025/19:07:47.4		NOTE: Periapsis 9381 ----------		04-025/18:56:40.8
8129	M1O	04-025/19:08:54.4		NOTE: South Pole Crossing 9381		04-025/18:57:47.8
8130	M1O	04-025/19:27:20.6		SPAWN, Engine = 65535, Parameters = 025, 03, TRUE, 00:17:48, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-025/19:16:14.0
8131	M1O	04-025/19:27:21.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/19:16:14.5
8132	M1O	04-025/19:27:21.1	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8133	M1O	04-025/19:27:21.7		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	04-025/19:16:15.1
8134	M1O	04-025/19:27:23.7		CALL, Engine = , Parameters = 253	get_cmd_opt	04-025/19:16:17.1
8135	M1O	04-025/19:27:24.0		CALL, Engine = , Parameters = 025, 03, 253	bld_autosw	04-025/19:16:17.4
8136	M1O	04-025/19:27:25.1		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-025/19:16:18.5
8137	M1O	04-025/19:27:26.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:19.6
8138	M1O	04-025/19:27:27.2		Deletes the designated file.: d:/dat/253_doy025_pass03_file01.dat	FILE_DELETE	04-025/19:16:20.6
8139	M1O	04-025/19:27:28.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:21.7
8140	M1O	04-025/19:27:29.3		Deletes the designated file.: d:/dat/253_doy025_pass03_file02.dat	FILE_DELETE	04-025/19:16:22.7
8141	M1O	04-025/19:27:30.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:23.8
8142	M1O	04-025/19:27:31.4		Deletes the designated file.: d:/dat/253_doy025_pass03_file03.dat	FILE_DELETE	04-025/19:16:24.8
8143	M1O	04-025/19:27:32.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:25.9
8144	M1O	04-025/19:27:33.5		Deletes the designated file.: d:/dat/253_doy025_pass03_file04.dat	FILE_DELETE	04-025/19:16:26.9
8145	M1O	04-025/19:27:34.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:28.0
8146	M1O	04-025/19:27:35.6		Deletes the designated file.: d:/dat/253_doy025_pass03_file05.dat	FILE_DELETE	04-025/19:16:29.0
8147	M1O	04-025/19:27:36.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:30.1
8148	M1O	04-025/19:27:37.7		Deletes the designated file.: d:/dat/253_doy025_pass03_file06.dat	FILE_DELETE	04-025/19:16:31.1
8149	M1O	04-025/19:27:38.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:32.2
8150	M1O	04-025/19:27:39.8		Deletes the designated file.: d:/dat/253_doy025_pass03_file07.dat	FILE_DELETE	04-025/19:16:33.2
8151	M1O	04-025/19:27:40.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:34.3
8152	M1O	04-025/19:27:41.9		Deletes the designated file.: d:/dat/253_doy025_pass03_file08.dat	FILE_DELETE	04-025/19:16:35.3
8153	M1O	04-025/19:27:43.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:36.4
8154	M1O	04-025/19:27:44.0		Deletes the designated file.: d:/dat/253_doy025_pass03_file09.dat	FILE_DELETE	04-025/19:16:37.4
8155	M1O	04-025/19:27:45.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:38.5
8156	M1O	04-025/19:27:46.1		Deletes the designated file.: d:/dat/253_doy025_pass03_file10.dat	FILE_DELETE	04-025/19:16:39.5
8157	M1O	04-025/19:27:47.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:40.6
8158	M1O	04-025/19:27:48.2		Deletes the designated file.: d:/dat/253_doy025_pass03_file11.dat	FILE_DELETE	04-025/19:16:41.6
8159	M1O	04-025/19:27:49.3		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-025/19:16:42.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/253_doy025_pass03_file12.dat, d:/dat/autoswitch.dat		
8160	M1O	04-025/19:27:50.3		Deletes the designated file.: d:/dat/253_doy025_pass03_file12.dat	FILE_DELETE	04-025/19:16:43.7
8161	M1O	04-025/19:27:51.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:44.8
8162	M1O	04-025/19:27:52.4		Deletes the designated file.: d:/dat/253_doy025_pass03_file13.dat	FILE_DELETE	04-025/19:16:45.8
8163	M1O	04-025/19:27:53.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:46.9
8164	M1O	04-025/19:27:54.5		Deletes the designated file.: d:/dat/253_doy025_pass03_file14.dat	FILE_DELETE	04-025/19:16:47.9
8165	M1O	04-025/19:27:55.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:49.0
8166	M1O	04-025/19:27:56.6		Deletes the designated file.: d:/dat/253_doy025_pass03_file15.dat	FILE_DELETE	04-025/19:16:50.0
8167	M1O	04-025/19:27:57.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:51.1
8168	M1O	04-025/19:27:58.7		Deletes the designated file.: d:/dat/253_doy025_pass03_file16.dat	FILE_DELETE	04-025/19:16:52.1
8169	M1O	04-025/19:27:59.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:53.2
8170	M1O	04-025/19:28:00.8		Deletes the designated file.: d:/dat/253_doy025_pass03_file17.dat	FILE_DELETE	04-025/19:16:54.2
8171	M1O	04-025/19:28:01.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:55.3
8172	M1O	04-025/19:28:02.9		Deletes the designated file.: d:/dat/253_doy025_pass03_file18.dat	FILE_DELETE	04-025/19:16:56.3
8173	M1O	04-025/19:28:04.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy025_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/19:16:57.4
8174	M1O	04-025/19:28:05.0		Deletes the designated file.: d:/dat/253_doy025_pass03_file19.dat	FILE_DELETE	04-025/19:16:58.4
8175	M1O	04-025/19:28:06.0		CALL, Engine = , Parameters = 253	get_apid	04-025/19:16:59.4
8176	M1O	04-025/19:28:07.1		CALL, Engine = , Parameters = 253	get_rcv_mode	04-025/19:17:00.5
8177	M1O	04-025/19:28:07.3		CALL, Engine = , Parameters = 253	get_dl_rate	04-025/19:17:00.7
8178	M1O	04-025/19:28:08.4		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-025/19:17:01.8
8179	M1O	04-025/19:28:09.7		CALL, Engine = , Parameters = 253	get_coding	04-025/19:17:03.1
8180	M1O	04-025/19:28:10.9		CALL, Engine = , Parameters = 253	get_xmt_mode	04-025/19:17:04.3
8181	M1O	04-025/19:28:12.1		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-025/19:17:05.5
8182	M1O	04-025/19:29:16.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-025/19:18:10.3
8183	M1O	04-025/19:29:17.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-025/19:18:11.3
8184	M1O	04-025/19:29:18.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-025/19:18:12.3
8185	M1O	04-025/19:29:19.9		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-025/19:18:13.3
8186	M1O	04-025/19:29:20.9		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-025/19:18:14.3
8187	M1O	04-025/19:29:21.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-025/19:18:15.3
8188	M1O	04-025/19:29:22.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-025/19:18:16.3
8189	M1O	04-025/19:31:12.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/19:20:06.3
8190	M1O	04-025/19:31:22.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-025/19:20:16.3
8191	M1O	04-025/19:36:48.0		NOTE: Enter Solar Eclipse 9381		04-025/19:25:41.3
8192	M1O	04-025/19:37:17.9	55	NOTE: X-Band Transmitter Off in 15 minutes		
8193	M1O	04-025/19:38:14.9		NOTE: Ascending Node Crossing 9381		04-025/19:27:08.2
8194	M1O	04-025/19:47:09.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-025/19:36:02.3
8195	M1O	04-025/19:47:10.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-025/19:36:03.4
8196	M1O	04-025/19:47:18.0	55	Range Modulation Off		
8197	M1O	04-025/19:47:20.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-025/19:36:13.4
8198	M1O	04-025/19:47:21.1		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	04-025/19:36:14.4
8199	M1O	04-025/19:47:22.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data	DOWNLINK_MODE	04-025/19:36:15.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				stream.: NOM_TLM		
8200	M1O	04-025/19:47:22.1	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8201	M1O	04-025/19:47:23.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-025/19:36:16.4
8202	M1O	04-025/19:52:17.9	55	X-Band Transmitter Off		
8203	M1O	04-025/19:52:21.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/19:41:15.0
8204	M1O	04-025/19:52:21.7	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8205	M1O	04-025/19:53:19.4		NOTE: Exit Solar Eclipse 9381		04-025/19:42:12.7
8206	M1O	04-025/20:03:58.3		SPAWN, Engine = 65535, Parameters = 3, 00:17:47.644, 1	dpt	04-025/19:52:51.5
8207	M1O	04-025/20:04:00.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/19:52:53.6
8208	M1O	04-025/20:04:00.4	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8209	M1O	04-025/20:04:01.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-025/19:52:54.6
8210	M1O	04-025/20:04:54.3		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-025/19:53:47.5
8211	M1O	04-025/20:04:54.3	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8212	M1O	04-025/20:05:00.0	14	Begin Tracking		
8213	M1O	04-025/20:05:00.0	14	Acquire D/L: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8214	M1O	04-025/20:05:00.3		NOTE: Changing to 70M downlink rate: 110600_BPS		04-025/19:53:53.5
8215	M1O	04-025/20:05:00.3		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	04-025/19:53:53.5
8216	M1O	04-025/20:05:00.3	14	D/L Change: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8217	M1O	04-025/20:05:00.3	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8218	M1O	04-025/20:06:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8219	M1O	04-025/20:06:50.2		NOTE: Apoapsis 9381 -		04-025/19:55:43.5
8220	M1O	04-025/20:08:15.0		NOTE: North Pole Crossing 9381		04-025/19:57:08.2
8221	M1O	04-025/20:10:00.2		NOTE: Enter Planetary Atmosphere 9381		04-025/19:58:53.4
8222	M1O	04-025/20:11:00.0	14	Range Modulation On: SUP=3.0dB		
8223	M1O	04-025/20:12:00.0	14	Begin Ranging Acquisition		
8224	M1O	04-025/20:14:31.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8225	M1O	04-025/20:14:31.4	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8226	M1O	04-025/20:15:01.4		NOTE: Enter Earth Occultation 9381		04-025/20:03:54.6
8227	M1O	04-025/20:15:01.4	14	NOTE: Loss Of X-Band Signal		
8228	M1O	04-025/20:15:01.4	55	NOTE: Loss Of X-Band Signal		
8229	M1O	04-025/20:16:48.0		NOTE: Exit Earth Occultation 9381		04-025/20:05:41.2
8230	M1O	04-025/20:16:48.0	14	Acquisition Of X-Band Signal		
8231	M1O	04-025/20:16:48.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8232	M1O	04-025/20:16:48.0	55	Acquisition Of X-Band Signal		
8233	M1O	04-025/20:16:48.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8234	M1O	04-025/20:21:48.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/20:10:41.3
8235	M1O	04-025/20:21:48.1	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8236	M1O	04-025/20:21:48.1	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8237	M1O	04-025/20:21:49.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-025/20:10:42.3
8238	M1O	04-025/20:21:50.7		NOTE: Exit Planetary Atmosphere 9381		04-025/20:10:43.9
8239	M1O	04-025/20:27:11.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-025/20:16:04.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8240	M1O	04-025/20:27:13.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/20:16:06.3
8241	M1O	04-025/20:27:13.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8242	M1O	04-025/20:27:13.2	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8243	M1O	04-025/20:27:14.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-025/20:16:07.3
8244	M1O	04-025/20:28:13.5	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8245	M1O	04-025/20:28:13.5	55	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8246	M1O	04-025/20:31:12.8		SPAWN, Engine = 65535, Parameters = 025, 04, TRUE, 00:18:55, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-025/20:20:06.0
8247	M1O	04-025/20:31:13.9		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	04-025/20:20:07.1
8248	M1O	04-025/20:31:15.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-025/20:20:09.1
8249	M1O	04-025/20:31:16.2		CALL, Engine = , Parameters = 025, 04, 254	bld_autosw	04-025/20:20:09.4
8250	M1O	04-025/20:31:17.3		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	04-025/20:20:10.5
8251	M1O	04-025/20:31:18.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:11.6
8252	M1O	04-025/20:31:19.4		Deletes the designated file.: d:/dat/254_doy025_pass04_file01.dat	FILE_DELETE	04-025/20:20:12.6
8253	M1O	04-025/20:31:20.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:13.7
8254	M1O	04-025/20:31:21.5		Deletes the designated file.: d:/dat/254_doy025_pass04_file02.dat	FILE_DELETE	04-025/20:20:14.7
8255	M1O	04-025/20:31:22.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:15.8
8256	M1O	04-025/20:31:23.6		Deletes the designated file.: d:/dat/254_doy025_pass04_file03.dat	FILE_DELETE	04-025/20:20:16.8
8257	M1O	04-025/20:31:24.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:17.9
8258	M1O	04-025/20:31:25.7		Deletes the designated file.: d:/dat/254_doy025_pass04_file04.dat	FILE_DELETE	04-025/20:20:18.9
8259	M1O	04-025/20:31:26.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:20.0
8260	M1O	04-025/20:31:27.8		Deletes the designated file.: d:/dat/254_doy025_pass04_file05.dat	FILE_DELETE	04-025/20:20:21.0
8261	M1O	04-025/20:31:28.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:22.1
8262	M1O	04-025/20:31:29.9		Deletes the designated file.: d:/dat/254_doy025_pass04_file06.dat	FILE_DELETE	04-025/20:20:23.1
8263	M1O	04-025/20:31:31.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:24.2
8264	M1O	04-025/20:31:32.0		Deletes the designated file.: d:/dat/254_doy025_pass04_file07.dat	FILE_DELETE	04-025/20:20:25.2
8265	M1O	04-025/20:31:33.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:26.3
8266	M1O	04-025/20:31:34.1		Deletes the designated file.: d:/dat/254_doy025_pass04_file08.dat	FILE_DELETE	04-025/20:20:27.3
8267	M1O	04-025/20:31:35.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:28.4
8268	M1O	04-025/20:31:36.2		Deletes the designated file.: d:/dat/254_doy025_pass04_file09.dat	FILE_DELETE	04-025/20:20:29.4
8269	M1O	04-025/20:31:37.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:30.5
8270	M1O	04-025/20:31:38.3		Deletes the designated file.: d:/dat/254_doy025_pass04_file10.dat	FILE_DELETE	04-025/20:20:31.5
8271	M1O	04-025/20:31:39.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:32.6
8272	M1O	04-025/20:31:40.4		Deletes the designated file.: d:/dat/254_doy025_pass04_file11.dat	FILE_DELETE	04-025/20:20:33.6
8273	M1O	04-025/20:31:41.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:34.7
8274	M1O	04-025/20:31:42.5		Deletes the designated file.: d:/dat/254_doy025_pass04_file12.dat	FILE_DELETE	04-025/20:20:35.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8275	M1O	04-025/20:31:43.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:36.8
8276	M1O	04-025/20:31:44.6		Deletes the designated file.: d:/dat/254_doy025_pass04_file13.dat	FILE_DELETE	04-025/20:20:37.8
8277	M1O	04-025/20:31:45.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:38.9
8278	M1O	04-025/20:31:46.7		Deletes the designated file.: d:/dat/254_doy025_pass04_file14.dat	FILE_DELETE	04-025/20:20:39.9
8279	M1O	04-025/20:31:47.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:41.0
8280	M1O	04-025/20:31:48.8		Deletes the designated file.: d:/dat/254_doy025_pass04_file15.dat	FILE_DELETE	04-025/20:20:42.0
8281	M1O	04-025/20:31:49.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:43.1
8282	M1O	04-025/20:31:50.9		Deletes the designated file.: d:/dat/254_doy025_pass04_file16.dat	FILE_DELETE	04-025/20:20:44.1
8283	M1O	04-025/20:31:52.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:45.2
8284	M1O	04-025/20:31:53.0		Deletes the designated file.: d:/dat/254_doy025_pass04_file17.dat	FILE_DELETE	04-025/20:20:46.2
8285	M1O	04-025/20:31:54.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:47.3
8286	M1O	04-025/20:31:55.1		Deletes the designated file.: d:/dat/254_doy025_pass04_file18.dat	FILE_DELETE	04-025/20:20:48.3
8287	M1O	04-025/20:31:56.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy025_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-025/20:20:49.4
8288	M1O	04-025/20:31:57.2		Deletes the designated file.: d:/dat/254_doy025_pass04_file19.dat	FILE_DELETE	04-025/20:20:50.4
8289	M1O	04-025/20:31:58.2		CALL, Engine = , Parameters = 254	get_apid	04-025/20:20:51.4
8290	M1O	04-025/20:31:59.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-025/20:20:52.5
8291	M1O	04-025/20:31:59.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-025/20:20:52.7
8292	M1O	04-025/20:32:00.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-025/20:20:53.8
8293	M1O	04-025/20:32:01.9		CALL, Engine = , Parameters = 254	get_coding	04-025/20:20:55.1
8294	M1O	04-025/20:32:03.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-025/20:20:56.3
8295	M1O	04-025/20:32:04.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-025/20:20:57.5
8296	M1O	04-025/20:33:09.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-025/20:22:02.3
8297	M1O	04-025/20:33:10.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-025/20:22:03.3
8298	M1O	04-025/20:33:11.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-025/20:22:04.3
8299	M1O	04-025/20:33:12.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-025/20:22:05.3
8300	M1O	04-025/20:33:13.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-025/20:22:06.3
8301	M1O	04-025/20:33:13.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/20:22:06.3
8302	M1O	04-025/20:33:13.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8303	M1O	04-025/20:33:13.2	55	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8304	M1O	04-025/20:33:14.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-025/20:22:07.3
8305	M1O	04-025/20:33:14.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/20:22:07.3
8306	M1O	04-025/20:33:14.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8307	M1O	04-025/20:33:14.1	55	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8308	M1O	04-025/20:33:14.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-025/20:22:07.3
8309	M1O	04-025/20:33:15.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-025/20:22:08.3
8310	M1O	04-025/20:35:05.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/20:23:58.3
8311	M1O	04-025/20:35:15.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-025/20:24:08.3
8312	M1O	04-025/20:38:12.7		NOTE: Descending Node Crossing 9382		04-025/20:27:05.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8313	M1O	04-025/20:52:08.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-025/20:41:01.3
8314	M1O	04-025/20:52:09.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-025/20:41:02.4
8315	M1O	04-025/20:52:19.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-025/20:41:12.4
8316	M1O	04-025/20:52:20.3		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	04-025/20:41:13.4
8317	M1O	04-025/20:52:21.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-025/20:41:14.4
8318	M1O	04-025/20:52:21.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8319	M1O	04-025/20:52:21.3	55	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8320	M1O	04-025/20:52:22.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-025/20:41:15.4
8321	M1O	04-025/20:57:20.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/20:46:14.0
8322	M1O	04-025/20:57:20.9	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8323	M1O	04-025/20:57:20.9	55	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8324	M1O	04-025/21:06:47.5		NOTE: Periapsis 9382 ----------		04-025/20:55:40.5
8325	M1O	04-025/21:07:31.3		NOTE: South Pole Crossing 9382		04-025/20:56:24.4
8326	M1O	04-025/21:25:42.0		SPAWN, Engine = 65535, Parameters = 025, 04, FALSE, 00:15:51.206, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-025/21:14:35.0
8327	M1O	04-025/21:25:43.1		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	04-025/21:14:36.1
8328	M1O	04-025/21:25:45.1		CALL, Engine = , Parameters = 253	get_cmd_opt	04-025/21:14:38.1
8329	M1O	04-025/21:26:27.3		CALL, Engine = , Parameters = 253	get_apid	04-025/21:15:20.3
8330	M1O	04-025/21:26:28.4		CALL, Engine = , Parameters = 253	get_rcv_mode	04-025/21:15:21.4
8331	M1O	04-025/21:26:28.6		CALL, Engine = , Parameters = 253	get_dl_rate	04-025/21:15:21.6
8332	M1O	04-025/21:26:29.7		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-025/21:15:22.7
8333	M1O	04-025/21:26:31.0		CALL, Engine = , Parameters = 253	get_coding	04-025/21:15:24.0
8334	M1O	04-025/21:26:32.2		CALL, Engine = , Parameters = 253	get_xmt_mode	04-025/21:15:25.2
8335	M1O	04-025/21:26:33.4		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-025/21:15:26.4
8336	M1O	04-025/21:27:38.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-025/21:16:31.2
8337	M1O	04-025/21:27:39.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-025/21:16:32.2
8338	M1O	04-025/21:27:40.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-025/21:16:33.2
8339	M1O	04-025/21:27:41.2		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-025/21:16:34.2
8340	M1O	04-025/21:27:42.2		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-025/21:16:35.2
8341	M1O	04-025/21:27:43.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-025/21:16:36.2
8342	M1O	04-025/21:27:44.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-025/21:16:37.2
8343	M1O	04-025/21:35:23.4		NOTE: Enter Solar Eclipse 9382		04-025/21:24:16.4
8344	M1O	04-025/21:36:08.4	14	NOTE: X-Band Transmitter Off in 15 minutes		
8345	M1O	04-025/21:36:51.9		NOTE: Ascending Node Crossing 9382		04-025/21:25:44.8
8346	M1O	04-025/21:43:31.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-025/21:32:24.4
8347	M1O	04-025/21:43:32.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-025/21:32:25.5
8348	M1O	04-025/21:43:42.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-025/21:32:35.5
8349	M1O	04-025/21:43:43.5		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	04-025/21:32:36.5
8350	M1O	04-025/21:46:08.0	14	Range Modulation Off		
8351	M1O	04-025/21:51:08.4	14	X-Band Transmitter Off		
8352	M1O	04-025/21:51:56.4		NOTE: Exit Solar Eclipse 9382		04-025/21:40:49.3
8353	M1O	04-025/21:53:26.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8354	M1O	04-025/21:58:26.0	14	Range Modulation On: SUP=3.0dB		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8355	M1O	04-025/21:59:26.0	14	Begin Ranging Acquisition		
8356	M1O	04-025/22:00:00.0	25	Begin Pre-Cal		
8357	M1O	04-025/22:00:00.0	25	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8358	M1O	04-025/22:00:00.0	25	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8359	M1O	04-025/22:00:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8360	M1O	04-025/22:00:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8361	M1O	04-025/22:00:00.0	25	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
8362	M1O	04-025/22:00:00.0	25	Config: RCV: Parms:		
8363	M1O	04-025/22:00:00.0	25	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8364	M1O	04-025/22:00:00.0	25	Config: TGC: BAND=X, SR=221200.000000		
8365	M1O	04-025/22:00:00.0	25	Config: TXL		
8366	M1O	04-025/22:00:00.0	25	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
8367	M1O	04-025/22:00:00.0	25	Config: CMD		
8368	M1O	04-025/22:00:00.0	25	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
8369	M1O	04-025/22:05:56.7		NOTE: Apoapsis 9382 -		04-025/21:54:49.5
8370	M1O	04-025/22:06:51.5		NOTE: North Pole Crossing 9382		04-025/21:55:44.3
8371	M1O	04-025/22:08:37.7		NOTE: Enter Planetary Atmosphere 9382		04-025/21:57:30.5
8372	M1O	04-025/22:12:20.4		SPAWN, Engine = 65535, Parameters = 3, 00:08:17, 1	dpt	04-025/22:01:13.2
8373	M1O	04-025/22:12:22.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/22:01:15.3
8374	M1O	04-025/22:12:22.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8375	M1O	04-025/22:12:22.5	55	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8376	M1O	04-025/22:12:23.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-025/22:01:16.3
8377	M1O	04-025/22:13:22.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8378	M1O	04-025/22:13:22.6	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8379	M1O	04-025/22:13:52.6		NOTE: Enter Earth Occultation 9382		04-025/22:02:45.5
8380	M1O	04-025/22:13:52.6	14	NOTE: Loss Of X-Band Signal		
8381	M1O	04-025/22:13:52.6	55	NOTE: Loss Of X-Band Signal		
8382	M1O	04-025/22:15:07.9		NOTE: Exit Earth Occultation 9382		04-025/22:04:00.7
8383	M1O	04-025/22:15:07.9	14	Acquisition Of X-Band Signal		
8384	M1O	04-025/22:15:07.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8385	M1O	04-025/22:15:07.9	55	Acquisition Of X-Band Signal		
8386	M1O	04-025/22:15:07.9	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8387	M1O	04-025/22:15:40.2	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8388	M1O	04-025/22:15:40.2	55	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8389	M1O	04-025/22:20:24.2		NOTE: Exit Planetary Atmosphere 9382		04-025/22:09:17.0
8390	M1O	04-025/22:20:39.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-025/22:09:32.3
8391	M1O	04-025/22:20:39.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8392	M1O	04-025/22:20:39.5	55	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8393	M1O	04-025/22:20:40.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-025/22:09:33.3
8394	M1O	04-025/22:36:49.4		NOTE: Descending Node Crossing 9383		04-025/22:25:42.1
8395	M1O	04-025/22:45:00.0	25	Begin Tracking		
8396	M1O	04-025/22:45:00.0	25	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		
8397	M1O	04-025/22:50:00.0	14	Range Modulation Off		
8398	M1O	04-025/22:55:00.0	25	U/L Transfer From DSS-14 to DSS-25: PWR=20.0, BR=125.0		
8399	M1O	04-025/23:00:00.0	25	Range Modulation On: SUP=3.0dB		
8400	M1O	04-025/23:01:00.0	25	Begin Ranging Acquisition		
8401	M1O	04-025/23:05:42.8		NOTE: Periapsis 9383 ----------		04-025/22:54:35.4
8402	M1O	04-025/23:06:07.7		NOTE: South Pole Crossing 9383		04-025/22:55:00.4
8403	M1O	04-025/23:09:57.0	55	NOTE: Below Uplink Interlock Limit		
8404	M1O	04-025/23:10:00.0	55	End Tracking		
8405	M1O	04-025/23:17:14.6	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		
8406	M1O	04-025/23:17:14.6	25	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8407	M1O	04-025/23:25:00.0	55	End Post-Cal		
8408	M1O	04-025/23:33:56.5		NOTE: Enter Solar Eclipse 9383		04-025/23:22:49.0
8409	M1O	04-025/23:34:26.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
8410	M1O	04-025/23:35:27.4		NOTE: Ascending Node Crossing 9383		04-025/23:24:19.9
8411	M1O	04-025/23:44:26.0	25	Range Modulation Off		
8412	M1O	04-025/23:49:26.0	25	X-Band Transmitter Off		
8413	M1O	04-025/23:50:33.5		NOTE: Exit Solar Eclipse 9383		04-025/23:39:26.0
8414	M1O	04-025/23:52:16.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8415	M1O	04-025/23:57:16.0	25	Range Modulation On: SUP=3.0dB		
8416	M1O	04-025/23:58:16.0	25	Begin Ranging Acquisition		
8417	M1O	04-026/00:00:00.0		Light Time: OWLT = 11:07, RTLT = 22:15		
8418	M1O	04-026/00:04:43.9		NOTE: Apoapsis 9383 -		04-025/23:53:36.4
8419	M1O	04-026/00:05:27.0		NOTE: North Pole Crossing 9383		04-025/23:54:19.5
8420	M1O	04-026/00:07:10.4		NOTE: Enter Planetary Atmosphere 9383		04-025/23:56:02.8
8421	M1O	04-026/00:10:36.6		SPAWN, Engine = 65535, Parameters = 3, 00:08:50, 1	dpt	04-025/23:59:29.1
8422	M1O	04-026/00:10:38.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-025/23:59:31.2
8423	M1O	04-026/00:10:38.7	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		
8424	M1O	04-026/00:10:38.7	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8425	M1O	04-026/00:10:39.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-025/23:59:32.2
8426	M1O	04-026/00:11:40.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8427	M1O	04-026/00:11:40.9	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8428	M1O	04-026/00:12:11.2		NOTE: Enter Earth Occultation 9383		04-026/00:01:03.7
8429	M1O	04-026/00:12:11.2	14	NOTE: Loss Of X-Band Signal		
8430	M1O	04-026/00:12:11.2	25	NOTE: Loss Of X-Band Signal		
8431	M1O	04-026/00:13:58.9		NOTE: Exit Earth Occultation 9383		04-026/00:02:51.4
8432	M1O	04-026/00:13:58.9	14	Acquisition Of X-Band Signal		
8433	M1O	04-026/00:13:58.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8434	M1O	04-026/00:13:58.9	25	Acquisition Of X-Band Signal		
8435	M1O	04-026/00:13:58.9	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8436	M1O	04-026/00:14:31.0	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		
8437	M1O	04-026/00:14:31.0	25	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8438	M1O	04-026/00:19:01.3		NOTE: Exit Planetary Atmosphere 9383		04-026/00:07:53.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8439	M1O	04-026/00:19:28.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/00:08:21.2
8440	M1O	04-026/00:19:28.8	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		
8441	M1O	04-026/00:19:28.8	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8442	M1O	04-026/00:19:29.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-026/00:08:22.2
8443	M1O	04-026/00:24:55.6		SPAWN, Engine = 65535, Parameters = 026, 01, FALSE, 00:10:26.132, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-026/00:13:48.0
8444	M1O	04-026/00:24:56.7		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	04-026/00:13:49.1
8445	M1O	04-026/00:24:58.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-026/00:13:51.1
8446	M1O	04-026/00:25:40.9		CALL, Engine = , Parameters = 56	get_apid	04-026/00:14:33.3
8447	M1O	04-026/00:25:42.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-026/00:14:34.4
8448	M1O	04-026/00:25:42.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-026/00:14:34.6
8449	M1O	04-026/00:25:43.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-026/00:14:35.7
8450	M1O	04-026/00:25:44.5		CALL, Engine = , Parameters = 56	get_coding	04-026/00:14:36.9
8451	M1O	04-026/00:25:45.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-026/00:14:38.1
8452	M1O	04-026/00:25:46.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-026/00:14:39.3
8453	M1O	04-026/00:26:51.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-026/00:15:44.1
8454	M1O	04-026/00:26:52.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-026/00:15:45.1
8455	M1O	04-026/00:26:53.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-026/00:15:46.1
8456	M1O	04-026/00:26:54.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-026/00:15:47.1
8457	M1O	04-026/00:26:55.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-026/00:15:48.1
8458	M1O	04-026/00:26:56.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-026/00:15:49.1
8459	M1O	04-026/00:26:57.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-026/00:15:50.1
8460	M1O	04-026/00:35:25.0		NOTE: Descending Node Crossing 9384		04-026/00:24:17.3
8461	M1O	04-026/00:37:19.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-026/00:26:12.2
8462	M1O	04-026/00:37:20.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-026/00:26:13.3
8463	M1O	04-026/00:37:30.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-026/00:26:23.3
8464	M1O	04-026/00:37:31.9		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	04-026/00:26:24.3
8465	M1O	04-026/01:04:15.1		NOTE: Periapsis 9384 ----------		04-026/00:53:07.4
8466	M1O	04-026/01:04:42.0		NOTE: South Pole Crossing 9384		04-026/00:53:34.3
8467	M1O	04-026/01:32:27.7		NOTE: Enter Solar Eclipse 9384		04-026/01:21:19.9
8468	M1O	04-026/01:32:28.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
8469	M1O	04-026/01:34:00.5		NOTE: Ascending Node Crossing 9384		04-026/01:22:52.6
8470	M1O	04-026/01:42:28.0	25	Range Modulation Off		
8471	M1O	04-026/01:47:28.0	25	X-Band Transmitter Off		
8472	M1O	04-026/01:49:08.8		NOTE: Exit Solar Eclipse 9384		04-026/01:38:00.9
8473	M1O	04-026/01:51:17.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8474	M1O	04-026/01:56:17.0	25	Range Modulation On: SUP=3.0dB		
8475	M1O	04-026/01:57:17.0	25	Begin Ranging Acquisition		
8476	M1O	04-026/02:03:00.9		NOTE: Apoapsis 9384 -		04-026/01:51:53.0
8477	M1O	04-026/02:03:59.9		NOTE: North Pole Crossing 9384		04-026/01:52:52.0
8478	M1O	04-026/02:05:36.8		NOTE: Enter Planetary Atmosphere 9384		04-026/01:54:28.8
8479	M1O	04-026/02:08:41.3		SPAWN, Engine = 65535, Parameters = 3, 00:09:49, 1	dpt	04-026/01:57:33.4
8480	M1O	04-026/02:08:43.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/01:57:35.5
8481	M1O	04-026/02:08:43.4	14	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8482	M1O	04-026/02:08:43.4	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8483	M1O	04-026/02:08:44.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-026/01:57:36.5
8484	M1O	04-026/02:09:43.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8485	M1O	04-026/02:09:43.7	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8486	M1O	04-026/02:10:13.7		NOTE: Enter Earth Occultation 9384		04-026/01:59:05.8
8487	M1O	04-026/02:10:13.7	14	NOTE: Loss Of X-Band Signal		
8488	M1O	04-026/02:10:13.7	25	NOTE: Loss Of X-Band Signal		
8489	M1O	04-026/02:13:00.6		NOTE: Exit Earth Occultation 9384		04-026/02:01:52.7
8490	M1O	04-026/02:13:00.6	14	Acquisition Of X-Band Signal		
8491	M1O	04-026/02:13:00.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8492	M1O	04-026/02:13:00.6	25	Acquisition Of X-Band Signal		
8493	M1O	04-026/02:13:00.6	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8494	M1O	04-026/02:13:32.7	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		
8495	M1O	04-026/02:13:32.7	25	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8496	M1O	04-026/02:17:39.1		NOTE: Exit Planetary Atmosphere 9384		04-026/02:06:31.2
8497	M1O	04-026/02:18:04.9		SPAWN, Engine = 65535, Parameters = 026, 02, FALSE, 00:19:20.323, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-026/02:06:57.0
8498	M1O	04-026/02:18:06.0		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	04-026/02:06:58.1
8499	M1O	04-026/02:18:08.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-026/02:07:00.1
8500	M1O	04-026/02:18:32.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/02:07:24.5
8501	M1O	04-026/02:18:32.4	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		
8502	M1O	04-026/02:18:32.4	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8503	M1O	04-026/02:18:33.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-026/02:07:25.5
8504	M1O	04-026/02:18:50.2		CALL, Engine = , Parameters = 56	get_apid	04-026/02:07:42.3
8505	M1O	04-026/02:18:51.3		CALL, Engine = , Parameters = 56	get_rcv_mode	04-026/02:07:43.4
8506	M1O	04-026/02:18:51.5		CALL, Engine = , Parameters = 56	get_dl_rate	04-026/02:07:43.6
8507	M1O	04-026/02:18:52.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-026/02:07:44.7
8508	M1O	04-026/02:18:53.8		CALL, Engine = , Parameters = 56	get_coding	04-026/02:07:45.9
8509	M1O	04-026/02:18:55.0		CALL, Engine = , Parameters = 56	get_xmt_mode	04-026/02:07:47.1
8510	M1O	04-026/02:18:56.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-026/02:07:48.3
8511	M1O	04-026/02:19:51.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
8512	M1O	04-026/02:20:01.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-026/02:08:53.1
8513	M1O	04-026/02:20:02.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-026/02:08:54.1
8514	M1O	04-026/02:20:03.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-026/02:08:55.1
8515	M1O	04-026/02:20:04.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-026/02:08:56.1
8516	M1O	04-026/02:20:05.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-026/02:08:57.1
8517	M1O	04-026/02:20:06.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-026/02:08:58.1
8518	M1O	04-026/02:20:07.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-026/02:08:59.1
8519	M1O	04-026/02:29:51.0	25	Range Modulation Off		
8520	M1O	04-026/02:33:57.2		NOTE: Descending Node Crossing 9385		04-026/02:22:49.2
8521	M1O	04-026/02:34:51.0	25	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8522	M1O	04-026/02:39:23.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-026/02:28:15.4
8523	M1O	04-026/02:39:24.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-026/02:28:16.5
8524	M1O	04-026/02:39:34.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-026/02:28:26.5
8525	M1O	04-026/02:39:35.5		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	04-026/02:28:27.5
8526	M1O	04-026/02:46:58.0		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-026/02:35:50.0
8527	M1O	04-026/02:46:58.1		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-026/02:35:50.1
8528	M1O	04-026/02:46:59.1		Forces a desaturation of the reaction wheels.	RW_DESAT	04-026/02:35:51.1
8529	M1O	04-026/02:48:56.0		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-026/02:37:48.0
8530	M1O	04-026/02:49:11.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-024T02:37:48.100, 2004-026T02:37:48.100	PCKTS_RE_TX_TIME	04-026/02:38:03.8
8531	M1O	04-026/02:49:12.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-024T02:37:48.100, 2004-026T02:37:48.100	PCKTS_RE_TX_TIME	04-026/02:38:04.8
8532	M1O	04-026/02:49:13.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-024T02:37:48.100, 2004-026T02:37:48.100	PCKTS_RE_TX_TIME	04-026/02:38:05.8
8533	M1O	04-026/02:49:14.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-024T02:37:48.100, 2004-026T02:37:48.100	PCKTS_RE_TX_TIME	04-026/02:38:06.8
8534	M1O	04-026/02:49:15.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-024T02:37:48.100, 2004-026T02:37:48.100	PCKTS_RE_TX_TIME	04-026/02:38:07.8
8535	M1O	04-026/02:49:16.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-024T02:37:48.100, 2004-026T02:37:48.100	PCKTS_RE_TX_TIME	04-026/02:38:08.8
8536	M1O	04-026/02:49:16.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-026/02:38:08.8
8537	M1O	04-026/02:49:16.8	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		
8538	M1O	04-026/02:49:16.8	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8539	M1O	04-026/02:56:17.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/02:45:09.8
8540	M1O	04-026/02:56:17.8	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		
8541	M1O	04-026/02:56:17.8	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8542	M1O	04-026/02:56:18.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-026/02:45:10.8
8543	M1O	04-026/02:56:34.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-026/02:45:26.8
8544	M1O	04-026/02:56:34.8	14	D/L RF Warning: SC antenna change - expect signal level variation		
8545	M1O	04-026/02:56:34.8	25	D/L RF Warning: SC antenna change - expect signal level variation		
8546	M1O	04-026/02:56:35.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-026/02:45:27.8
8547	M1O	04-026/02:57:07.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8548	M1O	04-026/02:57:07.0	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8549	M1O	04-026/02:58:29.1		CALL, Engine = , Parameters = FALSE	park_hga	04-026/02:47:21.1
8550	M1O	04-026/02:58:29.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/02:47:21.1
8551	M1O	04-026/02:58:30.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-026/02:47:22.1
8552	M1O	04-026/02:58:31.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-026/02:47:23.1
8553	M1O	04-026/02:58:31.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-026/02:47:23.1
8554	M1O	04-026/02:58:31.1		NOTE: START HGA PARK		
8555	M1O	04-026/02:58:31.1	14	NOTE: Loss Of X-Band Signal		
8556	M1O	04-026/02:58:31.1	25	NOTE: Loss Of X-Band Signal		
8557	M1O	04-026/02:58:32.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-026/02:47:24.1
8558	M1O	04-026/02:58:33.1		Move the specified appendage o the specified gimbal angles unless inhibited by	APPNDG_GOTO_POS	04-026/02:47:25.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				softstops.: HGA, -87, -87		
8559	M1O	04-026/03:02:26.5		NOTE: Periapsis 9385 ----------		04-026/02:51:18.4
8560	M1O	04-026/03:03:03.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-026/02:51:55.1
8561	M1O	04-026/03:03:13.5		NOTE: South Pole Crossing 9385		04-026/02:52:05.4
8562	M1O	04-026/03:06:33.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-026/02:55:25.1
8563	M1O	04-026/03:06:33.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-026/02:55:25.1
8564	M1O	04-026/03:31:00.1		NOTE: Enter Solar Eclipse 9385		04-026/03:19:51.9
8565	M1O	04-026/03:32:31.9		NOTE: Ascending Node Crossing 9385		04-026/03:21:23.7
8566	M1O	04-026/03:36:33.2		GV: GV_DESAT_ACTIVE = 1		04-026/03:25:25.0
8567	M1O	04-026/03:36:34.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-026/03:25:26.0
8568	M1O	04-026/03:36:34.2		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-026/03:25:26.0
8569	M1O	04-026/03:46:33.2		GV: GV_DESAT_ACTIVE = 0		04-026/03:35:25.0
8570	M1O	04-026/03:46:34.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-026/03:35:26.0
8571	M1O	04-026/03:46:35.2		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-026/03:35:27.0
8572	M1O	04-026/03:46:36.2		CALL, Engine = , Parameters =	unpark_hga	04-026/03:35:28.0
8573	M1O	04-026/03:46:36.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-026/03:35:28.0
8574	M1O	04-026/03:46:37.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-026/03:35:29.0
8575	M1O	04-026/03:47:40.1		NOTE: Exit Solar Eclipse 9385		04-026/03:36:31.8
8576	M1O	04-026/03:49:50.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8577	M1O	04-026/03:51:07.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-026/03:39:59.0
8578	M1O	04-026/03:51:08.2		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-026/03:40:00.0
8579	M1O	04-026/03:54:33.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-026/03:43:25.0
8580	M1O	04-026/03:54:33.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/03:43:25.1
8581	M1O	04-026/03:54:34.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-026/03:43:26.1
8582	M1O	04-026/03:54:35.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-026/03:43:27.1
8583	M1O	04-026/03:54:36.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-026/03:43:28.1
8584	M1O	04-026/03:54:37.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-026/03:43:29.1
8585	M1O	04-026/03:54:47.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-026/03:43:39.1
8586	M1O	04-026/03:54:50.0	25	Range Modulation On: SUP=3.0dB		
8587	M1O	04-026/03:54:57.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-026/03:43:49.1
8588	M1O	04-026/03:55:08.2		NOTE: EXIT HGA PARK		
8589	M1O	04-026/03:55:08.2	14	Acquisition Of X-Band Signal		
8590	M1O	04-026/03:55:08.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8591	M1O	04-026/03:55:08.2	25	Acquisition Of X-Band Signal		
8592	M1O	04-026/03:55:08.2	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8593	M1O	04-026/03:55:50.0	25	Begin Ranging Acquisition		
8594	M1O	04-026/03:59:57.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-026/03:48:49.1
8595	M1O	04-026/03:59:58.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/03:48:50.1
8596	M1O	04-026/03:59:58.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8597	M1O	04-026/03:59:58.3	25	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8598	M1O	04-026/03:59:59.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-026/03:48:51.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8599	M1O	04-026/04:00:00.0	43	Begin Pre-Cal		
8600	M1O	04-026/04:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8601	M1O	04-026/04:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8602	M1O	04-026/04:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8603	M1O	04-026/04:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8604	M1O	04-026/04:00:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
8605	M1O	04-026/04:00:00.0	43	Config: RCV: Parms:		
8606	M1O	04-026/04:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8607	M1O	04-026/04:00:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
8608	M1O	04-026/04:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8609	M1O	04-026/04:01:15.5		NOTE: Apoapsis 9385 -		04-026/03:50:07.2
8610	M1O	04-026/04:02:30.8		NOTE: North Pole Crossing 9385		04-026/03:51:22.5
8611	M1O	04-026/04:04:06.0		NOTE: Enter Planetary Atmosphere 9385		04-026/03:52:57.7
8612	M1O	04-026/04:07:38.1		SPAWN, Engine = 65535, Parameters = 3, 00:09:25.567, 1	dpt	04-026/03:56:29.8
8613	M1O	04-026/04:07:40.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/03:56:31.9
8614	M1O	04-026/04:07:40.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8615	M1O	04-026/04:07:40.2	25	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8616	M1O	04-026/04:07:41.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-026/03:56:32.9
8617	M1O	04-026/04:08:40.1		NOTE: Enter Earth Occultation 9385		04-026/03:57:31.8
8618	M1O	04-026/04:08:40.1	14	NOTE: Loss Of X-Band Signal		
8619	M1O	04-026/04:08:40.1	25	NOTE: Loss Of X-Band Signal		
8620	M1O	04-026/04:11:34.7		NOTE: Exit Earth Occultation 9385		04-026/04:00:26.4
8621	M1O	04-026/04:11:34.7	14	Acquisition Of X-Band Signal		
8622	M1O	04-026/04:11:34.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8623	M1O	04-026/04:11:34.7	25	Acquisition Of X-Band Signal		
8624	M1O	04-026/04:11:34.7	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8625	M1O	04-026/04:12:06.5	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		
8626	M1O	04-026/04:12:06.5	25	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8627	M1O	04-026/04:16:10.3		NOTE: Exit Planetary Atmosphere 9385		04-026/04:05:02.0
8628	M1O	04-026/04:17:05.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/04:05:57.5
8629	M1O	04-026/04:17:05.8	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		
8630	M1O	04-026/04:17:05.8	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8631	M1O	04-026/04:17:06.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-026/04:05:58.5
8632	M1O	04-026/04:32:27.3		NOTE: Descending Node Crossing 9386		04-026/04:21:19.0
8633	M1O	04-026/05:00:45.6		NOTE: Periapsis 9386 ----------		04-026/04:49:37.1
8634	M1O	04-026/05:01:44.3		NOTE: South Pole Crossing 9386		04-026/04:50:35.8
8635	M1O	04-026/05:29:33.9		NOTE: Enter Solar Eclipse 9386		04-026/05:18:25.3
8636	M1O	04-026/05:31:03.8		NOTE: Ascending Node Crossing 9386		04-026/05:19:55.3
8637	M1O	04-026/05:46:06.8		NOTE: Exit Solar Eclipse 9386		04-026/05:34:58.2
8638	M1O	04-026/05:59:57.7		NOTE: Apoapsis 9386 -		04-026/05:48:49.1
8639	M1O	04-026/06:00:00.0	43	Begin Tracking		
8640	M1O	04-026/06:00:00.0	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		
8641	M1O	04-026/06:01:03.5		NOTE: North Pole Crossing 9386		04-026/05:49:54.9
8642	M1O	04-026/06:02:51.8		NOTE: Enter Planetary Atmosphere 9386		04-026/05:51:43.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8643	M1O	04-026/06:10:00.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
8644	M1O	04-026/06:14:31.3		NOTE: Exit Planetary Atmosphere 9386		04-026/06:03:22.6
8645	M1O	04-026/06:20:00.0	25	Range Modulation Off		
8646	M1O	04-026/06:22:42.4	25	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
8647	M1O	04-026/06:25:00.0	25	X-Band Transmitter Off		
8648	M1O	04-026/06:31:00.9		NOTE: Descending Node Crossing 9387		04-026/06:19:52.2
8649	M1O	04-026/06:36:27.0	25	NOTE: Below Uplink Interlock Limit		
8650	M1O	04-026/06:38:02.0	14	NOTE: Below Uplink Interlock Limit		
8651	M1O	04-026/06:45:00.0	14	End Tracking		
8652	M1O	04-026/06:45:00.0	25	End Tracking		
8653	M1O	04-026/06:46:15.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-026/06:35:06.5
8654	M1O	04-026/06:46:17.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/06:35:08.6
8655	M1O	04-026/06:46:17.4	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		
8656	M1O	04-026/06:46:18.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-026/06:35:09.6
8657	M1O	04-026/06:47:17.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8658	M1O	04-026/06:52:17.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/06:41:08.6
8659	M1O	04-026/06:52:17.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8660	M1O	04-026/06:52:18.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-026/06:41:09.6
8661	M1O	04-026/06:59:26.5		NOTE: Periapsis 9387 ----------		04-026/06:48:17.7
8662	M1O	04-026/07:00:00.0	14	End Post-Cal		
8663	M1O	04-026/07:00:00.0	25	End Post-Cal		
8664	M1O	04-026/07:00:18.4		NOTE: South Pole Crossing 9387		04-026/06:49:09.5
8665	M1O	04-026/07:11:08.8		SPAWN, Engine = 65535, Parameters =	scdiag	04-026/07:00:00.0
8666	M1O	04-026/07:11:09.9		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-026/07:00:01.1
8667	M1O	04-026/07:11:10.9		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-026/07:00:02.1
8668	M1O	04-026/07:12:11.8		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-026/07:01:03.0
8669	M1O	04-026/07:12:12.0		NOTE: Start Block fsw_diag		04-026/07:01:03.2
8670	M1O	04-026/07:12:13.0		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-026/07:01:04.2
8671	M1O	04-026/07:12:14.0		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	04-026/07:01:05.2
8672	M1O	04-026/07:12:25.0		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	04-026/07:01:16.2
8673	M1O	04-026/07:12:55.0		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-026/07:01:46.2
8674	M1O	04-026/07:13:15.1		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-026/07:02:06.2
8675	M1O	04-026/07:13:25.1		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-026/07:02:16.2
8676	M1O	04-026/07:13:45.1		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-026/07:02:36.2
8677	M1O	04-026/07:13:55.1		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-026/07:02:46.2
8678	M1O	04-026/07:14:00.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-026/07:02:51.2
8679	M1O	04-026/07:14:05.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-026/07:02:56.2
8680	M1O	04-026/07:14:10.1		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-026/07:03:01.2
8681	M1O	04-026/07:14:15.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-026/07:03:06.2
8682	M1O	04-026/07:14:20.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-026/07:03:11.2
8683	M1O	04-026/07:15:00.1		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-026/07:03:51.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8684	M1O	04-026/07:15:05.1		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-026/07:03:56.2
8685	M1O	04-026/07:15:10.1		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-026/07:04:01.2
8686	M1O	04-026/07:15:15.1		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-026/07:04:06.2
8687	M1O	04-026/07:15:20.1		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-026/07:04:11.2
8688	M1O	04-026/07:15:21.1		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-026/07:04:12.2
8689	M1O	04-026/07:15:22.1		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-026/07:04:13.2
8690	M1O	04-026/07:15:23.1		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-026/07:04:14.2
8691	M1O	04-026/07:15:34.1		NOTE: End Block fsw_diag.mod		04-026/07:04:25.2
8692	M1O	04-026/07:16:09.9		SPAWN, Engine = 65535, Parameters = 026, 01, FALSE, 00:14:39.734, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-026/07:05:01.0
8693	M1O	04-026/07:16:11.0		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	04-026/07:05:02.1
8694	M1O	04-026/07:16:13.0		CALL, Engine = , Parameters = 254	get_cmd_opt	04-026/07:05:04.1
8695	M1O	04-026/07:16:55.2		CALL, Engine = , Parameters = 254	get_apid	04-026/07:05:46.3
8696	M1O	04-026/07:16:56.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-026/07:05:47.4
8697	M1O	04-026/07:16:56.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-026/07:05:47.6
8698	M1O	04-026/07:16:57.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-026/07:05:48.7
8699	M1O	04-026/07:16:58.9		CALL, Engine = , Parameters = 254	get_coding	04-026/07:05:50.0
8700	M1O	04-026/07:17:00.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-026/07:05:51.2
8701	M1O	04-026/07:17:01.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-026/07:05:52.4
8702	M1O	04-026/07:18:06.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-026/07:06:57.2
8703	M1O	04-026/07:18:07.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-026/07:06:58.2
8704	M1O	04-026/07:18:08.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-026/07:06:59.2
8705	M1O	04-026/07:18:09.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-026/07:07:00.2
8706	M1O	04-026/07:18:10.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-026/07:07:01.2
8707	M1O	04-026/07:18:11.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-026/07:07:02.2
8708	M1O	04-026/07:18:12.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-026/07:07:03.2
8709	M1O	04-026/07:28:08.3		NOTE: Enter Solar Eclipse 9387		04-026/07:16:59.4
8710	M1O	04-026/07:29:38.3		NOTE: Ascending Node Crossing 9387		04-026/07:18:29.3
8711	M1O	04-026/07:32:47.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-026/07:21:38.9
8712	M1O	04-026/07:32:48.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-026/07:21:40.0
8713	M1O	04-026/07:32:58.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-026/07:21:50.0
8714	M1O	04-026/07:32:59.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-026/07:21:51.0
8715	M1O	04-026/07:44:35.7		NOTE: Exit Solar Eclipse 9387		04-026/07:33:26.7
8716	M1O	04-026/07:58:38.9		NOTE: Apoapsis 9387 -		04-026/07:47:29.8
8717	M1O	04-026/07:59:39.2		NOTE: North Pole Crossing 9387		04-026/07:48:30.2
8718	M1O	04-026/08:01:40.8		NOTE: Enter Planetary Atmosphere 9387		04-026/07:50:31.8
8719	M1O	04-026/08:12:56.5		NOTE: Exit Planetary Atmosphere 9387		04-026/08:01:47.4
8720	M1O	04-026/08:18:38.1		SPAWN, Engine = 65535, Parameters = 026, 01, TRUE, 00:19:14, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-026/08:07:29.0
8721	M1O	04-026/08:18:38.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/08:07:29.5
8722	M1O	04-026/08:18:38.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8723	M1O	04-026/08:18:39.2		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	04-026/08:07:30.1
8724	M1O	04-026/08:18:41.2		CALL, Engine = , Parameters = 253	get_cmd_opt	04-026/08:07:32.1
8725	M1O	04-026/08:18:41.5		CALL, Engine = , Parameters = 026, 01, 253	bld_autosw	04-026/08:07:32.4
8726	M1O	04-026/08:18:42.6		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-026/08:07:33.5
8727	M1O	04-026/08:18:43.7		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-026/08:07:34.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/253_doy026_pass01_file01.dat, d:/dat/autoswitch.dat		
8728	M1O	04-026/08:18:44.7		Deletes the designated file.: d:/dat/253_doy026_pass01_file01.dat	FILE_DELETE	04-026/08:07:35.6
8729	M1O	04-026/08:18:45.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:07:36.7
8730	M1O	04-026/08:18:46.8		Deletes the designated file.: d:/dat/253_doy026_pass01_file02.dat	FILE_DELETE	04-026/08:07:37.7
8731	M1O	04-026/08:18:47.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:07:38.8
8732	M1O	04-026/08:18:48.9		Deletes the designated file.: d:/dat/253_doy026_pass01_file03.dat	FILE_DELETE	04-026/08:07:39.8
8733	M1O	04-026/08:18:50.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:07:40.9
8734	M1O	04-026/08:18:51.0		Deletes the designated file.: d:/dat/253_doy026_pass01_file04.dat	FILE_DELETE	04-026/08:07:41.9
8735	M1O	04-026/08:18:52.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:07:43.0
8736	M1O	04-026/08:18:53.1		Deletes the designated file.: d:/dat/253_doy026_pass01_file05.dat	FILE_DELETE	04-026/08:07:44.0
8737	M1O	04-026/08:18:54.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:07:45.1
8738	M1O	04-026/08:18:55.2		Deletes the designated file.: d:/dat/253_doy026_pass01_file06.dat	FILE_DELETE	04-026/08:07:46.1
8739	M1O	04-026/08:18:56.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:07:47.2
8740	M1O	04-026/08:18:57.3		Deletes the designated file.: d:/dat/253_doy026_pass01_file07.dat	FILE_DELETE	04-026/08:07:48.2
8741	M1O	04-026/08:18:58.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:07:49.3
8742	M1O	04-026/08:18:59.4		Deletes the designated file.: d:/dat/253_doy026_pass01_file08.dat	FILE_DELETE	04-026/08:07:50.3
8743	M1O	04-026/08:19:00.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:07:51.4
8744	M1O	04-026/08:19:01.5		Deletes the designated file.: d:/dat/253_doy026_pass01_file09.dat	FILE_DELETE	04-026/08:07:52.4
8745	M1O	04-026/08:19:02.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:07:53.5
8746	M1O	04-026/08:19:03.6		Deletes the designated file.: d:/dat/253_doy026_pass01_file10.dat	FILE_DELETE	04-026/08:07:54.5
8747	M1O	04-026/08:19:04.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:07:55.6
8748	M1O	04-026/08:19:05.7		Deletes the designated file.: d:/dat/253_doy026_pass01_file11.dat	FILE_DELETE	04-026/08:07:56.6
8749	M1O	04-026/08:19:06.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:07:57.7
8750	M1O	04-026/08:19:07.8		Deletes the designated file.: d:/dat/253_doy026_pass01_file12.dat	FILE_DELETE	04-026/08:07:58.7
8751	M1O	04-026/08:19:08.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:07:59.8
8752	M1O	04-026/08:19:09.9		Deletes the designated file.: d:/dat/253_doy026_pass01_file13.dat	FILE_DELETE	04-026/08:08:00.8
8753	M1O	04-026/08:19:11.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:08:01.9
8754	M1O	04-026/08:19:12.0		Deletes the designated file.: d:/dat/253_doy026_pass01_file14.dat	FILE_DELETE	04-026/08:08:02.9
8755	M1O	04-026/08:19:13.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:08:04.0
8756	M1O	04-026/08:19:14.1		Deletes the designated file.: d:/dat/253_doy026_pass01_file15.dat	FILE_DELETE	04-026/08:08:05.0
8757	M1O	04-026/08:19:15.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:08:06.1
8758	M1O	04-026/08:19:16.2		Deletes the designated file.: d:/dat/253_doy026_pass01_file16.dat	FILE_DELETE	04-026/08:08:07.1
8759	M1O	04-026/08:19:17.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:08:08.2
8760	M1O	04-026/08:19:18.3		Deletes the designated file.: d:/dat/253_doy026_pass01_file17.dat	FILE_DELETE	04-026/08:08:09.2
8761	M1O	04-026/08:19:19.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/08:08:10.3
8762	M1O	04-026/08:19:20.4		Deletes the designated file.: d:/dat/253_doy026_pass01_file18.dat	FILE_DELETE	04-026/08:08:11.3
8763	M1O	04-026/08:19:21.5		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-026/08:08:12.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/253_doy026_pass01_file19.dat, d:/dat/autoswitch.dat		
8764	M1O	04-026/08:19:22.5		Deletes the designated file.: d:/dat/253_doy026_pass01_file19.dat	FILE_DELETE	04-026/08:08:13.4
8765	M1O	04-026/08:19:23.5		CALL, Engine = , Parameters = 253	get_apid	04-026/08:08:14.4
8766	M1O	04-026/08:19:24.6		CALL, Engine = , Parameters = 253	get_rcv_mode	04-026/08:08:15.5
8767	M1O	04-026/08:19:24.8		CALL, Engine = , Parameters = 253	get_dl_rate	04-026/08:08:15.7
8768	M1O	04-026/08:19:25.9		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-026/08:08:16.8
8769	M1O	04-026/08:19:27.2		CALL, Engine = , Parameters = 253	get_coding	04-026/08:08:18.1
8770	M1O	04-026/08:19:28.4		CALL, Engine = , Parameters = 253	get_xmt_mode	04-026/08:08:19.3
8771	M1O	04-026/08:19:29.6		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-026/08:08:20.5
8772	M1O	04-026/08:20:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8773	M1O	04-026/08:20:34.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-026/08:09:25.3
8774	M1O	04-026/08:20:35.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-026/08:09:26.3
8775	M1O	04-026/08:20:36.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-026/08:09:27.3
8776	M1O	04-026/08:20:37.4		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-026/08:09:28.3
8777	M1O	04-026/08:20:38.4		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-026/08:09:29.3
8778	M1O	04-026/08:20:39.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-026/08:09:30.3
8779	M1O	04-026/08:20:40.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-026/08:09:31.3
8780	M1O	04-026/08:22:30.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/08:11:21.3
8781	M1O	04-026/08:22:40.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-026/08:11:31.3
8782	M1O	04-026/08:25:00.0	43	Range Modulation On: SUP=3.0dB		
8783	M1O	04-026/08:26:00.0	43	Begin Ranging Acquisition		
8784	M1O	04-026/08:29:37.9		NOTE: Descending Node Crossing 9388		04-026/08:18:28.8
8785	M1O	04-026/08:39:52.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-026/08:28:43.3
8786	M1O	04-026/08:39:53.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-026/08:28:44.4
8787	M1O	04-026/08:40:03.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-026/08:28:54.4
8788	M1O	04-026/08:40:04.5		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	04-026/08:28:55.4
8789	M1O	04-026/08:40:05.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-026/08:28:56.4
8790	M1O	04-026/08:40:05.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8791	M1O	04-026/08:40:06.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-026/08:28:57.4
8792	M1O	04-026/08:41:15.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-026/08:30:06.5
8793	M1O	04-026/08:41:17.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/08:30:08.6
8794	M1O	04-026/08:41:18.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-026/08:30:09.6
8795	M1O	04-026/08:42:18.2	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8796	M1O	04-026/08:47:17.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/08:36:08.6
8797	M1O	04-026/08:47:17.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8798	M1O	04-026/08:47:18.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-026/08:36:09.6
8799	M1O	04-026/08:58:08.1		NOTE: Periapsis 9388 ----------		04-026/08:46:58.9
8800	M1O	04-026/08:58:55.2		NOTE: South Pole Crossing 9388		04-026/08:47:46.0
8801	M1O	04-026/09:11:58.2		SPAWN, Engine = 65535, Parameters = 026, 02, TRUE, 00:18:18, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-026/09:00:49.0
8802	M1O	04-026/09:11:58.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/09:00:49.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8803	M1O	04-026/09:11:58.7	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8804	M1O	04-026/09:11:59.3		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	04-026/09:00:50.1
8805	M1O	04-026/09:12:01.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-026/09:00:52.1
8806	M1O	04-026/09:12:01.6		CALL, Engine = , Parameters = 026, 02, 254	bld_autosw	04-026/09:00:52.4
8807	M1O	04-026/09:12:02.7		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	04-026/09:00:53.5
8808	M1O	04-026/09:12:03.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:00:54.6
8809	M1O	04-026/09:12:04.8		Deletes the designated file.: d:/dat/254_doy026_pass02_file01.dat	FILE_DELETE	04-026/09:00:55.6
8810	M1O	04-026/09:12:05.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:00:56.7
8811	M1O	04-026/09:12:06.9		Deletes the designated file.: d:/dat/254_doy026_pass02_file02.dat	FILE_DELETE	04-026/09:00:57.7
8812	M1O	04-026/09:12:08.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:00:58.8
8813	M1O	04-026/09:12:09.0		Deletes the designated file.: d:/dat/254_doy026_pass02_file03.dat	FILE_DELETE	04-026/09:00:59.8
8814	M1O	04-026/09:12:10.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:00.9
8815	M1O	04-026/09:12:11.1		Deletes the designated file.: d:/dat/254_doy026_pass02_file04.dat	FILE_DELETE	04-026/09:01:01.9
8816	M1O	04-026/09:12:12.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:03.0
8817	M1O	04-026/09:12:13.2		Deletes the designated file.: d:/dat/254_doy026_pass02_file05.dat	FILE_DELETE	04-026/09:01:04.0
8818	M1O	04-026/09:12:14.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:05.1
8819	M1O	04-026/09:12:15.3		Deletes the designated file.: d:/dat/254_doy026_pass02_file06.dat	FILE_DELETE	04-026/09:01:06.1
8820	M1O	04-026/09:12:16.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:07.2
8821	M1O	04-026/09:12:17.4		Deletes the designated file.: d:/dat/254_doy026_pass02_file07.dat	FILE_DELETE	04-026/09:01:08.2
8822	M1O	04-026/09:12:18.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:09.3
8823	M1O	04-026/09:12:19.5		Deletes the designated file.: d:/dat/254_doy026_pass02_file08.dat	FILE_DELETE	04-026/09:01:10.3
8824	M1O	04-026/09:12:20.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:11.4
8825	M1O	04-026/09:12:21.6		Deletes the designated file.: d:/dat/254_doy026_pass02_file09.dat	FILE_DELETE	04-026/09:01:12.4
8826	M1O	04-026/09:12:22.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:13.5
8827	M1O	04-026/09:12:23.7		Deletes the designated file.: d:/dat/254_doy026_pass02_file10.dat	FILE_DELETE	04-026/09:01:14.5
8828	M1O	04-026/09:12:24.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:15.6
8829	M1O	04-026/09:12:25.8		Deletes the designated file.: d:/dat/254_doy026_pass02_file11.dat	FILE_DELETE	04-026/09:01:16.6
8830	M1O	04-026/09:12:26.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:17.7
8831	M1O	04-026/09:12:27.9		Deletes the designated file.: d:/dat/254_doy026_pass02_file12.dat	FILE_DELETE	04-026/09:01:18.7
8832	M1O	04-026/09:12:29.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:19.8
8833	M1O	04-026/09:12:30.0		Deletes the designated file.: d:/dat/254_doy026_pass02_file13.dat	FILE_DELETE	04-026/09:01:20.8
8834	M1O	04-026/09:12:31.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:21.9
8835	M1O	04-026/09:12:32.1		Deletes the designated file.: d:/dat/254_doy026_pass02_file14.dat	FILE_DELETE	04-026/09:01:22.9
8836	M1O	04-026/09:12:33.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:24.0
8837	M1O	04-026/09:12:34.2		Deletes the designated file.: d:/dat/254_doy026_pass02_file15.dat	FILE_DELETE	04-026/09:01:25.0
8838	M1O	04-026/09:12:35.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:26.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8839	M1O	04-026/09:12:36.3		Deletes the designated file.: d:/dat/254_doy026_pass02_file16.dat	FILE_DELETE	04-026/09:01:27.1
8840	M1O	04-026/09:12:37.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:28.2
8841	M1O	04-026/09:12:38.4		Deletes the designated file.: d:/dat/254_doy026_pass02_file17.dat	FILE_DELETE	04-026/09:01:29.2
8842	M1O	04-026/09:12:39.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:30.3
8843	M1O	04-026/09:12:40.5		Deletes the designated file.: d:/dat/254_doy026_pass02_file18.dat	FILE_DELETE	04-026/09:01:31.3
8844	M1O	04-026/09:12:41.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/09:01:32.4
8845	M1O	04-026/09:12:42.6		Deletes the designated file.: d:/dat/254_doy026_pass02_file19.dat	FILE_DELETE	04-026/09:01:33.4
8846	M1O	04-026/09:12:43.6		CALL, Engine = , Parameters = 254	get_apid	04-026/09:01:34.4
8847	M1O	04-026/09:12:44.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-026/09:01:35.5
8848	M1O	04-026/09:12:44.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-026/09:01:35.7
8849	M1O	04-026/09:12:46.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-026/09:01:36.8
8850	M1O	04-026/09:12:47.3		CALL, Engine = , Parameters = 254	get_coding	04-026/09:01:38.1
8851	M1O	04-026/09:12:48.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-026/09:01:39.3
8852	M1O	04-026/09:12:49.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-026/09:01:40.5
8853	M1O	04-026/09:13:54.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-026/09:02:45.3
8854	M1O	04-026/09:13:55.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-026/09:02:46.3
8855	M1O	04-026/09:13:56.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-026/09:02:47.3
8856	M1O	04-026/09:13:57.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-026/09:02:48.3
8857	M1O	04-026/09:13:58.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-026/09:02:49.3
8858	M1O	04-026/09:13:59.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-026/09:02:50.3
8859	M1O	04-026/09:14:00.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-026/09:02:51.3
8860	M1O	04-026/09:15:50.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/09:04:41.3
8861	M1O	04-026/09:16:00.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-026/09:04:51.3
8862	M1O	04-026/09:26:44.1		NOTE: Enter Solar Eclipse 9388		04-026/09:15:34.8
8863	M1O	04-026/09:28:14.7		NOTE: Ascending Node Crossing 9388		04-026/09:17:05.4
8864	M1O	04-026/09:32:16.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-026/09:21:07.3
8865	M1O	04-026/09:32:17.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-026/09:21:08.4
8866	M1O	04-026/09:32:27.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-026/09:21:18.4
8867	M1O	04-026/09:32:28.7		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	04-026/09:21:19.4
8868	M1O	04-026/09:32:29.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-026/09:21:20.4
8869	M1O	04-026/09:32:29.7	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8870	M1O	04-026/09:32:30.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-026/09:21:21.4
8871	M1O	04-026/09:37:29.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/09:26:20.0
8872	M1O	04-026/09:37:29.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8873	M1O	04-026/09:43:09.8		NOTE: Exit Solar Eclipse 9388		04-026/09:32:00.4
8874	M1O	04-026/09:57:06.8		NOTE: Apoapsis 9388 -		04-026/09:45:57.3
8875	M1O	04-026/09:58:15.9		NOTE: North Pole Crossing 9388		04-026/09:47:06.4
8876	M1O	04-026/10:00:20.6		NOTE: Enter Planetary Atmosphere 9388		04-026/09:49:11.1
8877	M1O	04-026/10:11:31.1		NOTE: Exit Planetary Atmosphere 9388		04-026/10:00:21.6
8878	M1O	04-026/10:20:00.0	63	Begin Pre-Cal		
8879	M1O	04-026/10:20:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8880	M1O	04-026/10:20:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8881	M1O	04-026/10:20:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8882	M1O	04-026/10:20:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8883	M1O	04-026/10:20:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
8884	M1O	04-026/10:20:00.0	63	Config: RCV: Parms:		
8885	M1O	04-026/10:20:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8886	M1O	04-026/10:20:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
8887	M1O	04-026/10:20:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8888	M1O	04-026/10:21:16.4		SPAWN, Engine = 65535, Parameters = 026, 02, FALSE, 00:08:45.382, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-026/10:10:07.0
8889	M1O	04-026/10:21:17.5		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	04-026/10:10:08.1
8890	M1O	04-026/10:21:19.5		CALL, Engine = , Parameters = 253	get_cmd_opt	04-026/10:10:10.1
8891	M1O	04-026/10:22:01.8		CALL, Engine = , Parameters = 253	get_apid	04-026/10:10:52.3
8892	M1O	04-026/10:22:02.9		CALL, Engine = , Parameters = 253	get_rcv_mode	04-026/10:10:53.4
8893	M1O	04-026/10:22:03.1		CALL, Engine = , Parameters = 253	get_dl_rate	04-026/10:10:53.6
8894	M1O	04-026/10:22:04.2		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-026/10:10:54.7
8895	M1O	04-026/10:22:05.5		CALL, Engine = , Parameters = 253	get_coding	04-026/10:10:56.0
8896	M1O	04-026/10:22:06.7		CALL, Engine = , Parameters = 253	get_xmt_mode	04-026/10:10:57.2
8897	M1O	04-026/10:22:07.9		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-026/10:10:58.4
8898	M1O	04-026/10:23:12.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-026/10:12:03.2
8899	M1O	04-026/10:23:13.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-026/10:12:04.2
8900	M1O	04-026/10:23:14.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-026/10:12:05.2
8901	M1O	04-026/10:23:15.7		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-026/10:12:06.2
8902	M1O	04-026/10:23:16.7		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-026/10:12:07.2
8903	M1O	04-026/10:23:17.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-026/10:12:08.2
8904	M1O	04-026/10:23:18.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-026/10:12:09.2
8905	M1O	04-026/10:28:14.7		NOTE: Descending Node Crossing 9389		04-026/10:17:05.2
8906	M1O	04-026/10:32:00.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-026/10:20:50.5
8907	M1O	04-026/10:32:01.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-026/10:20:51.6
8908	M1O	04-026/10:32:11.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-026/10:21:01.6
8909	M1O	04-026/10:32:12.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-026/10:21:02.6
8910	M1O	04-026/10:56:39.2		NOTE: Periapsis 9389 ----------		04-026/10:45:29.6
8911	M1O	04-026/10:57:32.1		NOTE: South Pole Crossing 9389		04-026/10:46:22.4
8912	M1O	04-026/11:25:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
8913	M1O	04-026/11:25:21.2		NOTE: Enter Solar Eclipse 9389		04-026/11:14:11.5
8914	M1O	04-026/11:26:51.5		NOTE: Ascending Node Crossing 9389		04-026/11:15:41.8
8915	M1O	04-026/11:35:00.0	63	Begin Tracking		
8916	M1O	04-026/11:35:00.0	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		
8917	M1O	04-026/11:35:00.0	43	Range Modulation Off		
8918	M1O	04-026/11:37:40.4	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
8919	M1O	04-026/11:40:00.0	43	X-Band Transmitter Off		
8920	M1O	04-026/11:41:47.7		NOTE: Exit Solar Eclipse 9389		04-026/11:30:37.9
8921	M1O	04-026/11:47:01.0	63	NOTE: Above Uplink Interlock Limit		
8922	M1O	04-026/11:54:10.0	43	NOTE: Below Uplink Interlock Limit		
8923	M1O	04-026/11:55:23.3		NOTE: Apoapsis 9389 -		04-026/11:44:13.5
8924	M1O	04-026/11:56:16.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-026/11:45:06.7
8925	M1O	04-026/11:56:18.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/11:45:08.8
8926	M1O	04-026/11:56:18.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8927	M1O	04-026/11:56:18.6	63	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		
8928	M1O	04-026/11:56:19.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-026/11:45:09.8
8929	M1O	04-026/11:56:51.9		NOTE: North Pole Crossing 9389		04-026/11:45:42.1
8930	M1O	04-026/11:58:49.6		NOTE: Enter Planetary Atmosphere 9389		04-026/11:47:39.7
8931	M1O	04-026/12:00:00.0	43	End Tracking		
8932	M1O	04-026/12:02:18.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/11:51:08.8
8933	M1O	04-026/12:02:18.6	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		
8934	M1O	04-026/12:02:19.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/11:51:09.3
8935	M1O	04-026/12:02:19.1	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		
8936	M1O	04-026/12:02:19.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8937	M1O	04-026/12:02:19.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-026/11:51:09.8
8938	M1O	04-026/12:07:19.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/11:56:10.0
8939	M1O	04-026/12:07:19.8	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8940	M1O	04-026/12:10:12.8		NOTE: Exit Planetary Atmosphere 9389		04-026/11:59:03.0
8941	M1O	04-026/12:15:00.0	43	End Post-Cal		
8942	M1O	04-026/12:26:49.7		NOTE: Descending Node Crossing 9390		04-026/12:15:39.8
8943	M1O	04-026/12:55:14.2		NOTE: Periapsis 9390 ----------		04-026/12:44:04.2
8944	M1O	04-026/12:56:07.0		NOTE: South Pole Crossing 9390		04-026/12:44:57.0
8945	M1O	04-026/13:19:25.0		SPAWN, Engine = 65535, Parameters = 026, 03, FALSE, 00:17:23.778, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-026/13:08:15.0
8946	M1O	04-026/13:19:26.1		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	04-026/13:08:16.1
8947	M1O	04-026/13:19:28.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-026/13:08:18.1
8948	M1O	04-026/13:20:10.3		CALL, Engine = , Parameters = 56	get_apid	04-026/13:09:00.3
8949	M1O	04-026/13:20:11.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-026/13:09:01.4
8950	M1O	04-026/13:20:11.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-026/13:09:01.6
8951	M1O	04-026/13:20:12.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-026/13:09:02.7
8952	M1O	04-026/13:20:13.9		CALL, Engine = , Parameters = 56	get_coding	04-026/13:09:03.9
8953	M1O	04-026/13:20:15.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-026/13:09:05.1
8954	M1O	04-026/13:20:16.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-026/13:09:06.3
8955	M1O	04-026/13:21:21.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-026/13:10:11.1
8956	M1O	04-026/13:21:22.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-026/13:10:12.1
8957	M1O	04-026/13:21:23.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-026/13:10:13.1
8958	M1O	04-026/13:21:24.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-026/13:10:14.1
8959	M1O	04-026/13:21:25.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-026/13:10:15.1
8960	M1O	04-026/13:21:26.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-026/13:10:16.1
8961	M1O	04-026/13:21:27.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-026/13:10:17.1
8962	M1O	04-026/13:23:55.8		NOTE: Enter Solar Eclipse 9390		04-026/13:12:45.7
8963	M1O	04-026/13:25:26.4		NOTE: Ascending Node Crossing 9390		04-026/13:14:16.3
8964	M1O	04-026/13:38:47.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-026/13:27:36.8
8965	M1O	04-026/13:38:48.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-026/13:27:37.9
8966	M1O	04-026/13:38:58.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-026/13:27:47.9
8967	M1O	04-026/13:38:59.1		Passes the specified amount of data, data size parameter, through the PACI interface.:	GRS_PASS_THROUGH	04-026/13:27:48.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000		
8968	M1O	04-026/13:40:26.0		NOTE: Exit Solar Eclipse 9390		04-026/13:29:15.9
8969	M1O	04-026/13:53:56.7		NOTE: Apoapsis 9390 -		04-026/13:42:46.5
8970	M1O	04-026/13:55:25.6		NOTE: North Pole Crossing 9390		04-026/13:44:15.4
8971	M1O	04-026/13:57:13.2		NOTE: Enter Planetary Atmosphere 9390		04-026/13:46:03.0
8972	M1O	04-026/14:08:52.9		NOTE: Exit Planetary Atmosphere 9390		04-026/13:57:42.7
8973	M1O	04-026/14:25:22.2		NOTE: Descending Node Crossing 9391		04-026/14:14:11.9
8974	M1O	04-026/14:53:46.9		NOTE: Periapsis 9391 ----------		04-026/14:42:36.5
8975	M1O	04-026/14:54:39.0		NOTE: South Pole Crossing 9391		04-026/14:43:28.6
8976	M1O	04-026/15:16:56.4		SPAWN, Engine = 65535, Parameters = 026, 04, FALSE, 00:17:02.758, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-026/15:05:46.0
8977	M1O	04-026/15:16:57.5		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	04-026/15:05:47.1
8978	M1O	04-026/15:16:59.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-026/15:05:49.1
8979	M1O	04-026/15:17:41.7		CALL, Engine = , Parameters = 56	get_apid	04-026/15:06:31.3
8980	M1O	04-026/15:17:42.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-026/15:06:32.4
8981	M1O	04-026/15:17:43.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-026/15:06:32.6
8982	M1O	04-026/15:17:44.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-026/15:06:33.7
8983	M1O	04-026/15:17:45.3		CALL, Engine = , Parameters = 56	get_coding	04-026/15:06:34.9
8984	M1O	04-026/15:17:46.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-026/15:06:36.1
8985	M1O	04-026/15:17:47.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-026/15:06:37.3
8986	M1O	04-026/15:18:52.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-026/15:07:42.1
8987	M1O	04-026/15:18:53.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-026/15:07:43.1
8988	M1O	04-026/15:18:54.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-026/15:07:44.1
8989	M1O	04-026/15:18:55.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-026/15:07:45.1
8990	M1O	04-026/15:18:56.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-026/15:07:46.1
8991	M1O	04-026/15:18:57.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-026/15:07:47.1
8992	M1O	04-026/15:18:58.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-026/15:07:48.1
8993	M1O	04-026/15:22:26.8		NOTE: Enter Solar Eclipse 9391		04-026/15:11:16.3
8994	M1O	04-026/15:23:58.0		NOTE: Ascending Node Crossing 9391		04-026/15:12:47.5
8995	M1O	04-026/15:35:57.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-026/15:24:46.8
8996	M1O	04-026/15:35:58.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-026/15:24:47.9
8997	M1O	04-026/15:36:08.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-026/15:24:57.9
8998	M1O	04-026/15:36:09.4		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	04-026/15:24:58.9
8999	M1O	04-026/15:38:58.6		NOTE: Exit Solar Eclipse 9391		04-026/15:27:48.1
9000	M1O	04-026/15:52:35.1		NOTE: Apoapsis 9391 -		04-026/15:41:24.6
9001	M1O	04-026/15:53:57.1		NOTE: North Pole Crossing 9391		04-026/15:42:46.5
9002	M1O	04-026/15:55:42.5		NOTE: Enter Planetary Atmosphere 9391		04-026/15:44:31.9
9003	M1O	04-026/16:07:24.8		NOTE: Exit Planetary Atmosphere 9391		04-026/15:56:14.2
9004	M1O	04-026/16:23:53.6		NOTE: Descending Node Crossing 9392		04-026/16:12:43.0
9005	M1O	04-026/16:52:05.9		NOTE: Periapsis 9392 ----------		04-026/16:40:55.1
9006	M1O	04-026/16:53:09.6		NOTE: South Pole Crossing 9392		04-026/16:41:58.8
9007	M1O	04-026/17:00:00.0	55	Begin Pre-Cal		
9008	M1O	04-026/17:00:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
9009	M1O	04-026/17:00:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9010	M1O	04-026/17:00:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9011	M1O	04-026/17:00:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
9012	M1O	04-026/17:00:00.0	55	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
9013	M1O	04-026/17:00:00.0	55	Config: RCV: Parms:		
9014	M1O	04-026/17:00:00.0	55	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9015	M1O	04-026/17:00:00.0	55	Config: TGC: BAND=X, SR=221200.000000		
9016	M1O	04-026/17:00:00.0	55	Config: TXL		
9017	M1O	04-026/17:00:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
9018	M1O	04-026/17:00:00.0	55	Config: CMD		
9019	M1O	04-026/17:00:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
9020	M1O	04-026/17:20:58.7		NOTE: Enter Solar Eclipse 9392		04-026/17:09:47.9
9021	M1O	04-026/17:22:28.4		NOTE: Ascending Node Crossing 9392		04-026/17:11:17.5
9022	M1O	04-026/17:30:00.0	55	Begin Tracking		
9023	M1O	04-026/17:30:00.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9024	M1O	04-026/17:31:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9025	M1O	04-026/17:36:00.0	55	Range Modulation On: SUP=3.0dB		
9026	M1O	04-026/17:37:00.0	55	Begin Ranging Acquisition		
9027	M1O	04-026/17:37:23.1		NOTE: Exit Solar Eclipse 9392		04-026/17:26:12.2
9028	M1O	04-026/17:50:55.1		NOTE: Apoapsis 9392 -		04-026/17:39:44.2
9029	M1O	04-026/17:52:18.6		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-026/17:41:07.7
9030	M1O	04-026/17:52:20.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/17:41:09.8
9031	M1O	04-026/17:52:20.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9032	M1O	04-026/17:52:20.7	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9033	M1O	04-026/17:52:21.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-026/17:41:10.8
9034	M1O	04-026/17:52:28.7		NOTE: North Pole Crossing 9392		04-026/17:41:17.8
9035	M1O	04-026/17:53:21.7	63	Acquire D/L: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9036	M1O	04-026/17:53:21.7	55	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9037	M1O	04-026/17:54:26.6		NOTE: Enter Planetary Atmosphere 9392		04-026/17:43:15.7
9038	M1O	04-026/17:58:20.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/17:47:09.8
9039	M1O	04-026/17:58:20.7	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		
9040	M1O	04-026/17:58:20.7	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9041	M1O	04-026/17:58:21.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-026/17:47:10.8
9042	M1O	04-026/18:05:46.8		NOTE: Exit Planetary Atmosphere 9392		04-026/17:54:35.8
9043	M1O	04-026/18:22:26.3		NOTE: Descending Node Crossing 9393		04-026/18:11:15.2
9044	M1O	04-026/18:50:26.3		NOTE: Periapsis 9393 ----------		04-026/18:39:15.2
9045	M1O	04-026/18:51:43.1		NOTE: South Pole Crossing 9393		04-026/18:40:31.9
9046	M1O	04-026/19:16:01.2		SPAWN, Engine = 65535, Parameters = 026, 03, FALSE, 00:07:17.044, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-026/19:04:50.0
9047	M1O	04-026/19:16:02.3		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	04-026/19:04:51.1
9048	M1O	04-026/19:16:04.3		CALL, Engine = , Parameters = 253	get_cmd_opt	04-026/19:04:53.1
9049	M1O	04-026/19:16:46.5		CALL, Engine = , Parameters = 253	get_apid	04-026/19:05:35.3
9050	M1O	04-026/19:16:47.6		CALL, Engine = , Parameters = 253	get_rcv_mode	04-026/19:05:36.4
9051	M1O	04-026/19:16:47.8		CALL, Engine = , Parameters = 253	get_dl_rate	04-026/19:05:36.6
9052	M1O	04-026/19:16:48.9		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-026/19:05:37.7
9053	M1O	04-026/19:16:50.2		CALL, Engine = , Parameters = 253	get_coding	04-026/19:05:39.0
9054	M1O	04-026/19:16:51.4		CALL, Engine = , Parameters = 253	get_xmt_mode	04-026/19:05:40.2
9055	M1O	04-026/19:16:52.6		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-026/19:05:41.4
9056	M1O	04-026/19:17:57.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-026/19:06:46.2
9057	M1O	04-026/19:17:58.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-026/19:06:47.2
9058	M1O	04-026/19:17:59.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-026/19:06:48.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9059	M1O	04-026/19:18:00.4		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-026/19:06:49.2
9060	M1O	04-026/19:18:01.4		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-026/19:06:50.2
9061	M1O	04-026/19:18:02.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-026/19:06:51.2
9062	M1O	04-026/19:18:03.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-026/19:06:52.2
9063	M1O	04-026/19:19:36.3		NOTE: Enter Solar Eclipse 9393		04-026/19:08:25.1
9064	M1O	04-026/19:21:03.1		NOTE: Ascending Node Crossing 9393		04-026/19:09:51.9
9065	M1O	04-026/19:25:16.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-026/19:14:05.2
9066	M1O	04-026/19:25:17.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-026/19:14:06.3
9067	M1O	04-026/19:25:27.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-026/19:14:16.3
9068	M1O	04-026/19:25:28.5		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	04-026/19:14:17.3
9069	M1O	04-026/19:35:52.1		NOTE: Exit Solar Eclipse 9393		04-026/19:24:40.9
9070	M1O	04-026/19:49:23.5		NOTE: Apoapsis 9393 -		04-026/19:38:12.2
9071	M1O	04-026/19:51:03.8		NOTE: North Pole Crossing 9393		04-026/19:39:52.5
9072	M1O	04-026/19:53:12.1		NOTE: Enter Planetary Atmosphere 9393		04-026/19:42:00.8
9073	M1O	04-026/20:04:13.0		NOTE: Exit Planetary Atmosphere 9393		04-026/19:53:01.6
9074	M1O	04-026/20:14:47.3		SPAWN, Engine = 65535, Parameters = 026, 03, TRUE, 00:18:31, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-026/20:03:36.0
9075	M1O	04-026/20:14:47.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/20:03:36.5
9076	M1O	04-026/20:14:47.8	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		
9077	M1O	04-026/20:14:47.8	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9078	M1O	04-026/20:14:48.4		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	04-026/20:03:37.1
9079	M1O	04-026/20:14:50.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-026/20:03:39.1
9080	M1O	04-026/20:14:50.7		CALL, Engine = , Parameters = 026, 03, 254	bld_autosw	04-026/20:03:39.4
9081	M1O	04-026/20:14:51.8		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-026/20:03:40.5
9082	M1O	04-026/20:14:52.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:03:41.6
9083	M1O	04-026/20:14:53.9		Deletes the designated file.: d:/dat/254_doy026_pass03_file01.dat	FILE_DELETE	04-026/20:03:42.6
9084	M1O	04-026/20:14:55.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:03:43.7
9085	M1O	04-026/20:14:56.0		Deletes the designated file.: d:/dat/254_doy026_pass03_file02.dat	FILE_DELETE	04-026/20:03:44.7
9086	M1O	04-026/20:14:57.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:03:45.8
9087	M1O	04-026/20:14:58.1		Deletes the designated file.: d:/dat/254_doy026_pass03_file03.dat	FILE_DELETE	04-026/20:03:46.8
9088	M1O	04-026/20:14:59.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:03:47.9
9089	M1O	04-026/20:15:00.2		Deletes the designated file.: d:/dat/254_doy026_pass03_file04.dat	FILE_DELETE	04-026/20:03:48.9
9090	M1O	04-026/20:15:01.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:03:50.0
9091	M1O	04-026/20:15:02.3		Deletes the designated file.: d:/dat/254_doy026_pass03_file05.dat	FILE_DELETE	04-026/20:03:51.0
9092	M1O	04-026/20:15:03.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:03:52.1
9093	M1O	04-026/20:15:04.4		Deletes the designated file.: d:/dat/254_doy026_pass03_file06.dat	FILE_DELETE	04-026/20:03:53.1
9094	M1O	04-026/20:15:05.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:03:54.2
9095	M1O	04-026/20:15:06.5		Deletes the designated file.: d:/dat/254_doy026_pass03_file07.dat	FILE_DELETE	04-026/20:03:55.2
9096	M1O	04-026/20:15:07.6		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-026/20:03:56.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy026_pass03_file08.dat, d:/dat/autoswitch.dat		
9097	M1O	04-026/20:15:08.6		Deletes the designated file.: d:/dat/254_doy026_pass03_file08.dat	FILE_DELETE	04-026/20:03:57.3
9098	M1O	04-026/20:15:09.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:03:58.4
9099	M1O	04-026/20:15:10.7		Deletes the designated file.: d:/dat/254_doy026_pass03_file09.dat	FILE_DELETE	04-026/20:03:59.4
9100	M1O	04-026/20:15:11.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:04:00.5
9101	M1O	04-026/20:15:12.8		Deletes the designated file.: d:/dat/254_doy026_pass03_file10.dat	FILE_DELETE	04-026/20:04:01.5
9102	M1O	04-026/20:15:13.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:04:02.6
9103	M1O	04-026/20:15:14.9		Deletes the designated file.: d:/dat/254_doy026_pass03_file11.dat	FILE_DELETE	04-026/20:04:03.6
9104	M1O	04-026/20:15:16.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:04:04.7
9105	M1O	04-026/20:15:17.0		Deletes the designated file.: d:/dat/254_doy026_pass03_file12.dat	FILE_DELETE	04-026/20:04:05.7
9106	M1O	04-026/20:15:18.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:04:06.8
9107	M1O	04-026/20:15:19.1		Deletes the designated file.: d:/dat/254_doy026_pass03_file13.dat	FILE_DELETE	04-026/20:04:07.8
9108	M1O	04-026/20:15:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:04:08.9
9109	M1O	04-026/20:15:21.2		Deletes the designated file.: d:/dat/254_doy026_pass03_file14.dat	FILE_DELETE	04-026/20:04:09.9
9110	M1O	04-026/20:15:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:04:11.0
9111	M1O	04-026/20:15:23.3		Deletes the designated file.: d:/dat/254_doy026_pass03_file15.dat	FILE_DELETE	04-026/20:04:12.0
9112	M1O	04-026/20:15:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:04:13.1
9113	M1O	04-026/20:15:25.4		Deletes the designated file.: d:/dat/254_doy026_pass03_file16.dat	FILE_DELETE	04-026/20:04:14.1
9114	M1O	04-026/20:15:26.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:04:15.2
9115	M1O	04-026/20:15:27.5		Deletes the designated file.: d:/dat/254_doy026_pass03_file17.dat	FILE_DELETE	04-026/20:04:16.2
9116	M1O	04-026/20:15:28.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:04:17.3
9117	M1O	04-026/20:15:29.6		Deletes the designated file.: d:/dat/254_doy026_pass03_file18.dat	FILE_DELETE	04-026/20:04:18.3
9118	M1O	04-026/20:15:30.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy026_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:04:19.4
9119	M1O	04-026/20:15:31.7		Deletes the designated file.: d:/dat/254_doy026_pass03_file19.dat	FILE_DELETE	04-026/20:04:20.4
9120	M1O	04-026/20:15:32.7		CALL, Engine = , Parameters = 254	get_apid	04-026/20:04:21.4
9121	M1O	04-026/20:15:33.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-026/20:04:22.5
9122	M1O	04-026/20:15:34.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-026/20:04:22.7
9123	M1O	04-026/20:15:35.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-026/20:04:23.8
9124	M1O	04-026/20:15:36.4		CALL, Engine = , Parameters = 254	get_coding	04-026/20:04:25.1
9125	M1O	04-026/20:15:37.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-026/20:04:26.3
9126	M1O	04-026/20:15:38.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-026/20:04:27.5
9127	M1O	04-026/20:16:43.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-026/20:05:32.3
9128	M1O	04-026/20:16:44.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-026/20:05:33.3
9129	M1O	04-026/20:16:45.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-026/20:05:34.3
9130	M1O	04-026/20:16:46.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-026/20:05:35.3
9131	M1O	04-026/20:16:47.6		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-026/20:05:36.3
9132	M1O	04-026/20:16:48.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-026/20:05:37.3
9133	M1O	04-026/20:16:49.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-026/20:05:38.3
9134	M1O	04-026/20:18:39.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/20:07:28.3
9135	M1O	04-026/20:18:49.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data	DOWNLINK_MODE	04-026/20:07:38.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				stream.: RELAY_CMD		
9136	M1O	04-026/20:21:01.5		NOTE: Descending Node Crossing 9394		04-026/20:09:50.1
9137	M1O	04-026/20:35:00.0	14	Begin Pre-Cal		
9138	M1O	04-026/20:35:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
9139	M1O	04-026/20:35:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9140	M1O	04-026/20:35:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9141	M1O	04-026/20:35:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
9142	M1O	04-026/20:35:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
9143	M1O	04-026/20:35:00.0	14	Config: RCV: Parms:		
9144	M1O	04-026/20:35:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
9145	M1O	04-026/20:35:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
9146	M1O	04-026/20:35:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
9147	M1O	04-026/20:35:18.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-026/20:24:07.3
9148	M1O	04-026/20:35:19.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-026/20:24:08.4
9149	M1O	04-026/20:35:29.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-026/20:24:18.4
9150	M1O	04-026/20:35:30.8		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	04-026/20:24:19.4
9151	M1O	04-026/20:35:31.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-026/20:24:20.4
9152	M1O	04-026/20:35:31.8	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		
9153	M1O	04-026/20:35:31.8	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9154	M1O	04-026/20:35:32.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-026/20:24:21.4
9155	M1O	04-026/20:40:31.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/20:29:20.0
9156	M1O	04-026/20:40:31.4	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		
9157	M1O	04-026/20:40:31.4	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9158	M1O	04-026/20:49:19.1		NOTE: Periapsis 9394 ----------		04-026/20:38:07.6
9159	M1O	04-026/20:50:19.7		NOTE: South Pole Crossing 9394		04-026/20:39:08.2
9160	M1O	04-026/21:07:21.5		SPAWN, Engine = 65535, Parameters = 026, 04, TRUE, 00:19:24, 253, TRUE, 32_KPS, 00:02:00, 00:00:00	uhf	04-026/20:56:10.0
9161	M1O	04-026/21:07:22.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/20:56:10.5
9162	M1O	04-026/21:07:22.0	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		
9163	M1O	04-026/21:07:22.0	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9164	M1O	04-026/21:07:22.6		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	04-026/20:56:11.1
9165	M1O	04-026/21:07:24.6		CALL, Engine = , Parameters = 253	get_cmd_opt	04-026/20:56:13.1
9166	M1O	04-026/21:07:24.9		CALL, Engine = , Parameters = 026, 04, 253	bld_autosw	04-026/20:56:13.4
9167	M1O	04-026/21:07:26.0		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-026/20:56:14.5
9168	M1O	04-026/21:07:27.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:15.6
9169	M1O	04-026/21:07:28.1		Deletes the designated file.: d:/dat/253_doy026_pass04_file01.dat	FILE_DELETE	04-026/20:56:16.6
9170	M1O	04-026/21:07:29.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:17.7
9171	M1O	04-026/21:07:30.2		Deletes the designated file.: d:/dat/253_doy026_pass04_file02.dat	FILE_DELETE	04-026/20:56:18.7
9172	M1O	04-026/21:07:31.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:19.8
9173	M1O	04-026/21:07:32.3		Deletes the designated file.: d:/dat/253_doy026_pass04_file03.dat	FILE_DELETE	04-026/20:56:20.8
9174	M1O	04-026/21:07:33.4		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-026/20:56:21.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/253_doy026_pass04_file04.dat, d:/dat/autoswitch.dat		
9175	M1O	04-026/21:07:34.4		Deletes the designated file.: d:/dat/253_doy026_pass04_file04.dat	FILE_DELETE	04-026/20:56:22.9
9176	M1O	04-026/21:07:35.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:24.0
9177	M1O	04-026/21:07:36.5		Deletes the designated file.: d:/dat/253_doy026_pass04_file05.dat	FILE_DELETE	04-026/20:56:25.0
9178	M1O	04-026/21:07:37.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:26.1
9179	M1O	04-026/21:07:38.6		Deletes the designated file.: d:/dat/253_doy026_pass04_file06.dat	FILE_DELETE	04-026/20:56:27.1
9180	M1O	04-026/21:07:39.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:28.2
9181	M1O	04-026/21:07:40.7		Deletes the designated file.: d:/dat/253_doy026_pass04_file07.dat	FILE_DELETE	04-026/20:56:29.2
9182	M1O	04-026/21:07:41.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:30.3
9183	M1O	04-026/21:07:42.8		Deletes the designated file.: d:/dat/253_doy026_pass04_file08.dat	FILE_DELETE	04-026/20:56:31.3
9184	M1O	04-026/21:07:43.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:32.4
9185	M1O	04-026/21:07:44.9		Deletes the designated file.: d:/dat/253_doy026_pass04_file09.dat	FILE_DELETE	04-026/20:56:33.4
9186	M1O	04-026/21:07:46.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:34.5
9187	M1O	04-026/21:07:47.0		Deletes the designated file.: d:/dat/253_doy026_pass04_file10.dat	FILE_DELETE	04-026/20:56:35.5
9188	M1O	04-026/21:07:48.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:36.6
9189	M1O	04-026/21:07:49.1		Deletes the designated file.: d:/dat/253_doy026_pass04_file11.dat	FILE_DELETE	04-026/20:56:37.6
9190	M1O	04-026/21:07:50.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:38.7
9191	M1O	04-026/21:07:51.2		Deletes the designated file.: d:/dat/253_doy026_pass04_file12.dat	FILE_DELETE	04-026/20:56:39.7
9192	M1O	04-026/21:07:52.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:40.8
9193	M1O	04-026/21:07:53.3		Deletes the designated file.: d:/dat/253_doy026_pass04_file13.dat	FILE_DELETE	04-026/20:56:41.8
9194	M1O	04-026/21:07:54.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:42.9
9195	M1O	04-026/21:07:55.4		Deletes the designated file.: d:/dat/253_doy026_pass04_file14.dat	FILE_DELETE	04-026/20:56:43.9
9196	M1O	04-026/21:07:56.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:45.0
9197	M1O	04-026/21:07:57.5		Deletes the designated file.: d:/dat/253_doy026_pass04_file15.dat	FILE_DELETE	04-026/20:56:46.0
9198	M1O	04-026/21:07:58.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:47.1
9199	M1O	04-026/21:07:59.6		Deletes the designated file.: d:/dat/253_doy026_pass04_file16.dat	FILE_DELETE	04-026/20:56:48.1
9200	M1O	04-026/21:08:00.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:49.2
9201	M1O	04-026/21:08:01.7		Deletes the designated file.: d:/dat/253_doy026_pass04_file17.dat	FILE_DELETE	04-026/20:56:50.2
9202	M1O	04-026/21:08:02.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:51.3
9203	M1O	04-026/21:08:03.8		Deletes the designated file.: d:/dat/253_doy026_pass04_file18.dat	FILE_DELETE	04-026/20:56:52.3
9204	M1O	04-026/21:08:04.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy026_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-026/20:56:53.4
9205	M1O	04-026/21:08:05.9		Deletes the designated file.: d:/dat/253_doy026_pass04_file19.dat	FILE_DELETE	04-026/20:56:54.4
9206	M1O	04-026/21:08:06.9		CALL, Engine = , Parameters = 253	get_apid	04-026/20:56:55.4
9207	M1O	04-026/21:08:08.0		CALL, Engine = , Parameters = 253	get_rcv_mode	04-026/20:56:56.5
9208	M1O	04-026/21:08:08.2		CALL, Engine = , Parameters = 253	get_dl_rate	04-026/20:56:56.7
9209	M1O	04-026/21:08:09.3		CALL, Engine = , Parameters = 253, TRUE	get_modulatn	04-026/20:56:57.8
9210	M1O	04-026/21:08:10.6		CALL, Engine = , Parameters = 253	get_coding	04-026/20:56:59.1
9211	M1O	04-026/21:08:11.8		CALL, Engine = , Parameters = 253	get_xmt_mode	04-026/20:57:00.3
9212	M1O	04-026/21:08:13.0		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-026/20:57:01.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9213	M1O	04-026/21:09:17.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-026/20:58:06.3
9214	M1O	04-026/21:09:18.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-026/20:58:07.3
9215	M1O	04-026/21:09:19.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-026/20:58:08.3
9216	M1O	04-026/21:09:20.8		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-026/20:58:09.3
9217	M1O	04-026/21:09:21.8		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-026/20:58:10.3
9218	M1O	04-026/21:09:22.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-026/20:58:11.3
9219	M1O	04-026/21:09:23.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-026/20:58:12.3
9220	M1O	04-026/21:09:24.8		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-026/20:58:13.3
9221	M1O	04-026/21:09:25.8		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-026/20:58:14.3
9222	M1O	04-026/21:11:13.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/21:00:02.3
9223	M1O	04-026/21:11:23.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-026/21:00:12.3
9224	M1O	04-026/21:18:13.1		NOTE: Enter Solar Eclipse 9394		04-026/21:07:01.5
9225	M1O	04-026/21:19:40.4		NOTE: Ascending Node Crossing 9394		04-026/21:08:28.8
9226	M1O	04-026/21:28:42.9		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-026/21:17:31.3
9227	M1O	04-026/21:28:43.9		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-026/21:17:32.3
9228	M1O	04-026/21:28:45.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-026/21:17:34.3
9229	M1O	04-026/21:28:47.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-026/21:17:35.4
9230	M1O	04-026/21:28:57.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-026/21:17:45.4
9231	M1O	04-026/21:28:58.0		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	04-026/21:17:46.4
9232	M1O	04-026/21:28:59.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-026/21:17:47.4
9233	M1O	04-026/21:28:59.0	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		
9234	M1O	04-026/21:28:59.0	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9235	M1O	04-026/21:29:00.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-026/21:17:48.4
9236	M1O	04-026/21:33:58.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/21:22:47.0
9237	M1O	04-026/21:33:58.6	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		
9238	M1O	04-026/21:33:58.6	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9239	M1O	04-026/21:34:28.2		NOTE: Exit Solar Eclipse 9394		04-026/21:23:16.6
9240	M1O	04-026/21:48:24.0		NOTE: Apoapsis 9394 -		04-026/21:37:12.3
9241	M1O	04-026/21:49:40.4		NOTE: North Pole Crossing 9394		04-026/21:38:28.7
9242	M1O	04-026/21:51:51.6		NOTE: Enter Planetary Atmosphere 9394		04-026/21:40:39.9
9243	M1O	04-026/22:02:45.2		NOTE: Exit Planetary Atmosphere 9394		04-026/21:51:33.5
9244	M1O	04-026/22:14:59.7		SPAWN, Engine = 65535, Parameters = 026, 04, FALSE, 00:13:30.529, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-026/22:03:48.0
9245	M1O	04-026/22:15:00.8		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	04-026/22:03:49.1
9246	M1O	04-026/22:15:02.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-026/22:03:51.1
9247	M1O	04-026/22:15:45.0		CALL, Engine = , Parameters = 254	get_apid	04-026/22:04:33.3
9248	M1O	04-026/22:15:46.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-026/22:04:34.4
9249	M1O	04-026/22:15:46.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-026/22:04:34.6
9250	M1O	04-026/22:15:47.4		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-026/22:04:35.7
9251	M1O	04-026/22:15:48.7		CALL, Engine = , Parameters = 254	get_coding	04-026/22:04:37.0
9252	M1O	04-026/22:15:49.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-026/22:04:38.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9253	M1O	04-026/22:15:51.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-026/22:04:39.4
9254	M1O	04-026/22:16:55.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-026/22:05:44.2
9255	M1O	04-026/22:16:56.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-026/22:05:45.2
9256	M1O	04-026/22:16:57.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-026/22:05:46.2
9257	M1O	04-026/22:16:58.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-026/22:05:47.2
9258	M1O	04-026/22:16:59.9		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-026/22:05:48.2
9259	M1O	04-026/22:17:00.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-026/22:05:49.2
9260	M1O	04-026/22:17:01.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-026/22:05:50.2
9261	M1O	04-026/22:19:38.2		NOTE: Descending Node Crossing 9395		04-026/22:08:26.4
9262	M1O	04-026/22:30:28.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-026/22:19:16.7
9263	M1O	04-026/22:30:29.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-026/22:19:17.8
9264	M1O	04-026/22:30:39.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-026/22:19:27.8
9265	M1O	04-026/22:30:40.6		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	04-026/22:19:28.8
9266	M1O	04-026/22:35:00.0	14	Begin Tracking		
9267	M1O	04-026/22:35:00.0	14	Acquire D/L: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9268	M1O	04-026/22:40:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
9269	M1O	04-026/22:47:36.1	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
9270	M1O	04-026/22:48:19.8		NOTE: Periapsis 9395 ----------		04-026/22:37:07.9
9271	M1O	04-026/22:48:56.8		NOTE: South Pole Crossing 9395		04-026/22:37:44.9
9272	M1O	04-026/22:50:00.0	63	End Tracking		
9273	M1O	04-026/22:50:00.0	55	Range Modulation Off		
9274	M1O	04-026/22:55:00.0	55	X-Band Transmitter Off		
9275	M1O	04-026/23:05:00.0	63	End Post-Cal		
9276	M1O	04-026/23:09:11.0	55	NOTE: Below Uplink Interlock Limit		
9277	M1O	04-026/23:10:00.0	55	End Tracking		
9278	M1O	04-026/23:16:20.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-026/23:05:08.8
9279	M1O	04-026/23:16:22.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-026/23:05:10.9
9280	M1O	04-026/23:16:22.9	14	D/L Change: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9281	M1O	04-026/23:16:23.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-026/23:05:11.9
9282	M1O	04-026/23:16:47.5		NOTE: Enter Solar Eclipse 9395		04-026/23:05:35.5
9283	M1O	04-026/23:17:23.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9284	M1O	04-026/23:18:17.0		NOTE: Ascending Node Crossing 9395		04-026/23:07:05.1
9285	M1O	04-026/23:22:22.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-026/23:11:10.9
9286	M1O	04-026/23:22:22.9	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9287	M1O	04-026/23:22:23.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-026/23:11:11.9
9288	M1O	04-026/23:25:00.0	55	End Post-Cal		
9289	M1O	04-026/23:33:06.0		NOTE: Exit Solar Eclipse 9395		04-026/23:21:54.0
9290	M1O	04-026/23:47:25.0		NOTE: Apoapsis 9395 -		04-026/23:36:13.0
9291	M1O	04-026/23:48:16.9		NOTE: North Pole Crossing 9395		04-026/23:37:04.8
9292	M1O	04-026/23:50:27.1		NOTE: Enter Planetary Atmosphere 9395		04-026/23:39:15.0
9293	M1O	04-027/00:00:00.0		Light Time: OWLT = 11:12, RTLT = 22:24		
9294	M1O	04-027/00:01:20.8		NOTE: Exit Planetary Atmosphere 9395		04-026/23:50:08.7
9295	M1O	04-027/00:18:14.9		NOTE: Descending Node Crossing 9396		04-027/00:07:02.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9296	M1O	04-027/00:47:06.9		NOTE: Periapsis 9396 ----------		04-027/00:35:54.6
9297	M1O	04-027/00:47:32.6		NOTE: South Pole Crossing 9396		04-027/00:36:20.3
9298	M1O	04-027/01:15:19.3		NOTE: Enter Solar Eclipse 9396		04-027/01:04:07.0
9299	M1O	04-027/01:16:51.7		NOTE: Ascending Node Crossing 9396		04-027/01:05:39.3
9300	M1O	04-027/01:31:43.1		NOTE: Exit Solar Eclipse 9396		04-027/01:20:30.7
9301	M1O	04-027/01:45:58.4		NOTE: Apoapsis 9396 -		04-027/01:34:46.0
9302	M1O	04-027/01:46:51.3		NOTE: North Pole Crossing 9396		04-027/01:35:38.9
9303	M1O	04-027/01:48:55.4		NOTE: Enter Planetary Atmosphere 9396		04-027/01:37:43.0
9304	M1O	04-027/01:59:59.6		NOTE: Exit Planetary Atmosphere 9396		04-027/01:48:47.1
9305	M1O	04-027/02:01:49.4		SPAWN, Engine = 65535, Parameters = 027, 01, FALSE, 00:18:37.666, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-027/01:50:37.0
9306	M1O	04-027/02:01:50.5		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	04-027/01:50:38.1
9307	M1O	04-027/02:01:52.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-027/01:50:40.1
9308	M1O	04-027/02:02:34.7		CALL, Engine = , Parameters = 56	get_apid	04-027/01:51:22.3
9309	M1O	04-027/02:02:35.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-027/01:51:23.4
9310	M1O	04-027/02:02:36.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-027/01:51:23.6
9311	M1O	04-027/02:02:37.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-027/01:51:24.7
9312	M1O	04-027/02:02:38.3		CALL, Engine = , Parameters = 56	get_coding	04-027/01:51:25.9
9313	M1O	04-027/02:02:39.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-027/01:51:27.1
9314	M1O	04-027/02:02:40.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-027/01:51:28.3
9315	M1O	04-027/02:03:45.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-027/01:52:33.1
9316	M1O	04-027/02:03:46.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-027/01:52:34.1
9317	M1O	04-027/02:03:47.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-027/01:52:35.1
9318	M1O	04-027/02:03:48.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-027/01:52:36.1
9319	M1O	04-027/02:03:49.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-027/01:52:37.1
9320	M1O	04-027/02:03:50.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-027/01:52:38.1
9321	M1O	04-027/02:03:51.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-027/01:52:39.1
9322	M1O	04-027/02:16:49.0		NOTE: Descending Node Crossing 9397		04-027/02:05:36.5
9323	M1O	04-027/02:22:25.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-027/02:11:12.7
9324	M1O	04-027/02:22:26.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-027/02:11:13.8
9325	M1O	04-027/02:22:36.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-027/02:11:23.8
9326	M1O	04-027/02:22:37.4		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	04-027/02:11:24.8
9327	M1O	04-027/02:29:49.5		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-027/02:18:37.0
9328	M1O	04-027/02:29:49.6		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-027/02:18:37.1
9329	M1O	04-027/02:29:50.6		Forces a desaturation of the reaction wheels.	RW_DESAT	04-027/02:18:38.1
9330	M1O	04-027/02:33:12.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-027/02:22:00.0
9331	M1O	04-027/02:33:28.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-025T02:22:00.100, 2004-027T02:22:00.100	PCKTS_RE_TX_TIME	04-027/02:22:15.8
9332	M1O	04-027/02:33:29.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-025T02:22:00.100, 2004-027T02:22:00.100	PCKTS_RE_TX_TIME	04-027/02:22:16.8
9333	M1O	04-027/02:33:30.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-025T02:22:00.100, 2004-027T02:22:00.100	PCKTS_RE_TX_TIME	04-027/02:22:17.8
9334	M1O	04-027/02:33:31.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-025T02:22:00.100, 2004-027T02:22:00.100	PCKTS_RE_TX_TIME	04-027/02:22:18.8
9335	M1O	04-027/02:33:32.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-025T02:22:00.100, 2004-027T02:22:00.100	PCKTS_RE_TX_TIME	04-027/02:22:19.8
9336	M1O	04-027/02:33:33.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-025T02:22:00.100, 2004-027T02:22:00.100	PCKTS_RE_TX_TIME	04-027/02:22:20.8
9337	M1O	04-027/02:33:33.3		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-027/02:22:20.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_auto_rexmit.cfg,		
9338	M1O	04-027/02:33:33.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9339	M1O	04-027/02:40:34.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/02:29:21.8
9340	M1O	04-027/02:40:34.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9341	M1O	04-027/02:40:35.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-027/02:29:22.8
9342	M1O	04-027/02:40:51.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-027/02:29:38.8
9343	M1O	04-027/02:40:51.4	14	D/L RF Warning: SC antenna change - expect signal level variation		
9344	M1O	04-027/02:40:52.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-027/02:29:39.8
9345	M1O	04-027/02:41:20.7		CALL, Engine = , Parameters = FALSE	park_hga	04-027/02:30:08.1
9346	M1O	04-027/02:41:20.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/02:30:08.1
9347	M1O	04-027/02:41:21.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-027/02:30:09.1
9348	M1O	04-027/02:41:22.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-027/02:30:10.1
9349	M1O	04-027/02:41:22.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-027/02:30:10.1
9350	M1O	04-027/02:41:22.7		NOTE: START HGA PARK		
9351	M1O	04-027/02:41:22.7	14	NOTE: Loss Of X-Band Signal		
9352	M1O	04-027/02:41:23.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-027/02:30:11.1
9353	M1O	04-027/02:41:24.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-027/02:30:12.1
9354	M1O	04-027/02:45:25.9		NOTE: Periapsis 9397 ----------		04-027/02:34:13.3
9355	M1O	04-027/02:45:54.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-027/02:34:42.1
9356	M1O	04-027/02:46:05.5		NOTE: South Pole Crossing 9397		04-027/02:34:52.9
9357	M1O	04-027/02:49:24.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-027/02:38:12.1
9358	M1O	04-027/02:49:24.7		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-027/02:38:12.1
9359	M1O	04-027/03:13:51.2		NOTE: Enter Solar Eclipse 9397		04-027/03:02:38.5
9360	M1O	04-027/03:15:23.9		NOTE: Ascending Node Crossing 9397		04-027/03:04:11.2
9361	M1O	04-027/03:19:24.7		GV: GV_DESAT_ACTIVE = 1		04-027/03:08:12.0
9362	M1O	04-027/03:19:25.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-027/03:08:13.0
9363	M1O	04-027/03:19:25.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-027/03:08:13.0
9364	M1O	04-027/03:29:24.7		GV: GV_DESAT_ACTIVE = 0		04-027/03:18:12.0
9365	M1O	04-027/03:29:25.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-027/03:18:13.0
9366	M1O	04-027/03:29:26.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-027/03:18:14.0
9367	M1O	04-027/03:29:27.7		CALL, Engine = , Parameters =	unpark_hga	04-027/03:18:15.0
9368	M1O	04-027/03:29:27.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-027/03:18:15.0
9369	M1O	04-027/03:29:28.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-027/03:18:16.0
9370	M1O	04-027/03:30:17.1		NOTE: Exit Solar Eclipse 9397		04-027/03:19:04.4
9371	M1O	04-027/03:33:58.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-027/03:22:46.0
9372	M1O	04-027/03:33:59.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-027/03:22:47.0
9373	M1O	04-027/03:37:24.8		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-027/03:26:12.0
9374	M1O	04-027/03:37:24.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/03:26:12.1
9375	M1O	04-027/03:37:25.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-027/03:26:13.1
9376	M1O	04-027/03:37:26.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-027/03:26:14.1
9377	M1O	04-027/03:37:27.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-027/03:26:15.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9378	M1O	04-027/03:37:28.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-027/03:26:16.1
9379	M1O	04-027/03:37:38.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-027/03:26:26.1
9380	M1O	04-027/03:37:48.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-027/03:26:36.1
9381	M1O	04-027/03:37:59.7		NOTE: EXIT HGA PARK		
9382	M1O	04-027/03:37:59.7	14	Acquisition Of X-Band Signal		
9383	M1O	04-027/03:37:59.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9384	M1O	04-027/03:42:48.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-027/03:31:36.1
9385	M1O	04-027/03:42:49.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/03:31:37.1
9386	M1O	04-027/03:42:49.9	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9387	M1O	04-027/03:42:50.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-027/03:31:38.1
9388	M1O	04-027/03:44:07.5		NOTE: Apoapsis 9397 -		04-027/03:32:54.7
9389	M1O	04-027/03:45:23.1		NOTE: North Pole Crossing 9397		04-027/03:34:10.3
9390	M1O	04-027/03:47:20.3		NOTE: Enter Planetary Atmosphere 9397		04-027/03:36:07.5
9391	M1O	04-027/03:58:36.4		NOTE: Exit Planetary Atmosphere 9397		04-027/03:47:23.5
9392	M1O	04-027/04:00:54.8		SPAWN, Engine = 65535, Parameters = 027, 02, FALSE, 00:14:43.433, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-027/03:49:42.0
9393	M1O	04-027/04:00:55.9		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	04-027/03:49:43.1
9394	M1O	04-027/04:00:57.9		CALL, Engine = , Parameters = 56	get_cmd_opt	04-027/03:49:45.1
9395	M1O	04-027/04:01:40.1		CALL, Engine = , Parameters = 56	get_apid	04-027/03:50:27.3
9396	M1O	04-027/04:01:41.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-027/03:50:28.4
9397	M1O	04-027/04:01:41.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-027/03:50:28.6
9398	M1O	04-027/04:01:42.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-027/03:50:29.7
9399	M1O	04-027/04:01:43.7		CALL, Engine = , Parameters = 56	get_coding	04-027/03:50:30.9
9400	M1O	04-027/04:01:44.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-027/03:50:32.1
9401	M1O	04-027/04:01:46.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-027/03:50:33.3
9402	M1O	04-027/04:02:50.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-027/03:51:38.1
9403	M1O	04-027/04:02:51.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-027/03:51:39.1
9404	M1O	04-027/04:02:52.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-027/03:51:40.1
9405	M1O	04-027/04:02:53.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-027/03:51:41.1
9406	M1O	04-027/04:02:54.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-027/03:51:42.1
9407	M1O	04-027/04:02:55.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-027/03:51:43.1
9408	M1O	04-027/04:02:56.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-027/03:51:44.1
9409	M1O	04-027/04:15:19.8		NOTE: Descending Node Crossing 9398		04-027/04:04:06.9
9410	M1O	04-027/04:17:36.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-027/04:06:23.5
9411	M1O	04-027/04:17:37.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-027/04:06:24.6
9412	M1O	04-027/04:17:47.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-027/04:06:34.6
9413	M1O	04-027/04:17:48.5		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	04-027/04:06:35.6
9414	M1O	04-027/04:43:38.5		NOTE: Periapsis 9398 ----------		04-027/04:32:25.5
9415	M1O	04-027/04:44:36.4		NOTE: South Pole Crossing 9398		04-027/04:33:23.3
9416	M1O	04-027/04:50:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9417	M1O	04-027/04:50:00.0	14	U/L Transfer From DSS-14 to DSS-14: PWR=20.0, BR=125.0		
9418	M1O	04-027/04:55:00.0	14	Range Modulation On: SUP=3.0dB		
9419	M1O	04-027/04:56:00.0	14	Begin Ranging Acquisition		
9420	M1O	04-027/05:11:23.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-027/05:00:10.0
9421	M1O	04-027/05:11:25.2		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-027/05:00:12.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
9422	M1O	04-027/05:11:25.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9423	M1O	04-027/05:11:26.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-027/05:00:13.1
9424	M1O	04-027/05:12:24.4		NOTE: Enter Solar Eclipse 9398		04-027/05:01:11.3
9425	M1O	04-027/05:12:26.0	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9426	M1O	04-027/05:13:55.4		NOTE: Ascending Node Crossing 9398		04-027/05:02:42.3
9427	M1O	04-027/05:17:25.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/05:06:12.1
9428	M1O	04-027/05:17:25.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9429	M1O	04-027/05:17:26.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-027/05:06:13.1
9430	M1O	04-027/05:28:46.3		NOTE: Exit Solar Eclipse 9398		04-027/05:17:33.1
9431	M1O	04-027/05:30:00.0	43	Begin Pre-Cal		
9432	M1O	04-027/05:30:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
9433	M1O	04-027/05:30:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9434	M1O	04-027/05:30:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9435	M1O	04-027/05:30:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
9436	M1O	04-027/05:30:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
9437	M1O	04-027/05:30:00.0	43	Config: RCV: Parms:		
9438	M1O	04-027/05:30:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
9439	M1O	04-027/05:30:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
9440	M1O	04-027/05:30:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
9441	M1O	04-027/05:42:39.9		NOTE: Apoapsis 9398 -		04-027/05:31:26.7
9442	M1O	04-027/05:43:54.5		NOTE: North Pole Crossing 9398		04-027/05:32:41.3
9443	M1O	04-027/05:45:57.2		NOTE: Enter Planetary Atmosphere 9398		04-027/05:34:44.0
9444	M1O	04-027/05:57:01.8		NOTE: Exit Planetary Atmosphere 9398		04-027/05:45:48.6
9445	M1O	04-027/06:00:00.0	43	Begin Tracking		
9446	M1O	04-027/06:00:00.0	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		
9447	M1O	04-027/06:07:33.3	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
9448	M1O	04-027/06:10:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
9449	M1O	04-027/06:13:51.1		NOTE: Descending Node Crossing 9399		04-027/06:02:37.8
9450	M1O	04-027/06:20:00.0	14	Range Modulation Off		
9451	M1O	04-027/06:21:24.6		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-027/06:10:11.2
9452	M1O	04-027/06:21:26.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/06:10:13.3
9453	M1O	04-027/06:21:26.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9454	M1O	04-027/06:21:26.7	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		
9455	M1O	04-027/06:21:27.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-027/06:10:14.3
9456	M1O	04-027/06:25:00.0	14	X-Band Transmitter Off		
9457	M1O	04-027/06:27:26.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/06:16:13.3
9458	M1O	04-027/06:27:26.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9459	M1O	04-027/06:27:26.7	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		
9460	M1O	04-027/06:27:27.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-027/06:16:14.3
9461	M1O	04-027/06:30:00.0	14	End Tracking		
9462	M1O	04-027/06:42:09.6		NOTE: Periapsis 9399 ----------		04-027/06:30:56.2
9463	M1O	04-027/06:43:08.5		NOTE: South Pole Crossing 9399		04-027/06:31:55.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9464	M1O	04-027/06:45:00.0	14	End Post-Cal		
9465	M1O	04-027/06:46:23.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/06:35:10.0
9466	M1O	04-027/06:46:23.4	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		
9467	M1O	04-027/06:47:26.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9468	M1O	04-027/06:52:28.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/06:41:15.0
9469	M1O	04-027/06:52:28.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9470	M1O	04-027/07:10:58.7		NOTE: Enter Solar Eclipse 9399		04-027/06:59:45.2
9471	M1O	04-027/07:11:13.4		SPAWN, Engine = 65535, Parameters =	scdiag	04-027/07:00:00.0
9472	M1O	04-027/07:11:14.5		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-027/07:00:01.1
9473	M1O	04-027/07:11:15.5		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-027/07:00:02.1
9474	M1O	04-027/07:12:16.4		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-027/07:01:03.0
9475	M1O	04-027/07:12:16.6		NOTE: Start Block fsw_diag		04-027/07:01:03.2
9476	M1O	04-027/07:12:17.6		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-027/07:01:04.2
9477	M1O	04-027/07:12:18.6		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	04-027/07:01:05.2
9478	M1O	04-027/07:12:28.5		NOTE: Ascending Node Crossing 9399		04-027/07:01:15.0
9479	M1O	04-027/07:12:29.6		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	04-027/07:01:16.2
9480	M1O	04-027/07:12:59.6		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-027/07:01:46.2
9481	M1O	04-027/07:13:19.6		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-027/07:02:06.2
9482	M1O	04-027/07:13:29.6		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-027/07:02:16.2
9483	M1O	04-027/07:13:49.6		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-027/07:02:36.2
9484	M1O	04-027/07:13:59.6		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-027/07:02:46.2
9485	M1O	04-027/07:14:04.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-027/07:02:51.2
9486	M1O	04-027/07:14:09.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-027/07:02:56.2
9487	M1O	04-027/07:14:14.6		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-027/07:03:01.2
9488	M1O	04-027/07:14:19.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-027/07:03:06.2
9489	M1O	04-027/07:14:24.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-027/07:03:11.2
9490	M1O	04-027/07:15:04.6		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-027/07:03:51.2
9491	M1O	04-027/07:15:09.6		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-027/07:03:56.2
9492	M1O	04-027/07:15:14.6		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-027/07:04:01.2
9493	M1O	04-027/07:15:19.6		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-027/07:04:06.2
9494	M1O	04-027/07:15:24.6		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-027/07:04:11.2
9495	M1O	04-027/07:15:25.6		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-027/07:04:12.2
9496	M1O	04-027/07:15:26.6		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-027/07:04:13.2
9497	M1O	04-027/07:15:27.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-027/07:04:14.2
9498	M1O	04-027/07:15:38.6		NOTE: End Block fsw_diag.mod		04-027/07:04:25.2
9499	M1O	04-027/07:27:13.1		NOTE: Exit Solar Eclipse 9399		04-027/07:15:59.6
9500	M1O	04-027/07:41:24.5		NOTE: Apoapsis 9399 -		04-027/07:30:10.9
9501	M1O	04-027/07:42:28.9		NOTE: North Pole Crossing 9399		04-027/07:31:15.3
9502	M1O	04-027/07:44:48.5		NOTE: Enter Planetary Atmosphere 9399		04-027/07:33:34.9
9503	M1O	04-027/07:55:22.1		NOTE: Exit Planetary Atmosphere 9399		04-027/07:44:08.5
9504	M1O	04-027/08:04:04.6		SPAWN, Engine = 65535, Parameters = 027, 01, FALSE, 00:15:15.719, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-027/07:52:51.0
9505	M1O	04-027/08:04:05.7		Passes the specified amount of data, data size parameter, through the PACI interface.:	GRS_PASS_THROUGH	04-027/07:52:52.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000		
9506	M1O	04-027/08:04:07.7		CALL, Engine = , Parameters = 253	get_cmd_opt	04-027/07:52:54.1
9507	M1O	04-027/08:04:49.9		CALL, Engine = , Parameters = 253	get_apid	04-027/07:53:36.3
9508	M1O	04-027/08:04:51.0		CALL, Engine = , Parameters = 253	get_rcv_mode	04-027/07:53:37.4
9509	M1O	04-027/08:04:51.2		CALL, Engine = , Parameters = 253	get_dl_rate	04-027/07:53:37.6
9510	M1O	04-027/08:04:52.3		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-027/07:53:38.7
9511	M1O	04-027/08:04:53.6		CALL, Engine = , Parameters = 253	get_coding	04-027/07:53:40.0
9512	M1O	04-027/08:04:54.8		CALL, Engine = , Parameters = 253	get_xmt_mode	04-027/07:53:41.2
9513	M1O	04-027/08:04:56.0		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-027/07:53:42.4
9514	M1O	04-027/08:06:00.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-027/07:54:47.2
9515	M1O	04-027/08:06:01.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-027/07:54:48.2
9516	M1O	04-027/08:06:02.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-027/07:54:49.2
9517	M1O	04-027/08:06:03.8		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-027/07:54:50.2
9518	M1O	04-027/08:06:04.8		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-027/07:54:51.2
9519	M1O	04-027/08:06:05.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-027/07:54:52.2
9520	M1O	04-027/08:06:06.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-027/07:54:53.2
9521	M1O	04-027/08:12:27.0		NOTE: Descending Node Crossing 9400		04-027/08:01:13.3
9522	M1O	04-027/08:21:18.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-027/08:10:04.9
9523	M1O	04-027/08:21:19.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-027/08:10:06.0
9524	M1O	04-027/08:21:29.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-027/08:10:16.0
9525	M1O	04-027/08:21:30.7		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	04-027/08:10:17.0
9526	M1O	04-027/08:40:54.0		NOTE: Periapsis 9400 ----------		04-027/08:29:40.2
9527	M1O	04-027/08:41:44.4		NOTE: South Pole Crossing 9400		04-027/08:30:30.6
9528	M1O	04-027/08:54:57.8		SPAWN, Engine = 65535, Parameters = 027, 01, TRUE, 00:19:10, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-027/08:43:44.0
9529	M1O	04-027/08:54:58.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/08:43:44.5
9530	M1O	04-027/08:54:58.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9531	M1O	04-027/08:54:58.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-027/08:43:45.1
9532	M1O	04-027/08:55:00.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-027/08:43:47.1
9533	M1O	04-027/08:55:01.2		CALL, Engine = , Parameters = 027, 01, 254	bld_autosw	04-027/08:43:47.4
9534	M1O	04-027/08:55:02.3		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	04-027/08:43:48.5
9535	M1O	04-027/08:55:03.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:43:49.6
9536	M1O	04-027/08:55:04.4		Deletes the designated file.: d:/dat/254_doy027_pass01_file01.dat	FILE_DELETE	04-027/08:43:50.6
9537	M1O	04-027/08:55:05.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:43:51.7
9538	M1O	04-027/08:55:06.5		Deletes the designated file.: d:/dat/254_doy027_pass01_file02.dat	FILE_DELETE	04-027/08:43:52.7
9539	M1O	04-027/08:55:07.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:43:53.8
9540	M1O	04-027/08:55:08.6		Deletes the designated file.: d:/dat/254_doy027_pass01_file03.dat	FILE_DELETE	04-027/08:43:54.8
9541	M1O	04-027/08:55:09.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:43:55.9
9542	M1O	04-027/08:55:10.7		Deletes the designated file.: d:/dat/254_doy027_pass01_file04.dat	FILE_DELETE	04-027/08:43:56.9
9543	M1O	04-027/08:55:11.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:43:58.0
9544	M1O	04-027/08:55:12.8		Deletes the designated file.: d:/dat/254_doy027_pass01_file05.dat	FILE_DELETE	04-027/08:43:59.0
9545	M1O	04-027/08:55:13.9		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-027/08:44:00.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy027_pass01_file06.dat, d:/dat/autoswitch.dat		
9546	M1O	04-027/08:55:14.9		Deletes the designated file.: d:/dat/254_doy027_pass01_file06.dat	FILE_DELETE	04-027/08:44:01.1
9547	M1O	04-027/08:55:16.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:02.2
9548	M1O	04-027/08:55:17.0		Deletes the designated file.: d:/dat/254_doy027_pass01_file07.dat	FILE_DELETE	04-027/08:44:03.2
9549	M1O	04-027/08:55:18.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:04.3
9550	M1O	04-027/08:55:19.1		Deletes the designated file.: d:/dat/254_doy027_pass01_file08.dat	FILE_DELETE	04-027/08:44:05.3
9551	M1O	04-027/08:55:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:06.4
9552	M1O	04-027/08:55:21.2		Deletes the designated file.: d:/dat/254_doy027_pass01_file09.dat	FILE_DELETE	04-027/08:44:07.4
9553	M1O	04-027/08:55:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:08.5
9554	M1O	04-027/08:55:23.3		Deletes the designated file.: d:/dat/254_doy027_pass01_file10.dat	FILE_DELETE	04-027/08:44:09.5
9555	M1O	04-027/08:55:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:10.6
9556	M1O	04-027/08:55:25.4		Deletes the designated file.: d:/dat/254_doy027_pass01_file11.dat	FILE_DELETE	04-027/08:44:11.6
9557	M1O	04-027/08:55:26.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:12.7
9558	M1O	04-027/08:55:27.5		Deletes the designated file.: d:/dat/254_doy027_pass01_file12.dat	FILE_DELETE	04-027/08:44:13.7
9559	M1O	04-027/08:55:28.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:14.8
9560	M1O	04-027/08:55:29.6		Deletes the designated file.: d:/dat/254_doy027_pass01_file13.dat	FILE_DELETE	04-027/08:44:15.8
9561	M1O	04-027/08:55:30.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:16.9
9562	M1O	04-027/08:55:31.7		Deletes the designated file.: d:/dat/254_doy027_pass01_file14.dat	FILE_DELETE	04-027/08:44:17.9
9563	M1O	04-027/08:55:32.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:19.0
9564	M1O	04-027/08:55:33.8		Deletes the designated file.: d:/dat/254_doy027_pass01_file15.dat	FILE_DELETE	04-027/08:44:20.0
9565	M1O	04-027/08:55:34.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:21.1
9566	M1O	04-027/08:55:35.9		Deletes the designated file.: d:/dat/254_doy027_pass01_file16.dat	FILE_DELETE	04-027/08:44:22.1
9567	M1O	04-027/08:55:37.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:23.2
9568	M1O	04-027/08:55:38.0		Deletes the designated file.: d:/dat/254_doy027_pass01_file17.dat	FILE_DELETE	04-027/08:44:24.2
9569	M1O	04-027/08:55:39.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:25.3
9570	M1O	04-027/08:55:40.1		Deletes the designated file.: d:/dat/254_doy027_pass01_file18.dat	FILE_DELETE	04-027/08:44:26.3
9571	M1O	04-027/08:55:41.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/08:44:27.4
9572	M1O	04-027/08:55:42.2		Deletes the designated file.: d:/dat/254_doy027_pass01_file19.dat	FILE_DELETE	04-027/08:44:28.4
9573	M1O	04-027/08:55:43.2		CALL, Engine = , Parameters = 254	get_apid	04-027/08:44:29.4
9574	M1O	04-027/08:55:44.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-027/08:44:30.5
9575	M1O	04-027/08:55:44.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-027/08:44:30.7
9576	M1O	04-027/08:55:45.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-027/08:44:31.8
9577	M1O	04-027/08:55:46.9		CALL, Engine = , Parameters = 254	get_coding	04-027/08:44:33.1
9578	M1O	04-027/08:55:48.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-027/08:44:34.3
9579	M1O	04-027/08:55:49.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-027/08:44:35.5
9580	M1O	04-027/08:56:54.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-027/08:45:40.3
9581	M1O	04-027/08:56:55.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-027/08:45:41.3
9582	M1O	04-027/08:56:56.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-027/08:45:42.3
9583	M1O	04-027/08:56:57.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-027/08:45:43.3
9584	M1O	04-027/08:56:58.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-027/08:45:44.3
9585	M1O	04-027/08:56:59.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK,	UHF_RCV_MODE	04-027/08:45:45.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT		
9586	M1O	04-027/08:57:00.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-027/08:45:46.3
9587	M1O	04-027/08:58:50.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/08:47:36.3
9588	M1O	04-027/08:59:00.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-027/08:47:46.3
9589	M1O	04-027/09:00:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9590	M1O	04-027/09:05:00.0	43	Range Modulation On: SUP=3.0dB		
9591	M1O	04-027/09:06:00.0	43	Begin Ranging Acquisition		
9592	M1O	04-027/09:09:33.7		NOTE: Enter Solar Eclipse 9400		04-027/08:58:19.8
9593	M1O	04-027/09:11:04.1		NOTE: Ascending Node Crossing 9400		04-027/08:59:50.2
9594	M1O	04-027/09:16:08.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-027/09:04:54.3
9595	M1O	04-027/09:16:09.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-027/09:04:55.4
9596	M1O	04-027/09:16:19.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-027/09:05:05.4
9597	M1O	04-027/09:16:20.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-027/09:05:06.4
9598	M1O	04-027/09:16:21.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-027/09:05:07.4
9599	M1O	04-027/09:16:21.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9600	M1O	04-027/09:16:22.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-027/09:05:08.4
9601	M1O	04-027/09:21:20.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/09:10:07.0
9602	M1O	04-027/09:21:20.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9603	M1O	04-027/09:21:25.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-027/09:10:11.1
9604	M1O	04-027/09:21:27.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/09:10:13.2
9605	M1O	04-027/09:21:27.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9606	M1O	04-027/09:21:28.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-027/09:10:14.2
9607	M1O	04-027/09:22:27.6	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9608	M1O	04-027/09:25:44.6		NOTE: Exit Solar Eclipse 9400		04-027/09:14:30.7
9609	M1O	04-027/09:27:27.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/09:16:13.2
9610	M1O	04-027/09:27:27.1	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9611	M1O	04-027/09:27:28.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-027/09:16:14.2
9612	M1O	04-027/09:39:59.3		NOTE: Apoapsis 9400 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9627	M1O	04-027/09:45:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
9628	M1O	04-027/09:53:51.2		NOTE: Exit Planetary Atmosphere 9400		04-027/09:42:37.2
9629	M1O	04-027/10:00:06.0		SPAWN, Engine = 65535, Parameters = 027, 02, TRUE, 00:17:58, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-027/09:48:52.0
9630	M1O	04-027/10:00:06.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/09:48:52.5
9631	M1O	04-027/10:00:06.5	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9632	M1O	04-027/10:00:07.1		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	04-027/09:48:53.1
9633	M1O	04-027/10:00:09.1		CALL, Engine = , Parameters = 253	get_cmd_opt	04-027/09:48:55.1
9634	M1O	04-027/10:00:09.4		CALL, Engine = , Parameters = 027, 02, 253	bld_autosw	04-027/09:48:55.4
9635	M1O	04-027/10:00:10.5		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-027/09:48:56.5
9636	M1O	04-027/10:00:11.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:48:57.6
9637	M1O	04-027/10:00:12.6		Deletes the designated file.: d:/dat/253_doy027_pass02_file01.dat	FILE_DELETE	04-027/09:48:58.6
9638	M1O	04-027/10:00:13.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:48:59.7
9639	M1O	04-027/10:00:14.7		Deletes the designated file.: d:/dat/253_doy027_pass02_file02.dat	FILE_DELETE	04-027/09:49:00.7
9640	M1O	04-027/10:00:15.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:01.8
9641	M1O	04-027/10:00:16.8		Deletes the designated file.: d:/dat/253_doy027_pass02_file03.dat	FILE_DELETE	04-027/09:49:02.8
9642	M1O	04-027/10:00:17.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:03.9
9643	M1O	04-027/10:00:18.9		Deletes the designated file.: d:/dat/253_doy027_pass02_file04.dat	FILE_DELETE	04-027/09:49:04.9
9644	M1O	04-027/10:00:20.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:06.0
9645	M1O	04-027/10:00:21.0		Deletes the designated file.: d:/dat/253_doy027_pass02_file05.dat	FILE_DELETE	04-027/09:49:07.0
9646	M1O	04-027/10:00:22.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:08.1
9647	M1O	04-027/10:00:23.1		Deletes the designated file.: d:/dat/253_doy027_pass02_file06.dat	FILE_DELETE	04-027/09:49:09.1
9648	M1O	04-027/10:00:24.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:10.2
9649	M1O	04-027/10:00:25.2		Deletes the designated file.: d:/dat/253_doy027_pass02_file07.dat	FILE_DELETE	04-027/09:49:11.2
9650	M1O	04-027/10:00:26.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:12.3
9651	M1O	04-027/10:00:27.3		Deletes the designated file.: d:/dat/253_doy027_pass02_file08.dat	FILE_DELETE	04-027/09:49:13.3
9652	M1O	04-027/10:00:28.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:14.4
9653	M1O	04-027/10:00:29.4		Deletes the designated file.: d:/dat/253_doy027_pass02_file09.dat	FILE_DELETE	04-027/09:49:15.4
9654	M1O	04-027/10:00:30.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:16.5
9655	M1O	04-027/10:00:31.5		Deletes the designated file.: d:/dat/253_doy027_pass02_file10.dat	FILE_DELETE	04-027/09:49:17.5
9656	M1O	04-027/10:00:32.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:18.6
9657	M1O	04-027/10:00:33.6		Deletes the designated file.: d:/dat/253_doy027_pass02_file11.dat	FILE_DELETE	04-027/09:49:19.6
9658	M1O	04-027/10:00:34.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:20.7
9659	M1O	04-027/10:00:35.7		Deletes the designated file.: d:/dat/253_doy027_pass02_file12.dat	FILE_DELETE	04-027/09:49:21.7
9660	M1O	04-027/10:00:36.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:22.8
9661	M1O	04-027/10:00:37.8		Deletes the designated file.: d:/dat/253_doy027_pass02_file13.dat	FILE_DELETE	04-027/09:49:23.8
9662	M1O	04-027/10:00:38.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:24.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9663	M1O	04-027/10:00:39.9		Deletes the designated file.: d:/dat/253_doy027_pass02_file14.dat	FILE_DELETE	04-027/09:49:25.9
9664	M1O	04-027/10:00:41.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:27.0
9665	M1O	04-027/10:00:42.0		Deletes the designated file.: d:/dat/253_doy027_pass02_file15.dat	FILE_DELETE	04-027/09:49:28.0
9666	M1O	04-027/10:00:43.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:29.1
9667	M1O	04-027/10:00:44.1		Deletes the designated file.: d:/dat/253_doy027_pass02_file16.dat	FILE_DELETE	04-027/09:49:30.1
9668	M1O	04-027/10:00:45.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:31.2
9669	M1O	04-027/10:00:46.2		Deletes the designated file.: d:/dat/253_doy027_pass02_file17.dat	FILE_DELETE	04-027/09:49:32.2
9670	M1O	04-027/10:00:47.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:33.3
9671	M1O	04-027/10:00:48.3		Deletes the designated file.: d:/dat/253_doy027_pass02_file18.dat	FILE_DELETE	04-027/09:49:34.3
9672	M1O	04-027/10:00:49.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/09:49:35.4
9673	M1O	04-027/10:00:50.4		Deletes the designated file.: d:/dat/253_doy027_pass02_file19.dat	FILE_DELETE	04-027/09:49:36.4
9674	M1O	04-027/10:00:51.4		CALL, Engine = , Parameters = 253	get_apid	04-027/09:49:37.4
9675	M1O	04-027/10:00:52.5		CALL, Engine = , Parameters = 253	get_rcv_mode	04-027/09:49:38.5
9676	M1O	04-027/10:00:52.7		CALL, Engine = , Parameters = 253	get_dl_rate	04-027/09:49:38.7
9677	M1O	04-027/10:00:53.8		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-027/09:49:39.8
9678	M1O	04-027/10:00:55.1		CALL, Engine = , Parameters = 253	get_coding	04-027/09:49:41.1
9679	M1O	04-027/10:00:56.3		CALL, Engine = , Parameters = 253	get_xmt_mode	04-027/09:49:42.3
9680	M1O	04-027/10:00:57.5		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-027/09:49:43.5
9681	M1O	04-027/10:02:02.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-027/09:50:48.3
9682	M1O	04-027/10:02:03.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-027/09:50:49.3
9683	M1O	04-027/10:02:04.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-027/09:50:50.3
9684	M1O	04-027/10:02:05.3		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-027/09:50:51.3
9685	M1O	04-027/10:02:06.3		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-027/09:50:52.3
9686	M1O	04-027/10:02:07.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-027/09:50:53.3
9687	M1O	04-027/10:02:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-027/09:50:54.3
9688	M1O	04-027/10:03:58.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/09:52:44.3
9689	M1O	04-027/10:04:08.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-027/09:52:54.3
9690	M1O	04-027/10:11:04.1		NOTE: Descending Node Crossing 9401		04-027/09:59:50.0
9691	M1O	04-027/10:20:04.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-027/10:08:50.3
9692	M1O	04-027/10:20:05.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-027/10:08:51.4
9693	M1O	04-027/10:20:15.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-027/10:09:01.4
9694	M1O	04-027/10:20:16.4		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	04-027/10:09:02.4
9695	M1O	04-027/10:20:17.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-027/10:09:03.4
9696	M1O	04-027/10:20:17.4	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9697	M1O	04-027/10:20:18.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-027/10:09:04.4
9698	M1O	04-027/10:25:17.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/10:14:03.0
9699	M1O	04-027/10:25:17.1	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9700	M1O	04-027/10:39:29.3		NOTE: Periapsis 9401 ----------		04-027/10:28:15.2
9701	M1O	04-027/10:40:21.3		NOTE: South Pole Crossing 9401		04-027/10:29:07.2
9702	M1O	04-027/10:56:17.1		SPAWN, Engine = 65535, Parameters = 027, 02, FALSE, 00:10:29.328, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-027/10:45:03.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9703	M1O	04-027/10:56:18.2		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	04-027/10:45:04.1
9704	M1O	04-027/10:56:20.2		CALL, Engine = , Parameters = 254	get_cmd_opt	04-027/10:45:06.1
9705	M1O	04-027/10:57:02.5		CALL, Engine = , Parameters = 254	get_apid	04-027/10:45:48.3
9706	M1O	04-027/10:57:03.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-027/10:45:49.4
9707	M1O	04-027/10:57:03.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-027/10:45:49.6
9708	M1O	04-027/10:57:04.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-027/10:45:50.7
9709	M1O	04-027/10:57:06.2		CALL, Engine = , Parameters = 254	get_coding	04-027/10:45:52.0
9710	M1O	04-027/10:57:07.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-027/10:45:53.2
9711	M1O	04-027/10:57:08.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-027/10:45:54.4
9712	M1O	04-027/10:58:13.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-027/10:46:59.2
9713	M1O	04-027/10:58:14.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-027/10:47:00.2
9714	M1O	04-027/10:58:15.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-027/10:47:01.2
9715	M1O	04-027/10:58:16.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-027/10:47:02.2
9716	M1O	04-027/10:58:17.4		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-027/10:47:03.2
9717	M1O	04-027/10:58:18.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-027/10:47:04.2
9718	M1O	04-027/10:58:19.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-027/10:47:05.2
9719	M1O	04-027/11:08:10.2		NOTE: Enter Solar Eclipse 9401		04-027/10:56:55.9
9720	M1O	04-027/11:08:44.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-027/10:57:30.5
9721	M1O	04-027/11:08:45.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-027/10:57:31.6
9722	M1O	04-027/11:08:55.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-027/10:57:41.6
9723	M1O	04-027/11:08:56.8		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	04-027/10:57:42.6
9724	M1O	04-027/11:09:40.8		NOTE: Ascending Node Crossing 9401		04-027/10:58:26.6
9725	M1O	04-027/11:24:20.8		NOTE: Exit Solar Eclipse 9401		04-027/11:13:06.5
9726	M1O	04-027/11:25:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
9727	M1O	04-027/11:30:00.0	63	Begin Tracking		
9728	M1O	04-027/11:30:00.0	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		
9729	M1O	04-027/11:35:00.0	43	Range Modulation Off		
9730	M1O	04-027/11:37:31.2	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
9731	M1O	04-027/11:38:17.6		NOTE: Apoapsis 9401 -		04-027/11:27:03.3
9732	M1O	04-027/11:39:41.6		NOTE: North Pole Crossing 9401		04-027/11:28:27.3
9733	M1O	04-027/11:40:00.0	43	X-Band Transmitter Off		
9734	M1O	04-027/11:42:07.5		NOTE: Enter Planetary Atmosphere 9401		04-027/11:30:53.2
9735	M1O	04-027/11:44:38.0	63	NOTE: Above Uplink Interlock Limit		
9736	M1O	04-027/11:45:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9737	M1O	04-027/11:50:00.0	63	Range Modulation On: SUP=3.0dB		
9738	M1O	04-027/11:51:00.0	63	Begin Ranging Acquisition		
9739	M1O	04-027/11:51:25.6		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-027/11:40:11.2
9740	M1O	04-027/11:51:27.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/11:40:13.3
9741	M1O	04-027/11:51:27.7	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9742	M1O	04-027/11:51:27.7	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		
9743	M1O	04-027/11:51:28.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-027/11:40:14.3
9744	M1O	04-027/11:51:48.0	43	NOTE: Below Uplink Interlock Limit		
9745	M1O	04-027/11:52:30.4		NOTE: Exit Planetary Atmosphere 9401		04-027/11:41:16.0
9746	M1O	04-027/11:57:27.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/11:46:13.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9747	M1O	04-027/11:57:27.7	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9748	M1O	04-027/11:57:27.7	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		
9749	M1O	04-027/11:57:28.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/11:46:13.8
9750	M1O	04-027/11:57:28.1	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9751	M1O	04-027/11:57:28.1	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		
9752	M1O	04-027/11:57:28.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-027/11:46:14.3
9753	M1O	04-027/12:00:00.0	43	End Tracking		
9754	M1O	04-027/12:02:28.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9755	M1O	04-027/12:06:24.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-027/11:55:10.0
9756	M1O	04-027/12:06:26.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/11:55:12.1
9757	M1O	04-027/12:06:27.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-027/11:55:13.1
9758	M1O	04-027/12:07:28.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9759	M1O	04-027/12:09:39.9		NOTE: Descending Node Crossing 9402		04-027/11:58:25.4
9760	M1O	04-027/12:12:26.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/12:01:12.1
9761	M1O	04-027/12:12:26.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9762	M1O	04-027/12:12:27.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-027/12:01:13.1
9763	M1O	04-027/12:15:00.0	43	End Post-Cal		
9764	M1O	04-027/12:24:59.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
9765	M1O	04-027/12:34:59.0	63	Range Modulation Off		
9766	M1O	04-027/12:37:59.7		NOTE: Periapsis 9402 ----------		04-027/12:26:45.2
9767	M1O	04-027/12:38:57.3		NOTE: South Pole Crossing 9402		04-027/12:27:42.7
9768	M1O	04-027/12:39:59.0	63	X-Band Transmitter Off		
9769	M1O	04-027/13:01:25.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-027/12:50:11.3
9770	M1O	04-027/13:01:28.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/12:50:13.4
9771	M1O	04-027/13:01:28.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9772	M1O	04-027/13:01:29.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-027/12:50:14.4
9773	M1O	04-027/13:02:28.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9774	M1O	04-027/13:06:46.6		NOTE: Enter Solar Eclipse 9402		04-027/12:55:32.0
9775	M1O	04-027/13:07:28.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/12:56:13.4
9776	M1O	04-027/13:07:28.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9777	M1O	04-027/13:07:29.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-027/12:56:14.4
9778	M1O	04-027/13:08:16.9		NOTE: Ascending Node Crossing 9402		04-027/12:57:02.3
9779	M1O	04-027/13:09:32.6		SPAWN, Engine = 65535, Parameters = 027, 03, FALSE, 00:04:49.793, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-027/12:58:18.0
9780	M1O	04-027/13:09:33.7		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	04-027/12:58:19.1
9781	M1O	04-027/13:09:35.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-027/12:58:21.1
9782	M1O	04-027/13:10:17.9		CALL, Engine = , Parameters = 56	get_apid	04-027/12:59:03.3
9783	M1O	04-027/13:10:19.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-027/12:59:04.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9784	M1O	04-027/13:10:19.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-027/12:59:04.6
9785	M1O	04-027/13:10:20.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-027/12:59:05.7
9786	M1O	04-027/13:10:21.5		CALL, Engine = , Parameters = 56	get_coding	04-027/12:59:06.9
9787	M1O	04-027/13:10:22.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-027/12:59:08.1
9788	M1O	04-027/13:10:23.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-027/12:59:09.3
9789	M1O	04-027/13:11:28.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-027/13:00:14.1
9790	M1O	04-027/13:11:29.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-027/13:00:15.1
9791	M1O	04-027/13:11:30.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-027/13:00:16.1
9792	M1O	04-027/13:11:31.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-027/13:00:17.1
9793	M1O	04-027/13:11:32.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-027/13:00:18.1
9794	M1O	04-027/13:11:33.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-027/13:00:19.1
9795	M1O	04-027/13:11:34.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-027/13:00:20.1
9796	M1O	04-027/13:16:20.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-027/13:05:05.8
9797	M1O	04-027/13:16:21.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-027/13:05:06.9
9798	M1O	04-027/13:16:31.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-027/13:05:16.9
9799	M1O	04-027/13:16:32.6		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	04-027/13:05:17.9
9800	M1O	04-027/13:22:59.8		NOTE: Exit Solar Eclipse 9402		04-027/13:11:45.1
9801	M1O	04-027/13:36:36.8		NOTE: Apoapsis 9402 -		04-027/13:25:22.1
9802	M1O	04-027/13:38:16.6		NOTE: North Pole Crossing 9402		04-027/13:27:01.8
9803	M1O	04-027/13:40:30.9		NOTE: Enter Planetary Atmosphere 9402		04-027/13:29:16.2
9804	M1O	04-027/13:51:14.1		NOTE: Exit Planetary Atmosphere 9402		04-027/13:39:59.3
9805	M1O	04-027/14:08:13.4		NOTE: Descending Node Crossing 9403		04-027/13:56:58.6
9806	M1O	04-027/14:36:33.1		NOTE: Periapsis 9403 ----------		04-027/14:25:18.2
9807	M1O	04-027/14:37:30.6		NOTE: South Pole Crossing 9403		04-027/14:26:15.7
9808	M1O	04-027/14:58:57.9		SPAWN, Engine = 65535, Parameters = 027, 04, FALSE, 00:19:38.154, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-027/14:47:43.0
9809	M1O	04-027/14:58:59.0		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	04-027/14:47:44.1
9810	M1O	04-027/14:59:01.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-027/14:47:46.1
9811	M1O	04-027/14:59:43.2		CALL, Engine = , Parameters = 56	get_apid	04-027/14:48:28.3
9812	M1O	04-027/14:59:44.3		CALL, Engine = , Parameters = 56	get_rcv_mode	04-027/14:48:29.4
9813	M1O	04-027/14:59:44.5		CALL, Engine = , Parameters = 56	get_dl_rate	04-027/14:48:29.6
9814	M1O	04-027/14:59:45.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-027/14:48:30.7
9815	M1O	04-027/14:59:46.8		CALL, Engine = , Parameters = 56	get_coding	04-027/14:48:31.9
9816	M1O	04-027/14:59:48.0		CALL, Engine = , Parameters = 56	get_xmt_mode	04-027/14:48:33.1
9817	M1O	04-027/14:59:49.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-027/14:48:34.3
9818	M1O	04-027/15:00:54.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-027/14:49:39.1
9819	M1O	04-027/15:00:55.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-027/14:49:40.1
9820	M1O	04-027/15:00:56.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-027/14:49:41.1
9821	M1O	04-027/15:00:57.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-027/14:49:42.1
9822	M1O	04-027/15:00:58.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-027/14:49:43.1
9823	M1O	04-027/15:00:59.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-027/14:49:44.1
9824	M1O	04-027/15:01:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-027/14:49:45.1
9825	M1O	04-027/15:05:19.2		NOTE: Enter Solar Eclipse 9403		04-027/14:54:04.2
9826	M1O	04-027/15:06:50.1		NOTE: Ascending Node Crossing 9403		04-027/14:55:35.1
9827	M1O	04-027/15:20:34.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-027/15:09:19.2
9828	M1O	04-027/15:20:35.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-027/15:09:20.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9829	M1O	04-027/15:20:45.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-027/15:09:30.3
9830	M1O	04-027/15:20:46.3		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	04-027/15:09:31.3
9831	M1O	04-027/15:21:36.1		NOTE: Exit Solar Eclipse 9403		04-027/15:10:21.1
9832	M1O	04-027/15:35:18.5		NOTE: Apoapsis 9403 -		04-027/15:24:03.4
9833	M1O	04-027/15:36:48.9		NOTE: North Pole Crossing 9403		04-027/15:25:33.8
9834	M1O	04-027/15:38:55.1		NOTE: Enter Planetary Atmosphere 9403		04-027/15:27:40.0
9835	M1O	04-027/15:49:51.0		NOTE: Exit Planetary Atmosphere 9403		04-027/15:38:35.8
9836	M1O	04-027/16:06:45.0		NOTE: Descending Node Crossing 9404		04-027/15:55:29.8
9837	M1O	04-027/16:35:00.8		NOTE: Periapsis 9404 ----------		04-027/16:23:45.5
9838	M1O	04-027/16:36:01.3		NOTE: South Pole Crossing 9404		04-027/16:24:46.0
9839	M1O	04-027/17:03:49.5		NOTE: Enter Solar Eclipse 9404		04-027/16:52:34.1
9840	M1O	04-027/17:05:00.0	14	Begin Pre-Cal		
9841	M1O	04-027/17:05:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
9842	M1O	04-027/17:05:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9843	M1O	04-027/17:05:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9844	M1O	04-027/17:05:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
9845	M1O	04-027/17:05:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
9846	M1O	04-027/17:05:00.0	14	Config: RCV: Parms:		
9847	M1O	04-027/17:05:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
9848	M1O	04-027/17:05:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
9849	M1O	04-027/17:05:00.0	14	Config: TXL		
9850	M1O	04-027/17:05:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
9851	M1O	04-027/17:05:00.0	14	Config: CMD		
9852	M1O	04-027/17:05:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
9853	M1O	04-027/17:05:20.2		NOTE: Ascending Node Crossing 9404		04-027/16:54:04.9
9854	M1O	04-027/17:20:03.5		NOTE: Exit Solar Eclipse 9404		04-027/17:08:48.1
9855	M1O	04-027/17:33:44.8		NOTE: Apoapsis 9404 -		04-027/17:22:29.3
9856	M1O	04-027/17:35:19.8		NOTE: North Pole Crossing 9404		04-027/17:24:04.3
9857	M1O	04-027/17:37:32.4		NOTE: Enter Planetary Atmosphere 9404		04-027/17:26:16.9
9858	M1O	04-027/17:48:16.5		NOTE: Exit Planetary Atmosphere 9404		04-027/17:37:01.0
9859	M1O	04-027/18:05:16.5		NOTE: Descending Node Crossing 9405		04-027/17:54:00.9
9860	M1O	04-027/18:33:12.0		NOTE: Periapsis 9405 ----------		04-027/18:21:56.3
9861	M1O	04-027/18:34:32.7		NOTE: South Pole Crossing 9405		04-027/18:23:17.0
9862	M1O	04-027/19:02:24.5		NOTE: Enter Solar Eclipse 9405		04-027/18:51:08.7
9863	M1O	04-027/19:03:52.4		NOTE: Ascending Node Crossing 9405		04-027/18:52:36.6
9864	M1O	04-027/19:05:00.0	14	Begin Tracking		
9865	M1O	04-027/19:05:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9866	M1O	04-027/19:16:53.0	14	NOTE: Above Uplink Interlock Limit		
9867	M1O	04-027/19:18:29.0		NOTE: Exit Solar Eclipse 9405		04-027/19:07:13.2
9868	M1O	04-027/19:20:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9869	M1O	04-027/19:25:00.0	14	Range Modulation On: SUP=3.0dB		
9870	M1O	04-027/19:26:00.0	14	Begin Ranging Acquisition		
9871	M1O	04-027/19:30:00.0	63	End Tracking		
9872	M1O	04-027/19:30:00.0	63	End Post-Cal		
9873	M1O	04-027/19:32:02.1		NOTE: Apoapsis 9405 -		04-027/19:20:46.3
9874	M1O	04-027/19:33:53.0		NOTE: North Pole Crossing 9405		04-027/19:22:37.1
9875	M1O	04-027/19:36:19.4		NOTE: Enter Planetary Atmosphere 9405		04-027/19:25:03.5
9876	M1O	04-027/19:41:29.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-027/19:30:13.4
9877	M1O	04-027/19:41:31.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/19:30:15.5
9878	M1O	04-027/19:41:31.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9879	M1O	04-027/19:41:32.4		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-027/19:30:16.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
9880	M1O	04-027/19:42:31.6	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9881	M1O	04-027/19:46:38.5		NOTE: Exit Planetary Atmosphere 9405		04-027/19:35:22.6
9882	M1O	04-027/19:47:31.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/19:36:15.5
9883	M1O	04-027/19:47:31.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9884	M1O	04-027/19:47:32.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-027/19:36:16.5
9885	M1O	04-027/20:01:18.9		SPAWN, Engine = 65535, Parameters = 027, 03, FALSE, 00:12:52.608, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-027/19:50:03.0
9886	M1O	04-027/20:01:20.0		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	04-027/19:50:04.1
9887	M1O	04-027/20:01:22.0		CALL, Engine = , Parameters = 254	get_cmd_opt	04-027/19:50:06.1
9888	M1O	04-027/20:02:04.2		CALL, Engine = , Parameters = 254	get_apid	04-027/19:50:48.3
9889	M1O	04-027/20:02:05.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-027/19:50:49.4
9890	M1O	04-027/20:02:05.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-027/19:50:49.6
9891	M1O	04-027/20:02:06.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-027/19:50:50.7
9892	M1O	04-027/20:02:07.9		CALL, Engine = , Parameters = 254	get_coding	04-027/19:50:52.0
9893	M1O	04-027/20:02:09.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-027/19:50:53.2
9894	M1O	04-027/20:02:10.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-027/19:50:54.4
9895	M1O	04-027/20:03:15.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-027/19:51:59.2
9896	M1O	04-027/20:03:16.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-027/19:52:00.2
9897	M1O	04-027/20:03:17.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-027/19:52:01.2
9898	M1O	04-027/20:03:18.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-027/19:52:02.2
9899	M1O	04-027/20:03:19.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-027/19:52:03.2
9900	M1O	04-027/20:03:20.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-027/19:52:04.2
9901	M1O	04-027/20:03:21.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-027/19:52:05.2
9902	M1O	04-027/20:03:50.3		NOTE: Descending Node Crossing 9406		04-027/19:52:34.3
9903	M1O	04-027/20:16:09.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-027/20:04:53.8
9904	M1O	04-027/20:16:10.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-027/20:04:54.9
9905	M1O	04-027/20:16:20.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-027/20:05:04.9
9906	M1O	04-027/20:16:21.8		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	04-027/20:05:05.9
9907	M1O	04-027/20:31:50.8		NOTE: Periapsis 9406 ----------		04-027/20:20:34.8
9908	M1O	04-027/20:33:07.9		NOTE: South Pole Crossing 9406		04-027/20:21:51.8
9909	M1O	04-027/20:51:21.0		SPAWN, Engine = 65535, Parameters = 027, 03, TRUE, 00:18:09, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-027/20:40:05.0
9910	M1O	04-027/20:51:21.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/20:40:05.5
9911	M1O	04-027/20:51:21.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9912	M1O	04-027/20:51:22.1		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	04-027/20:40:06.1
9913	M1O	04-027/20:51:24.1		CALL, Engine = , Parameters = 253	get_cmd_opt	04-027/20:40:08.1
9914	M1O	04-027/20:51:24.4		CALL, Engine = , Parameters = 027, 03, 253	bld_autosw	04-027/20:40:08.4
9915	M1O	04-027/20:51:25.5		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-027/20:40:09.5
9916	M1O	04-027/20:51:26.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:10.6
9917	M1O	04-027/20:51:27.6		Deletes the designated file.: d:/dat/253_doy027_pass03_file01.dat	FILE_DELETE	04-027/20:40:11.6
9918	M1O	04-027/20:51:28.7		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-027/20:40:12.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/253_doy027_pass03_file02.dat, d:/dat/autoswitch.dat		
9919	M1O	04-027/20:51:29.7		Deletes the designated file.: d:/dat/253_doy027_pass03_file02.dat	FILE_DELETE	04-027/20:40:13.7
9920	M1O	04-027/20:51:30.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:14.8
9921	M1O	04-027/20:51:31.8		Deletes the designated file.: d:/dat/253_doy027_pass03_file03.dat	FILE_DELETE	04-027/20:40:15.8
9922	M1O	04-027/20:51:32.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:16.9
9923	M1O	04-027/20:51:33.9		Deletes the designated file.: d:/dat/253_doy027_pass03_file04.dat	FILE_DELETE	04-027/20:40:17.9
9924	M1O	04-027/20:51:35.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:19.0
9925	M1O	04-027/20:51:36.0		Deletes the designated file.: d:/dat/253_doy027_pass03_file05.dat	FILE_DELETE	04-027/20:40:20.0
9926	M1O	04-027/20:51:37.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:21.1
9927	M1O	04-027/20:51:38.1		Deletes the designated file.: d:/dat/253_doy027_pass03_file06.dat	FILE_DELETE	04-027/20:40:22.1
9928	M1O	04-027/20:51:39.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:23.2
9929	M1O	04-027/20:51:40.2		Deletes the designated file.: d:/dat/253_doy027_pass03_file07.dat	FILE_DELETE	04-027/20:40:24.2
9930	M1O	04-027/20:51:41.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:25.3
9931	M1O	04-027/20:51:42.3		Deletes the designated file.: d:/dat/253_doy027_pass03_file08.dat	FILE_DELETE	04-027/20:40:26.3
9932	M1O	04-027/20:51:43.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:27.4
9933	M1O	04-027/20:51:44.4		Deletes the designated file.: d:/dat/253_doy027_pass03_file09.dat	FILE_DELETE	04-027/20:40:28.4
9934	M1O	04-027/20:51:45.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:29.5
9935	M1O	04-027/20:51:46.5		Deletes the designated file.: d:/dat/253_doy027_pass03_file10.dat	FILE_DELETE	04-027/20:40:30.5
9936	M1O	04-027/20:51:47.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:31.6
9937	M1O	04-027/20:51:48.6		Deletes the designated file.: d:/dat/253_doy027_pass03_file11.dat	FILE_DELETE	04-027/20:40:32.6
9938	M1O	04-027/20:51:49.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:33.7
9939	M1O	04-027/20:51:50.7		Deletes the designated file.: d:/dat/253_doy027_pass03_file12.dat	FILE_DELETE	04-027/20:40:34.7
9940	M1O	04-027/20:51:51.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:35.8
9941	M1O	04-027/20:51:52.8		Deletes the designated file.: d:/dat/253_doy027_pass03_file13.dat	FILE_DELETE	04-027/20:40:36.8
9942	M1O	04-027/20:51:53.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:37.9
9943	M1O	04-027/20:51:54.9		Deletes the designated file.: d:/dat/253_doy027_pass03_file14.dat	FILE_DELETE	04-027/20:40:38.9
9944	M1O	04-027/20:51:56.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:40.0
9945	M1O	04-027/20:51:57.0		Deletes the designated file.: d:/dat/253_doy027_pass03_file15.dat	FILE_DELETE	04-027/20:40:41.0
9946	M1O	04-027/20:51:58.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:42.1
9947	M1O	04-027/20:51:59.1		Deletes the designated file.: d:/dat/253_doy027_pass03_file16.dat	FILE_DELETE	04-027/20:40:43.1
9948	M1O	04-027/20:52:00.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:44.2
9949	M1O	04-027/20:52:01.2		Deletes the designated file.: d:/dat/253_doy027_pass03_file17.dat	FILE_DELETE	04-027/20:40:45.2
9950	M1O	04-027/20:52:02.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:46.3
9951	M1O	04-027/20:52:03.3		Deletes the designated file.: d:/dat/253_doy027_pass03_file18.dat	FILE_DELETE	04-027/20:40:47.3
9952	M1O	04-027/20:52:04.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy027_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/20:40:48.4
9953	M1O	04-027/20:52:05.4		Deletes the designated file.: d:/dat/253_doy027_pass03_file19.dat	FILE_DELETE	04-027/20:40:49.4
9954	M1O	04-027/20:52:06.4		CALL, Engine = , Parameters = 253	get_apid	04-027/20:40:50.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9955	M1O	04-027/20:52:07.5		CALL, Engine = , Parameters = 253	get_rcv_mode	04-027/20:40:51.5
9956	M1O	04-027/20:52:07.7		CALL, Engine = , Parameters = 253	get_dl_rate	04-027/20:40:51.7
9957	M1O	04-027/20:52:08.8		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-027/20:40:52.8
9958	M1O	04-027/20:52:10.1		CALL, Engine = , Parameters = 253	get_coding	04-027/20:40:54.1
9959	M1O	04-027/20:52:11.3		CALL, Engine = , Parameters = 253	get_xmt_mode	04-027/20:40:55.3
9960	M1O	04-027/20:52:12.5		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-027/20:40:56.5
9961	M1O	04-027/20:53:17.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-027/20:42:01.3
9962	M1O	04-027/20:53:18.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-027/20:42:02.3
9963	M1O	04-027/20:53:19.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-027/20:42:03.3
9964	M1O	04-027/20:53:20.4		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-027/20:42:04.3
9965	M1O	04-027/20:53:21.4		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-027/20:42:05.3
9966	M1O	04-027/20:53:22.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-027/20:42:06.3
9967	M1O	04-027/20:53:23.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-027/20:42:07.3
9968	M1O	04-027/20:55:13.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/20:43:57.3
9969	M1O	04-027/20:55:23.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-027/20:44:07.3
9970	M1O	04-027/21:01:01.9		NOTE: Enter Solar Eclipse 9406		04-027/20:49:45.8
9971	M1O	04-027/21:02:28.6		NOTE: Ascending Node Crossing 9406		04-027/20:51:12.5
9972	M1O	04-027/21:11:30.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-027/21:00:14.3
9973	M1O	04-027/21:11:31.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-027/21:00:15.4
9974	M1O	04-027/21:11:41.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-027/21:00:25.4
9975	M1O	04-027/21:11:42.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-027/21:00:26.4
9976	M1O	04-027/21:11:43.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-027/21:00:27.4
9977	M1O	04-027/21:11:43.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9978	M1O	04-027/21:11:44.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-027/21:00:28.4
9979	M1O	04-027/21:16:43.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/21:05:27.0
9980	M1O	04-027/21:16:43.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9981	M1O	04-027/21:17:02.2		NOTE: Exit Solar Eclipse 9406		04-027/21:05:46.0
9982	M1O	04-027/21:30:49.5		NOTE: Apoapsis 9406 -		04-027/21:19:33.3
9983	M1O	04-027/21:32:28.8		NOTE: North Pole Crossing 9406		04-027/21:21:12.6
9984	M1O	04-027/21:35:01.6		NOTE: Enter Planetary Atmosphere 9406		04-027/21:23:45.4
9985	M1O	04-027/21:45:07.5		NOTE: Exit Planetary Atmosphere 9406		04-027/21:33:51.3
9986	M1O	04-027/21:55:29.3		SPAWN, Engine = 65535, Parameters = 027, 04, TRUE, 00:18:45, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-027/21:44:13.0
9987	M1O	04-027/21:55:29.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/21:44:13.5
9988	M1O	04-027/21:55:29.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9989	M1O	04-027/21:55:30.4		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	04-027/21:44:14.1
9990	M1O	04-027/21:55:32.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-027/21:44:16.1
9991	M1O	04-027/21:55:32.7		CALL, Engine = , Parameters = 027, 04, 254	bld_autosw	04-027/21:44:16.4
9992	M1O	04-027/21:55:33.8		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-027/21:44:17.5
9993	M1O	04-027/21:55:34.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:18.6
9994	M1O	04-027/21:55:35.9		Deletes the designated file.: d:/dat/254_doy027_pass04_file01.dat	FILE_DELETE	04-027/21:44:19.6
9995	M1O	04-027/21:55:37.0		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-027/21:44:20.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy027_pass04_file02.dat, d:/dat/autoswitch.dat		
9996	M1O	04-027/21:55:38.0		Deletes the designated file.: d:/dat/254_doy027_pass04_file02.dat	FILE_DELETE	04-027/21:44:21.7
9997	M1O	04-027/21:55:39.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:22.8
9998	M1O	04-027/21:55:40.1		Deletes the designated file.: d:/dat/254_doy027_pass04_file03.dat	FILE_DELETE	04-027/21:44:23.8
9999	M1O	04-027/21:55:41.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:24.9
10000	M1O	04-027/21:55:42.2		Deletes the designated file.: d:/dat/254_doy027_pass04_file04.dat	FILE_DELETE	04-027/21:44:25.9
10001	M1O	04-027/21:55:43.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:27.0
10002	M1O	04-027/21:55:44.3		Deletes the designated file.: d:/dat/254_doy027_pass04_file05.dat	FILE_DELETE	04-027/21:44:28.0
10003	M1O	04-027/21:55:45.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:29.1
10004	M1O	04-027/21:55:46.4		Deletes the designated file.: d:/dat/254_doy027_pass04_file06.dat	FILE_DELETE	04-027/21:44:30.1
10005	M1O	04-027/21:55:47.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:31.2
10006	M1O	04-027/21:55:48.5		Deletes the designated file.: d:/dat/254_doy027_pass04_file07.dat	FILE_DELETE	04-027/21:44:32.2
10007	M1O	04-027/21:55:49.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:33.3
10008	M1O	04-027/21:55:50.6		Deletes the designated file.: d:/dat/254_doy027_pass04_file08.dat	FILE_DELETE	04-027/21:44:34.3
10009	M1O	04-027/21:55:51.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:35.4
10010	M1O	04-027/21:55:52.7		Deletes the designated file.: d:/dat/254_doy027_pass04_file09.dat	FILE_DELETE	04-027/21:44:36.4
10011	M1O	04-027/21:55:53.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:37.5
10012	M1O	04-027/21:55:54.8		Deletes the designated file.: d:/dat/254_doy027_pass04_file10.dat	FILE_DELETE	04-027/21:44:38.5
10013	M1O	04-027/21:55:55.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:39.6
10014	M1O	04-027/21:55:56.9		Deletes the designated file.: d:/dat/254_doy027_pass04_file11.dat	FILE_DELETE	04-027/21:44:40.6
10015	M1O	04-027/21:55:58.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:41.7
10016	M1O	04-027/21:55:59.0		Deletes the designated file.: d:/dat/254_doy027_pass04_file12.dat	FILE_DELETE	04-027/21:44:42.7
10017	M1O	04-027/21:56:00.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:43.8
10018	M1O	04-027/21:56:01.1		Deletes the designated file.: d:/dat/254_doy027_pass04_file13.dat	FILE_DELETE	04-027/21:44:44.8
10019	M1O	04-027/21:56:02.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:45.9
10020	M1O	04-027/21:56:03.2		Deletes the designated file.: d:/dat/254_doy027_pass04_file14.dat	FILE_DELETE	04-027/21:44:46.9
10021	M1O	04-027/21:56:04.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:48.0
10022	M1O	04-027/21:56:05.3		Deletes the designated file.: d:/dat/254_doy027_pass04_file15.dat	FILE_DELETE	04-027/21:44:49.0
10023	M1O	04-027/21:56:06.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:50.1
10024	M1O	04-027/21:56:07.4		Deletes the designated file.: d:/dat/254_doy027_pass04_file16.dat	FILE_DELETE	04-027/21:44:51.1
10025	M1O	04-027/21:56:08.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:52.2
10026	M1O	04-027/21:56:09.5		Deletes the designated file.: d:/dat/254_doy027_pass04_file17.dat	FILE_DELETE	04-027/21:44:53.2
10027	M1O	04-027/21:56:10.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:54.3
10028	M1O	04-027/21:56:11.6		Deletes the designated file.: d:/dat/254_doy027_pass04_file18.dat	FILE_DELETE	04-027/21:44:55.3
10029	M1O	04-027/21:56:12.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy027_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-027/21:44:56.4
10030	M1O	04-027/21:56:13.7		Deletes the designated file.: d:/dat/254_doy027_pass04_file19.dat	FILE_DELETE	04-027/21:44:57.4
10031	M1O	04-027/21:56:14.7		CALL, Engine = , Parameters = 254	get_apid	04-027/21:44:58.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10032	M1O	04-027/21:56:15.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-027/21:44:59.5
10033	M1O	04-027/21:56:16.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-027/21:44:59.7
10034	M1O	04-027/21:56:17.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-027/21:45:00.8
10035	M1O	04-027/21:56:18.4		CALL, Engine = , Parameters = 254	get_coding	04-027/21:45:02.1
10036	M1O	04-027/21:56:19.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-027/21:45:03.3
10037	M1O	04-027/21:56:20.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-027/21:45:04.5
10038	M1O	04-027/21:57:25.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-027/21:46:09.3
10039	M1O	04-027/21:57:26.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-027/21:46:10.3
10040	M1O	04-027/21:57:27.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-027/21:46:11.3
10041	M1O	04-027/21:57:28.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-027/21:46:12.3
10042	M1O	04-027/21:57:29.6		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-027/21:46:13.3
10043	M1O	04-027/21:57:30.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-027/21:46:14.3
10044	M1O	04-027/21:57:31.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-027/21:46:15.3
10045	M1O	04-027/21:59:21.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-027/21:48:05.3
10046	M1O	04-027/21:59:31.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-027/21:48:15.3
10047	M1O	04-027/22:02:26.2		NOTE: Descending Node Crossing 9407		04-027/21:51:09.9
10048	M1O	04-027/22:16:14.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-027/22:04:58.3
10049	M1O	04-027/22:16:15.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-027/22:04:59.4
10050	M1O	04-027/22:16:25.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-027/22:05:09.4
10051	M1O	04-027/22:16:26.7		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	04-027/22:05:10.4
10052	M1O	04-027/22:16:27.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-027/22:05:11.4
10053	M1O	04-027/22:16:27.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10054	M1O	04-027/22:16:28.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-027/22:05:12.4
10055	M1O	04-027/22:21:27.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-027/22:10:11.0
10056	M1O	04-027/22:21:27.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10057	M1O	04-027/22:30:51.1		NOTE: Periapsis 9407 ----------		04-027/22:19:34.7
10058	M1O	04-027/22:31:44.7		NOTE: South Pole Crossing 9407		04-027/22:20:28.3
10059	M1O	04-027/22:50:10.4		SPAWN, Engine = 65535, Parameters = 027, 04, FALSE, 00:15:13.823, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-027/22:38:54.0
10060	M1O	04-027/22:50:11.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-027/22:38:55.1
10061	M1O	04-027/22:50:13.5		CALL, Engine = , Parameters = 253	get_cmd_opt	04-027/22:38:57.1
10062	M1O	04-027/22:50:55.7		CALL, Engine = , Parameters = 253	get_apid	04-027/22:39:39.3
10063	M1O	04-027/22:50:56.8		CALL, Engine = , Parameters = 253	get_rcv_mode	04-027/22:39:40.4
10064	M1O	04-027/22:50:57.0		CALL, Engine = , Parameters = 253	get_dl_rate	04-027/22:39:40.6
10065	M1O	04-027/22:50:58.1		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-027/22:39:41.7
10066	M1O	04-027/22:50:59.4		CALL, Engine = , Parameters = 253	get_coding	04-027/22:39:43.0
10067	M1O	04-027/22:51:00.6		CALL, Engine = , Parameters = 253	get_xmt_mode	04-027/22:39:44.2
10068	M1O	04-027/22:51:01.8		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-027/22:39:45.4
10069	M1O	04-027/22:52:06.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-027/22:40:50.2
10070	M1O	04-027/22:52:07.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-027/22:40:51.2
10071	M1O	04-027/22:52:08.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-027/22:40:52.2
10072	M1O	04-027/22:52:09.6		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-027/22:40:53.2
10073	M1O	04-027/22:52:10.6		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-027/22:40:54.2
10074	M1O	04-027/22:52:11.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-027/22:40:55.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10075	M1O	04-027/22:52:12.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-027/22:40:56.2
10076	M1O	04-027/22:59:37.2		NOTE: Enter Solar Eclipse 9407		04-027/22:48:20.7
10077	M1O	04-027/23:01:05.5		NOTE: Ascending Node Crossing 9407		04-027/22:49:49.0
10078	M1O	04-027/23:07:22.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-027/22:56:06.0
10079	M1O	04-027/23:07:23.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-027/22:56:07.1
10080	M1O	04-027/23:07:33.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-027/22:56:17.1
10081	M1O	04-027/23:07:34.6		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	04-027/22:56:18.1
10082	M1O	04-027/23:15:39.3		NOTE: Exit Solar Eclipse 9407		04-027/23:04:22.7
10083	M1O	04-027/23:29:56.0		NOTE: Apoapsis 9407 -		04-027/23:18:39.4
10084	M1O	04-027/23:31:05.3		NOTE: North Pole Crossing 9407		04-027/23:19:48.7
10085	M1O	04-027/23:33:39.4		NOTE: Enter Planetary Atmosphere 9407		04-027/23:22:22.7
10086	M1O	04-027/23:43:40.7		NOTE: Exit Planetary Atmosphere 9407		04-027/23:32:24.0
10087	M1O	04-028/00:00:00.0		Light Time: OWLT = 11:16, RTLT = 22:33		
10088	M1O	04-028/00:00:00.0	25	Begin Pre-Cal		
10089	M1O	04-028/00:00:00.0	25	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10090	M1O	04-028/00:00:00.0	25	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10091	M1O	04-028/00:00:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10092	M1O	04-028/00:00:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10093	M1O	04-028/00:00:00.0	25	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
10094	M1O	04-028/00:00:00.0	25	Config: RCV: Parms:		
10095	M1O	04-028/00:00:00.0	25	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10096	M1O	04-028/00:00:00.0	25	Config: TGC: BAND=X, SR=221200.000000		
10097	M1O	04-028/00:00:00.0	25	Config: TXL		
10098	M1O	04-028/00:00:00.0	25	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
10099	M1O	04-028/00:00:00.0	25	Config: CMD		
10100	M1O	04-028/00:00:00.0	25	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
10101	M1O	04-028/00:01:02.8		NOTE: Descending Node Crossing 9408		04-027/23:49:46.1
10102	M1O	04-028/00:24:59.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
10103	M1O	04-028/00:29:46.1		NOTE: Periapsis 9408 ----------		04-028/00:18:29.4
10104	M1O	04-028/00:30:21.0		NOTE: South Pole Crossing 9408		04-028/00:19:04.2
10105	M1O	04-028/00:34:59.0	14	Range Modulation Off		
10106	M1O	04-028/00:39:59.0	14	X-Band Transmitter Off		
10107	M1O	04-028/00:58:10.0		NOTE: Enter Solar Eclipse 9408		04-028/00:46:53.1
10108	M1O	04-028/00:59:40.9		NOTE: Ascending Node Crossing 9408		04-028/00:48:24.0
10109	M1O	04-028/01:00:00.0	25	Begin Tracking		
10110	M1O	04-028/01:00:00.0	25	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10111	M1O	04-028/01:00:00.0	43	Begin Pre-Cal		
10112	M1O	04-028/01:00:00.0	43	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
10113	M1O	04-028/01:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10114	M1O	04-028/01:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10115	M1O	04-028/01:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10116	M1O	04-028/01:00:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
10117	M1O	04-028/01:00:00.0	43	Config: RCV: Parms:		
10118	M1O	04-028/01:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10119	M1O	04-028/01:00:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
10120	M1O	04-028/01:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
10121	M1O	04-028/01:01:00.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10122	M1O	04-028/01:01:30.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-028/00:50:13.5
10123	M1O	04-028/01:01:32.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/00:50:15.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10124	M1O	04-028/01:01:32.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10125	M1O	04-028/01:01:32.5	25	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10126	M1O	04-028/01:01:33.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-028/00:50:16.6
10127	M1O	04-028/01:02:32.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10128	M1O	04-028/01:02:32.6	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10129	M1O	04-028/01:06:00.0	25	Range Modulation On: SUP=3.0dB		
10130	M1O	04-028/01:07:00.0	25	Begin Ranging Acquisition		
10131	M1O	04-028/01:07:32.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-028/00:56:15.6
10132	M1O	04-028/01:07:32.6	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10133	M1O	04-028/01:07:32.6	25	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10134	M1O	04-028/01:07:33.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-028/00:56:16.6
10135	M1O	04-028/01:14:16.3		NOTE: Exit Solar Eclipse 9408		04-028/01:02:59.3
10136	M1O	04-028/01:22:31.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-028/01:11:14.5
10137	M1O	04-028/01:22:33.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/01:11:16.6
10138	M1O	04-028/01:22:33.6	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10139	M1O	04-028/01:22:33.6	25	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10140	M1O	04-028/01:22:34.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-028/01:11:17.6
10141	M1O	04-028/01:23:33.7	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		
10142	M1O	04-028/01:23:33.7	25	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10143	M1O	04-028/01:28:33.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-028/01:17:16.6
10144	M1O	04-028/01:28:33.6	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		
10145	M1O	04-028/01:28:33.6	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10146	M1O	04-028/01:28:34.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-028/01:17:17.6
10147	M1O	04-028/01:28:42.3		NOTE: Apoapsis 9408 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10163	M1O	04-028/01:50:25.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-028/01:39:08.1
10164	M1O	04-028/01:50:26.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-028/01:39:09.1
10165	M1O	04-028/01:50:27.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-028/01:39:10.1
10166	M1O	04-028/01:50:28.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-028/01:39:11.1
10167	M1O	04-028/01:50:29.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-028/01:39:12.1
10168	M1O	04-028/01:50:30.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-028/01:39:13.1
10169	M1O	04-028/01:55:23.0	25	Range Modulation Off		
10170	M1O	04-028/01:59:38.2		NOTE: Descending Node Crossing 9409		04-028/01:48:21.1
10171	M1O	04-028/02:00:23.0	25	X-Band Transmitter Off		
10172	M1O	04-028/02:02:10.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-028/01:50:53.8
10173	M1O	04-028/02:02:12.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-028/01:50:54.9
10174	M1O	04-028/02:02:22.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-028/01:51:04.9
10175	M1O	04-028/02:02:23.0		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	04-028/01:51:05.9
10176	M1O	04-028/02:12:39.1		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-028/02:01:22.0
10177	M1O	04-028/02:12:39.2		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-028/02:01:22.1
10178	M1O	04-028/02:12:40.2		Forces a desaturation of the reaction wheels.	RW_DESAT	04-028/02:01:23.1
10179	M1O	04-028/02:14:46.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-028/02:03:29.0
10180	M1O	04-028/02:15:01.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-026T02:03:29.100, 2004-028T02:03:29.100	PCKTS_RE_TX_TIME	04-028/02:03:44.8
10181	M1O	04-028/02:15:02.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-026T02:03:29.100, 2004-028T02:03:29.100	PCKTS_RE_TX_TIME	04-028/02:03:45.8
10182	M1O	04-028/02:15:03.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-026T02:03:29.100, 2004-028T02:03:29.100	PCKTS_RE_TX_TIME	04-028/02:03:46.8
10183	M1O	04-028/02:15:04.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-026T02:03:29.100, 2004-028T02:03:29.100	PCKTS_RE_TX_TIME	04-028/02:03:47.8
10184	M1O	04-028/02:15:05.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-026T02:03:29.100, 2004-028T02:03:29.100	PCKTS_RE_TX_TIME	04-028/02:03:48.8
10185	M1O	04-028/02:15:06.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-026T02:03:29.100, 2004-028T02:03:29.100	PCKTS_RE_TX_TIME	04-028/02:03:49.8
10186	M1O	04-028/02:15:06.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-028/02:03:49.8
10187	M1O	04-028/02:15:06.9	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		
10188	M1O	04-028/02:15:06.9	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10189	M1O	04-028/02:22:07.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/02:10:50.8
10190	M1O	04-028/02:22:07.9	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		
10191	M1O	04-028/02:22:07.9	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10192	M1O	04-028/02:22:08.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-028/02:10:51.8
10193	M1O	04-028/02:22:24.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-028/02:11:07.8
10194	M1O	04-028/02:22:24.9	14	D/L RF Warning: SC antenna change - expect signal level variation		
10195	M1O	04-028/02:22:24.9	25	D/L RF Warning: SC antenna change - expect signal level variation		
10196	M1O	04-028/02:22:25.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-028/02:11:08.8
10197	M1O	04-028/02:22:57.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10198	M1O	04-028/02:22:57.1	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10199	M1O	04-028/02:24:10.2		CALL, Engine = , Parameters = FALSE	park_hga	04-028/02:12:53.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10200	M1O	04-028/02:24:10.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/02:12:53.1
10201	M1O	04-028/02:24:11.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-028/02:12:54.1
10202	M1O	04-028/02:24:12.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-028/02:12:55.1
10203	M1O	04-028/02:24:12.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-028/02:12:55.1
10204	M1O	04-028/02:24:12.2		NOTE: START HGA PARK		
10205	M1O	04-028/02:24:12.2	14	NOTE: Loss Of X-Band Signal		
10206	M1O	04-028/02:24:12.2	25	NOTE: Loss Of X-Band Signal		
10207	M1O	04-028/02:24:13.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-028/02:12:56.1
10208	M1O	04-028/02:24:14.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-028/02:12:57.1
10209	M1O	04-028/02:28:17.5		NOTE: Periapsis 9409 ----------		04-028/02:17:00.3
10210	M1O	04-028/02:28:44.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-028/02:17:27.1
10211	M1O	04-028/02:28:55.1		NOTE: South Pole Crossing 9409		04-028/02:17:37.9
10212	M1O	04-028/02:32:14.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-028/02:20:57.1
10213	M1O	04-028/02:32:14.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-028/02:20:57.1
10214	M1O	04-028/02:56:41.1		NOTE: Enter Solar Eclipse 9409		04-028/02:45:23.9
10215	M1O	04-028/02:57:06.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10216	M1O	04-028/02:58:13.8		NOTE: Ascending Node Crossing 9409		04-028/02:46:56.6
10217	M1O	04-028/03:00:00.0	43	Begin Tracking		
10218	M1O	04-028/03:02:06.0	25	Range Modulation On: SUP=3.0dB		
10219	M1O	04-028/03:02:14.2		GV: GV_DESAT_ACTIVE = 1		04-028/02:50:57.0
10220	M1O	04-028/03:02:15.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-028/02:50:58.0
10221	M1O	04-028/03:02:15.2		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-028/02:50:58.0
10222	M1O	04-028/03:03:06.0	25	Begin Ranging Acquisition		
10223	M1O	04-028/03:12:14.3		GV: GV_DESAT_ACTIVE = 0		04-028/03:00:57.0
10224	M1O	04-028/03:12:15.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-028/03:00:58.0
10225	M1O	04-028/03:12:16.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-028/03:00:59.0
10226	M1O	04-028/03:12:17.3		CALL, Engine = , Parameters =	unpark_hga	04-028/03:01:00.0
10227	M1O	04-028/03:12:17.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-028/03:01:00.0
10228	M1O	04-028/03:12:18.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-028/03:01:01.0
10229	M1O	04-028/03:12:51.4		NOTE: Exit Solar Eclipse 9409		04-028/03:01:34.1
10230	M1O	04-028/03:16:48.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-028/03:05:31.0
10231	M1O	04-028/03:16:49.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-028/03:05:32.0
10232	M1O	04-028/03:19:14.9		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-028/03:07:57.5
10233	M1O	04-028/03:19:15.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/03:07:57.6
10234	M1O	04-028/03:19:16.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-028/03:07:58.6
10235	M1O	04-028/03:19:17.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-028/03:07:59.6
10236	M1O	04-028/03:19:18.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-028/03:08:00.6
10237	M1O	04-028/03:19:19.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-028/03:08:01.6
10238	M1O	04-028/03:19:29.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-028/03:08:11.6
10239	M1O	04-028/03:19:39.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-028/03:08:21.6
10240	M1O	04-028/03:20:00.0	14	End Tracking		
10241	M1O	04-028/03:20:49.3		NOTE: EXIT HGA PARK		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10242	M1O	04-028/03:20:49.3	25	Acquisition Of X-Band Signal		
10243	M1O	04-028/03:20:49.3	25	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10244	M1O	04-028/03:20:49.3	43	Acquisition Of X-Band Signal		
10245	M1O	04-028/03:20:49.3	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		
10246	M1O	04-028/03:24:39.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-028/03:13:21.6
10247	M1O	04-028/03:24:40.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-028/03:13:22.6
10248	M1O	04-028/03:24:40.0	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10249	M1O	04-028/03:24:40.0	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		
10250	M1O	04-028/03:24:41.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-028/03:13:23.6
10251	M1O	04-028/03:26:58.5		NOTE: Apoapsis 9409 -		04-028/03:15:41.1
10252	M1O	04-028/03:28:13.3		NOTE: North Pole Crossing 9409		04-028/03:16:56.0
10253	M1O	04-028/03:30:36.4		NOTE: Enter Planetary Atmosphere 9409		04-028/03:19:19.0
10254	M1O	04-028/03:35:00.0	14	End Post-Cal		
10255	M1O	04-028/03:40:56.9		NOTE: Exit Planetary Atmosphere 9409		04-028/03:29:39.5
10256	M1O	04-028/03:42:18.4		SPAWN, Engine = 65535, Parameters = 028, 02, FALSE, 00:19:11.614, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-028/03:31:01.0
10257	M1O	04-028/03:42:19.5		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	04-028/03:31:02.1
10258	M1O	04-028/03:42:21.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-028/03:31:04.1
10259	M1O	04-028/03:43:03.7		CALL, Engine = , Parameters = 56	get_apid	04-028/03:31:46.3
10260	M1O	04-028/03:43:04.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-028/03:31:47.4
10261	M1O	04-028/03:43:05.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-028/03:31:47.6
10262	M1O	04-028/03:43:06.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-028/03:31:48.7
10263	M1O	04-028/03:43:07.3		CALL, Engine = , Parameters = 56	get_coding	04-028/03:31:49.9
10264	M1O	04-028/03:43:08.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-028/03:31:51.1
10265	M1O	04-028/03:43:09.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-028/03:31:52.3
10266	M1O	04-028/03:44:14.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-028/03:32:57.1
10267	M1O	04-028/03:44:15.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-028/03:32:58.1
10268	M1O	04-028/03:44:16.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-028/03:32:59.1
10269	M1O	04-028/03:44:17.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-028/03:33:00.1
10270	M1O	04-028/03:44:18.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-028/03:33:01.1
10271	M1O	04-028/03:44:19.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-028/03:33:02.1
10272	M1O	04-028/03:44:20.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-028/03:33:03.1
10273	M1O	04-028/03:58:10.3		NOTE: Descending Node Crossing 9410		04-028/03:46:52.8
10274	M1O	04-028/04:03:28.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-028/03:52:10.7
10275	M1O	04-028/04:03:29.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-028/03:52:11.8
10276	M1O	04-028/04:03:39.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-028/03:52:21.8
10277	M1O	04-028/04:03:40.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-028/03:52:22.8
10278	M1O	04-028/04:26:28.8		NOTE: Periapsis 9410 ----------		04-028/04:15:11.2
10279	M1O	04-028/04:27:26.4		NOTE: South Pole Crossing 9410		04-028/04:16:08.9
10280	M1O	04-028/04:55:13.7		NOTE: Enter Solar Eclipse 9410		04-028/04:43:56.0
10281	M1O	04-028/04:56:45.2		NOTE: Ascending Node Crossing 9410		04-028/04:45:27.6
10282	M1O	04-028/05:11:22.4		NOTE: Exit Solar Eclipse 9410		04-028/05:00:04.8
10283	M1O	04-028/05:25:13.7		NOTE: Apoapsis 9410 -		04-028/05:13:55.9
10284	M1O	04-028/05:26:44.2		NOTE: North Pole Crossing 9410		04-028/05:15:26.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10285	M1O	04-028/05:29:06.0		NOTE: Enter Planetary Atmosphere 9410		04-028/05:17:48.3
10286	M1O	04-028/05:39:27.6		NOTE: Exit Planetary Atmosphere 9410		04-028/05:28:09.9
10287	M1O	04-028/05:56:40.4		NOTE: Descending Node Crossing 9411		04-028/05:45:22.5
10288	M1O	04-028/06:05:00.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
10289	M1O	04-028/06:15:00.0	25	Range Modulation Off		
10290	M1O	04-028/06:20:00.0	25	X-Band Transmitter Off		
10291	M1O	04-028/06:22:24.0	25	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
10292	M1O	04-028/06:24:48.3		NOTE: Periapsis 9411 ----------		04-028/06:13:30.4
10293	M1O	04-028/06:25:57.2		NOTE: South Pole Crossing 9411		04-028/06:14:39.3
10294	M1O	04-028/06:34:40.0	25	NOTE: Below Uplink Interlock Limit		
10295	M1O	04-028/06:41:33.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-028/06:30:15.7
10296	M1O	04-028/06:41:35.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/06:30:17.8
10297	M1O	04-028/06:41:35.8	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10298	M1O	04-028/06:41:35.8	43	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10299	M1O	04-028/06:41:36.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-028/06:30:18.8
10300	M1O	04-028/06:42:35.8	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10301	M1O	04-028/06:42:35.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10302	M1O	04-028/06:45:00.0	25	End Tracking		
10303	M1O	04-028/06:47:35.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-028/06:36:17.8
10304	M1O	04-028/06:47:35.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10305	M1O	04-028/06:47:36.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-028/06:36:18.8
10306	M1O	04-028/06:53:47.5		NOTE: Enter Solar Eclipse 9411		04-028/06:42:29.5
10307	M1O	04-028/06:55:17.2		NOTE: Ascending Node Crossing 9411		04-028/06:43:59.1
10308	M1O	04-028/07:00:00.0	25	End Post-Cal		
10309	M1O	04-028/07:09:48.9		NOTE: Exit Solar Eclipse 9411		04-028/06:58:30.8
10310	M1O	04-028/07:11:18.0		SPAWN, Engine = 65535, Parameters =	scdiag	04-028/07:00:00.0
10311	M1O	04-028/07:11:19.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-028/07:00:01.1
10312	M1O	04-028/07:11:20.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-028/07:00:02.1
10313	M1O	04-028/07:12:21.0		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	04-028/07:01:03.0
10314	M1O	04-028/07:12:21.2		NOTE: Start Block fsw_diag		04-028/07:01:03.2
10315	M1O	04-028/07:12:22.2		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	04-028/07:01:04.2
10316	M1O	04-028/07:12:23.2		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	04-028/07:01:05.2
10317	M1O	04-028/07:12:34.2		NOTE: End Block fsw_diag.mod		04-028/07:01:16.2
10318	M1O	04-028/07:13:34.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-028/07:02:16.0
10319	M1O	04-028/07:13:34.2		NOTE: Start Block fsw_diag		04-028/07:02:16.2
10320	M1O	04-028/07:13:35.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-028/07:02:17.2
10321	M1O	04-028/07:13:36.2		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	04-028/07:02:18.2
10322	M1O	04-028/07:13:47.2		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	04-028/07:02:29.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10323	M1O	04-028/07:14:17.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-028/07:02:59.2
10324	M1O	04-028/07:14:37.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-028/07:03:19.2
10325	M1O	04-028/07:14:47.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-028/07:03:29.2
10326	M1O	04-028/07:15:07.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-028/07:03:49.2
10327	M1O	04-028/07:15:17.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-028/07:03:59.2
10328	M1O	04-028/07:15:22.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-028/07:04:04.2
10329	M1O	04-028/07:15:27.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-028/07:04:09.2
10330	M1O	04-028/07:15:32.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-028/07:04:14.2
10331	M1O	04-028/07:15:37.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-028/07:04:19.2
10332	M1O	04-028/07:15:42.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-028/07:04:24.2
10333	M1O	04-028/07:16:22.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-028/07:05:04.2
10334	M1O	04-028/07:16:27.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-028/07:05:09.2
10335	M1O	04-028/07:16:32.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-028/07:05:14.2
10336	M1O	04-028/07:16:37.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-028/07:05:19.2
10337	M1O	04-028/07:16:42.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-028/07:05:24.2
10338	M1O	04-028/07:16:43.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-028/07:05:25.2
10339	M1O	04-028/07:16:44.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-028/07:05:26.2
10340	M1O	04-028/07:16:45.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-028/07:05:27.2
10341	M1O	04-028/07:16:56.2		NOTE: End Block fsw_diag.mod		04-028/07:05:38.2
10342	M1O	04-028/07:23:57.5		NOTE: Apoapsis 9411 -		04-028/07:12:39.3
10343	M1O	04-028/07:25:17.0		NOTE: North Pole Crossing 9411		04-028/07:13:58.9
10344	M1O	04-028/07:27:55.3		NOTE: Enter Planetary Atmosphere 9411		04-028/07:16:37.2
10345	M1O	04-028/07:37:45.6		NOTE: Exit Planetary Atmosphere 9411		04-028/07:26:27.5
10346	M1O	04-028/07:55:14.2		NOTE: Descending Node Crossing 9412		04-028/07:43:55.9
10347	M1O	04-028/08:23:30.4		NOTE: Periapsis 9412 ----------		04-028/08:12:12.1
10348	M1O	04-028/08:24:31.5		NOTE: South Pole Crossing 9412		04-028/08:13:13.2
10349	M1O	04-028/08:40:00.3		SPAWN, Engine = 65535, Parameters = 028, 01, FALSE, 00:15:21.138, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-028/08:28:42.0
10350	M1O	04-028/08:40:01.4		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	04-028/08:28:43.1
10351	M1O	04-028/08:40:03.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-028/08:28:45.1
10352	M1O	04-028/08:40:45.6		CALL, Engine = , Parameters = 254	get_apid	04-028/08:29:27.3
10353	M1O	04-028/08:40:46.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-028/08:29:28.4
10354	M1O	04-028/08:40:46.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-028/08:29:28.6
10355	M1O	04-028/08:40:48.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-028/08:29:29.7
10356	M1O	04-028/08:40:49.3		CALL, Engine = , Parameters = 254	get_coding	04-028/08:29:31.0
10357	M1O	04-028/08:40:50.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-028/08:29:32.2
10358	M1O	04-028/08:40:51.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-028/08:29:33.4
10359	M1O	04-028/08:41:56.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-028/08:30:38.2
10360	M1O	04-028/08:41:57.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-028/08:30:39.2
10361	M1O	04-028/08:41:58.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-028/08:30:40.2
10362	M1O	04-028/08:41:59.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-028/08:30:41.2
10363	M1O	04-028/08:42:00.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-028/08:30:42.2
10364	M1O	04-028/08:42:01.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-028/08:30:43.2
10365	M1O	04-028/08:42:02.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-028/08:30:44.2
10366	M1O	04-028/08:52:21.8		NOTE: Enter Solar Eclipse 9412		04-028/08:41:03.4
10367	M1O	04-028/08:53:51.7		NOTE: Ascending Node Crossing 9412		04-028/08:42:33.3
10368	M1O	04-028/08:57:19.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-028/08:46:01.3
10369	M1O	04-028/08:57:20.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-028/08:46:02.4
10370	M1O	04-028/08:57:30.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-028/08:46:12.4
10371	M1O	04-028/08:57:31.8		Passes the specified amount of data, data size parameter, through the PACI interface.:	GRS_PASS_THROUGH	04-028/08:46:13.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000		
10372	M1O	04-028/09:08:17.8		NOTE: Exit Solar Eclipse 9412		04-028/08:56:59.4
10373	M1O	04-028/09:22:38.7		NOTE: Apoapsis 9412 -		04-028/09:11:20.2
10374	M1O	04-028/09:23:52.7		NOTE: North Pole Crossing 9412		04-028/09:12:34.2
10375	M1O	04-028/09:26:46.7		NOTE: Enter Planetary Atmosphere 9412		04-028/09:15:28.2
10376	M1O	04-028/09:36:08.4		NOTE: Exit Planetary Atmosphere 9412		04-028/09:24:49.8
10377	M1O	04-028/09:40:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10378	M1O	04-028/09:42:46.5		SPAWN, Engine = 65535, Parameters = 028, 01, TRUE, 00:19:18, 253, TRUE, 32_KPS, 00:02:00, 00:00:00	uhf	04-028/09:31:28.0
10379	M1O	04-028/09:42:47.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/09:31:28.5
10380	M1O	04-028/09:42:47.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10381	M1O	04-028/09:42:47.6		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	04-028/09:31:29.1
10382	M1O	04-028/09:42:49.6		CALL, Engine = , Parameters = 253	get_cmd_opt	04-028/09:31:31.1
10383	M1O	04-028/09:42:49.9		CALL, Engine = , Parameters = 028, 01, 253	bld_autosw	04-028/09:31:31.4
10384	M1O	04-028/09:42:51.0		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-028/09:31:32.5
10385	M1O	04-028/09:42:52.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:33.6
10386	M1O	04-028/09:42:53.1		Deletes the designated file.: d:/dat/253_doy028_pass01_file01.dat	FILE_DELETE	04-028/09:31:34.6
10387	M1O	04-028/09:42:54.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:35.7
10388	M1O	04-028/09:42:55.2		Deletes the designated file.: d:/dat/253_doy028_pass01_file02.dat	FILE_DELETE	04-028/09:31:36.7
10389	M1O	04-028/09:42:56.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:37.8
10390	M1O	04-028/09:42:57.3		Deletes the designated file.: d:/dat/253_doy028_pass01_file03.dat	FILE_DELETE	04-028/09:31:38.8
10391	M1O	04-028/09:42:58.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:39.9
10392	M1O	04-028/09:42:59.4		Deletes the designated file.: d:/dat/253_doy028_pass01_file04.dat	FILE_DELETE	04-028/09:31:40.9
10393	M1O	04-028/09:43:00.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:42.0
10394	M1O	04-028/09:43:01.5		Deletes the designated file.: d:/dat/253_doy028_pass01_file05.dat	FILE_DELETE	04-028/09:31:43.0
10395	M1O	04-028/09:43:02.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:44.1
10396	M1O	04-028/09:43:03.6		Deletes the designated file.: d:/dat/253_doy028_pass01_file06.dat	FILE_DELETE	04-028/09:31:45.1
10397	M1O	04-028/09:43:04.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:46.2
10398	M1O	04-028/09:43:05.7		Deletes the designated file.: d:/dat/253_doy028_pass01_file07.dat	FILE_DELETE	04-028/09:31:47.2
10399	M1O	04-028/09:43:06.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:48.3
10400	M1O	04-028/09:43:07.8		Deletes the designated file.: d:/dat/253_doy028_pass01_file08.dat	FILE_DELETE	04-028/09:31:49.3
10401	M1O	04-028/09:43:08.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:50.4
10402	M1O	04-028/09:43:09.9		Deletes the designated file.: d:/dat/253_doy028_pass01_file09.dat	FILE_DELETE	04-028/09:31:51.4
10403	M1O	04-028/09:43:11.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:52.5
10404	M1O	04-028/09:43:12.0		Deletes the designated file.: d:/dat/253_doy028_pass01_file10.dat	FILE_DELETE	04-028/09:31:53.5
10405	M1O	04-028/09:43:13.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:54.6
10406	M1O	04-028/09:43:14.1		Deletes the designated file.: d:/dat/253_doy028_pass01_file11.dat	FILE_DELETE	04-028/09:31:55.6
10407	M1O	04-028/09:43:15.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:56.7
10408	M1O	04-028/09:43:16.2		Deletes the designated file.: d:/dat/253_doy028_pass01_file12.dat	FILE_DELETE	04-028/09:31:57.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10409	M1O	04-028/09:43:17.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:31:58.8
10410	M1O	04-028/09:43:18.3		Deletes the designated file.: d:/dat/253_doy028_pass01_file13.dat	FILE_DELETE	04-028/09:31:59.8
10411	M1O	04-028/09:43:19.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:32:00.9
10412	M1O	04-028/09:43:20.4		Deletes the designated file.: d:/dat/253_doy028_pass01_file14.dat	FILE_DELETE	04-028/09:32:01.9
10413	M1O	04-028/09:43:21.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:32:03.0
10414	M1O	04-028/09:43:22.5		Deletes the designated file.: d:/dat/253_doy028_pass01_file15.dat	FILE_DELETE	04-028/09:32:04.0
10415	M1O	04-028/09:43:23.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:32:05.1
10416	M1O	04-028/09:43:24.6		Deletes the designated file.: d:/dat/253_doy028_pass01_file16.dat	FILE_DELETE	04-028/09:32:06.1
10417	M1O	04-028/09:43:25.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:32:07.2
10418	M1O	04-028/09:43:26.7		Deletes the designated file.: d:/dat/253_doy028_pass01_file17.dat	FILE_DELETE	04-028/09:32:08.2
10419	M1O	04-028/09:43:27.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:32:09.3
10420	M1O	04-028/09:43:28.8		Deletes the designated file.: d:/dat/253_doy028_pass01_file18.dat	FILE_DELETE	04-028/09:32:10.3
10421	M1O	04-028/09:43:29.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/09:32:11.4
10422	M1O	04-028/09:43:30.9		Deletes the designated file.: d:/dat/253_doy028_pass01_file19.dat	FILE_DELETE	04-028/09:32:12.4
10423	M1O	04-028/09:43:31.9		CALL, Engine = , Parameters = 253	get_apid	04-028/09:32:13.4
10424	M1O	04-028/09:43:33.0		CALL, Engine = , Parameters = 253	get_rcv_mode	04-028/09:32:14.5
10425	M1O	04-028/09:43:33.2		CALL, Engine = , Parameters = 253	get_dl_rate	04-028/09:32:14.7
10426	M1O	04-028/09:43:34.3		CALL, Engine = , Parameters = 253, TRUE	get_modulatn	04-028/09:32:15.8
10427	M1O	04-028/09:43:35.6		CALL, Engine = , Parameters = 253	get_coding	04-028/09:32:17.1
10428	M1O	04-028/09:43:36.8		CALL, Engine = , Parameters = 253	get_xmt_mode	04-028/09:32:18.3
10429	M1O	04-028/09:43:38.0		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-028/09:32:19.5
10430	M1O	04-028/09:44:42.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-028/09:33:24.3
10431	M1O	04-028/09:44:43.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-028/09:33:25.3
10432	M1O	04-028/09:44:44.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-028/09:33:26.3
10433	M1O	04-028/09:44:45.8		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-028/09:33:27.3
10434	M1O	04-028/09:44:46.8		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-028/09:33:28.3
10435	M1O	04-028/09:44:47.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-028/09:33:29.3
10436	M1O	04-028/09:44:48.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-028/09:33:30.3
10437	M1O	04-028/09:44:49.8		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-028/09:33:31.3
10438	M1O	04-028/09:44:50.8		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-028/09:33:32.3
10439	M1O	04-028/09:45:00.0	43	Range Modulation On: SUP=3.0dB		
10440	M1O	04-028/09:46:00.0	43	Begin Ranging Acquisition		
10441	M1O	04-028/09:46:38.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/09:35:20.3
10442	M1O	04-028/09:46:48.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-028/09:35:30.3
10443	M1O	04-028/09:53:51.1		NOTE: Descending Node Crossing 9413		04-028/09:42:32.5
10444	M1O	04-028/10:01:34.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-028/09:50:15.7
10445	M1O	04-028/10:01:36.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/09:50:17.8
10446	M1O	04-028/10:01:37.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-028/09:50:18.8
10447	M1O	04-028/10:02:37.1	43	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10448	M1O	04-028/10:04:01.9		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-028/09:52:43.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10449	M1O	04-028/10:04:02.9		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-028/09:52:44.3
10450	M1O	04-028/10:04:04.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-028/09:52:46.3
10451	M1O	04-028/10:04:06.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-028/09:52:47.4
10452	M1O	04-028/10:04:16.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-028/09:52:57.4
10453	M1O	04-028/10:04:17.0		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	04-028/09:52:58.4
10454	M1O	04-028/10:04:18.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-028/09:52:59.4
10455	M1O	04-028/10:04:18.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10456	M1O	04-028/10:04:19.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-028/09:53:00.4
10457	M1O	04-028/10:07:36.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-028/09:56:17.8
10458	M1O	04-028/10:07:36.4	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10459	M1O	04-028/10:07:37.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-028/09:56:18.8
10460	M1O	04-028/10:22:11.7		NOTE: Periapsis 9413 ----------		04-028/10:10:53.0
10461	M1O	04-028/10:23:08.3		NOTE: South Pole Crossing 9413		04-028/10:11:49.6
10462	M1O	04-028/10:30:00.0	55	Begin Pre-Cal		
10463	M1O	04-028/10:30:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10464	M1O	04-028/10:30:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10465	M1O	04-028/10:30:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10466	M1O	04-028/10:30:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10467	M1O	04-028/10:30:00.0	55	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
10468	M1O	04-028/10:30:00.0	55	Config: RCV: Parms:		
10469	M1O	04-028/10:30:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10470	M1O	04-028/10:30:00.0	55	Config: TGC: BAND=X, SR=221200.000000		
10471	M1O	04-028/10:30:00.0	55	Config: TXL		
10472	M1O	04-028/10:30:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
10473	M1O	04-028/10:30:00.0	55	Config: CMD		
10474	M1O	04-028/10:30:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
10475	M1O	04-028/10:36:15.7		SPAWN, Engine = 65535, Parameters = 028, 02, TRUE, 00:18:02, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-028/10:24:57.0
10476	M1O	04-028/10:36:16.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/10:24:57.5
10477	M1O	04-028/10:36:16.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10478	M1O	04-028/10:36:16.8		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	04-028/10:24:58.1
10479	M1O	04-028/10:36:18.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-028/10:25:00.1
10480	M1O	04-028/10:36:19.1		CALL, Engine = , Parameters = 028, 02, 254	bld_autosw	04-028/10:25:00.4
10481	M1O	04-028/10:36:20.2		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-028/10:25:01.5
10482	M1O	04-028/10:36:21.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:02.6
10483	M1O	04-028/10:36:22.3		Deletes the designated file.: d:/dat/254_doy028_pass02_file01.dat	FILE_DELETE	04-028/10:25:03.6
10484	M1O	04-028/10:36:23.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:04.7
10485	M1O	04-028/10:36:24.4		Deletes the designated file.: d:/dat/254_doy028_pass02_file02.dat	FILE_DELETE	04-028/10:25:05.7
10486	M1O	04-028/10:36:25.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:06.8
10487	M1O	04-028/10:36:26.5		Deletes the designated file.: d:/dat/254_doy028_pass02_file03.dat	FILE_DELETE	04-028/10:25:07.8
10488	M1O	04-028/10:36:27.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:08.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10489	M1O	04-028/10:36:28.6		Deletes the designated file.: d:/dat/254_doy028_pass02_file04.dat	FILE_DELETE	04-028/10:25:09.9
10490	M1O	04-028/10:36:29.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:11.0
10491	M1O	04-028/10:36:30.7		Deletes the designated file.: d:/dat/254_doy028_pass02_file05.dat	FILE_DELETE	04-028/10:25:12.0
10492	M1O	04-028/10:36:31.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:13.1
10493	M1O	04-028/10:36:32.8		Deletes the designated file.: d:/dat/254_doy028_pass02_file06.dat	FILE_DELETE	04-028/10:25:14.1
10494	M1O	04-028/10:36:33.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:15.2
10495	M1O	04-028/10:36:34.9		Deletes the designated file.: d:/dat/254_doy028_pass02_file07.dat	FILE_DELETE	04-028/10:25:16.2
10496	M1O	04-028/10:36:36.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:17.3
10497	M1O	04-028/10:36:37.0		Deletes the designated file.: d:/dat/254_doy028_pass02_file08.dat	FILE_DELETE	04-028/10:25:18.3
10498	M1O	04-028/10:36:38.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:19.4
10499	M1O	04-028/10:36:39.1		Deletes the designated file.: d:/dat/254_doy028_pass02_file09.dat	FILE_DELETE	04-028/10:25:20.4
10500	M1O	04-028/10:36:40.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:21.5
10501	M1O	04-028/10:36:41.2		Deletes the designated file.: d:/dat/254_doy028_pass02_file10.dat	FILE_DELETE	04-028/10:25:22.5
10502	M1O	04-028/10:36:42.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:23.6
10503	M1O	04-028/10:36:43.3		Deletes the designated file.: d:/dat/254_doy028_pass02_file11.dat	FILE_DELETE	04-028/10:25:24.6
10504	M1O	04-028/10:36:44.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:25.7
10505	M1O	04-028/10:36:45.4		Deletes the designated file.: d:/dat/254_doy028_pass02_file12.dat	FILE_DELETE	04-028/10:25:26.7
10506	M1O	04-028/10:36:46.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:27.8
10507	M1O	04-028/10:36:47.5		Deletes the designated file.: d:/dat/254_doy028_pass02_file13.dat	FILE_DELETE	04-028/10:25:28.8
10508	M1O	04-028/10:36:48.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:29.9
10509	M1O	04-028/10:36:49.6		Deletes the designated file.: d:/dat/254_doy028_pass02_file14.dat	FILE_DELETE	04-028/10:25:30.9
10510	M1O	04-028/10:36:50.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:32.0
10511	M1O	04-028/10:36:51.7		Deletes the designated file.: d:/dat/254_doy028_pass02_file15.dat	FILE_DELETE	04-028/10:25:33.0
10512	M1O	04-028/10:36:52.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:34.1
10513	M1O	04-028/10:36:53.8		Deletes the designated file.: d:/dat/254_doy028_pass02_file16.dat	FILE_DELETE	04-028/10:25:35.1
10514	M1O	04-028/10:36:54.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:36.2
10515	M1O	04-028/10:36:55.9		Deletes the designated file.: d:/dat/254_doy028_pass02_file17.dat	FILE_DELETE	04-028/10:25:37.2
10516	M1O	04-028/10:36:57.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:38.3
10517	M1O	04-028/10:36:58.0		Deletes the designated file.: d:/dat/254_doy028_pass02_file18.dat	FILE_DELETE	04-028/10:25:39.3
10518	M1O	04-028/10:36:59.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/10:25:40.4
10519	M1O	04-028/10:37:00.1		Deletes the designated file.: d:/dat/254_doy028_pass02_file19.dat	FILE_DELETE	04-028/10:25:41.4
10520	M1O	04-028/10:37:01.1		CALL, Engine = , Parameters = 254	get_apid	04-028/10:25:42.4
10521	M1O	04-028/10:37:02.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-028/10:25:43.5
10522	M1O	04-028/10:37:02.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-028/10:25:43.7
10523	M1O	04-028/10:37:03.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-028/10:25:44.8
10524	M1O	04-028/10:37:04.8		CALL, Engine = , Parameters = 254	get_coding	04-028/10:25:46.1
10525	M1O	04-028/10:37:06.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-028/10:25:47.3
10526	M1O	04-028/10:37:07.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-028/10:25:48.5
10527	M1O	04-028/10:38:12.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-028/10:26:53.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10528	M1O	04-028/10:38:13.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-028/10:26:54.3
10529	M1O	04-028/10:38:14.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-028/10:26:55.3
10530	M1O	04-028/10:38:15.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-028/10:26:56.3
10531	M1O	04-028/10:38:16.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-028/10:26:57.3
10532	M1O	04-028/10:38:17.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-028/10:26:58.3
10533	M1O	04-028/10:38:18.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-028/10:26:59.3
10534	M1O	04-028/10:40:08.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/10:28:49.3
10535	M1O	04-028/10:40:18.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-028/10:28:59.3
10536	M1O	04-028/10:50:57.6		NOTE: Enter Solar Eclipse 9413		04-028/10:39:38.8
10537	M1O	04-028/10:52:28.1		NOTE: Ascending Node Crossing 9413		04-028/10:41:09.3
10538	M1O	04-028/10:56:18.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-028/10:44:59.3
10539	M1O	04-028/10:56:19.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-028/10:45:00.4
10540	M1O	04-028/10:56:29.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-028/10:45:10.4
10541	M1O	04-028/10:56:30.1		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	04-028/10:45:11.4
10542	M1O	04-028/10:56:31.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-028/10:45:12.4
10543	M1O	04-028/10:56:31.1	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10544	M1O	04-028/10:56:32.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-028/10:45:13.4
10545	M1O	04-028/11:01:30.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-028/10:50:12.0
10546	M1O	04-028/11:01:30.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10547	M1O	04-028/11:06:52.0		NOTE: Exit Solar Eclipse 9413		04-028/10:55:33.1
10548	M1O	04-028/11:20:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
10549	M1O	04-028/11:21:05.9		NOTE: Apoapsis 9413 -		04-028/11:09:47.1
10550	M1O	04-028/11:22:29.3		NOTE: North Pole Crossing 9413		04-028/11:11:10.4
10551	M1O	04-028/11:25:26.5		NOTE: Enter Planetary Atmosphere 9413		04-028/11:14:07.6
10552	M1O	04-028/11:30:00.0	55	Begin Tracking		
10553	M1O	04-028/11:30:00.0	55	Acquire D/L: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10554	M1O	04-028/11:30:00.0	43	Range Modulation Off		
10555	M1O	04-028/11:34:42.8		NOTE: Exit Planetary Atmosphere 9413		04-028/11:23:23.9
10556	M1O	04-028/11:35:00.0	43	X-Band Transmitter Off		
10557	M1O	04-028/11:37:22.0	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
10558	M1O	04-028/11:42:16.0	55	NOTE: Above Uplink Interlock Limit		
10559	M1O	04-028/11:45:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10560	M1O	04-028/11:46:40.9		SPAWN, Engine = 65535, Parameters = 028, 02, FALSE, 00:06:17.357, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-028/11:35:22.0
10561	M1O	04-028/11:46:42.0		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	04-028/11:35:23.1
10562	M1O	04-028/11:46:44.0		CALL, Engine = , Parameters = 253	get_cmd_opt	04-028/11:35:25.1
10563	M1O	04-028/11:47:26.2		CALL, Engine = , Parameters = 253	get_apid	04-028/11:36:07.3
10564	M1O	04-028/11:47:27.3		CALL, Engine = , Parameters = 253	get_rcv_mode	04-028/11:36:08.4
10565	M1O	04-028/11:47:27.5		CALL, Engine = , Parameters = 253	get_dl_rate	04-028/11:36:08.6
10566	M1O	04-028/11:47:28.6		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-028/11:36:09.7
10567	M1O	04-028/11:47:29.9		CALL, Engine = , Parameters = 253	get_coding	04-028/11:36:11.0
10568	M1O	04-028/11:47:31.1		CALL, Engine = , Parameters = 253	get_xmt_mode	04-028/11:36:12.2
10569	M1O	04-028/11:47:32.3		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-028/11:36:13.4
10570	M1O	04-028/11:48:37.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-028/11:37:18.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10571	M1O	04-028/11:48:38.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-028/11:37:19.2
10572	M1O	04-028/11:48:39.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-028/11:37:20.2
10573	M1O	04-028/11:48:40.1		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-028/11:37:21.2
10574	M1O	04-028/11:48:41.1		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-028/11:37:22.2
10575	M1O	04-028/11:48:42.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-028/11:37:23.2
10576	M1O	04-028/11:48:43.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-028/11:37:24.2
10577	M1O	04-028/11:49:25.0	43	NOTE: Below Uplink Interlock Limit		
10578	M1O	04-028/11:50:00.0	55	Range Modulation On: SUP=3.0dB		
10579	M1O	04-028/11:51:00.0	55	Begin Ranging Acquisition		
10580	M1O	04-028/11:52:27.8		NOTE: Descending Node Crossing 9414		04-028/11:41:08.8
10581	M1O	04-028/11:54:56.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-028/11:43:37.5
10582	M1O	04-028/11:54:57.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-028/11:43:38.6
10583	M1O	04-028/11:55:07.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-028/11:43:48.6
10584	M1O	04-028/11:55:08.6		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	04-028/11:43:49.6
10585	M1O	04-028/11:56:34.7		SPAWN, Engine = 65535, Parameters = 3, 00:15:58.852, 1	dpt	04-028/11:45:15.7
10586	M1O	04-028/11:56:36.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/11:45:17.8
10587	M1O	04-028/11:56:36.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10588	M1O	04-028/11:56:36.8	55	D/L Change: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10589	M1O	04-028/11:56:37.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-028/11:45:18.8
10590	M1O	04-028/11:57:37.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10591	M1O	04-028/11:57:37.8	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10592	M1O	04-028/11:59:59.9		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-028/11:48:40.9
10593	M1O	04-028/11:59:59.9		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-028/11:48:40.9
10594	M1O	04-028/11:59:59.9	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10595	M1O	04-028/11:59:59.9	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10596	M1O	04-028/12:00:00.0	43	End Tracking		
10597	M1O	04-028/12:00:05.9		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-028/11:48:46.9
10598	M1O	04-028/12:00:05.9	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10599	M1O	04-028/12:07:37.8	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10600	M1O	04-028/12:12:35.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-028/12:01:16.6
10601	M1O	04-028/12:12:35.7	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10602	M1O	04-028/12:12:36.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-028/12:01:17.6
10603	M1O	04-028/12:15:00.0	43	End Post-Cal		
10604	M1O	04-028/12:20:42.5		NOTE: Periapsis 9414 ----------		04-028/12:09:23.5
10605	M1O	04-028/12:21:45.0		NOTE: South Pole Crossing 9414		04-028/12:10:26.0
10606	M1O	04-028/12:49:34.7		NOTE: Enter Solar Eclipse 9414		04-028/12:38:15.5
10607	M1O	04-028/12:51:04.8		NOTE: Ascending Node Crossing 9414		04-028/12:39:45.6
10608	M1O	04-028/13:05:29.9		NOTE: Exit Solar Eclipse 9414		04-028/12:54:10.7
10609	M1O	04-028/13:19:21.7		NOTE: Apoapsis 9414 -		04-028/13:08:02.5
10610	M1O	04-028/13:21:05.2		NOTE: North Pole Crossing 9414		04-028/13:09:45.9
10611	M1O	04-028/13:23:53.3		NOTE: Enter Planetary Atmosphere 9414		04-028/13:12:34.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10612	M1O	04-028/13:33:26.3		NOTE: Exit Planetary Atmosphere 9414		04-028/13:22:07.0
10613	M1O	04-028/13:51:02.6		NOTE: Descending Node Crossing 9415		04-028/13:39:43.2
10614	M1O	04-028/14:19:17.1		NOTE: Periapsis 9415 ----------		04-028/14:07:57.7
10615	M1O	04-028/14:20:19.8		NOTE: South Pole Crossing 9415		04-028/14:09:00.3
10616	M1O	04-028/14:43:22.5		SPAWN, Engine = 65535, Parameters = 028, 03, FALSE, 00:17:47.581, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-028/14:32:03.0
10617	M1O	04-028/14:43:23.6		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	04-028/14:32:04.1
10618	M1O	04-028/14:43:25.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-028/14:32:06.1
10619	M1O	04-028/14:44:07.8		CALL, Engine = , Parameters = 56	get_apid	04-028/14:32:48.3
10620	M1O	04-028/14:44:08.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-028/14:32:49.4
10621	M1O	04-028/14:44:09.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-028/14:32:49.6
10622	M1O	04-028/14:44:10.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-028/14:32:50.7
10623	M1O	04-028/14:44:11.4		CALL, Engine = , Parameters = 56	get_coding	04-028/14:32:51.9
10624	M1O	04-028/14:44:12.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-028/14:32:53.1
10625	M1O	04-028/14:44:13.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-028/14:32:54.3
10626	M1O	04-028/14:45:18.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-028/14:33:59.1
10627	M1O	04-028/14:45:19.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-028/14:34:00.1
10628	M1O	04-028/14:45:20.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-028/14:34:01.1
10629	M1O	04-028/14:45:21.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-028/14:34:02.1
10630	M1O	04-028/14:45:22.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-028/14:34:03.1
10631	M1O	04-028/14:45:23.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-028/14:34:04.1
10632	M1O	04-028/14:45:24.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-028/14:34:05.1
10633	M1O	04-028/14:48:09.1		NOTE: Enter Solar Eclipse 9415		04-028/14:36:49.5
10634	M1O	04-028/14:49:39.5		NOTE: Ascending Node Crossing 9415		04-028/14:38:20.0
10635	M1O	04-028/15:03:08.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-028/14:51:48.6
10636	M1O	04-028/15:03:09.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-028/14:51:49.7
10637	M1O	04-028/15:03:19.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-028/14:51:59.7
10638	M1O	04-028/15:03:20.3		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	04-028/14:52:00.7
10639	M1O	04-028/15:04:08.2		NOTE: Exit Solar Eclipse 9415		04-028/14:52:48.6
10640	M1O	04-028/15:17:55.4		NOTE: Apoapsis 9415 -		04-028/15:06:35.8
10641	M1O	04-028/15:19:38.7		NOTE: North Pole Crossing 9415		04-028/15:08:19.1
10642	M1O	04-028/15:22:15.1		NOTE: Enter Planetary Atmosphere 9415		04-028/15:10:55.5
10643	M1O	04-028/15:32:07.9		NOTE: Exit Planetary Atmosphere 9415		04-028/15:20:48.2
10644	M1O	04-028/15:49:34.9		NOTE: Descending Node Crossing 9416		04-028/15:38:15.2
10645	M1O	04-028/16:17:49.7		NOTE: Periapsis 9416 ----------		04-028/16:06:29.9
10646	M1O	04-028/16:18:51.6		NOTE: South Pole Crossing 9416		04-028/16:07:31.8
10647	M1O	04-028/16:41:21.8		SPAWN, Engine = 65535, Parameters = 028, 04, FALSE, 00:16:33.580, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-028/16:30:02.0
10648	M1O	04-028/16:41:22.9		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	04-028/16:30:03.1
10649	M1O	04-028/16:41:24.9		CALL, Engine = , Parameters = 56	get_cmd_opt	04-028/16:30:05.1
10650	M1O	04-028/16:42:07.1		CALL, Engine = , Parameters = 56	get_apid	04-028/16:30:47.3
10651	M1O	04-028/16:42:08.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-028/16:30:48.4
10652	M1O	04-028/16:42:08.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-028/16:30:48.6
10653	M1O	04-028/16:42:09.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-028/16:30:49.7
10654	M1O	04-028/16:42:10.7		CALL, Engine = , Parameters = 56	get_coding	04-028/16:30:50.9
10655	M1O	04-028/16:42:11.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-028/16:30:52.1
10656	M1O	04-028/16:42:13.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-028/16:30:53.3
10657	M1O	04-028/16:43:17.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-028/16:31:58.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10658	M1O	04-028/16:43:18.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-028/16:31:59.1
10659	M1O	04-028/16:43:19.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-028/16:32:00.1
10660	M1O	04-028/16:43:20.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-028/16:32:01.1
10661	M1O	04-028/16:43:21.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-028/16:32:02.1
10662	M1O	04-028/16:43:22.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-028/16:32:03.1
10663	M1O	04-028/16:43:23.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-028/16:32:04.1
10664	M1O	04-028/16:46:39.9		NOTE: Enter Solar Eclipse 9416		04-028/16:35:20.0
10665	M1O	04-028/16:48:10.9		NOTE: Ascending Node Crossing 9416		04-028/16:36:51.0
10666	M1O	04-028/16:59:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-028/16:48:33.6
10667	M1O	04-028/16:59:54.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-028/16:48:34.7
10668	M1O	04-028/17:00:04.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-028/16:48:44.7
10669	M1O	04-028/17:00:05.7		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	04-028/16:48:45.7
10670	M1O	04-028/17:02:40.4		NOTE: Exit Solar Eclipse 9416		04-028/16:51:20.4
10671	M1O	04-028/17:05:00.0	14	Begin Pre-Cal		
10672	M1O	04-028/17:05:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10673	M1O	04-028/17:05:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10674	M1O	04-028/17:05:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10675	M1O	04-028/17:05:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10676	M1O	04-028/17:05:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
10677	M1O	04-028/17:05:00.0	14	Config: RCV: Parms:		
10678	M1O	04-028/17:05:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10679	M1O	04-028/17:05:00.0	14	Config: TGC: BAND=X, SR=79632.000000		
10680	M1O	04-028/17:05:00.0	14	Config: TXL		
10681	M1O	04-028/17:05:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
10682	M1O	04-028/17:05:00.0	14	Config: CMD		
10683	M1O	04-028/17:05:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
10684	M1O	04-028/17:16:33.2		NOTE: Apoapsis 9416 -		04-028/17:05:13.2
10685	M1O	04-028/17:18:10.0		NOTE: North Pole Crossing 9416		04-028/17:06:50.0
10686	M1O	04-028/17:20:44.6		NOTE: Enter Planetary Atmosphere 9416		04-028/17:09:24.6
10687	M1O	04-028/17:30:39.4		NOTE: Exit Planetary Atmosphere 9416		04-028/17:19:19.4
10688	M1O	04-028/17:48:06.3		NOTE: Descending Node Crossing 9417		04-028/17:36:46.2
10689	M1O	04-028/18:16:07.8		NOTE: Periapsis 9417 ----------		04-028/18:04:47.6
10690	M1O	04-028/18:17:22.1		NOTE: South Pole Crossing 9417		04-028/18:06:01.9
10691	M1O	04-028/18:45:12.1		NOTE: Enter Solar Eclipse 9417		04-028/18:33:51.8
10692	M1O	04-028/18:46:41.3		NOTE: Ascending Node Crossing 9417		04-028/18:35:21.0
10693	M1O	04-028/18:57:19.2	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
10694	M1O	04-028/19:01:04.5		NOTE: Exit Solar Eclipse 9417		04-028/18:49:44.2
10695	M1O	04-028/19:03:58.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-028/18:52:37.8
10696	M1O	04-028/19:04:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/18:52:39.9
10697	M1O	04-028/19:04:00.2	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10698	M1O	04-028/19:04:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-028/18:52:40.9
10699	M1O	04-028/19:04:54.1		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-028/18:53:33.8
10700	M1O	04-028/19:04:54.1	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10701	M1O	04-028/19:05:00.0	14	Begin Tracking		
10702	M1O	04-028/19:05:00.0	14	Acquire D/L: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10703	M1O	04-028/19:05:00.1		NOTE: Changing to 70M downlink rate: 110600_BPS		04-028/18:53:39.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10704	M1O	04-028/19:05:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 110600_BPS	DOWNLINK_RATE	04-028/18:53:39.8
10705	M1O	04-028/19:05:00.1	14	D/L Change: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10706	M1O	04-028/19:05:00.1	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10707	M1O	04-028/19:10:00.0	55	Range Modulation Off		
10708	M1O	04-028/19:10:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-028/18:58:39.9
10709	M1O	04-028/19:10:00.2	14	D/L Change: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10710	M1O	04-028/19:10:00.2	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10711	M1O	04-028/19:10:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-028/18:58:40.9
10712	M1O	04-028/19:14:38.0	14	NOTE: Above Uplink Interlock Limit		
10713	M1O	04-028/19:14:53.2		NOTE: Apoapsis 9417 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10744	M1O	04-028/20:41:04.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-028/20:29:44.2
10745	M1O	04-028/20:41:05.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-028/20:29:45.2
10746	M1O	04-028/20:41:06.8		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-028/20:29:46.2
10747	M1O	04-028/20:41:07.8		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-028/20:29:47.2
10748	M1O	04-028/20:41:08.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-028/20:29:48.2
10749	M1O	04-028/20:41:09.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-028/20:29:49.2
10750	M1O	04-028/20:43:49.8		NOTE: Enter Solar Eclipse 9418		04-028/20:32:29.2
10751	M1O	04-028/20:45:16.2		NOTE: Ascending Node Crossing 9418		04-028/20:33:55.5
10752	M1O	04-028/20:50:30.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-028/20:39:09.4
10753	M1O	04-028/20:50:31.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-028/20:39:10.5
10754	M1O	04-028/20:50:41.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-028/20:39:20.5
10755	M1O	04-028/20:50:42.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-028/20:39:21.5
10756	M1O	04-028/20:59:33.8		NOTE: Exit Solar Eclipse 9418		04-028/20:48:13.1
10757	M1O	04-028/21:13:23.0		NOTE: Apoapsis 9418 -		04-028/21:02:02.3
10758	M1O	04-028/21:15:16.8		NOTE: North Pole Crossing 9418		04-028/21:03:56.1
10759	M1O	04-028/21:18:19.1		NOTE: Enter Planetary Atmosphere 9418		04-028/21:06:58.4
10760	M1O	04-028/21:27:22.8		NOTE: Exit Planetary Atmosphere 9418		04-028/21:16:02.0
10761	M1O	04-028/21:38:50.8		SPAWN, Engine = 65535, Parameters = 028, 03, TRUE, 00:18:43, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-028/21:27:30.0
10762	M1O	04-028/21:38:51.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/21:27:30.5
10763	M1O	04-028/21:38:51.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10764	M1O	04-028/21:38:51.9		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	04-028/21:27:31.1
10765	M1O	04-028/21:38:53.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-028/21:27:33.1
10766	M1O	04-028/21:38:54.2		CALL, Engine = , Parameters = 028, 03, 254	bld_autosw	04-028/21:27:33.4
10767	M1O	04-028/21:38:55.3		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	04-028/21:27:34.5
10768	M1O	04-028/21:38:56.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:27:35.6
10769	M1O	04-028/21:38:57.4		Deletes the designated file.: d:/dat/254_doy028_pass03_file01.dat	FILE_DELETE	04-028/21:27:36.6
10770	M1O	04-028/21:38:58.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:27:37.7
10771	M1O	04-028/21:38:59.5		Deletes the designated file.: d:/dat/254_doy028_pass03_file02.dat	FILE_DELETE	04-028/21:27:38.7
10772	M1O	04-028/21:39:00.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:27:39.8
10773	M1O	04-028/21:39:01.6		Deletes the designated file.: d:/dat/254_doy028_pass03_file03.dat	FILE_DELETE	04-028/21:27:40.8
10774	M1O	04-028/21:39:02.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:27:41.9
10775	M1O	04-028/21:39:03.7		Deletes the designated file.: d:/dat/254_doy028_pass03_file04.dat	FILE_DELETE	04-028/21:27:42.9
10776	M1O	04-028/21:39:04.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:27:44.0
10777	M1O	04-028/21:39:05.8		Deletes the designated file.: d:/dat/254_doy028_pass03_file05.dat	FILE_DELETE	04-028/21:27:45.0
10778	M1O	04-028/21:39:06.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:27:46.1
10779	M1O	04-028/21:39:07.9		Deletes the designated file.: d:/dat/254_doy028_pass03_file06.dat	FILE_DELETE	04-028/21:27:47.1
10780	M1O	04-028/21:39:09.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:27:48.2
10781	M1O	04-028/21:39:10.0		Deletes the designated file.: d:/dat/254_doy028_pass03_file07.dat	FILE_DELETE	04-028/21:27:49.2
10782	M1O	04-028/21:39:11.1		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-028/21:27:50.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy028_pass03_file08.dat, d:/dat/autoswitch.dat		
10783	M1O	04-028/21:39:12.1		Deletes the designated file.: d:/dat/254_doy028_pass03_file08.dat	FILE_DELETE	04-028/21:27:51.3
10784	M1O	04-028/21:39:13.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:27:52.4
10785	M1O	04-028/21:39:14.2		Deletes the designated file.: d:/dat/254_doy028_pass03_file09.dat	FILE_DELETE	04-028/21:27:53.4
10786	M1O	04-028/21:39:15.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:27:54.5
10787	M1O	04-028/21:39:16.3		Deletes the designated file.: d:/dat/254_doy028_pass03_file10.dat	FILE_DELETE	04-028/21:27:55.5
10788	M1O	04-028/21:39:17.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:27:56.6
10789	M1O	04-028/21:39:18.4		Deletes the designated file.: d:/dat/254_doy028_pass03_file11.dat	FILE_DELETE	04-028/21:27:57.6
10790	M1O	04-028/21:39:19.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:27:58.7
10791	M1O	04-028/21:39:20.5		Deletes the designated file.: d:/dat/254_doy028_pass03_file12.dat	FILE_DELETE	04-028/21:27:59.7
10792	M1O	04-028/21:39:21.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:28:00.8
10793	M1O	04-028/21:39:22.6		Deletes the designated file.: d:/dat/254_doy028_pass03_file13.dat	FILE_DELETE	04-028/21:28:01.8
10794	M1O	04-028/21:39:23.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:28:02.9
10795	M1O	04-028/21:39:24.7		Deletes the designated file.: d:/dat/254_doy028_pass03_file14.dat	FILE_DELETE	04-028/21:28:03.9
10796	M1O	04-028/21:39:25.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:28:05.0
10797	M1O	04-028/21:39:26.8		Deletes the designated file.: d:/dat/254_doy028_pass03_file15.dat	FILE_DELETE	04-028/21:28:06.0
10798	M1O	04-028/21:39:27.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:28:07.1
10799	M1O	04-028/21:39:28.9		Deletes the designated file.: d:/dat/254_doy028_pass03_file16.dat	FILE_DELETE	04-028/21:28:08.1
10800	M1O	04-028/21:39:30.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:28:09.2
10801	M1O	04-028/21:39:31.0		Deletes the designated file.: d:/dat/254_doy028_pass03_file17.dat	FILE_DELETE	04-028/21:28:10.2
10802	M1O	04-028/21:39:32.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:28:11.3
10803	M1O	04-028/21:39:33.1		Deletes the designated file.: d:/dat/254_doy028_pass03_file18.dat	FILE_DELETE	04-028/21:28:12.3
10804	M1O	04-028/21:39:34.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy028_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/21:28:13.4
10805	M1O	04-028/21:39:35.2		Deletes the designated file.: d:/dat/254_doy028_pass03_file19.dat	FILE_DELETE	04-028/21:28:14.4
10806	M1O	04-028/21:39:36.2		CALL, Engine = , Parameters = 254	get_apid	04-028/21:28:15.4
10807	M1O	04-028/21:39:37.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-028/21:28:16.5
10808	M1O	04-028/21:39:37.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-028/21:28:16.7
10809	M1O	04-028/21:39:38.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-028/21:28:17.8
10810	M1O	04-028/21:39:39.9		CALL, Engine = , Parameters = 254	get_coding	04-028/21:28:19.1
10811	M1O	04-028/21:39:41.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-028/21:28:20.3
10812	M1O	04-028/21:39:42.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-028/21:28:21.5
10813	M1O	04-028/21:40:47.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-028/21:29:26.3
10814	M1O	04-028/21:40:48.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-028/21:29:27.3
10815	M1O	04-028/21:40:49.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-028/21:29:28.3
10816	M1O	04-028/21:40:50.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-028/21:29:29.3
10817	M1O	04-028/21:40:51.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-028/21:29:30.3
10818	M1O	04-028/21:40:52.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-028/21:29:31.3
10819	M1O	04-028/21:40:53.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-028/21:29:32.3
10820	M1O	04-028/21:42:43.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/21:31:22.3
10821	M1O	04-028/21:42:53.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data	DOWNLINK_MODE	04-028/21:31:32.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				stream.: RELAY_CMD		
10822	M1O	04-028/21:45:14.2		NOTE: Descending Node Crossing 9419		04-028/21:33:53.4
10823	M1O	04-028/21:59:34.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-028/21:48:13.3
10824	M1O	04-028/21:59:35.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-028/21:48:14.4
10825	M1O	04-028/21:59:45.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-028/21:48:24.4
10826	M1O	04-028/21:59:46.3		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	04-028/21:48:25.4
10827	M1O	04-028/21:59:47.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-028/21:48:26.4
10828	M1O	04-028/21:59:47.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10829	M1O	04-028/21:59:48.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-028/21:48:27.4
10830	M1O	04-028/22:04:46.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-028/21:53:26.0
10831	M1O	04-028/22:04:46.9	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10832	M1O	04-028/22:13:23.1		NOTE: Periapsis 9419 ----------		04-028/22:02:02.1
10833	M1O	04-028/22:14:32.3		NOTE: South Pole Crossing 9419		04-028/22:03:11.4
10834	M1O	04-028/22:31:34.0		SPAWN, Engine = 65535, Parameters = 028, 04, TRUE, 00:19:18, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-028/22:20:13.0
10835	M1O	04-028/22:31:34.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/22:20:13.5
10836	M1O	04-028/22:31:34.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10837	M1O	04-028/22:31:35.1		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	04-028/22:20:14.1
10838	M1O	04-028/22:31:37.1		CALL, Engine = , Parameters = 253	get_cmd_opt	04-028/22:20:16.1
10839	M1O	04-028/22:31:37.4		CALL, Engine = , Parameters = 028, 04, 253	bld_autosw	04-028/22:20:16.4
10840	M1O	04-028/22:31:38.5		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-028/22:20:17.5
10841	M1O	04-028/22:31:39.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:18.6
10842	M1O	04-028/22:31:40.6		Deletes the designated file.: d:/dat/253_doy028_pass04_file01.dat	FILE_DELETE	04-028/22:20:19.6
10843	M1O	04-028/22:31:41.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:20.7
10844	M1O	04-028/22:31:42.7		Deletes the designated file.: d:/dat/253_doy028_pass04_file02.dat	FILE_DELETE	04-028/22:20:21.7
10845	M1O	04-028/22:31:43.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:22.8
10846	M1O	04-028/22:31:44.8		Deletes the designated file.: d:/dat/253_doy028_pass04_file03.dat	FILE_DELETE	04-028/22:20:23.8
10847	M1O	04-028/22:31:45.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:24.9
10848	M1O	04-028/22:31:46.9		Deletes the designated file.: d:/dat/253_doy028_pass04_file04.dat	FILE_DELETE	04-028/22:20:25.9
10849	M1O	04-028/22:31:48.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:27.0
10850	M1O	04-028/22:31:49.0		Deletes the designated file.: d:/dat/253_doy028_pass04_file05.dat	FILE_DELETE	04-028/22:20:28.0
10851	M1O	04-028/22:31:50.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:29.1
10852	M1O	04-028/22:31:51.1		Deletes the designated file.: d:/dat/253_doy028_pass04_file06.dat	FILE_DELETE	04-028/22:20:30.1
10853	M1O	04-028/22:31:52.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:31.2
10854	M1O	04-028/22:31:53.2		Deletes the designated file.: d:/dat/253_doy028_pass04_file07.dat	FILE_DELETE	04-028/22:20:32.2
10855	M1O	04-028/22:31:54.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:33.3
10856	M1O	04-028/22:31:55.3		Deletes the designated file.: d:/dat/253_doy028_pass04_file08.dat	FILE_DELETE	04-028/22:20:34.3
10857	M1O	04-028/22:31:56.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:35.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10858	M1O	04-028/22:31:57.4		Deletes the designated file.: d:/dat/253_doy028_pass04_file09.dat	FILE_DELETE	04-028/22:20:36.4
10859	M1O	04-028/22:31:58.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:37.5
10860	M1O	04-028/22:31:59.5		Deletes the designated file.: d:/dat/253_doy028_pass04_file10.dat	FILE_DELETE	04-028/22:20:38.5
10861	M1O	04-028/22:32:00.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:39.6
10862	M1O	04-028/22:32:01.6		Deletes the designated file.: d:/dat/253_doy028_pass04_file11.dat	FILE_DELETE	04-028/22:20:40.6
10863	M1O	04-028/22:32:02.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:41.7
10864	M1O	04-028/22:32:03.7		Deletes the designated file.: d:/dat/253_doy028_pass04_file12.dat	FILE_DELETE	04-028/22:20:42.7
10865	M1O	04-028/22:32:04.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:43.8
10866	M1O	04-028/22:32:05.8		Deletes the designated file.: d:/dat/253_doy028_pass04_file13.dat	FILE_DELETE	04-028/22:20:44.8
10867	M1O	04-028/22:32:06.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:45.9
10868	M1O	04-028/22:32:07.9		Deletes the designated file.: d:/dat/253_doy028_pass04_file14.dat	FILE_DELETE	04-028/22:20:46.9
10869	M1O	04-028/22:32:09.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:48.0
10870	M1O	04-028/22:32:10.0		Deletes the designated file.: d:/dat/253_doy028_pass04_file15.dat	FILE_DELETE	04-028/22:20:49.0
10871	M1O	04-028/22:32:11.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:50.1
10872	M1O	04-028/22:32:12.1		Deletes the designated file.: d:/dat/253_doy028_pass04_file16.dat	FILE_DELETE	04-028/22:20:51.1
10873	M1O	04-028/22:32:13.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:52.2
10874	M1O	04-028/22:32:14.2		Deletes the designated file.: d:/dat/253_doy028_pass04_file17.dat	FILE_DELETE	04-028/22:20:53.2
10875	M1O	04-028/22:32:15.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:54.3
10876	M1O	04-028/22:32:16.3		Deletes the designated file.: d:/dat/253_doy028_pass04_file18.dat	FILE_DELETE	04-028/22:20:55.3
10877	M1O	04-028/22:32:17.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy028_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-028/22:20:56.4
10878	M1O	04-028/22:32:18.4		Deletes the designated file.: d:/dat/253_doy028_pass04_file19.dat	FILE_DELETE	04-028/22:20:57.4
10879	M1O	04-028/22:32:19.4		CALL, Engine = , Parameters = 253	get_apid	04-028/22:20:58.4
10880	M1O	04-028/22:32:20.5		CALL, Engine = , Parameters = 253	get_rcv_mode	04-028/22:20:59.5
10881	M1O	04-028/22:32:20.7		CALL, Engine = , Parameters = 253	get_dl_rate	04-028/22:20:59.7
10882	M1O	04-028/22:32:21.8		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-028/22:21:00.8
10883	M1O	04-028/22:32:23.1		CALL, Engine = , Parameters = 253	get_coding	04-028/22:21:02.1
10884	M1O	04-028/22:32:24.3		CALL, Engine = , Parameters = 253	get_xmt_mode	04-028/22:21:03.3
10885	M1O	04-028/22:32:25.5		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-028/22:21:04.5
10886	M1O	04-028/22:33:30.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-028/22:22:09.3
10887	M1O	04-028/22:33:31.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-028/22:22:10.3
10888	M1O	04-028/22:33:32.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-028/22:22:11.3
10889	M1O	04-028/22:33:33.3		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-028/22:22:12.3
10890	M1O	04-028/22:33:34.3		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-028/22:22:13.3
10891	M1O	04-028/22:33:35.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-028/22:22:14.3
10892	M1O	04-028/22:33:36.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-028/22:22:15.3
10893	M1O	04-028/22:35:26.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-028/22:24:05.3
10894	M1O	04-028/22:35:36.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-028/22:24:15.3
10895	M1O	04-028/22:42:26.5		NOTE: Enter Solar Eclipse 9419		04-028/22:31:05.4
10896	M1O	04-028/22:43:53.4		NOTE: Ascending Node Crossing 9419		04-028/22:32:32.3
10897	M1O	04-028/22:52:52.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-028/22:41:31.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
10898	M1O	04-028/22:52:53.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-028/22:41:32.4
10899	M1O	04-028/22:53:03.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-028/22:41:42.4
10900	M1O	04-028/22:53:04.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-028/22:41:43.4
10901	M1O	04-028/22:53:05.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-028/22:41:44.4
10902	M1O	04-028/22:53:05.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10903	M1O	04-028/22:53:06.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-028/22:41:45.4
10904	M1O	04-028/22:58:05.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-028/22:46:44.0
10905	M1O	04-028/22:58:05.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10906	M1O	04-028/22:58:10.0		NOTE: Exit Solar Eclipse 9419		04-028/22:46:48.9
10907	M1O	04-028/23:12:24.3		NOTE: Apoapsis 9419 -		04-028/23:01:03.1
10908	M1O	04-028/23:13:53.4		NOTE: North Pole Crossing 9419		04-028/23:02:32.3
10909	M1O	04-028/23:16:59.2		NOTE: Enter Planetary Atmosphere 9419		04-028/23:05:38.1
10910	M1O	04-028/23:25:54.2		NOTE: Exit Planetary Atmosphere 9419		04-028/23:14:33.0
10911	M1O	04-028/23:39:40.2		SPAWN, Engine = 65535, Parameters = 028, 04, FALSE, 00:12:33.509, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-028/23:28:19.0
10912	M1O	04-028/23:39:41.3		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	04-028/23:28:20.1
10913	M1O	04-028/23:39:43.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-028/23:28:22.1
10914	M1O	04-028/23:40:25.5		CALL, Engine = , Parameters = 254	get_apid	04-028/23:29:04.3
10915	M1O	04-028/23:40:26.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-028/23:29:05.4
10916	M1O	04-028/23:40:26.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-028/23:29:05.6
10917	M1O	04-028/23:40:27.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-028/23:29:06.7
10918	M1O	04-028/23:40:29.2		CALL, Engine = , Parameters = 254	get_coding	04-028/23:29:08.0
10919	M1O	04-028/23:40:30.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-028/23:29:09.2
10920	M1O	04-028/23:40:31.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-028/23:29:10.4
10921	M1O	04-028/23:41:36.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-028/23:30:15.2
10922	M1O	04-028/23:41:37.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-028/23:30:16.2
10923	M1O	04-028/23:41:38.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-028/23:30:17.2
10924	M1O	04-028/23:41:39.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-028/23:30:18.2
10925	M1O	04-028/23:41:40.4		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-028/23:30:19.2
10926	M1O	04-028/23:41:41.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-028/23:30:20.2
10927	M1O	04-028/23:41:42.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-028/23:30:21.2
10928	M1O	04-028/23:43:50.9		NOTE: Descending Node Crossing 9420		04-028/23:32:29.6
10929	M1O	04-028/23:54:11.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-028/23:42:50.7
10930	M1O	04-028/23:54:13.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-028/23:42:51.8
10931	M1O	04-028/23:54:23.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-028/23:43:01.8
10932	M1O	04-028/23:54:24.0		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	04-028/23:43:02.8
10933	M1O	04-029/00:00:00.0		Light Time: OWLT = 11:21, RTLT = 22:42		
10934	M1O	04-029/00:11:18.3		Loads the disignated sequence block from the file system.: 65535, d:/seq/cz506.abs	VM_LOAD	04-028/23:59:57.0
10935	M1O	04-029/00:11:21.3		Dummy command to mark beg/end of mini sequences: cz506a, 2004-036T00:00:02.000	START_MINI	04-029/00:00:00.0
10936	M1O	04-029/00:11:31.3		Deletes the designated file.: d:/seq/cz506.abs	FILE_DELETE	04-029/00:00:10.0
10937	M1O	04-029/00:12:23.7		NOTE: Periapsis 9420 ----------		04-029/00:01:02.3
10938	M1O	04-029/00:13:09.3		NOTE: South Pole Crossing 9420		04-029/00:01:48.0
10939	M1O	04-029/00:41:00.6		NOTE: Enter Solar Eclipse 9420		04-029/00:29:39.2
10940	M1O	04-029/00:42:29.9		NOTE: Ascending Node Crossing 9420		04-029/00:31:08.5
10941	M1O	04-029/00:56:47.8		NOTE: Exit Solar Eclipse 9420		04-029/00:45:26.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10942	M1O	04-029/01:04:59.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
10943	M1O	04-029/01:11:24.9		NOTE: Apoapsis 9420 -		04-029/01:00:03.3
10944	M1O	04-029/01:12:29.8		NOTE: North Pole Crossing 9420		04-029/01:01:08.3
10945	M1O	04-029/01:14:59.0	14	Range Modulation Off		
10946	M1O	04-029/01:15:34.4		NOTE: Enter Planetary Atmosphere 9420		04-029/01:04:12.9
10947	M1O	04-029/01:19:59.0	14	X-Band Transmitter Off		
10948	M1O	04-029/01:24:29.8		NOTE: Exit Planetary Atmosphere 9420		04-029/01:13:08.3
10949	M1O	04-029/01:30:00.0	43	Begin Pre-Cal		
10950	M1O	04-029/01:30:00.0	43	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
10951	M1O	04-029/01:30:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10952	M1O	04-029/01:30:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10953	M1O	04-029/01:30:00.0	43	At BOT: S/C Transmitter Status: PWR=OFF, EXC=1, PWR=OFF, EXC=2		
10954	M1O	04-029/01:30:00.0	43	Config: RCV: Parms:		
10955	M1O	04-029/01:30:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10956	M1O	04-029/01:30:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
10957	M1O	04-029/01:30:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
10958	M1O	04-029/01:41:36.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/01:30:15.0
10959	M1O	04-029/01:41:36.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10960	M1O	04-029/01:42:27.4		NOTE: Descending Node Crossing 9421		04-029/01:31:05.8
10961	M1O	04-029/01:42:42.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10962	M1O	04-029/01:55:27.6		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-029/01:44:06.0
10963	M1O	04-029/01:55:27.7		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-029/01:44:06.1
10964	M1O	04-029/01:55:28.7		Forces a desaturation of the reaction wheels.	RW_DESAT	04-029/01:44:07.1
10965	M1O	04-029/01:58:50.6		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	04-029/01:47:29.0
10966	M1O	04-029/01:59:06.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-027T01:47:29.100, 2004-029T01:47:29.100	PCKTS_RE_TX_TIME	04-029/01:47:44.8
10967	M1O	04-029/01:59:07.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-027T01:47:29.100, 2004-029T01:47:29.100	PCKTS_RE_TX_TIME	04-029/01:47:45.8
10968	M1O	04-029/01:59:08.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-027T01:47:29.100, 2004-029T01:47:29.100	PCKTS_RE_TX_TIME	04-029/01:47:46.8
10969	M1O	04-029/01:59:09.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-027T01:47:29.100, 2004-029T01:47:29.100	PCKTS_RE_TX_TIME	04-029/01:47:47.8
10970	M1O	04-029/01:59:10.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-027T01:47:29.100, 2004-029T01:47:29.100	PCKTS_RE_TX_TIME	04-029/01:47:48.8
10971	M1O	04-029/01:59:11.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-027T01:47:29.100, 2004-029T01:47:29.100	PCKTS_RE_TX_TIME	04-029/01:47:49.8
10972	M1O	04-029/01:59:11.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-029/01:47:49.8
10973	M1O	04-029/01:59:11.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10974	M1O	04-029/02:06:12.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/01:54:50.8
10975	M1O	04-029/02:06:12.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10976	M1O	04-029/02:06:13.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-029/01:54:51.8
10977	M1O	04-029/02:06:43.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	04-029/01:55:21.8
10978	M1O	04-029/02:06:43.4	14	NOTE: Loss Of X-Band Signal		
10979	M1O	04-029/02:06:53.4		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	04-029/01:55:31.8
10980	M1O	04-029/02:06:54.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-029/01:55:32.8
10981	M1O	04-029/02:06:55.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-029/01:55:33.8
10982	M1O	04-029/02:06:58.7		CALL, Engine = , Parameters = FALSE	park_hga	04-029/01:55:37.1
10983	M1O	04-029/02:06:58.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/01:55:37.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10984	M1O	04-029/02:06:59.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-029/01:55:38.1
10985	M1O	04-029/02:07:00.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-029/01:55:39.1
10986	M1O	04-029/02:07:00.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-029/01:55:39.1
10987	M1O	04-029/02:07:00.7		NOTE: START HGA PARK		
10988	M1O	04-029/02:07:01.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-029/01:55:40.1
10989	M1O	04-029/02:07:02.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-029/01:55:41.1
10990	M1O	04-029/02:11:10.0		NOTE: Periapsis 9421 ----------		04-029/01:59:48.3
10991	M1O	04-029/02:11:32.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-029/02:00:11.1
10992	M1O	04-029/02:11:45.0		NOTE: South Pole Crossing 9421		04-029/02:00:23.3
10993	M1O	04-029/02:15:02.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-029/02:03:41.1
10994	M1O	04-029/02:15:02.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-029/02:03:41.1
10995	M1O	04-029/02:39:32.2		NOTE: Enter Solar Eclipse 9421		04-029/02:28:10.4
10996	M1O	04-029/02:41:04.3		NOTE: Ascending Node Crossing 9421		04-029/02:29:42.5
10997	M1O	04-029/02:45:00.0	43	Begin Tracking		
10998	M1O	04-029/02:45:02.8		GV: GV_DESAT_ACTIVE = 1		04-029/02:33:41.0
10999	M1O	04-029/02:45:03.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-029/02:33:42.0
11000	M1O	04-029/02:45:03.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-029/02:33:42.0
11001	M1O	04-029/02:55:02.8		GV: GV_DESAT_ACTIVE = 0		04-029/02:43:41.0
11002	M1O	04-029/02:55:03.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-029/02:43:42.0
11003	M1O	04-029/02:55:04.8		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-029/02:43:43.0
11004	M1O	04-029/02:55:05.8		CALL, Engine = , Parameters =	unpark_hga	04-029/02:43:44.0
11005	M1O	04-029/02:55:05.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-029/02:43:44.0
11006	M1O	04-029/02:55:06.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-029/02:43:45.0
11007	M1O	04-029/02:55:24.7		NOTE: Exit Solar Eclipse 9421		04-029/02:44:02.9
11008	M1O	04-029/02:59:36.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-029/02:48:15.0
11009	M1O	04-029/02:59:37.8		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-029/02:48:16.0
11010	M1O	04-029/03:03:02.8		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-029/02:51:41.0
11011	M1O	04-029/03:03:02.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/02:51:41.1
11012	M1O	04-029/03:03:03.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-029/02:51:42.1
11013	M1O	04-029/03:03:04.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-029/02:51:43.1
11014	M1O	04-029/03:03:05.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-029/02:51:44.1
11015	M1O	04-029/03:03:06.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-029/02:51:45.1
11016	M1O	04-029/03:03:16.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-029/02:51:55.1
11017	M1O	04-029/03:03:26.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-029/02:52:05.1
11018	M1O	04-029/03:03:37.8		NOTE: EXIT HGA PARK		
11019	M1O	04-029/03:03:37.8	14	Acquisition Of X-Band Signal		
11020	M1O	04-029/03:03:37.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11021	M1O	04-029/03:03:37.8	43	Acquisition Of X-Band Signal		
11022	M1O	04-029/03:03:37.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11023	M1O	04-029/03:05:00.0	14	End Tracking		
11024	M1O	04-029/03:05:00.0	14	End Post-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11025	M1O	04-029/03:08:26.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-029/02:57:05.1
11026	M1O	04-029/03:08:27.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-029/02:57:06.1
11027	M1O	04-029/03:08:27.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11028	M1O	04-029/03:08:28.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-029/02:57:07.1
11029	M1O	04-029/03:09:57.1		NOTE: Apoapsis 9421 -		04-029/02:58:35.2
11030	M1O	04-029/03:11:04.0		NOTE: North Pole Crossing 9421		04-029/02:59:42.1
11031	M1O	04-029/03:14:01.3		NOTE: Enter Planetary Atmosphere 9421		04-029/03:02:39.4
11032	M1O	04-029/03:23:09.7		NOTE: Exit Planetary Atmosphere 9421		04-029/03:11:47.8
11033	M1O	04-029/03:25:52.9		SPAWN, Engine = 65535, Parameters = 029, 01, FALSE, 00:18:51.063, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-029/03:14:31.0
11034	M1O	04-029/03:25:54.0		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	04-029/03:14:32.1
11035	M1O	04-029/03:25:56.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-029/03:14:34.1
11036	M1O	04-029/03:26:38.2		CALL, Engine = , Parameters = 56	get_apid	04-029/03:15:16.3
11037	M1O	04-029/03:26:39.3		CALL, Engine = , Parameters = 56	get_rcv_mode	04-029/03:15:17.4
11038	M1O	04-029/03:26:39.5		CALL, Engine = , Parameters = 56	get_dl_rate	04-029/03:15:17.6
11039	M1O	04-029/03:26:40.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-029/03:15:18.7
11040	M1O	04-029/03:26:41.8		CALL, Engine = , Parameters = 56	get_coding	04-029/03:15:19.9
11041	M1O	04-029/03:26:43.0		CALL, Engine = , Parameters = 56	get_xmt_mode	04-029/03:15:21.1
11042	M1O	04-029/03:26:44.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-029/03:15:22.3
11043	M1O	04-029/03:27:49.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-029/03:16:27.1
11044	M1O	04-029/03:27:50.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-029/03:16:28.1
11045	M1O	04-029/03:27:51.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-029/03:16:29.1
11046	M1O	04-029/03:27:52.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-029/03:16:30.1
11047	M1O	04-029/03:27:53.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-029/03:16:31.1
11048	M1O	04-029/03:27:54.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-029/03:16:32.1
11049	M1O	04-029/03:27:55.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-029/03:16:33.1
11050	M1O	04-029/03:41:01.3		NOTE: Descending Node Crossing 9422		04-029/03:29:39.3
11051	M1O	04-029/03:46:42.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-029/03:35:20.1
11052	M1O	04-029/03:46:43.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-029/03:35:21.2
11053	M1O	04-029/03:46:53.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-029/03:35:31.2
11054	M1O	04-029/03:46:54.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-029/03:35:32.2
11055	M1O	04-029/04:09:28.3		NOTE: Periapsis 9422 ----------		04-029/03:58:06.2
11056	M1O	04-029/04:10:17.7		NOTE: South Pole Crossing 9422		04-029/03:58:55.6
11057	M1O	04-029/04:30:00.0	14	Begin Pre-Cal		
11058	M1O	04-029/04:30:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
11059	M1O	04-029/04:30:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
11060	M1O	04-029/04:30:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
11061	M1O	04-029/04:30:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11062	M1O	04-029/04:30:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
11063	M1O	04-029/04:30:00.0	14	Config: RCV: Parms:		
11064	M1O	04-029/04:30:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
11065	M1O	04-029/04:30:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
11066	M1O	04-029/04:30:00.0	14	Config: TXL		
11067	M1O	04-029/04:30:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
11068	M1O	04-029/04:30:00.0	14	Config: CMD		
11069	M1O	04-029/04:38:04.0		NOTE: Enter Solar Eclipse 9422		04-029/04:26:41.8
11070	M1O	04-029/04:39:36.4		NOTE: Ascending Node Crossing 9422		04-029/04:28:14.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11071	M1O	04-029/04:53:58.5		NOTE: Exit Solar Eclipse 9422		04-029/04:42:36.3
11072	M1O	04-029/05:08:05.4		NOTE: Apoapsis 9422 -		04-029/04:56:43.1
11073	M1O	04-029/05:09:35.6		NOTE: North Pole Crossing 9422		04-029/04:58:13.3
11074	M1O	04-029/05:12:24.7		NOTE: Enter Planetary Atmosphere 9422		04-029/05:01:02.5
11075	M1O	04-029/05:15:00.0	14	Begin Tracking		
11076	M1O	04-029/05:15:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11077	M1O	04-029/05:16:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11078	M1O	04-029/05:21:47.6		NOTE: Exit Planetary Atmosphere 9422		04-029/05:10:25.3
11079	M1O	04-029/05:25:00.0	34	Begin Pre-Cal		
11080	M1O	04-029/05:25:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
11081	M1O	04-029/05:25:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
11082	M1O	04-029/05:25:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
11083	M1O	04-029/05:25:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11084	M1O	04-029/05:25:00.0	34	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
11085	M1O	04-029/05:25:00.0	34	Config: RCV: Parms:		
11086	M1O	04-029/05:25:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
11087	M1O	04-029/05:25:00.0	34	Config: TGC: BAND=X, SR=221200.000000		
11088	M1O	04-029/05:25:00.0	34	Config: TXL		
11089	M1O	04-029/05:25:00.0	34	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
11090	M1O	04-029/05:25:00.0	34	Config: CMD		
11091	M1O	04-029/05:25:00.0	34	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
11092	M1O	04-029/05:25:25.3		SPAWN, Engine = 65535, Parameters = 029, 02, FALSE, 00:13:57.228, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-029/05:14:03.0
11093	M1O	04-029/05:25:26.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-029/05:14:04.1
11094	M1O	04-029/05:25:28.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-029/05:14:06.1
11095	M1O	04-029/05:26:10.6		CALL, Engine = , Parameters = 56	get_apid	04-029/05:14:48.3
11096	M1O	04-029/05:26:11.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-029/05:14:49.4
11097	M1O	04-029/05:26:11.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-029/05:14:49.6
11098	M1O	04-029/05:26:13.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-029/05:14:50.7
11099	M1O	04-029/05:26:14.2		CALL, Engine = , Parameters = 56	get_coding	04-029/05:14:51.9
11100	M1O	04-029/05:26:15.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-029/05:14:53.1
11101	M1O	04-029/05:26:16.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-029/05:14:54.3
11102	M1O	04-029/05:27:21.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-029/05:15:59.1
11103	M1O	04-029/05:27:22.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-029/05:16:00.1
11104	M1O	04-029/05:27:23.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-029/05:16:01.1
11105	M1O	04-029/05:27:24.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-029/05:16:02.1
11106	M1O	04-029/05:27:25.4		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-029/05:16:03.1
11107	M1O	04-029/05:27:26.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-029/05:16:04.1
11108	M1O	04-029/05:27:27.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-029/05:16:05.1
11109	M1O	04-029/05:37:41.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-029/05:26:19.1
11110	M1O	04-029/05:37:43.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/05:26:21.2
11111	M1O	04-029/05:37:43.6	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11112	M1O	04-029/05:37:43.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11113	M1O	04-029/05:37:44.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-029/05:26:22.2
11114	M1O	04-029/05:38:44.5	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11115	M1O	04-029/05:38:44.5	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11116	M1O	04-029/05:39:31.9		NOTE: Descending Node Crossing 9423		04-029/05:28:09.5
11117	M1O	04-029/05:41:20.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-029/05:29:58.3
11118	M1O	04-029/05:41:21.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-029/05:29:59.4
11119	M1O	04-029/05:41:31.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-029/05:30:09.4
11120	M1O	04-029/05:41:32.8		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	04-029/05:30:10.4
11121	M1O	04-029/05:43:43.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-029/05:32:21.2
11122	M1O	04-029/05:43:43.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11123	M1O	04-029/05:43:43.6	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		
11124	M1O	04-029/05:43:44.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-029/05:32:22.2
11125	M1O	04-029/06:07:40.7		NOTE: Periapsis 9423 ----------		04-029/05:56:18.2
11126	M1O	04-029/06:08:48.4		NOTE: South Pole Crossing 9423		04-029/05:57:25.9
11127	M1O	04-029/06:10:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
11128	M1O	04-029/06:22:14.9	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
11129	M1O	04-029/06:25:00.0	14	X-Band Transmitter Off		
11130	M1O	04-029/06:35:22.0	14	NOTE: Below Uplink Interlock Limit		
11131	M1O	04-029/06:36:37.3		NOTE: Enter Solar Eclipse 9423		04-029/06:25:14.8
11132	M1O	04-029/06:38:07.9		NOTE: Ascending Node Crossing 9423		04-029/06:26:45.3
11133	M1O	04-029/06:40:00.0	34	Begin Tracking		
11134	M1O	04-029/06:40:00.0	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		
11135	M1O	04-029/06:41:00.0	34	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11136	M1O	04-029/06:45:00.0	14	End Tracking		
11137	M1O	04-029/06:46:00.0	34	Range Modulation On: SUP=3.0dB		
11138	M1O	04-029/06:46:42.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-029/06:35:20.3
11139	M1O	04-029/06:46:45.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/06:35:22.4
11140	M1O	04-029/06:46:45.0	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		
11141	M1O	04-029/06:46:45.0	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		
11142	M1O	04-029/06:46:46.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-029/06:35:23.4
11143	M1O	04-029/06:47:00.0	34	Begin Ranging Acquisition		
11144	M1O	04-029/06:47:45.0	34	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11145	M1O	04-029/06:47:45.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11146	M1O	04-029/06:52:27.3		NOTE: Exit Solar Eclipse 9423		04-029/06:41:04.7
11147	M1O	04-029/06:52:45.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-029/06:41:22.4
11148	M1O	04-029/06:52:45.0	34	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11149	M1O	04-029/06:52:45.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11150	M1O	04-029/06:52:46.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-029/06:41:23.4
11151	M1O	04-029/07:00:00.0	14	End Post-Cal		
11152	M1O	04-029/07:02:42.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-029/06:51:20.3
11153	M1O	04-029/07:02:45.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/06:51:22.4
11154	M1O	04-029/07:02:45.0	34	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11155	M1O	04-029/07:02:45.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11156	M1O	04-029/07:02:46.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-029/06:51:23.4
11157	M1O	04-029/07:03:45.1	34	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11158	M1O	04-029/07:03:45.1	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		
11159	M1O	04-029/07:06:37.2		NOTE: Apoapsis 9423 -		04-029/06:55:14.6
11160	M1O	04-029/07:08:07.0		NOTE: North Pole Crossing 9423		04-029/06:56:44.3
11161	M1O	04-029/07:08:45.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-029/06:57:22.4
11162	M1O	04-029/07:08:45.0	34	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11163	M1O	04-029/07:08:45.0	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		
11164	M1O	04-029/07:08:46.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-029/06:57:23.4
11165	M1O	04-029/07:11:03.8		NOTE: Enter Planetary Atmosphere 9423		04-029/06:59:41.1
11166	M1O	04-029/07:11:22.6		SPAWN, Engine = 65535, Parameters =	scdiag	04-029/07:00:00.0
11167	M1O	04-029/07:11:23.7		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-029/07:00:01.1
11168	M1O	04-029/07:11:24.7		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-029/07:00:02.1
11169	M1O	04-029/07:12:25.6		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-029/07:01:03.0
11170	M1O	04-029/07:12:25.8		NOTE: Start Block fsw_diag		04-029/07:01:03.2
11171	M1O	04-029/07:12:26.8		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-029/07:01:04.2
11172	M1O	04-029/07:12:27.8		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	04-029/07:01:05.2
11173	M1O	04-029/07:12:38.8		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	04-029/07:01:16.2
11174	M1O	04-029/07:13:08.8		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-029/07:01:46.2
11175	M1O	04-029/07:13:28.8		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-029/07:02:06.2
11176	M1O	04-029/07:13:38.8		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-029/07:02:16.2
11177	M1O	04-029/07:13:58.8		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-029/07:02:36.2
11178	M1O	04-029/07:14:08.8		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-029/07:02:46.2
11179	M1O	04-029/07:14:13.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-029/07:02:51.2
11180	M1O	04-029/07:14:18.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-029/07:02:56.2
11181	M1O	04-029/07:14:23.8		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-029/07:03:01.2
11182	M1O	04-029/07:14:28.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-029/07:03:06.2
11183	M1O	04-029/07:14:33.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-029/07:03:11.2
11184	M1O	04-029/07:15:13.8		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-029/07:03:51.2
11185	M1O	04-029/07:15:18.8		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-029/07:03:56.2
11186	M1O	04-029/07:15:23.8		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-029/07:04:01.2
11187	M1O	04-029/07:15:28.8		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-029/07:04:06.2
11188	M1O	04-029/07:15:33.8		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-029/07:04:11.2
11189	M1O	04-029/07:15:34.8		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-029/07:04:12.2
11190	M1O	04-029/07:15:35.8		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-029/07:04:13.2
11191	M1O	04-029/07:15:36.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-029/07:04:14.2
11192	M1O	04-029/07:15:47.8		NOTE: End Block fsw_diag.mod		04-029/07:04:25.2
11193	M1O	04-029/07:20:11.0		NOTE: Exit Planetary Atmosphere 9423		04-029/07:08:48.4
11194	M1O	04-029/07:38:03.2		NOTE: Descending Node Crossing 9424		04-029/07:26:40.5
11195	M1O	04-029/08:06:11.6		NOTE: Periapsis 9424 ----------		04-029/07:54:48.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11196	M1O	04-029/08:07:20.5		NOTE: South Pole Crossing 9424		04-029/07:55:57.7
11197	M1O	04-029/08:35:11.7		NOTE: Enter Solar Eclipse 9424		04-029/08:23:48.8
11198	M1O	04-029/08:36:41.0		NOTE: Ascending Node Crossing 9424		04-029/08:25:18.0
11199	M1O	04-029/08:50:54.1		NOTE: Exit Solar Eclipse 9424		04-029/08:39:31.1
11200	M1O	04-029/09:05:22.4		NOTE: Apoapsis 9424 -		04-029/08:53:59.4
11201	M1O	04-029/09:06:41.4		NOTE: North Pole Crossing 9424		04-029/08:55:18.4
11202	M1O	04-029/09:09:59.1		NOTE: Enter Planetary Atmosphere 9424		04-029/08:58:36.1
11203	M1O	04-029/09:18:27.4		NOTE: Exit Planetary Atmosphere 9424		04-029/09:07:04.3
11204	M1O	04-029/09:27:55.0		SPAWN, Engine = 65535, Parameters = 029, 01, FALSE, 00:15:52.045, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-029/09:16:32.0
11205	M1O	04-029/09:27:56.1		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	04-029/09:16:33.1
11206	M1O	04-029/09:27:58.1		CALL, Engine = , Parameters = 253	get_cmd_opt	04-029/09:16:35.1
11207	M1O	04-029/09:28:40.4		CALL, Engine = , Parameters = 253	get_apid	04-029/09:17:17.3
11208	M1O	04-029/09:28:41.5		CALL, Engine = , Parameters = 253	get_rcv_mode	04-029/09:17:18.4
11209	M1O	04-029/09:28:41.7		CALL, Engine = , Parameters = 253	get_dl_rate	04-029/09:17:18.6
11210	M1O	04-029/09:28:42.8		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-029/09:17:19.7
11211	M1O	04-029/09:28:44.1		CALL, Engine = , Parameters = 253	get_coding	04-029/09:17:21.0
11212	M1O	04-029/09:28:45.3		CALL, Engine = , Parameters = 253	get_xmt_mode	04-029/09:17:22.2
11213	M1O	04-029/09:28:46.5		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-029/09:17:23.4
11214	M1O	04-029/09:29:51.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-029/09:18:28.2
11215	M1O	04-029/09:29:52.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-029/09:18:29.2
11216	M1O	04-029/09:29:53.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-029/09:18:30.2
11217	M1O	04-029/09:29:54.3		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-029/09:18:31.2
11218	M1O	04-029/09:29:55.3		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-029/09:18:32.2
11219	M1O	04-029/09:29:56.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-029/09:18:33.2
11220	M1O	04-029/09:29:57.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-029/09:18:34.2
11221	M1O	04-029/09:36:39.1		NOTE: Descending Node Crossing 9425		04-029/09:25:16.0
11222	M1O	04-029/09:45:45.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-029/09:34:22.2
11223	M1O	04-029/09:45:46.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-029/09:34:23.3
11224	M1O	04-029/09:45:56.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-029/09:34:33.3
11225	M1O	04-029/09:45:57.5		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	04-029/09:34:34.3
11226	M1O	04-029/10:04:56.2		NOTE: Periapsis 9425 ----------		04-029/09:53:33.0
11227	M1O	04-029/10:05:56.4		NOTE: South Pole Crossing 9425		04-029/09:54:33.2
11228	M1O	04-029/10:19:04.2		SPAWN, Engine = 65535, Parameters = 029, 01, TRUE, 00:19:16, 254, TRUE, 128_KPS, 00:02:00, 00:00:00	uhf	04-029/10:07:41.0
11229	M1O	04-029/10:19:05.3		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	04-029/10:07:42.1
11230	M1O	04-029/10:19:07.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-029/10:07:44.1
11231	M1O	04-029/10:19:07.6		CALL, Engine = , Parameters = 029, 01, 254	bld_autosw	04-029/10:07:44.4
11232	M1O	04-029/10:19:08.7		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	04-029/10:07:45.5
11233	M1O	04-029/10:19:09.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:07:46.6
11234	M1O	04-029/10:19:10.8		Deletes the designated file.: d:/dat/254_doy029_pass01_file01.dat	FILE_DELETE	04-029/10:07:47.6
11235	M1O	04-029/10:19:11.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:07:48.7
11236	M1O	04-029/10:19:12.9		Deletes the designated file.: d:/dat/254_doy029_pass01_file02.dat	FILE_DELETE	04-029/10:07:49.7
11237	M1O	04-029/10:19:14.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:07:50.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11238	M1O	04-029/10:19:15.0		Deletes the designated file.: d:/dat/254_doy029_pass01_file03.dat	FILE_DELETE	04-029/10:07:51.8
11239	M1O	04-029/10:19:16.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:07:52.9
11240	M1O	04-029/10:19:17.1		Deletes the designated file.: d:/dat/254_doy029_pass01_file04.dat	FILE_DELETE	04-029/10:07:53.9
11241	M1O	04-029/10:19:18.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:07:55.0
11242	M1O	04-029/10:19:19.2		Deletes the designated file.: d:/dat/254_doy029_pass01_file05.dat	FILE_DELETE	04-029/10:07:56.0
11243	M1O	04-029/10:19:20.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:07:57.1
11244	M1O	04-029/10:19:21.3		Deletes the designated file.: d:/dat/254_doy029_pass01_file06.dat	FILE_DELETE	04-029/10:07:58.1
11245	M1O	04-029/10:19:22.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:07:59.2
11246	M1O	04-029/10:19:23.4		Deletes the designated file.: d:/dat/254_doy029_pass01_file07.dat	FILE_DELETE	04-029/10:08:00.2
11247	M1O	04-029/10:19:24.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:08:01.3
11248	M1O	04-029/10:19:25.5		Deletes the designated file.: d:/dat/254_doy029_pass01_file08.dat	FILE_DELETE	04-029/10:08:02.3
11249	M1O	04-029/10:19:26.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:08:03.4
11250	M1O	04-029/10:19:27.6		Deletes the designated file.: d:/dat/254_doy029_pass01_file09.dat	FILE_DELETE	04-029/10:08:04.4
11251	M1O	04-029/10:19:28.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:08:05.5
11252	M1O	04-029/10:19:29.7		Deletes the designated file.: d:/dat/254_doy029_pass01_file10.dat	FILE_DELETE	04-029/10:08:06.5
11253	M1O	04-029/10:19:30.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:08:07.6
11254	M1O	04-029/10:19:31.8		Deletes the designated file.: d:/dat/254_doy029_pass01_file11.dat	FILE_DELETE	04-029/10:08:08.6
11255	M1O	04-029/10:19:32.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:08:09.7
11256	M1O	04-029/10:19:33.9		Deletes the designated file.: d:/dat/254_doy029_pass01_file12.dat	FILE_DELETE	04-029/10:08:10.7
11257	M1O	04-029/10:19:35.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:08:11.8
11258	M1O	04-029/10:19:36.0		Deletes the designated file.: d:/dat/254_doy029_pass01_file13.dat	FILE_DELETE	04-029/10:08:12.8
11259	M1O	04-029/10:19:37.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:08:13.9
11260	M1O	04-029/10:19:38.1		Deletes the designated file.: d:/dat/254_doy029_pass01_file14.dat	FILE_DELETE	04-029/10:08:14.9
11261	M1O	04-029/10:19:39.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:08:16.0
11262	M1O	04-029/10:19:40.2		Deletes the designated file.: d:/dat/254_doy029_pass01_file15.dat	FILE_DELETE	04-029/10:08:17.0
11263	M1O	04-029/10:19:41.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:08:18.1
11264	M1O	04-029/10:19:42.3		Deletes the designated file.: d:/dat/254_doy029_pass01_file16.dat	FILE_DELETE	04-029/10:08:19.1
11265	M1O	04-029/10:19:43.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:08:20.2
11266	M1O	04-029/10:19:44.4		Deletes the designated file.: d:/dat/254_doy029_pass01_file17.dat	FILE_DELETE	04-029/10:08:21.2
11267	M1O	04-029/10:19:45.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:08:22.3
11268	M1O	04-029/10:19:46.5		Deletes the designated file.: d:/dat/254_doy029_pass01_file18.dat	FILE_DELETE	04-029/10:08:23.3
11269	M1O	04-029/10:19:47.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/10:08:24.4
11270	M1O	04-029/10:19:48.6		Deletes the designated file.: d:/dat/254_doy029_pass01_file19.dat	FILE_DELETE	04-029/10:08:25.4
11271	M1O	04-029/10:19:49.6		CALL, Engine = , Parameters = 254	get_apid	04-029/10:08:26.4
11272	M1O	04-029/10:19:50.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-029/10:08:27.5
11273	M1O	04-029/10:19:50.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-029/10:08:27.7
11274	M1O	04-029/10:19:52.0		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-029/10:08:28.8
11275	M1O	04-029/10:19:53.3		CALL, Engine = , Parameters = 254	get_coding	04-029/10:08:30.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11276	M1O	04-029/10:19:54.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-029/10:08:31.3
11277	M1O	04-029/10:19:55.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-029/10:08:32.5
11278	M1O	04-029/10:21:00.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-029/10:09:37.3
11279	M1O	04-029/10:21:01.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-029/10:09:38.3
11280	M1O	04-029/10:21:02.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-029/10:09:39.3
11281	M1O	04-029/10:21:03.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-029/10:09:40.3
11282	M1O	04-029/10:21:04.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-029/10:09:41.3
11283	M1O	04-029/10:21:05.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-029/10:09:42.3
11284	M1O	04-029/10:21:06.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-029/10:09:43.3
11285	M1O	04-029/10:21:07.5		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-029/10:09:44.3
11286	M1O	04-029/10:21:08.5		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-029/10:09:45.3
11287	M1O	04-029/10:22:56.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/10:11:33.3
11288	M1O	04-029/10:22:56.5	34	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11289	M1O	04-029/10:22:56.5	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		
11290	M1O	04-029/10:23:01.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/10:11:38.5
11291	M1O	04-029/10:23:06.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-029/10:11:43.3
11292	M1O	04-029/10:33:46.6		NOTE: Enter Solar Eclipse 9425		04-029/10:22:23.3
11293	M1O	04-029/10:35:16.5		NOTE: Ascending Node Crossing 9425		04-029/10:23:53.2
11294	M1O	04-029/10:40:00.0	65	Begin Pre-Cal		
11295	M1O	04-029/10:40:00.0	65	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
11296	M1O	04-029/10:40:00.0	65	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
11297	M1O	04-029/10:40:00.0	65	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
11298	M1O	04-029/10:40:00.0	65	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11299	M1O	04-029/10:40:00.0	65	At BOT: S/C Tlm Mode: BR=0.0, FL=10112, SC=375KHZ, MI=71.7		
11300	M1O	04-029/10:40:00.0	65	Config: RCV: Parms:		
11301	M1O	04-029/10:40:00.0	65	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
11302	M1O	04-029/10:40:00.0	65	Config: TGC: BAND=X, SR=0.000000		
11303	M1O	04-029/10:40:00.0	65	Config: TXL		
11304	M1O	04-029/10:40:00.0	65	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
11305	M1O	04-029/10:40:00.0	65	Config: CMD		
11306	M1O	04-029/10:40:00.0	65	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
11307	M1O	04-029/10:40:17.6		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-029/10:28:54.3
11308	M1O	04-029/10:40:18.6		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-029/10:28:55.3
11309	M1O	04-029/10:40:20.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-029/10:28:57.3
11310	M1O	04-029/10:40:21.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-029/10:28:58.4
11311	M1O	04-029/10:40:31.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-029/10:29:08.4
11312	M1O	04-029/10:40:32.7		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	04-029/10:29:09.4
11313	M1O	04-029/10:40:33.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-029/10:29:10.4
11314	M1O	04-029/10:40:33.7	34	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11315	M1O	04-029/10:40:33.7	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		
11316	M1O	04-029/10:40:34.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-029/10:29:11.4
11317	M1O	04-029/10:45:33.3		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-029/10:34:10.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
11318	M1O	04-029/10:45:33.3	34	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11319	M1O	04-029/10:45:33.3	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		
11320	M1O	04-029/10:49:25.6		NOTE: Exit Solar Eclipse 9425		04-029/10:38:02.2
11321	M1O	04-029/11:03:57.2		NOTE: Apoapsis 9425 -		04-029/10:52:33.8
11322	M1O	04-029/11:05:17.7		NOTE: North Pole Crossing 9425		04-029/10:53:54.3
11323	M1O	04-029/11:08:46.6		NOTE: Enter Planetary Atmosphere 9425		04-029/10:57:23.2
11324	M1O	04-029/11:16:54.5		NOTE: Exit Planetary Atmosphere 9425		04-029/11:05:31.1
11325	M1O	04-029/11:20:00.0	34	NOTE: X-Band Transmitter Off in 15 minutes		
11326	M1O	04-029/11:24:25.4		SPAWN, Engine = 65535, Parameters = 029, 02, TRUE, 00:17:36, 253, TRUE, 32_KPS, 00:02:00, 00:00:00	uhf	04-029/11:13:02.0
11327	M1O	04-029/11:24:26.5		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	04-029/11:13:03.1
11328	M1O	04-029/11:24:28.5		CALL, Engine = , Parameters = 253	get_cmd_opt	04-029/11:13:05.1
11329	M1O	04-029/11:24:28.8		CALL, Engine = , Parameters = 029, 02, 253	bld_autosw	04-029/11:13:05.4
11330	M1O	04-029/11:24:29.9		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-029/11:13:06.5
11331	M1O	04-029/11:24:31.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:07.6
11332	M1O	04-029/11:24:32.0		Deletes the designated file.: d:/dat/253_doy029_pass02_file01.dat	FILE_DELETE	04-029/11:13:08.6
11333	M1O	04-029/11:24:33.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:09.7
11334	M1O	04-029/11:24:34.1		Deletes the designated file.: d:/dat/253_doy029_pass02_file02.dat	FILE_DELETE	04-029/11:13:10.7
11335	M1O	04-029/11:24:35.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:11.8
11336	M1O	04-029/11:24:36.2		Deletes the designated file.: d:/dat/253_doy029_pass02_file03.dat	FILE_DELETE	04-029/11:13:12.8
11337	M1O	04-029/11:24:37.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:13.9
11338	M1O	04-029/11:24:38.3		Deletes the designated file.: d:/dat/253_doy029_pass02_file04.dat	FILE_DELETE	04-029/11:13:14.9
11339	M1O	04-029/11:24:39.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:16.0
11340	M1O	04-029/11:24:40.4		Deletes the designated file.: d:/dat/253_doy029_pass02_file05.dat	FILE_DELETE	04-029/11:13:17.0
11341	M1O	04-029/11:24:41.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:18.1
11342	M1O	04-029/11:24:42.5		Deletes the designated file.: d:/dat/253_doy029_pass02_file06.dat	FILE_DELETE	04-029/11:13:19.1
11343	M1O	04-029/11:24:43.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:20.2
11344	M1O	04-029/11:24:44.6		Deletes the designated file.: d:/dat/253_doy029_pass02_file07.dat	FILE_DELETE	04-029/11:13:21.2
11345	M1O	04-029/11:24:45.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:22.3
11346	M1O	04-029/11:24:46.7		Deletes the designated file.: d:/dat/253_doy029_pass02_file08.dat	FILE_DELETE	04-029/11:13:23.3
11347	M1O	04-029/11:24:47.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:24.4
11348	M1O	04-029/11:24:48.8		Deletes the designated file.: d:/dat/253_doy029_pass02_file09.dat	FILE_DELETE	04-029/11:13:25.4
11349	M1O	04-029/11:24:49.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:26.5
11350	M1O	04-029/11:24:50.9		Deletes the designated file.: d:/dat/253_doy029_pass02_file10.dat	FILE_DELETE	04-029/11:13:27.5
11351	M1O	04-029/11:24:52.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:28.6
11352	M1O	04-029/11:24:53.0		Deletes the designated file.: d:/dat/253_doy029_pass02_file11.dat	FILE_DELETE	04-029/11:13:29.6
11353	M1O	04-029/11:24:54.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:30.7
11354	M1O	04-029/11:24:55.1		Deletes the designated file.: d:/dat/253_doy029_pass02_file12.dat	FILE_DELETE	04-029/11:13:31.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11355	M1O	04-029/11:24:56.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:32.8
11356	M1O	04-029/11:24:57.2		Deletes the designated file.: d:/dat/253_doy029_pass02_file13.dat	FILE_DELETE	04-029/11:13:33.8
11357	M1O	04-029/11:24:58.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:34.9
11358	M1O	04-029/11:24:59.3		Deletes the designated file.: d:/dat/253_doy029_pass02_file14.dat	FILE_DELETE	04-029/11:13:35.9
11359	M1O	04-029/11:25:00.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:37.0
11360	M1O	04-029/11:25:01.4		Deletes the designated file.: d:/dat/253_doy029_pass02_file15.dat	FILE_DELETE	04-029/11:13:38.0
11361	M1O	04-029/11:25:02.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:39.1
11362	M1O	04-029/11:25:03.5		Deletes the designated file.: d:/dat/253_doy029_pass02_file16.dat	FILE_DELETE	04-029/11:13:40.1
11363	M1O	04-029/11:25:04.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:41.2
11364	M1O	04-029/11:25:05.6		Deletes the designated file.: d:/dat/253_doy029_pass02_file17.dat	FILE_DELETE	04-029/11:13:42.2
11365	M1O	04-029/11:25:06.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:43.3
11366	M1O	04-029/11:25:07.7		Deletes the designated file.: d:/dat/253_doy029_pass02_file18.dat	FILE_DELETE	04-029/11:13:44.3
11367	M1O	04-029/11:25:08.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/11:13:45.4
11368	M1O	04-029/11:25:09.8		Deletes the designated file.: d:/dat/253_doy029_pass02_file19.dat	FILE_DELETE	04-029/11:13:46.4
11369	M1O	04-029/11:25:10.8		CALL, Engine = , Parameters = 253	get_apid	04-029/11:13:47.4
11370	M1O	04-029/11:25:11.9		CALL, Engine = , Parameters = 253	get_rcv_mode	04-029/11:13:48.5
11371	M1O	04-029/11:25:12.1		CALL, Engine = , Parameters = 253	get_dl_rate	04-029/11:13:48.7
11372	M1O	04-029/11:25:13.2		CALL, Engine = , Parameters = 253, TRUE	get_modulatn	04-029/11:13:49.8
11373	M1O	04-029/11:25:14.5		CALL, Engine = , Parameters = 253	get_coding	04-029/11:13:51.1
11374	M1O	04-029/11:25:15.7		CALL, Engine = , Parameters = 253	get_xmt_mode	04-029/11:13:52.3
11375	M1O	04-029/11:25:16.9		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-029/11:13:53.5
11376	M1O	04-029/11:26:21.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-029/11:14:58.3
11377	M1O	04-029/11:26:22.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-029/11:14:59.3
11378	M1O	04-029/11:26:23.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-029/11:15:00.3
11379	M1O	04-029/11:26:24.7		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-029/11:15:01.3
11380	M1O	04-029/11:26:25.7		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-029/11:15:02.3
11381	M1O	04-029/11:26:26.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-029/11:15:03.3
11382	M1O	04-029/11:26:27.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-029/11:15:04.3
11383	M1O	04-029/11:26:28.7		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-029/11:15:05.3
11384	M1O	04-029/11:26:29.7		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-029/11:15:06.3
11385	M1O	04-029/11:28:17.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/11:16:54.3
11386	M1O	04-029/11:28:17.7	34	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11387	M1O	04-029/11:28:17.7	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		
11388	M1O	04-029/11:28:22.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/11:16:59.5
11389	M1O	04-029/11:28:27.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-029/11:17:04.3
11390	M1O	04-029/11:30:00.0	34	Range Modulation Off		
11391	M1O	04-029/11:35:00.0	34	X-Band Transmitter Off		
11392	M1O	04-029/11:35:16.1		NOTE: Descending Node Crossing 9426		04-029/11:23:52.6
11393	M1O	04-029/11:37:12.8	34	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
11394	M1O	04-029/11:40:00.0	65	Begin Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11395	M1O	04-029/11:40:00.0	65	Acquire D/L: X/08, 3-Way/34, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11396	M1O	04-029/11:40:25.0	65	NOTE: Above Uplink Interlock Limit		
11397	M1O	04-029/11:43:58.8		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-029/11:32:35.3
11398	M1O	04-029/11:43:59.8		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-029/11:32:36.3
11399	M1O	04-029/11:44:01.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-029/11:32:38.3
11400	M1O	04-029/11:44:02.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-029/11:32:39.4
11401	M1O	04-029/11:44:12.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-029/11:32:49.4
11402	M1O	04-029/11:44:13.9		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	04-029/11:32:50.4
11403	M1O	04-029/11:44:14.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-029/11:32:51.4
11404	M1O	04-029/11:44:14.9	34	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11405	M1O	04-029/11:44:14.9	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		
11406	M1O	04-029/11:44:14.9	65	D/L Change: X/08, 3-Way/34, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11407	M1O	04-029/11:44:15.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-029/11:32:52.4
11408	M1O	04-029/11:45:00.0	65	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11409	M1O	04-029/11:45:28.0	34	NOTE: Below Uplink Interlock Limit		
11410	M1O	04-029/11:47:03.0	43	NOTE: Below Uplink Interlock Limit		
11411	M1O	04-029/11:49:14.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-029/11:37:51.0
11412	M1O	04-029/11:49:14.5	34	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11413	M1O	04-029/11:49:14.5	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		
11414	M1O	04-029/11:49:14.5	65	D/L Change: X/08, 3-Way/34, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11415	M1O	04-029/11:50:00.0	65	Range Modulation On: SUP=3.0dB		
11416	M1O	04-029/11:51:00.0	65	Begin Ranging Acquisition		
11417	M1O	04-029/11:56:43.9		SPAWN, Engine = 65535, Parameters = 3, 00:15:58.852, 1	dpt	04-029/11:45:20.3
11418	M1O	04-029/11:56:46.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/11:45:22.4
11419	M1O	04-029/11:56:46.0	34	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11420	M1O	04-029/11:56:46.0	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		
11421	M1O	04-029/11:56:46.0	65	D/L Change: X/08, 3-Way/34, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11422	M1O	04-029/11:56:47.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-029/11:45:23.4
11423	M1O	04-029/11:57:47.0	34	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11424	M1O	04-029/11:57:47.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11425	M1O	04-029/11:57:47.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11426	M1O	04-029/11:59:59.9		NOTE: Changing to 34M (HEF) downlink rate: 39816_BPS		04-029/11:48:36.3
11427	M1O	04-029/11:59:59.9		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-029/11:48:36.3
11428	M1O	04-029/11:59:59.9	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11429	M1O	04-029/11:59:59.9	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11430	M1O	04-029/11:59:59.9	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11431	M1O	04-029/12:00:00.0	43	End Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11432	M1O	04-029/12:00:00.0	34	End Tracking		
11433	M1O	04-029/12:00:07.1		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-029/11:48:43.5
11434	M1O	04-029/12:00:07.1	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11435	M1O	04-029/12:03:31.1		NOTE: Periapsis 9426 ----------		04-029/11:52:07.5
11436	M1O	04-029/12:04:33.3		NOTE: South Pole Crossing 9426		04-029/11:53:09.7
11437	M1O	04-029/12:07:47.0	65	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11438	M1O	04-029/12:12:44.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-029/12:01:21.2
11439	M1O	04-029/12:12:44.9	65	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11440	M1O	04-029/12:12:45.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-029/12:01:22.2
11441	M1O	04-029/12:15:00.0	43	End Post-Cal		
11442	M1O	04-029/12:15:00.0	34	End Post-Cal		
11443	M1O	04-029/12:21:06.6		SPAWN, Engine = 65535, Parameters = 029, 02, FALSE, 00:09:01.338, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-029/12:09:43.0
11444	M1O	04-029/12:21:07.7		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	04-029/12:09:44.1
11445	M1O	04-029/12:21:09.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-029/12:09:46.1
11446	M1O	04-029/12:21:51.9		CALL, Engine = , Parameters = 254	get_apid	04-029/12:10:28.3
11447	M1O	04-029/12:21:53.0		CALL, Engine = , Parameters = 254	get_rcv_mode	04-029/12:10:29.4
11448	M1O	04-029/12:21:53.2		CALL, Engine = , Parameters = 254	get_dl_rate	04-029/12:10:29.6
11449	M1O	04-029/12:21:54.3		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-029/12:10:30.7
11450	M1O	04-029/12:21:55.6		CALL, Engine = , Parameters = 254	get_coding	04-029/12:10:32.0
11451	M1O	04-029/12:21:56.8		CALL, Engine = , Parameters = 254	get_xmt_mode	04-029/12:10:33.2
11452	M1O	04-029/12:21:58.0		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-029/12:10:34.4
11453	M1O	04-029/12:23:02.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-029/12:11:39.2
11454	M1O	04-029/12:23:03.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-029/12:11:40.2
11455	M1O	04-029/12:23:04.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-029/12:11:41.2
11456	M1O	04-029/12:23:05.8		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-029/12:11:42.2
11457	M1O	04-029/12:23:06.8		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-029/12:11:43.2
11458	M1O	04-029/12:23:07.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-029/12:11:44.2
11459	M1O	04-029/12:23:08.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-029/12:11:45.2
11460	M1O	04-029/12:32:06.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-029/12:20:42.5
11461	M1O	04-029/12:32:07.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-029/12:20:43.6
11462	M1O	04-029/12:32:17.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-029/12:20:53.6
11463	M1O	04-029/12:32:18.3		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	04-029/12:20:54.6
11464	M1O	04-029/12:32:23.1		NOTE: Enter Solar Eclipse 9426		04-029/12:20:59.4
11465	M1O	04-029/12:33:53.2		NOTE: Ascending Node Crossing 9426		04-029/12:22:29.5
11466	M1O	04-029/12:48:01.8		NOTE: Exit Solar Eclipse 9426		04-029/12:36:38.1
11467	M1O	04-029/13:02:14.8		NOTE: Apoapsis 9426 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11476	M1O	04-029/14:32:08.1		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	04-029/14:20:44.1
11477	M1O	04-029/14:32:10.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-029/14:20:46.1
11478	M1O	04-029/14:32:29.1		NOTE: Ascending Node Crossing 9427		04-029/14:21:05.0
11479	M1O	04-029/14:32:52.3		CALL, Engine = , Parameters = 56	get_apid	04-029/14:21:28.3
11480	M1O	04-029/14:32:53.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-029/14:21:29.4
11481	M1O	04-029/14:32:53.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-029/14:21:29.6
11482	M1O	04-029/14:32:54.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-029/14:21:30.7
11483	M1O	04-029/14:32:55.9		CALL, Engine = , Parameters = 56	get_coding	04-029/14:21:31.9
11484	M1O	04-029/14:32:57.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-029/14:21:33.1
11485	M1O	04-029/14:32:58.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-029/14:21:34.3
11486	M1O	04-029/14:34:03.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-029/14:22:39.1
11487	M1O	04-029/14:34:04.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-029/14:22:40.1
11488	M1O	04-029/14:34:05.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-029/14:22:41.1
11489	M1O	04-029/14:34:06.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-029/14:22:42.1
11490	M1O	04-029/14:34:07.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-029/14:22:43.1
11491	M1O	04-029/14:34:08.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-029/14:22:44.1
11492	M1O	04-029/14:34:09.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-029/14:22:45.1
11493	M1O	04-029/14:41:58.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-029/14:30:33.9
11494	M1O	04-029/14:41:59.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-029/14:30:35.0
11495	M1O	04-029/14:42:09.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-029/14:30:45.0
11496	M1O	04-029/14:42:10.1		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	04-029/14:30:46.0
11497	M1O	04-029/14:46:40.7		NOTE: Exit Solar Eclipse 9427		04-029/14:35:16.6
11498	M1O	04-029/15:00:34.1		NOTE: Apoapsis 9427 -		04-029/14:49:10.0
11499	M1O	04-029/15:02:28.7		NOTE: North Pole Crossing 9427		04-029/14:51:04.5
11500	M1O	04-029/15:05:38.8		NOTE: Enter Planetary Atmosphere 9427		04-029/14:54:14.7
11501	M1O	04-029/15:14:21.2		NOTE: Exit Planetary Atmosphere 9427		04-029/15:02:57.0
11502	M1O	04-029/15:32:25.1		NOTE: Descending Node Crossing 9428		04-029/15:21:00.8
11503	M1O	04-029/16:00:35.0		NOTE: Periapsis 9428 ----------		04-029/15:49:10.7
11504	M1O	04-029/16:01:42.2		NOTE: South Pole Crossing 9428		04-029/15:50:17.8
11505	M1O	04-029/16:07:11.0	65	NOTE: X-Band Transmitter Off in 15 minutes		
11506	M1O	04-029/16:17:11.0	65	Range Modulation Off		
11507	M1O	04-029/16:22:11.0	65	X-Band Transmitter Off		
11508	M1O	04-029/16:22:11.0	65	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
11509	M1O	04-029/16:23:08.4		SPAWN, Engine = 65535, Parameters = 029, 04, FALSE, 00:19:36.135, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-029/16:11:44.0
11510	M1O	04-029/16:23:09.5		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	04-029/16:11:45.1
11511	M1O	04-029/16:23:11.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-029/16:11:47.1
11512	M1O	04-029/16:23:53.7		CALL, Engine = , Parameters = 56	get_apid	04-029/16:12:29.3
11513	M1O	04-029/16:23:54.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-029/16:12:30.4
11514	M1O	04-029/16:23:55.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-029/16:12:30.6
11515	M1O	04-029/16:23:56.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-029/16:12:31.7
11516	M1O	04-029/16:23:57.3		CALL, Engine = , Parameters = 56	get_coding	04-029/16:12:32.9
11517	M1O	04-029/16:23:58.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-029/16:12:34.1
11518	M1O	04-029/16:23:59.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-029/16:12:35.3
11519	M1O	04-029/16:25:04.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-029/16:13:40.1
11520	M1O	04-029/16:25:05.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-029/16:13:41.1
11521	M1O	04-029/16:25:06.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-029/16:13:42.1
11522	M1O	04-029/16:25:07.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-029/16:13:43.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11523	M1O	04-029/16:25:08.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-029/16:13:44.1
11524	M1O	04-029/16:25:09.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-029/16:13:45.1
11525	M1O	04-029/16:25:10.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-029/16:13:46.1
11526	M1O	04-029/16:29:31.7		NOTE: Enter Solar Eclipse 9428		04-029/16:18:07.3
11527	M1O	04-029/16:31:02.1		NOTE: Ascending Node Crossing 9428		04-029/16:19:37.6
11528	M1O	04-029/16:36:48.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-029/16:25:24.0
11529	M1O	04-029/16:37:04.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-027T16:25:24.100, 2004-029T16:25:24.100	PCKTS_RE_TX_TIME	04-029/16:25:39.8
11530	M1O	04-029/16:37:05.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-027T16:25:24.100, 2004-029T16:25:24.100	PCKTS_RE_TX_TIME	04-029/16:25:40.8
11531	M1O	04-029/16:37:06.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-027T16:25:24.100, 2004-029T16:25:24.100	PCKTS_RE_TX_TIME	04-029/16:25:41.8
11532	M1O	04-029/16:37:07.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-027T16:25:24.100, 2004-029T16:25:24.100	PCKTS_RE_TX_TIME	04-029/16:25:42.8
11533	M1O	04-029/16:37:08.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-027T16:25:24.100, 2004-029T16:25:24.100	PCKTS_RE_TX_TIME	04-029/16:25:43.8
11534	M1O	04-029/16:37:09.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-027T16:25:24.100, 2004-029T16:25:24.100	PCKTS_RE_TX_TIME	04-029/16:25:44.8
11535	M1O	04-029/16:37:09.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-029/16:25:44.8
11536	M1O	04-029/16:37:09.2	65	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11537	M1O	04-029/16:44:10.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/16:32:45.8
11538	M1O	04-029/16:44:10.2	65	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11539	M1O	04-029/16:44:11.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-029/16:32:46.8
11540	M1O	04-029/16:44:27.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-029/16:33:02.8
11541	M1O	04-029/16:44:27.2	65	D/L RF Warning: SC antenna change - expect signal level variation		
11542	M1O	04-029/16:44:28.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-029/16:33:03.8
11543	M1O	04-029/16:44:42.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-029/16:33:18.2
11544	M1O	04-029/16:44:43.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-029/16:33:19.3
11545	M1O	04-029/16:44:53.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-029/16:33:29.3
11546	M1O	04-029/16:44:54.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-029/16:33:30.3
11547	M1O	04-029/16:44:59.8	65	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11548	M1O	04-029/16:45:00.0	65	End Tracking		
11549	M1O	04-029/16:45:16.8		NOTE: Exit Solar Eclipse 9428		04-029/16:33:52.3
11550	M1O	04-029/16:59:16.0		NOTE: Apoapsis 9428 -		04-029/16:47:51.4
11551	M1O	04-029/17:00:00.0	65	End Post-Cal		
11552	M1O	04-029/17:01:00.8		NOTE: North Pole Crossing 9428		04-029/16:49:36.3
11553	M1O	04-029/17:04:01.7		NOTE: Enter Planetary Atmosphere 9428		04-029/16:52:37.2
11554	M1O	04-029/17:12:59.1		NOTE: Exit Planetary Atmosphere 9428		04-029/17:01:34.5
11555	M1O	04-029/17:30:56.5		NOTE: Descending Node Crossing 9429		04-029/17:19:31.9
11556	M1O	04-029/17:59:02.0		NOTE: Periapsis 9429 ----------		04-029/17:47:37.3
11557	M1O	04-029/18:00:00.0	25	Begin Pre-Cal		
11558	M1O	04-029/18:00:00.0	25	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
11559	M1O	04-029/18:00:00.0	25	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
11560	M1O	04-029/18:00:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
11561	M1O	04-029/18:00:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11562	M1O	04-029/18:00:00.0	25	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
11563	M1O	04-029/18:00:00.0	25	Config: RCV: Parms:		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11564	M1O	04-029/18:00:00.0	25	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
11565	M1O	04-029/18:00:00.0	25	Config: TGC: BAND=X, SR=238896.000000		
11566	M1O	04-029/18:00:00.0	25	Config: TXL		
11567	M1O	04-029/18:00:00.0	25	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
11568	M1O	04-029/18:00:00.0	25	Config: CMD		
11569	M1O	04-029/18:00:00.0	25	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
11570	M1O	04-029/18:00:12.7		NOTE: South Pole Crossing 9429		04-029/17:48:48.0
11571	M1O	04-029/18:28:02.0		NOTE: Enter Solar Eclipse 9429		04-029/18:16:37.2
11572	M1O	04-029/18:29:32.0		NOTE: Ascending Node Crossing 9429		04-029/18:18:07.2
11573	M1O	04-029/18:43:43.6		NOTE: Exit Solar Eclipse 9429		04-029/18:32:18.7
11574	M1O	04-029/18:57:41.6		NOTE: Apoapsis 9429 -		04-029/18:46:16.7
11575	M1O	04-029/18:59:31.7		NOTE: North Pole Crossing 9429		04-029/18:48:06.8
11576	M1O	04-029/19:02:41.6		NOTE: Enter Planetary Atmosphere 9429		04-029/18:51:16.7
11577	M1O	04-029/19:11:22.1		NOTE: Exit Planetary Atmosphere 9429		04-029/18:59:57.2
11578	M1O	04-029/19:29:28.0		NOTE: Descending Node Crossing 9430		04-029/19:18:03.0
11579	M1O	04-029/19:29:35.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-029/19:18:10.2
11580	M1O	04-029/19:29:35.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/19:18:10.3
11581	M1O	04-029/19:29:36.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-029/19:18:11.3
11582	M1O	04-029/19:29:37.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-029/19:18:12.3
11583	M1O	04-029/19:29:38.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-029/19:18:13.3
11584	M1O	04-029/19:29:39.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-029/19:18:14.3
11585	M1O	04-029/19:29:49.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-029/19:18:24.3
11586	M1O	04-029/19:29:59.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-029/19:18:34.3
11587	M1O	04-029/19:30:00.0	25	Begin Tracking		
11588	M1O	04-029/19:30:00.0	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11589	M1O	04-029/19:31:00.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11590	M1O	04-029/19:34:59.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-029/19:23:34.3
11591	M1O	04-029/19:35:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-029/19:23:35.3
11592	M1O	04-029/19:35:00.3	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11593	M1O	04-029/19:35:01.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-029/19:23:36.3
11594	M1O	04-029/19:36:00.0	25	Range Modulation On: SUP=3.0dB		
11595	M1O	04-029/19:37:00.0	25	Begin Ranging Acquisition		
11596	M1O	04-029/19:52:47.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-029/19:41:22.6
11597	M1O	04-029/19:52:49.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/19:41:24.7
11598	M1O	04-029/19:52:49.8	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11599	M1O	04-029/19:52:50.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-029/19:41:25.7
11600	M1O	04-029/19:53:50.0	25	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11601	M1O	04-029/19:57:12.7		NOTE: Periapsis 9430 ----------		04-029/19:45:47.6
11602	M1O	04-029/19:58:44.1		NOTE: South Pole Crossing 9430		04-029/19:47:19.0
11603	M1O	04-029/19:58:49.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-029/19:47:24.7
11604	M1O	04-029/19:58:49.8	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11605	M1O	04-029/19:58:50.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-029/19:47:25.7
11606	M1O	04-029/20:26:37.3		NOTE: Enter Solar Eclipse 9430		04-029/20:15:12.1
11607	M1O	04-029/20:28:04.2		NOTE: Ascending Node Crossing 9430		04-029/20:16:39.0
11608	M1O	04-029/20:42:08.8		NOTE: Exit Solar Eclipse 9430		04-029/20:30:43.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11609	M1O	04-029/20:55:58.7		NOTE: Apoapsis 9430 -		04-029/20:44:33.4
11610	M1O	04-029/20:58:04.9		NOTE: North Pole Crossing 9430		04-029/20:46:39.6
11611	M1O	04-029/21:01:32.5		NOTE: Enter Planetary Atmosphere 9430		04-029/20:50:07.2
11612	M1O	04-029/21:09:40.5		NOTE: Exit Planetary Atmosphere 9430		04-029/20:58:15.1
11613	M1O	04-029/21:24:59.3		SPAWN, Engine = 65535, Parameters = 029, 03, FALSE, 00:13:42.597, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-029/21:13:34.0
11614	M1O	04-029/21:25:00.4		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	04-029/21:13:35.1
11615	M1O	04-029/21:25:02.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-029/21:13:37.1
11616	M1O	04-029/21:25:44.6		CALL, Engine = , Parameters = 254	get_apid	04-029/21:14:19.3
11617	M1O	04-029/21:25:45.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-029/21:14:20.4
11618	M1O	04-029/21:25:45.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-029/21:14:20.6
11619	M1O	04-029/21:25:47.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-029/21:14:21.7
11620	M1O	04-029/21:25:48.3		CALL, Engine = , Parameters = 254	get_coding	04-029/21:14:23.0
11621	M1O	04-029/21:25:49.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-029/21:14:24.2
11622	M1O	04-029/21:25:50.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-029/21:14:25.4
11623	M1O	04-029/21:26:55.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-029/21:15:30.2
11624	M1O	04-029/21:26:56.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-029/21:15:31.2
11625	M1O	04-029/21:26:57.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-029/21:15:32.2
11626	M1O	04-029/21:26:58.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-029/21:15:33.2
11627	M1O	04-029/21:26:59.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-029/21:15:34.2
11628	M1O	04-029/21:27:00.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-029/21:15:35.2
11629	M1O	04-029/21:27:01.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-029/21:15:36.2
11630	M1O	04-029/21:28:01.9		NOTE: Descending Node Crossing 9431		04-029/21:16:36.5
11631	M1O	04-029/21:40:40.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-029/21:29:14.7
11632	M1O	04-029/21:40:41.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-029/21:29:15.8
11633	M1O	04-029/21:40:51.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-029/21:29:25.8
11634	M1O	04-029/21:40:52.3		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	04-029/21:29:26.8
11635	M1O	04-029/21:55:52.4		NOTE: Periapsis 9431 ----------		04-029/21:44:26.9
11636	M1O	04-029/21:57:19.4		NOTE: South Pole Crossing 9431		04-029/21:45:53.9
11637	M1O	04-029/22:15:20.5		SPAWN, Engine = 65535, Parameters = 029, 03, TRUE, 00:18:27, 253, TRUE, 32_KPS, 00:02:00, 00:00:00	uhf	04-029/22:03:55.0
11638	M1O	04-029/22:15:21.6		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	04-029/22:03:56.1
11639	M1O	04-029/22:15:23.6		CALL, Engine = , Parameters = 253	get_cmd_opt	04-029/22:03:58.1
11640	M1O	04-029/22:15:23.9		CALL, Engine = , Parameters = 029, 03, 253	bld_autosw	04-029/22:03:58.4
11641	M1O	04-029/22:15:25.0		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-029/22:03:59.5
11642	M1O	04-029/22:15:26.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:00.6
11643	M1O	04-029/22:15:27.1		Deletes the designated file.: d:/dat/253_doy029_pass03_file01.dat	FILE_DELETE	04-029/22:04:01.6
11644	M1O	04-029/22:15:28.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:02.7
11645	M1O	04-029/22:15:29.2		Deletes the designated file.: d:/dat/253_doy029_pass03_file02.dat	FILE_DELETE	04-029/22:04:03.7
11646	M1O	04-029/22:15:30.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:04.8
11647	M1O	04-029/22:15:31.3		Deletes the designated file.: d:/dat/253_doy029_pass03_file03.dat	FILE_DELETE	04-029/22:04:05.8
11648	M1O	04-029/22:15:32.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:06.9
11649	M1O	04-029/22:15:33.4		Deletes the designated file.: d:/dat/253_doy029_pass03_file04.dat	FILE_DELETE	04-029/22:04:07.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11650	M1O	04-029/22:15:34.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:09.0
11651	M1O	04-029/22:15:35.5		Deletes the designated file.: d:/dat/253_doy029_pass03_file05.dat	FILE_DELETE	04-029/22:04:10.0
11652	M1O	04-029/22:15:36.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:11.1
11653	M1O	04-029/22:15:37.6		Deletes the designated file.: d:/dat/253_doy029_pass03_file06.dat	FILE_DELETE	04-029/22:04:12.1
11654	M1O	04-029/22:15:38.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:13.2
11655	M1O	04-029/22:15:39.7		Deletes the designated file.: d:/dat/253_doy029_pass03_file07.dat	FILE_DELETE	04-029/22:04:14.2
11656	M1O	04-029/22:15:40.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:15.3
11657	M1O	04-029/22:15:41.8		Deletes the designated file.: d:/dat/253_doy029_pass03_file08.dat	FILE_DELETE	04-029/22:04:16.3
11658	M1O	04-029/22:15:42.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:17.4
11659	M1O	04-029/22:15:43.9		Deletes the designated file.: d:/dat/253_doy029_pass03_file09.dat	FILE_DELETE	04-029/22:04:18.4
11660	M1O	04-029/22:15:45.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:19.5
11661	M1O	04-029/22:15:46.0		Deletes the designated file.: d:/dat/253_doy029_pass03_file10.dat	FILE_DELETE	04-029/22:04:20.5
11662	M1O	04-029/22:15:47.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:21.6
11663	M1O	04-029/22:15:48.1		Deletes the designated file.: d:/dat/253_doy029_pass03_file11.dat	FILE_DELETE	04-029/22:04:22.6
11664	M1O	04-029/22:15:49.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:23.7
11665	M1O	04-029/22:15:50.2		Deletes the designated file.: d:/dat/253_doy029_pass03_file12.dat	FILE_DELETE	04-029/22:04:24.7
11666	M1O	04-029/22:15:51.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:25.8
11667	M1O	04-029/22:15:52.3		Deletes the designated file.: d:/dat/253_doy029_pass03_file13.dat	FILE_DELETE	04-029/22:04:26.8
11668	M1O	04-029/22:15:53.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:27.9
11669	M1O	04-029/22:15:54.4		Deletes the designated file.: d:/dat/253_doy029_pass03_file14.dat	FILE_DELETE	04-029/22:04:28.9
11670	M1O	04-029/22:15:55.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:30.0
11671	M1O	04-029/22:15:56.5		Deletes the designated file.: d:/dat/253_doy029_pass03_file15.dat	FILE_DELETE	04-029/22:04:31.0
11672	M1O	04-029/22:15:57.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:32.1
11673	M1O	04-029/22:15:58.6		Deletes the designated file.: d:/dat/253_doy029_pass03_file16.dat	FILE_DELETE	04-029/22:04:33.1
11674	M1O	04-029/22:15:59.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:34.2
11675	M1O	04-029/22:16:00.7		Deletes the designated file.: d:/dat/253_doy029_pass03_file17.dat	FILE_DELETE	04-029/22:04:35.2
11676	M1O	04-029/22:16:01.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:36.3
11677	M1O	04-029/22:16:02.8		Deletes the designated file.: d:/dat/253_doy029_pass03_file18.dat	FILE_DELETE	04-029/22:04:37.3
11678	M1O	04-029/22:16:03.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy029_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/22:04:38.4
11679	M1O	04-029/22:16:04.9		Deletes the designated file.: d:/dat/253_doy029_pass03_file19.dat	FILE_DELETE	04-029/22:04:39.4
11680	M1O	04-029/22:16:05.9		CALL, Engine = , Parameters = 253	get_apid	04-029/22:04:40.4
11681	M1O	04-029/22:16:07.0		CALL, Engine = , Parameters = 253	get_rcv_mode	04-029/22:04:41.5
11682	M1O	04-029/22:16:07.2		CALL, Engine = , Parameters = 253	get_dl_rate	04-029/22:04:41.7
11683	M1O	04-029/22:16:08.3		CALL, Engine = , Parameters = 253, TRUE	get_modulatn	04-029/22:04:42.8
11684	M1O	04-029/22:16:09.6		CALL, Engine = , Parameters = 253	get_coding	04-029/22:04:44.1
11685	M1O	04-029/22:16:10.8		CALL, Engine = , Parameters = 253	get_xmt_mode	04-029/22:04:45.3
11686	M1O	04-029/22:16:12.0		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-029/22:04:46.5
11687	M1O	04-029/22:17:16.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-029/22:05:51.3
11688	M1O	04-029/22:17:17.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-029/22:05:52.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11689	M1O	04-029/22:17:18.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-029/22:05:53.3
11690	M1O	04-029/22:17:19.8		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-029/22:05:54.3
11691	M1O	04-029/22:17:20.8		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-029/22:05:55.3
11692	M1O	04-029/22:17:21.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-029/22:05:56.3
11693	M1O	04-029/22:17:22.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-029/22:05:57.3
11694	M1O	04-029/22:17:23.8		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-029/22:05:58.3
11695	M1O	04-029/22:17:24.8		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-029/22:05:59.3
11696	M1O	04-029/22:19:12.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/22:07:47.3
11697	M1O	04-029/22:19:12.8	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11698	M1O	04-029/22:19:18.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/22:07:52.5
11699	M1O	04-029/22:19:22.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-029/22:07:57.3
11700	M1O	04-029/22:25:14.7		NOTE: Enter Solar Eclipse 9431		04-029/22:13:49.1
11701	M1O	04-029/22:26:40.5		NOTE: Ascending Node Crossing 9431		04-029/22:15:14.9
11702	M1O	04-029/22:35:44.9		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-029/22:24:19.3
11703	M1O	04-029/22:35:45.9		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-029/22:24:20.3
11704	M1O	04-029/22:35:47.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-029/22:24:22.3
11705	M1O	04-029/22:35:49.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-029/22:24:23.4
11706	M1O	04-029/22:35:59.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-029/22:24:33.4
11707	M1O	04-029/22:36:00.0		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	04-029/22:24:34.4
11708	M1O	04-029/22:36:01.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-029/22:24:35.4
11709	M1O	04-029/22:36:01.0	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11710	M1O	04-029/22:36:02.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-029/22:24:36.4
11711	M1O	04-029/22:40:42.1		NOTE: Exit Solar Eclipse 9431		04-029/22:29:16.5
11712	M1O	04-029/22:41:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-029/22:29:35.0
11713	M1O	04-029/22:41:00.6	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11714	M1O	04-029/22:54:46.8		NOTE: Apoapsis 9431 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11727	M1O	04-029/23:19:54.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:28.8
11728	M1O	04-029/23:19:55.5		Deletes the designated file.: d:/dat/254_doy029_pass04_file03.dat	FILE_DELETE	04-029/23:08:29.8
11729	M1O	04-029/23:19:56.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:30.9
11730	M1O	04-029/23:19:57.6		Deletes the designated file.: d:/dat/254_doy029_pass04_file04.dat	FILE_DELETE	04-029/23:08:31.9
11731	M1O	04-029/23:19:58.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:33.0
11732	M1O	04-029/23:19:59.7		Deletes the designated file.: d:/dat/254_doy029_pass04_file05.dat	FILE_DELETE	04-029/23:08:34.0
11733	M1O	04-029/23:20:00.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:35.1
11734	M1O	04-029/23:20:01.8		Deletes the designated file.: d:/dat/254_doy029_pass04_file06.dat	FILE_DELETE	04-029/23:08:36.1
11735	M1O	04-029/23:20:02.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:37.2
11736	M1O	04-029/23:20:03.9		Deletes the designated file.: d:/dat/254_doy029_pass04_file07.dat	FILE_DELETE	04-029/23:08:38.2
11737	M1O	04-029/23:20:05.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:39.3
11738	M1O	04-029/23:20:06.0		Deletes the designated file.: d:/dat/254_doy029_pass04_file08.dat	FILE_DELETE	04-029/23:08:40.3
11739	M1O	04-029/23:20:07.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:41.4
11740	M1O	04-029/23:20:08.1		Deletes the designated file.: d:/dat/254_doy029_pass04_file09.dat	FILE_DELETE	04-029/23:08:42.4
11741	M1O	04-029/23:20:09.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:43.5
11742	M1O	04-029/23:20:10.2		Deletes the designated file.: d:/dat/254_doy029_pass04_file10.dat	FILE_DELETE	04-029/23:08:44.5
11743	M1O	04-029/23:20:11.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:45.6
11744	M1O	04-029/23:20:12.3		Deletes the designated file.: d:/dat/254_doy029_pass04_file11.dat	FILE_DELETE	04-029/23:08:46.6
11745	M1O	04-029/23:20:13.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:47.7
11746	M1O	04-029/23:20:14.4		Deletes the designated file.: d:/dat/254_doy029_pass04_file12.dat	FILE_DELETE	04-029/23:08:48.7
11747	M1O	04-029/23:20:15.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:49.8
11748	M1O	04-029/23:20:16.5		Deletes the designated file.: d:/dat/254_doy029_pass04_file13.dat	FILE_DELETE	04-029/23:08:50.8
11749	M1O	04-029/23:20:17.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:51.9
11750	M1O	04-029/23:20:18.6		Deletes the designated file.: d:/dat/254_doy029_pass04_file14.dat	FILE_DELETE	04-029/23:08:52.9
11751	M1O	04-029/23:20:19.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:54.0
11752	M1O	04-029/23:20:20.7		Deletes the designated file.: d:/dat/254_doy029_pass04_file15.dat	FILE_DELETE	04-029/23:08:55.0
11753	M1O	04-029/23:20:21.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:56.1
11754	M1O	04-029/23:20:22.8		Deletes the designated file.: d:/dat/254_doy029_pass04_file16.dat	FILE_DELETE	04-029/23:08:57.1
11755	M1O	04-029/23:20:23.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:08:58.2
11756	M1O	04-029/23:20:24.9		Deletes the designated file.: d:/dat/254_doy029_pass04_file17.dat	FILE_DELETE	04-029/23:08:59.2
11757	M1O	04-029/23:20:26.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:09:00.3
11758	M1O	04-029/23:20:27.0		Deletes the designated file.: d:/dat/254_doy029_pass04_file18.dat	FILE_DELETE	04-029/23:09:01.3
11759	M1O	04-029/23:20:28.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy029_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-029/23:09:02.4
11760	M1O	04-029/23:20:29.1		Deletes the designated file.: d:/dat/254_doy029_pass04_file19.dat	FILE_DELETE	04-029/23:09:03.4
11761	M1O	04-029/23:20:30.1		CALL, Engine = , Parameters = 254	get_apid	04-029/23:09:04.4
11762	M1O	04-029/23:20:31.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-029/23:09:05.5
11763	M1O	04-029/23:20:31.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-029/23:09:05.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11764	M1O	04-029/23:20:32.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-029/23:09:06.8
11765	M1O	04-029/23:20:33.8		CALL, Engine = , Parameters = 254	get_coding	04-029/23:09:08.1
11766	M1O	04-029/23:20:35.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-029/23:09:09.3
11767	M1O	04-029/23:20:36.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-029/23:09:10.5
11768	M1O	04-029/23:21:41.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-029/23:10:15.3
11769	M1O	04-029/23:21:42.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-029/23:10:16.3
11770	M1O	04-029/23:21:43.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-029/23:10:17.3
11771	M1O	04-029/23:21:44.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-029/23:10:18.3
11772	M1O	04-029/23:21:45.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-029/23:10:19.3
11773	M1O	04-029/23:21:46.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-029/23:10:20.3
11774	M1O	04-029/23:21:47.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-029/23:10:21.3
11775	M1O	04-029/23:23:37.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/23:12:11.3
11776	M1O	04-029/23:23:37.0	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11777	M1O	04-029/23:23:42.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-029/23:12:16.5
11778	M1O	04-029/23:23:47.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-029/23:12:21.3
11779	M1O	04-029/23:26:37.7		NOTE: Descending Node Crossing 9432		04-029/23:15:12.0
11780	M1O	04-029/23:40:18.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-029/23:28:52.3
11781	M1O	04-029/23:40:19.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-029/23:28:53.4
11782	M1O	04-029/23:40:29.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-029/23:29:03.4
11783	M1O	04-029/23:40:30.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-029/23:29:04.4
11784	M1O	04-029/23:40:31.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-029/23:29:05.4
11785	M1O	04-029/23:40:31.2	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11786	M1O	04-029/23:40:32.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-029/23:29:06.4
11787	M1O	04-029/23:45:30.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-029/23:34:05.0
11788	M1O	04-029/23:45:30.8	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11789	M1O	04-029/23:54:52.8		NOTE: Periapsis 9432 ----------		04-029/23:43:26.9
11790	M1O	04-029/23:55:56.2		NOTE: South Pole Crossing 9432		04-029/23:44:30.3
11791	M1O	04-030/00:00:00.0		Light Time: OWLT = 11:25, RTLT = 22:51		
11792	M1O	04-030/00:14:38.9		SPAWN, Engine = 65535, Parameters = 030, 01, FALSE, 00:14:31.789, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-030/00:03:13.0
11793	M1O	04-030/00:14:40.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-030/00:03:14.1
11794	M1O	04-030/00:14:42.0		CALL, Engine = , Parameters = 253	get_cmd_opt	04-030/00:03:16.1
11795	M1O	04-030/00:15:24.2		CALL, Engine = , Parameters = 253	get_apid	04-030/00:03:58.3
11796	M1O	04-030/00:15:25.3		CALL, Engine = , Parameters = 253	get_rcv_mode	04-030/00:03:59.4
11797	M1O	04-030/00:15:25.5		CALL, Engine = , Parameters = 253	get_dl_rate	04-030/00:03:59.6
11798	M1O	04-030/00:15:26.6		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-030/00:04:00.7
11799	M1O	04-030/00:15:27.9		CALL, Engine = , Parameters = 253	get_coding	04-030/00:04:02.0
11800	M1O	04-030/00:15:29.1		CALL, Engine = , Parameters = 253	get_xmt_mode	04-030/00:04:03.2
11801	M1O	04-030/00:15:30.3		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-030/00:04:04.4
11802	M1O	04-030/00:16:35.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-030/00:05:09.2
11803	M1O	04-030/00:16:36.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-030/00:05:10.2
11804	M1O	04-030/00:16:37.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-030/00:05:11.2
11805	M1O	04-030/00:16:38.1		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-030/00:05:12.2
11806	M1O	04-030/00:16:39.1		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-030/00:05:13.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11807	M1O	04-030/00:16:40.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-030/00:05:14.2
11808	M1O	04-030/00:16:41.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-030/00:05:15.2
11809	M1O	04-030/00:23:49.7		NOTE: Enter Solar Eclipse 9432		04-030/00:12:23.8
11810	M1O	04-030/00:25:17.3		NOTE: Ascending Node Crossing 9432		04-030/00:13:51.4
11811	M1O	04-030/00:31:08.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-030/00:19:42.9
11812	M1O	04-030/00:31:10.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-030/00:19:44.0
11813	M1O	04-030/00:31:20.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-030/00:19:54.0
11814	M1O	04-030/00:31:21.0		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	04-030/00:19:55.0
11815	M1O	04-030/00:39:19.2		NOTE: Exit Solar Eclipse 9432		04-030/00:27:53.2
11816	M1O	04-030/00:53:53.3		NOTE: Apoapsis 9432 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11847	M1O	04-030/01:49:48.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-030/01:38:22.1
11848	M1O	04-030/01:49:48.3		NOTE: START HGA PARK		
11849	M1O	04-030/01:49:48.3	25	NOTE: Loss Of X-Band Signal		
11850	M1O	04-030/01:49:49.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-030/01:38:23.1
11851	M1O	04-030/01:49:50.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-030/01:38:24.1
11852	M1O	04-030/01:53:47.7		NOTE: Periapsis 9433 ----------		04-030/01:42:21.5
11853	M1O	04-030/01:54:20.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-030/01:42:54.1
11854	M1O	04-030/01:54:32.4		NOTE: South Pole Crossing 9433		04-030/01:43:06.1
11855	M1O	04-030/01:57:50.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-030/01:46:24.1
11856	M1O	04-030/01:57:50.3		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-030/01:46:24.1
11857	M1O	04-030/02:22:22.3		NOTE: Enter Solar Eclipse 9433		04-030/02:10:56.0
11858	M1O	04-030/02:22:33.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11859	M1O	04-030/02:23:52.6		NOTE: Ascending Node Crossing 9433		04-030/02:12:26.2
11860	M1O	04-030/02:27:33.0	25	Range Modulation On: SUP=3.0dB		
11861	M1O	04-030/02:27:50.3		GV: GV_DESAT_ACTIVE = 1		04-030/02:16:24.0
11862	M1O	04-030/02:27:51.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-030/02:16:25.0
11863	M1O	04-030/02:27:51.3		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-030/02:16:25.0
11864	M1O	04-030/02:28:33.0	25	Begin Ranging Acquisition		
11865	M1O	04-030/02:37:50.3		GV: GV_DESAT_ACTIVE = 0		04-030/02:26:24.0
11866	M1O	04-030/02:37:51.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-030/02:26:25.0
11867	M1O	04-030/02:37:52.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-030/02:26:26.0
11868	M1O	04-030/02:37:53.3		CALL, Engine = , Parameters =	unpark_hga	04-030/02:26:27.0
11869	M1O	04-030/02:37:53.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-030/02:26:27.0
11870	M1O	04-030/02:37:54.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-030/02:26:28.0
11871	M1O	04-030/02:37:56.3		NOTE: Exit Solar Eclipse 9433		04-030/02:26:29.9
11872	M1O	04-030/02:42:24.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-030/02:30:58.0
11873	M1O	04-030/02:42:25.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-030/02:30:59.0
11874	M1O	04-030/02:45:00.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-030/02:33:33.7
11875	M1O	04-030/02:45:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/02:33:33.8
11876	M1O	04-030/02:45:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-030/02:33:34.8
11877	M1O	04-030/02:45:02.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-030/02:33:35.8
11878	M1O	04-030/02:45:03.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-030/02:33:36.8
11879	M1O	04-030/02:45:04.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-030/02:33:37.8
11880	M1O	04-030/02:45:14.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-030/02:33:47.8
11881	M1O	04-030/02:45:24.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-030/02:33:57.8
11882	M1O	04-030/02:46:25.3		NOTE: EXIT HGA PARK		
11883	M1O	04-030/02:46:25.3	25	Acquisition Of X-Band Signal		
11884	M1O	04-030/02:46:25.3	25	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11885	M1O	04-030/02:50:24.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-030/02:38:57.8
11886	M1O	04-030/02:50:25.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-030/02:38:58.8
11887	M1O	04-030/02:50:25.3	25	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
11888	M1O	04-030/02:50:25.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/02:38:59.3
11889	M1O	04-030/02:50:25.7	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11890	M1O	04-030/02:50:26.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-030/02:38:59.8
11891	M1O	04-030/02:51:26.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-030/02:40:00.0
11892	M1O	04-030/02:51:26.4	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11893	M1O	04-030/02:52:39.0		NOTE: Apoapsis 9433 -		04-030/02:41:12.6
11894	M1O	04-030/02:53:52.3		NOTE: North Pole Crossing 9433		04-030/02:42:25.9
11895	M1O	04-030/02:57:25.1		NOTE: Enter Planetary Atmosphere 9433		04-030/02:45:58.7
11896	M1O	04-030/03:05:18.7		NOTE: Exit Planetary Atmosphere 9433		04-030/02:53:52.2
11897	M1O	04-030/03:12:05.4		SPAWN, Engine = 65535, Parameters = 030, 01, FALSE, 00:12:49.450, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-030/03:00:39.0
11898	M1O	04-030/03:12:06.5		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	04-030/03:00:40.1
11899	M1O	04-030/03:12:08.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-030/03:00:42.1
11900	M1O	04-030/03:12:50.7		CALL, Engine = , Parameters = 56	get_apid	04-030/03:01:24.3
11901	M1O	04-030/03:12:51.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-030/03:01:25.4
11902	M1O	04-030/03:12:52.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-030/03:01:25.6
11903	M1O	04-030/03:12:53.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-030/03:01:26.7
11904	M1O	04-030/03:12:54.3		CALL, Engine = , Parameters = 56	get_coding	04-030/03:01:27.9
11905	M1O	04-030/03:12:55.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-030/03:01:29.1
11906	M1O	04-030/03:12:56.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-030/03:01:30.3
11907	M1O	04-030/03:14:01.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-030/03:02:35.1
11908	M1O	04-030/03:14:02.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-030/03:02:36.1
11909	M1O	04-030/03:14:03.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-030/03:02:37.1
11910	M1O	04-030/03:14:04.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-030/03:02:38.1
11911	M1O	04-030/03:14:05.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-030/03:02:39.1
11912	M1O	04-030/03:14:06.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-030/03:02:40.1
11913	M1O	04-030/03:14:07.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-030/03:02:41.1
11914	M1O	04-030/03:23:49.5		NOTE: Descending Node Crossing 9434		04-030/03:12:23.0
11915	M1O	04-030/03:26:53.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-030/03:15:26.5
11916	M1O	04-030/03:26:54.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-030/03:15:27.6
11917	M1O	04-030/03:27:04.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-030/03:15:37.6
11918	M1O	04-030/03:27:05.1		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	04-030/03:15:38.6
11919	M1O	04-030/03:52:18.2		NOTE: Periapsis 9434 ----------		04-030/03:40:51.6
11920	M1O	04-030/03:53:06.3		NOTE: South Pole Crossing 9434		04-030/03:41:39.7
11921	M1O	04-030/04:20:53.4		NOTE: Enter Solar Eclipse 9434		04-030/04:09:26.7
11922	M1O	04-030/04:22:25.4		NOTE: Ascending Node Crossing 9434		04-030/04:10:58.6
11923	M1O	04-030/04:36:31.3		NOTE: Exit Solar Eclipse 9434		04-030/04:25:04.5
11924	M1O	04-030/04:50:54.3		NOTE: Apoapsis 9434 -		04-030/04:39:27.5
11925	M1O	04-030/04:52:24.9		NOTE: North Pole Crossing 9434		04-030/04:40:58.0
11926	M1O	04-030/04:55:48.2		NOTE: Enter Planetary Atmosphere 9434		04-030/04:44:21.4
11927	M1O	04-030/05:03:59.2		NOTE: Exit Planetary Atmosphere 9434		04-030/04:52:32.4
11928	M1O	04-030/05:06:31.8		SPAWN, Engine = 65535, Parameters = 030, 02, FALSE, 00:19:01.070, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-030/04:55:05.0
11929	M1O	04-030/05:06:32.9		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	04-030/04:55:06.1
11930	M1O	04-030/05:06:34.9		CALL, Engine = , Parameters = 56	get_cmd_opt	04-030/04:55:08.1
11931	M1O	04-030/05:07:17.1		CALL, Engine = , Parameters = 56	get_apid	04-030/04:55:50.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11932	M1O	04-030/05:07:18.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-030/04:55:51.4
11933	M1O	04-030/05:07:18.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-030/04:55:51.6
11934	M1O	04-030/05:07:19.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-030/04:55:52.7
11935	M1O	04-030/05:07:20.7		CALL, Engine = , Parameters = 56	get_coding	04-030/04:55:53.9
11936	M1O	04-030/05:07:21.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-030/04:55:55.1
11937	M1O	04-030/05:07:23.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-030/04:55:56.3
11938	M1O	04-030/05:08:27.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-030/04:57:01.1
11939	M1O	04-030/05:08:28.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-030/04:57:02.1
11940	M1O	04-030/05:08:29.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-030/04:57:03.1
11941	M1O	04-030/05:08:30.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-030/04:57:04.1
11942	M1O	04-030/05:08:31.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-030/04:57:05.1
11943	M1O	04-030/05:08:32.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-030/04:57:06.1
11944	M1O	04-030/05:08:33.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-030/04:57:07.1
11945	M1O	04-030/05:22:21.4		NOTE: Descending Node Crossing 9435		04-030/05:10:54.5
11946	M1O	04-030/05:27:31.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-030/05:16:04.1
11947	M1O	04-030/05:27:32.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-030/05:16:05.2
11948	M1O	04-030/05:27:42.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-030/05:16:15.2
11949	M1O	04-030/05:27:43.1		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	04-030/05:16:16.2
11950	M1O	04-030/05:50:29.4		NOTE: Periapsis 9435 ----------		04-030/05:39:02.4
11951	M1O	04-030/05:51:37.5		NOTE: South Pole Crossing 9435		04-030/05:40:10.5
11952	M1O	04-030/05:55:00.0	43	Begin Pre-Cal		
11953	M1O	04-030/05:55:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
11954	M1O	04-030/05:55:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
11955	M1O	04-030/05:55:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
11956	M1O	04-030/05:55:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11957	M1O	04-030/05:55:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
11958	M1O	04-030/05:55:00.0	43	Config: RCV: Parms:		
11959	M1O	04-030/05:55:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
11960	M1O	04-030/05:55:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
11961	M1O	04-030/05:55:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
11962	M1O	04-030/06:05:00.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
11963	M1O	04-030/06:15:00.0	25	Range Modulation Off		
11964	M1O	04-030/06:19:26.1		NOTE: Enter Solar Eclipse 9435		04-030/06:07:59.0
11965	M1O	04-030/06:20:00.0	25	X-Band Transmitter Off		
11966	M1O	04-030/06:20:56.7		NOTE: Ascending Node Crossing 9435		04-030/06:09:29.6
11967	M1O	04-030/06:22:05.7	25	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
11968	M1O	04-030/06:23:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-030/06:12:30.9
11969	M1O	04-030/06:24:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/06:12:33.0
11970	M1O	04-030/06:24:00.1	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11971	M1O	04-030/06:24:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-030/06:12:34.0
11972	M1O	04-030/06:24:54.0		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-030/06:13:26.9
11973	M1O	04-030/06:24:54.0	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11974	M1O	04-030/06:25:00.0	43	Begin Tracking		
11975	M1O	04-030/06:25:00.0	43	Acquire D/L: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11976	M1O	04-030/06:25:00.0		NOTE: Changing to 70M downlink rate: 110600_BPS		04-030/06:13:32.9
11977	M1O	04-030/06:25:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data	DOWNLINK_RATE	04-030/06:13:32.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				is clocked out of the C&DH.: 110600_BPS		
11978	M1O	04-030/06:25:00.0	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11979	M1O	04-030/06:25:00.0	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		
11980	M1O	04-030/06:30:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-030/06:18:33.0
11981	M1O	04-030/06:30:00.1	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11982	M1O	04-030/06:30:00.1	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		
11983	M1O	04-030/06:30:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-030/06:18:34.0
11984	M1O	04-030/06:32:53.0	25	NOTE: Below Uplink Interlock Limit		
11985	M1O	04-030/06:35:02.0		NOTE: Exit Solar Eclipse 9435		04-030/06:23:34.9
11986	M1O	04-030/06:41:52.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-030/06:30:24.9
11987	M1O	04-030/06:41:54.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/06:30:27.0
11988	M1O	04-030/06:41:54.1	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11989	M1O	04-030/06:41:54.1	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		
11990	M1O	04-030/06:41:55.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-030/06:30:28.0
11991	M1O	04-030/06:42:54.1	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11992	M1O	04-030/06:42:54.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11993	M1O	04-030/06:45:00.0	25	End Tracking		
11994	M1O	04-030/06:47:54.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-030/06:36:27.0
11995	M1O	04-030/06:47:54.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11996	M1O	04-030/06:47:55.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-030/06:36:28.0
11997	M1O	04-030/06:49:10.2		NOTE: Apoapsis 9435 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12018	M1O	04-030/07:14:21.4		Creates a non-channelized telemetry packet for APID 7.: d:/tlm	FILE_DIR_DUMP	04-030/07:02:54.2
12019	M1O	04-030/07:14:31.4		Creates a non-channelized telemetry packet for APID 7.: d:/grs	FILE_DIR_DUMP	04-030/07:03:04.2
12020	M1O	04-030/07:14:41.4		Creates a non-channelized telemetry packet for APID 7.: d:/marie	FILE_DIR_DUMP	04-030/07:03:14.2
12021	M1O	04-030/07:14:51.4		Creates a non-channelized telemetry packet for APID 7.: d:/themis	FILE_DIR_DUMP	04-030/07:03:24.2
12022	M1O	04-030/07:15:01.4		Creates a non-channelized telemetry packet for APID 7.: d:/dat	FILE_DIR_DUMP	04-030/07:03:34.2
12023	M1O	04-030/07:15:11.4		Creates a non-channelized telemetry packet for APID 7.: c:/themis	FILE_DIR_DUMP	04-030/07:03:44.2
12024	M1O	04-030/07:15:21.4		Causes flight software to execute the VXWorks shells commands contained in the designated file.: d:/scr/dumpMsg_Q_Trace.scr	FSW_VX_SCRIPT	04-030/07:03:54.2
12025	M1O	04-030/07:15:32.4		NOTE: End Block fsw_diag.mod		04-030/07:04:05.2
12026	M1O	04-030/07:16:32.2		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-030/07:05:05.0
12027	M1O	04-030/07:16:32.4		NOTE: Start Block fsw_diag		04-030/07:05:05.2
12028	M1O	04-030/07:16:33.4		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-030/07:05:06.2
12029	M1O	04-030/07:16:34.4		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	04-030/07:05:07.2
12030	M1O	04-030/07:16:45.4		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	04-030/07:05:18.2
12031	M1O	04-030/07:17:15.4		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-030/07:05:48.2
12032	M1O	04-030/07:17:35.4		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-030/07:06:08.2
12033	M1O	04-030/07:17:45.4		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-030/07:06:18.2
12034	M1O	04-030/07:18:05.4		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-030/07:06:38.2
12035	M1O	04-030/07:18:15.4		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-030/07:06:48.2
12036	M1O	04-030/07:18:20.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-030/07:06:53.2
12037	M1O	04-030/07:18:25.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-030/07:06:58.2
12038	M1O	04-030/07:18:30.4		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-030/07:07:03.2
12039	M1O	04-030/07:18:35.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-030/07:07:08.2
12040	M1O	04-030/07:18:40.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-030/07:07:13.2
12041	M1O	04-030/07:19:20.4		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-030/07:07:53.2
12042	M1O	04-030/07:19:25.4		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-030/07:07:58.2
12043	M1O	04-030/07:19:30.4		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-030/07:08:03.2
12044	M1O	04-030/07:19:35.4		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-030/07:08:08.2
12045	M1O	04-030/07:19:40.4		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-030/07:08:13.2
12046	M1O	04-030/07:19:41.4		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-030/07:08:14.2
12047	M1O	04-030/07:19:42.4		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-030/07:08:15.2
12048	M1O	04-030/07:19:43.4		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-030/07:08:16.2
12049	M1O	04-030/07:19:54.4		NOTE: End Block fsw_diag.mod		04-030/07:08:27.2
12050	M1O	04-030/07:20:51.5		NOTE: Descending Node Crossing 9436		04-030/07:09:24.2
12051	M1O	04-030/07:48:49.4		NOTE: Periapsis 9436 ----------		04-030/07:37:22.1
12052	M1O	04-030/07:50:08.3		NOTE: South Pole Crossing 9436		04-030/07:38:40.9
12053	M1O	04-030/08:17:59.9		NOTE: Enter Solar Eclipse 9436		04-030/08:06:32.5
12054	M1O	04-030/08:19:28.6		NOTE: Ascending Node Crossing 9436		04-030/08:08:01.2
12055	M1O	04-030/08:33:28.2		NOTE: Exit Solar Eclipse 9436		04-030/08:22:00.7
12056	M1O	04-030/08:47:55.4		NOTE: Apoapsis 9436 -		04-030/08:36:27.9
12057	M1O	04-030/08:49:28.6		NOTE: North Pole Crossing 9436		04-030/08:38:01.1
12058	M1O	04-030/08:53:13.8		NOTE: Enter Planetary Atmosphere 9436		04-030/08:41:46.2
12059	M1O	04-030/09:00:41.7		NOTE: Exit Planetary Atmosphere 9436		04-030/08:49:14.1
12060	M1O	04-030/09:19:25.5		NOTE: Descending Node Crossing 9437		04-030/09:07:57.8
12061	M1O	04-030/09:47:32.5		NOTE: Periapsis 9437 ----------		04-030/09:36:04.8
12062	M1O	04-030/09:48:42.7		NOTE: South Pole Crossing 9437		04-030/09:37:14.9
12063	M1O	04-030/09:50:00.0	63	Begin Pre-Cal		
12064	M1O	04-030/09:50:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12065	M1O	04-030/09:50:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12066	M1O	04-030/09:50:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12067	M1O	04-030/09:50:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12068	M1O	04-030/09:50:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
12069	M1O	04-030/09:50:00.0	63	Config: RCV: Parms:		
12070	M1O	04-030/09:50:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12071	M1O	04-030/09:50:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
12072	M1O	04-030/09:50:00.0	63	Config: TXL		
12073	M1O	04-030/09:50:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12074	M1O	04-030/09:50:00.0	63	Config: CMD		
12075	M1O	04-030/09:50:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12076	M1O	04-030/10:03:52.8		SPAWN, Engine = 65535, Parameters = 030, 01, FALSE, 00:15:57.491, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-030/09:52:25.0
12077	M1O	04-030/10:03:53.9		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	04-030/09:52:26.1
12078	M1O	04-030/10:03:55.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-030/09:52:28.1
12079	M1O	04-030/10:04:38.1		CALL, Engine = , Parameters = 254	get_apid	04-030/09:53:10.3
12080	M1O	04-030/10:04:39.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-030/09:53:11.4
12081	M1O	04-030/10:04:39.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-030/09:53:11.6
12082	M1O	04-030/10:04:40.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-030/09:53:12.7
12083	M1O	04-030/10:04:41.8		CALL, Engine = , Parameters = 254	get_coding	04-030/09:53:14.0
12084	M1O	04-030/10:04:43.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-030/09:53:15.2
12085	M1O	04-030/10:04:44.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-030/09:53:16.4
12086	M1O	04-030/10:05:49.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-030/09:54:21.2
12087	M1O	04-030/10:05:50.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-030/09:54:22.2
12088	M1O	04-030/10:05:51.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-030/09:54:23.2
12089	M1O	04-030/10:05:52.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-030/09:54:24.2
12090	M1O	04-030/10:05:53.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-030/09:54:25.2
12091	M1O	04-030/10:05:54.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-030/09:54:26.2
12092	M1O	04-030/10:05:55.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-030/09:54:27.2
12093	M1O	04-030/10:16:34.3		NOTE: Enter Solar Eclipse 9437		04-030/10:05:06.4
12094	M1O	04-030/10:18:03.2		NOTE: Ascending Node Crossing 9437		04-030/10:06:35.3
12095	M1O	04-030/10:21:48.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-030/10:10:20.6
12096	M1O	04-030/10:21:49.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-030/10:10:21.7
12097	M1O	04-030/10:21:59.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-030/10:10:31.7
12098	M1O	04-030/10:22:00.6		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	04-030/10:10:32.7
12099	M1O	04-030/10:31:57.2		NOTE: Exit Solar Eclipse 9437		04-030/10:20:29.3
12100	M1O	04-030/10:46:36.9		NOTE: Apoapsis 9437 -		04-030/10:35:08.9
12101	M1O	04-030/10:48:04.3		NOTE: North Pole Crossing 9437		04-030/10:36:36.4
12102	M1O	04-030/10:52:10.2		NOTE: Enter Planetary Atmosphere 9437		04-030/10:40:42.3
12103	M1O	04-030/10:58:59.4		NOTE: Exit Planetary Atmosphere 9437		04-030/10:47:31.4
12104	M1O	04-030/11:00:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12105	M1O	04-030/11:05:00.0	43	Range Modulation On: SUP=3.0dB		
12106	M1O	04-030/11:06:00.0	43	Begin Ranging Acquisition		
12107	M1O	04-030/11:06:53.0		SPAWN, Engine = 65535, Parameters = 030, 02, TRUE, 00:19:21, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-030/10:55:25.0
12108	M1O	04-030/11:06:54.1		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	04-030/10:55:26.1
12109	M1O	04-030/11:06:56.1		CALL, Engine = , Parameters = 253	get_cmd_opt	04-030/10:55:28.1
12110	M1O	04-030/11:06:56.4		CALL, Engine = , Parameters = 030, 02, 253	bld_autosw	04-030/10:55:28.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12111	M1O	04-030/11:06:57.5		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-030/10:55:29.5
12112	M1O	04-030/11:06:58.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:30.6
12113	M1O	04-030/11:06:59.6		Deletes the designated file.: d:/dat/253_doy030_pass02_file01.dat	FILE_DELETE	04-030/10:55:31.6
12114	M1O	04-030/11:07:00.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:32.7
12115	M1O	04-030/11:07:01.7		Deletes the designated file.: d:/dat/253_doy030_pass02_file02.dat	FILE_DELETE	04-030/10:55:33.7
12116	M1O	04-030/11:07:02.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:34.8
12117	M1O	04-030/11:07:03.8		Deletes the designated file.: d:/dat/253_doy030_pass02_file03.dat	FILE_DELETE	04-030/10:55:35.8
12118	M1O	04-030/11:07:04.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:36.9
12119	M1O	04-030/11:07:05.9		Deletes the designated file.: d:/dat/253_doy030_pass02_file04.dat	FILE_DELETE	04-030/10:55:37.9
12120	M1O	04-030/11:07:07.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:39.0
12121	M1O	04-030/11:07:08.0		Deletes the designated file.: d:/dat/253_doy030_pass02_file05.dat	FILE_DELETE	04-030/10:55:40.0
12122	M1O	04-030/11:07:09.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:41.1
12123	M1O	04-030/11:07:10.1		Deletes the designated file.: d:/dat/253_doy030_pass02_file06.dat	FILE_DELETE	04-030/10:55:42.1
12124	M1O	04-030/11:07:11.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:43.2
12125	M1O	04-030/11:07:12.2		Deletes the designated file.: d:/dat/253_doy030_pass02_file07.dat	FILE_DELETE	04-030/10:55:44.2
12126	M1O	04-030/11:07:13.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:45.3
12127	M1O	04-030/11:07:14.3		Deletes the designated file.: d:/dat/253_doy030_pass02_file08.dat	FILE_DELETE	04-030/10:55:46.3
12128	M1O	04-030/11:07:15.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:47.4
12129	M1O	04-030/11:07:16.4		Deletes the designated file.: d:/dat/253_doy030_pass02_file09.dat	FILE_DELETE	04-030/10:55:48.4
12130	M1O	04-030/11:07:17.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:49.5
12131	M1O	04-030/11:07:18.5		Deletes the designated file.: d:/dat/253_doy030_pass02_file10.dat	FILE_DELETE	04-030/10:55:50.5
12132	M1O	04-030/11:07:19.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:51.6
12133	M1O	04-030/11:07:20.6		Deletes the designated file.: d:/dat/253_doy030_pass02_file11.dat	FILE_DELETE	04-030/10:55:52.6
12134	M1O	04-030/11:07:21.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:53.7
12135	M1O	04-030/11:07:22.7		Deletes the designated file.: d:/dat/253_doy030_pass02_file12.dat	FILE_DELETE	04-030/10:55:54.7
12136	M1O	04-030/11:07:23.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:55.8
12137	M1O	04-030/11:07:24.8		Deletes the designated file.: d:/dat/253_doy030_pass02_file13.dat	FILE_DELETE	04-030/10:55:56.8
12138	M1O	04-030/11:07:25.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:55:57.9
12139	M1O	04-030/11:07:26.9		Deletes the designated file.: d:/dat/253_doy030_pass02_file14.dat	FILE_DELETE	04-030/10:55:58.9
12140	M1O	04-030/11:07:28.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:56:00.0
12141	M1O	04-030/11:07:29.0		Deletes the designated file.: d:/dat/253_doy030_pass02_file15.dat	FILE_DELETE	04-030/10:56:01.0
12142	M1O	04-030/11:07:30.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:56:02.1
12143	M1O	04-030/11:07:31.1		Deletes the designated file.: d:/dat/253_doy030_pass02_file16.dat	FILE_DELETE	04-030/10:56:03.1
12144	M1O	04-030/11:07:32.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:56:04.2
12145	M1O	04-030/11:07:33.2		Deletes the designated file.: d:/dat/253_doy030_pass02_file17.dat	FILE_DELETE	04-030/10:56:05.2
12146	M1O	04-030/11:07:34.3		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-030/10:56:06.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/253_doy030_pass02_file18.dat, d:/dat/autoswitch.dat		
12147	M1O	04-030/11:07:35.3		Deletes the designated file.: d:/dat/253_doy030_pass02_file18.dat	FILE_DELETE	04-030/10:56:07.3
12148	M1O	04-030/11:07:36.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/10:56:08.4
12149	M1O	04-030/11:07:37.4		Deletes the designated file.: d:/dat/253_doy030_pass02_file19.dat	FILE_DELETE	04-030/10:56:09.4
12150	M1O	04-030/11:07:38.4		CALL, Engine = , Parameters = 253	get_apid	04-030/10:56:10.4
12151	M1O	04-030/11:07:39.5		CALL, Engine = , Parameters = 253	get_rcv_mode	04-030/10:56:11.5
12152	M1O	04-030/11:07:39.7		CALL, Engine = , Parameters = 253	get_dl_rate	04-030/10:56:11.7
12153	M1O	04-030/11:07:40.8		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-030/10:56:12.8
12154	M1O	04-030/11:07:42.1		CALL, Engine = , Parameters = 253	get_coding	04-030/10:56:14.1
12155	M1O	04-030/11:07:43.3		CALL, Engine = , Parameters = 253	get_xmt_mode	04-030/10:56:15.3
12156	M1O	04-030/11:07:44.5		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-030/10:56:16.5
12157	M1O	04-030/11:08:49.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-030/10:57:21.3
12158	M1O	04-030/11:08:50.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-030/10:57:22.3
12159	M1O	04-030/11:08:51.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-030/10:57:23.3
12160	M1O	04-030/11:08:52.3		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-030/10:57:24.3
12161	M1O	04-030/11:08:53.3		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-030/10:57:25.3
12162	M1O	04-030/11:08:54.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-030/10:57:26.3
12163	M1O	04-030/11:08:55.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-030/10:57:27.3
12164	M1O	04-030/11:10:45.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/10:59:17.3
12165	M1O	04-030/11:10:45.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12166	M1O	04-030/11:10:50.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/10:59:22.5
12167	M1O	04-030/11:10:55.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-030/10:59:27.3
12168	M1O	04-030/11:15:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
12169	M1O	04-030/11:18:02.4		NOTE: Descending Node Crossing 9438		04-030/11:06:34.4
12170	M1O	04-030/11:21:52.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-030/11:10:24.9
12171	M1O	04-030/11:21:55.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/11:10:27.0
12172	M1O	04-030/11:21:56.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-030/11:10:28.0
12173	M1O	04-030/11:22:55.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12174	M1O	04-030/11:25:00.0	43	Range Modulation Off		
12175	M1O	04-030/11:27:55.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-030/11:16:27.0
12176	M1O	04-030/11:27:55.1	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12177	M1O	04-030/11:27:56.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/11:16:28.0
12178	M1O	04-030/11:27:56.0	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12179	M1O	04-030/11:27:56.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-030/11:16:28.0
12180	M1O	04-030/11:28:14.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-030/11:16:46.3
12181	M1O	04-030/11:28:15.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-030/11:16:47.4
12182	M1O	04-030/11:28:25.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-030/11:16:57.4
12183	M1O	04-030/11:28:26.4		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	04-030/11:16:58.4
12184	M1O	04-030/11:28:27.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-030/11:16:59.4
12185	M1O	04-030/11:28:27.4	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12186	M1O	04-030/11:28:28.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-030/11:17:00.4
12187	M1O	04-030/11:30:00.0	43	X-Band Transmitter Off		
12188	M1O	04-030/11:32:03.7	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
12189	M1O	04-030/11:33:27.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-030/11:21:59.0
12190	M1O	04-030/11:33:27.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12191	M1O	04-030/11:35:00.0	63	Begin Tracking		
12192	M1O	04-030/11:35:00.0	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		
12193	M1O	04-030/11:37:30.0	63	NOTE: Above Uplink Interlock Limit		
12194	M1O	04-030/11:40:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12195	M1O	04-030/11:44:41.0	43	NOTE: Below Uplink Interlock Limit		
12196	M1O	04-030/11:45:00.0	63	Range Modulation On: SUP=3.0dB		
12197	M1O	04-030/11:46:00.0	63	Begin Ranging Acquisition		
12198	M1O	04-030/11:46:13.5		NOTE: Periapsis 9438 ----------		04-030/11:34:45.4
12199	M1O	04-030/11:47:19.5		NOTE: South Pole Crossing 9438		04-030/11:35:51.4
12200	M1O	04-030/11:51:53.0		SPAWN, Engine = 65535, Parameters = 3, 00:15:58.852, 1	dpt	04-030/11:40:24.9
12201	M1O	04-030/11:51:55.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/11:40:27.0
12202	M1O	04-030/11:51:55.1	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12203	M1O	04-030/11:51:55.1	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		
12204	M1O	04-030/11:51:56.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-030/11:40:28.0
12205	M1O	04-030/11:52:56.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12206	M1O	04-030/11:52:56.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12207	M1O	04-030/11:55:00.0	43	End Tracking		
12208	M1O	04-030/12:00:32.1		SPAWN, Engine = 65535, Parameters = 030, 02, TRUE, 00:17:43, 254, TRUE, 128_KPS, 00:02:00, 00:00:00	uhf	04-030/11:49:04.0
12209	M1O	04-030/12:00:33.2		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	04-030/11:49:05.1
12210	M1O	04-030/12:00:35.2		CALL, Engine = , Parameters = 254	get_cmd_opt	04-030/11:49:07.1
12211	M1O	04-030/12:00:35.5		CALL, Engine = , Parameters = 030, 02, 254	bld_autosw	04-030/11:49:07.4
12212	M1O	04-030/12:00:36.6		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-030/11:49:08.5
12213	M1O	04-030/12:00:37.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:09.6
12214	M1O	04-030/12:00:38.7		Deletes the designated file.: d:/dat/254_doy030_pass02_file01.dat	FILE_DELETE	04-030/11:49:10.6
12215	M1O	04-030/12:00:39.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:11.7
12216	M1O	04-030/12:00:40.8		Deletes the designated file.: d:/dat/254_doy030_pass02_file02.dat	FILE_DELETE	04-030/11:49:12.7
12217	M1O	04-030/12:00:41.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:13.8
12218	M1O	04-030/12:00:42.9		Deletes the designated file.: d:/dat/254_doy030_pass02_file03.dat	FILE_DELETE	04-030/11:49:14.8
12219	M1O	04-030/12:00:44.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:15.9
12220	M1O	04-030/12:00:45.0		Deletes the designated file.: d:/dat/254_doy030_pass02_file04.dat	FILE_DELETE	04-030/11:49:16.9
12221	M1O	04-030/12:00:46.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:18.0
12222	M1O	04-030/12:00:47.1		Deletes the designated file.: d:/dat/254_doy030_pass02_file05.dat	FILE_DELETE	04-030/11:49:19.0
12223	M1O	04-030/12:00:48.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:20.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12224	M1O	04-030/12:00:49.2		Deletes the designated file.: d:/dat/254_doy030_pass02_file06.dat	FILE_DELETE	04-030/11:49:21.1
12225	M1O	04-030/12:00:50.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:22.2
12226	M1O	04-030/12:00:51.3		Deletes the designated file.: d:/dat/254_doy030_pass02_file07.dat	FILE_DELETE	04-030/11:49:23.2
12227	M1O	04-030/12:00:52.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:24.3
12228	M1O	04-030/12:00:53.4		Deletes the designated file.: d:/dat/254_doy030_pass02_file08.dat	FILE_DELETE	04-030/11:49:25.3
12229	M1O	04-030/12:00:54.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:26.4
12230	M1O	04-030/12:00:55.5		Deletes the designated file.: d:/dat/254_doy030_pass02_file09.dat	FILE_DELETE	04-030/11:49:27.4
12231	M1O	04-030/12:00:56.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:28.5
12232	M1O	04-030/12:00:57.6		Deletes the designated file.: d:/dat/254_doy030_pass02_file10.dat	FILE_DELETE	04-030/11:49:29.5
12233	M1O	04-030/12:00:58.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:30.6
12234	M1O	04-030/12:00:59.7		Deletes the designated file.: d:/dat/254_doy030_pass02_file11.dat	FILE_DELETE	04-030/11:49:31.6
12235	M1O	04-030/12:01:00.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:32.7
12236	M1O	04-030/12:01:01.8		Deletes the designated file.: d:/dat/254_doy030_pass02_file12.dat	FILE_DELETE	04-030/11:49:33.7
12237	M1O	04-030/12:01:02.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:34.8
12238	M1O	04-030/12:01:03.9		Deletes the designated file.: d:/dat/254_doy030_pass02_file13.dat	FILE_DELETE	04-030/11:49:35.8
12239	M1O	04-030/12:01:05.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:36.9
12240	M1O	04-030/12:01:06.0		Deletes the designated file.: d:/dat/254_doy030_pass02_file14.dat	FILE_DELETE	04-030/11:49:37.9
12241	M1O	04-030/12:01:07.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:39.0
12242	M1O	04-030/12:01:08.1		Deletes the designated file.: d:/dat/254_doy030_pass02_file15.dat	FILE_DELETE	04-030/11:49:40.0
12243	M1O	04-030/12:01:09.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:41.1
12244	M1O	04-030/12:01:10.2		Deletes the designated file.: d:/dat/254_doy030_pass02_file16.dat	FILE_DELETE	04-030/11:49:42.1
12245	M1O	04-030/12:01:11.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:43.2
12246	M1O	04-030/12:01:12.3		Deletes the designated file.: d:/dat/254_doy030_pass02_file17.dat	FILE_DELETE	04-030/11:49:44.2
12247	M1O	04-030/12:01:13.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:45.3
12248	M1O	04-030/12:01:14.4		Deletes the designated file.: d:/dat/254_doy030_pass02_file18.dat	FILE_DELETE	04-030/11:49:46.3
12249	M1O	04-030/12:01:15.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/11:49:47.4
12250	M1O	04-030/12:01:16.5		Deletes the designated file.: d:/dat/254_doy030_pass02_file19.dat	FILE_DELETE	04-030/11:49:48.4
12251	M1O	04-030/12:01:17.5		CALL, Engine = , Parameters = 254	get_apid	04-030/11:49:49.4
12252	M1O	04-030/12:01:18.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-030/11:49:50.5
12253	M1O	04-030/12:01:18.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-030/11:49:50.7
12254	M1O	04-030/12:01:19.9		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-030/11:49:51.8
12255	M1O	04-030/12:01:21.2		CALL, Engine = , Parameters = 254	get_coding	04-030/11:49:53.1
12256	M1O	04-030/12:01:22.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-030/11:49:54.3
12257	M1O	04-030/12:01:23.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-030/11:49:55.5
12258	M1O	04-030/12:02:28.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-030/11:51:00.3
12259	M1O	04-030/12:02:29.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-030/11:51:01.3
12260	M1O	04-030/12:02:30.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-030/11:51:02.3
12261	M1O	04-030/12:02:31.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-030/11:51:03.3
12262	M1O	04-030/12:02:32.4		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-030/11:51:04.3
12263	M1O	04-030/12:02:33.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-030/11:51:05.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12264	M1O	04-030/12:02:34.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-030/11:51:06.3
12265	M1O	04-030/12:02:35.4		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-030/11:51:07.3
12266	M1O	04-030/12:02:36.4		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-030/11:51:08.3
12267	M1O	04-030/12:02:56.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12268	M1O	04-030/12:04:24.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/11:52:56.3
12269	M1O	04-030/12:04:34.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-030/11:53:06.3
12270	M1O	04-030/12:07:54.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-030/11:56:25.8
12271	M1O	04-030/12:07:54.0	63	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12272	M1O	04-030/12:07:55.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/11:56:26.8
12273	M1O	04-030/12:07:55.0	63	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12274	M1O	04-030/12:07:55.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-030/11:56:26.8
12275	M1O	04-030/12:10:00.0	43	End Post-Cal		
12276	M1O	04-030/12:15:10.0		NOTE: Enter Solar Eclipse 9438		04-030/12:03:41.8
12277	M1O	04-030/12:16:39.6		NOTE: Ascending Node Crossing 9438		04-030/12:05:11.3
12278	M1O	04-030/12:20:12.5		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-030/12:08:44.3
12279	M1O	04-030/12:20:13.5		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-030/12:08:45.3
12280	M1O	04-030/12:20:15.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-030/12:08:47.3
12281	M1O	04-030/12:20:16.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-030/12:08:48.4
12282	M1O	04-030/12:20:26.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-030/12:08:58.4
12283	M1O	04-030/12:20:27.6		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	04-030/12:08:59.4
12284	M1O	04-030/12:20:28.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-030/12:09:00.4
12285	M1O	04-030/12:20:28.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12286	M1O	04-030/12:20:29.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-030/12:09:01.4
12287	M1O	04-030/12:25:28.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-030/12:14:00.0
12288	M1O	04-030/12:25:28.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12289	M1O	04-030/12:30:31.4		NOTE: Exit Solar Eclipse 9438		04-030/12:19:03.1
12290	M1O	04-030/12:45:03.3		NOTE: Apoapsis 9438 -		04-030/12:33:34.9
12291	M1O	04-030/12:46:40.8		NOTE: North Pole Crossing 9438		04-030/12:35:12.5
12292	M1O	04-030/12:50:50.3		NOTE: Enter Planetary Atmosphere 9438		04-030/12:39:22.0
12293	M1O	04-030/12:57:33.3		NOTE: Exit Planetary Atmosphere 9438		04-030/12:46:04.9
12294	M1O	04-030/13:16:38.9		NOTE: Descending Node Crossing 9439		04-030/13:05:10.5
12295	M1O	04-030/13:44:44.1		NOTE: Periapsis 9439 ----------		04-030/13:33:15.6
12296	M1O	04-030/13:45:56.1		NOTE: South Pole Crossing 9439		04-030/13:34:27.6
12297	M1O	04-030/14:13:47.1		NOTE: Enter Solar Eclipse 9439		04-030/14:02:18.5
12298	M1O	04-030/14:15:16.2		NOTE: Ascending Node Crossing 9439		04-030/14:03:47.6
12299	M1O	04-030/14:24:59.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
12300	M1O	04-030/14:29:09.5		NOTE: Exit Solar Eclipse 9439		04-030/14:17:40.8
12301	M1O	04-030/14:34:59.0	63	Range Modulation Off		
12302	M1O	04-030/14:39:59.0	63	X-Band Transmitter Off		
12303	M1O	04-030/14:43:18.3		NOTE: Apoapsis 9439 -		04-030/14:31:49.6
12304	M1O	04-030/14:45:16.6		NOTE: North Pole Crossing 9439		04-030/14:33:47.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12305	M1O	04-030/14:49:13.0		NOTE: Enter Planetary Atmosphere 9439		04-030/14:37:44.2
12306	M1O	04-030/14:56:20.6		NOTE: Exit Planetary Atmosphere 9439		04-030/14:44:51.9
12307	M1O	04-030/15:01:53.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-030/14:50:25.0
12308	M1O	04-030/15:01:55.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/14:50:27.1
12309	M1O	04-030/15:01:55.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12310	M1O	04-030/15:01:56.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-030/14:50:28.1
12311	M1O	04-030/15:02:56.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12312	M1O	04-030/15:07:55.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-030/14:56:27.1
12313	M1O	04-030/15:07:55.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12314	M1O	04-030/15:07:56.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-030/14:56:28.1
12315	M1O	04-030/15:15:13.5		NOTE: Descending Node Crossing 9440		04-030/15:03:44.7
12316	M1O	04-030/15:43:18.2		NOTE: Periapsis 9440 ----------		04-030/15:31:49.3
12317	M1O	04-030/15:44:30.7		NOTE: South Pole Crossing 9440		04-030/15:33:01.8
12318	M1O	04-030/16:07:18.9		SPAWN, Engine = 65535, Parameters = 030, 03, FALSE, 00:18:08.566, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-030/15:55:50.0
12319	M1O	04-030/16:07:20.0		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	04-030/15:55:51.1
12320	M1O	04-030/16:07:22.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-030/15:55:53.1
12321	M1O	04-030/16:08:04.2		CALL, Engine = , Parameters = 56	get_apid	04-030/15:56:35.3
12322	M1O	04-030/16:08:05.3		CALL, Engine = , Parameters = 56	get_rcv_mode	04-030/15:56:36.4
12323	M1O	04-030/16:08:05.5		CALL, Engine = , Parameters = 56	get_dl_rate	04-030/15:56:36.6
12324	M1O	04-030/16:08:06.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-030/15:56:37.7
12325	M1O	04-030/16:08:07.8		CALL, Engine = , Parameters = 56	get_coding	04-030/15:56:38.9
12326	M1O	04-030/16:08:09.0		CALL, Engine = , Parameters = 56	get_xmt_mode	04-030/15:56:40.1
12327	M1O	04-030/16:08:10.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-030/15:56:41.3
12328	M1O	04-030/16:09:15.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-030/15:57:46.1
12329	M1O	04-030/16:09:16.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-030/15:57:47.1
12330	M1O	04-030/16:09:17.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-030/15:57:48.1
12331	M1O	04-030/16:09:18.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-030/15:57:49.1
12332	M1O	04-030/16:09:19.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-030/15:57:50.1
12333	M1O	04-030/16:09:20.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-030/15:57:51.1
12334	M1O	04-030/16:09:21.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-030/15:57:52.1
12335	M1O	04-030/16:12:21.3		NOTE: Enter Solar Eclipse 9440		04-030/16:00:52.3
12336	M1O	04-030/16:13:50.7		NOTE: Ascending Node Crossing 9440		04-030/16:02:21.8
12337	M1O	04-030/16:27:25.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-030/16:15:56.6
12338	M1O	04-030/16:27:26.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-030/16:15:57.7
12339	M1O	04-030/16:27:36.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-030/16:16:07.7
12340	M1O	04-030/16:27:37.7		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	04-030/16:16:08.7
12341	M1O	04-030/16:27:47.6		NOTE: Exit Solar Eclipse 9440		04-030/16:16:18.6
12342	M1O	04-030/16:41:52.2		NOTE: Apoapsis 9440 -		04-030/16:30:23.2
12343	M1O	04-030/16:43:49.9		NOTE: North Pole Crossing 9440		04-030/16:32:20.9
12344	M1O	04-030/16:47:31.2		NOTE: Enter Planetary Atmosphere 9440		04-030/16:36:02.2
12345	M1O	04-030/16:55:05.3		NOTE: Exit Planetary Atmosphere 9440		04-030/16:43:36.2
12346	M1O	04-030/17:13:45.8		NOTE: Descending Node Crossing 9441		04-030/17:02:16.6
12347	M1O	04-030/17:41:50.7		NOTE: Periapsis 9441 ----------		04-030/17:30:21.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12348	M1O	04-030/17:43:02.3		NOTE: South Pole Crossing 9441		04-030/17:31:33.0
12349	M1O	04-030/18:05:47.3		SPAWN, Engine = 65535, Parameters = 030, 04, FALSE, 00:16:00.895, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-030/17:54:18.0
12350	M1O	04-030/18:05:48.4		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	04-030/17:54:19.1
12351	M1O	04-030/18:05:50.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-030/17:54:21.1
12352	M1O	04-030/18:06:32.6		CALL, Engine = , Parameters = 56	get_apid	04-030/17:55:03.3
12353	M1O	04-030/18:06:33.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-030/17:55:04.4
12354	M1O	04-030/18:06:33.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-030/17:55:04.6
12355	M1O	04-030/18:06:35.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-030/17:55:05.7
12356	M1O	04-030/18:06:36.2		CALL, Engine = , Parameters = 56	get_coding	04-030/17:55:06.9
12357	M1O	04-030/18:06:37.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-030/17:55:08.1
12358	M1O	04-030/18:06:38.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-030/17:55:09.3
12359	M1O	04-030/18:07:43.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-030/17:56:14.1
12360	M1O	04-030/18:07:44.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-030/17:56:15.1
12361	M1O	04-030/18:07:45.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-030/17:56:16.1
12362	M1O	04-030/18:07:46.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-030/17:56:17.1
12363	M1O	04-030/18:07:47.4		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-030/17:56:18.1
12364	M1O	04-030/18:07:48.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-030/17:56:19.1
12365	M1O	04-030/18:07:49.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-030/17:56:20.1
12366	M1O	04-030/18:10:52.0		NOTE: Enter Solar Eclipse 9441		04-030/17:59:22.6
12367	M1O	04-030/18:12:21.9		NOTE: Ascending Node Crossing 9441		04-030/18:00:52.6
12368	M1O	04-030/18:15:00.0	26	Begin Pre-Cal		
12369	M1O	04-030/18:15:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12370	M1O	04-030/18:15:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12371	M1O	04-030/18:15:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12372	M1O	04-030/18:15:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12373	M1O	04-030/18:15:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
12374	M1O	04-030/18:15:00.0	26	Config: RCV: Parms:		
12375	M1O	04-030/18:15:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12376	M1O	04-030/18:15:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
12377	M1O	04-030/18:15:00.0	26	Config: TXL		
12378	M1O	04-030/18:15:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12379	M1O	04-030/18:15:00.0	26	Config: CMD		
12380	M1O	04-030/18:15:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12381	M1O	04-030/18:23:46.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-030/18:12:16.9
12382	M1O	04-030/18:23:47.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-030/18:12:18.0
12383	M1O	04-030/18:23:57.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-030/18:12:28.0
12384	M1O	04-030/18:23:58.4		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	04-030/18:12:29.0
12385	M1O	04-030/18:26:19.4		NOTE: Exit Solar Eclipse 9441		04-030/18:14:50.0
12386	M1O	04-030/18:40:29.6		NOTE: Apoapsis 9441 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12395	M1O	04-030/19:22:00.0	26	Begin Ranging Acquisition		
12396	M1O	04-030/19:37:56.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-030/19:26:27.2
12397	M1O	04-030/19:37:58.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/19:26:29.3
12398	M1O	04-030/19:37:58.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12399	M1O	04-030/19:37:58.9	26	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12400	M1O	04-030/19:37:59.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-030/19:26:30.3
12401	M1O	04-030/19:38:59.1	63	Acquire D/L: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12402	M1O	04-030/19:38:59.1	26	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12403	M1O	04-030/19:40:07.9		NOTE: Periapsis 9442 ----------		04-030/19:28:38.3
12404	M1O	04-030/19:41:32.8		NOTE: South Pole Crossing 9442		04-030/19:30:03.1
12405	M1O	04-030/19:43:58.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-030/19:32:29.3
12406	M1O	04-030/19:43:58.9	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		
12407	M1O	04-030/19:43:58.9	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12408	M1O	04-030/19:43:59.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-030/19:32:30.3
12409	M1O	04-030/20:09:24.5		NOTE: Enter Solar Eclipse 9442		04-030/19:57:54.7
12410	M1O	04-030/20:10:52.4		NOTE: Ascending Node Crossing 9442		04-030/19:59:22.6
12411	M1O	04-030/20:24:43.2		NOTE: Exit Solar Eclipse 9442		04-030/20:13:13.4
12412	M1O	04-030/20:38:49.4		NOTE: Apoapsis 9442 -		04-030/20:27:19.6
12413	M1O	04-030/20:40:52.9		NOTE: North Pole Crossing 9442		04-030/20:29:23.1
12414	M1O	04-030/20:44:54.2		NOTE: Enter Planetary Atmosphere 9442		04-030/20:33:24.3
12415	M1O	04-030/20:51:49.8		NOTE: Exit Planetary Atmosphere 9442		04-030/20:40:19.9
12416	M1O	04-030/21:10:49.7		NOTE: Descending Node Crossing 9443		04-030/20:59:19.8
12417	M1O	04-030/21:38:31.0		NOTE: Periapsis 9443 ----------		04-030/21:27:00.9
12418	M1O	04-030/21:40:06.6		NOTE: South Pole Crossing 9443		04-030/21:28:36.5
12419	M1O	04-030/22:02:29.0		SPAWN, Engine = 65535, Parameters = 030, 03, FALSE, 00:10:56.588, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-030/21:50:59.0
12420	M1O	04-030/22:02:30.1		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	04-030/21:51:00.1
12421	M1O	04-030/22:02:32.1		CALL, Engine = , Parameters = 253	get_cmd_opt	04-030/21:51:02.1
12422	M1O	04-030/22:03:14.4		CALL, Engine = , Parameters = 253	get_apid	04-030/21:51:44.3
12423	M1O	04-030/22:03:15.5		CALL, Engine = , Parameters = 253	get_rcv_mode	04-030/21:51:45.4
12424	M1O	04-030/22:03:15.7		CALL, Engine = , Parameters = 253	get_dl_rate	04-030/21:51:45.6
12425	M1O	04-030/22:03:16.8		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-030/21:51:46.7
12426	M1O	04-030/22:03:18.1		CALL, Engine = , Parameters = 253	get_coding	04-030/21:51:48.0
12427	M1O	04-030/22:03:19.3		CALL, Engine = , Parameters = 253	get_xmt_mode	04-030/21:51:49.2
12428	M1O	04-030/22:03:20.5		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-030/21:51:50.4
12429	M1O	04-030/22:04:25.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-030/21:52:55.2
12430	M1O	04-030/22:04:26.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-030/21:52:56.2
12431	M1O	04-030/22:04:27.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-030/21:52:57.2
12432	M1O	04-030/22:04:28.3		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-030/21:52:58.2
12433	M1O	04-030/22:04:29.3		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-030/21:52:59.2
12434	M1O	04-030/22:04:30.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-030/21:53:00.2
12435	M1O	04-030/22:04:31.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-030/21:53:01.2
12436	M1O	04-030/22:08:02.3		NOTE: Enter Solar Eclipse 9443		04-030/21:56:32.2
12437	M1O	04-030/22:09:27.4		NOTE: Ascending Node Crossing 9443		04-030/21:57:57.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12438	M1O	04-030/22:15:23.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-030/22:03:53.7
12439	M1O	04-030/22:15:25.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-030/22:03:54.8
12440	M1O	04-030/22:15:35.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-030/22:04:04.8
12441	M1O	04-030/22:15:36.0		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	04-030/22:04:05.8
12442	M1O	04-030/22:23:12.7		NOTE: Exit Solar Eclipse 9443		04-030/22:11:42.5
12443	M1O	04-030/22:37:20.6		NOTE: Apoapsis 9443 -		04-030/22:25:50.4
12444	M1O	04-030/22:39:28.0		NOTE: North Pole Crossing 9443		04-030/22:27:57.8
12445	M1O	04-030/22:43:45.7		NOTE: Enter Planetary Atmosphere 9443		04-030/22:32:15.5
12446	M1O	04-030/22:47:46.0	63	NOTE: Below Uplink Interlock Limit		
12447	M1O	04-030/22:50:09.7		NOTE: Exit Planetary Atmosphere 9443		04-030/22:38:39.5
12448	M1O	04-030/23:02:53.2		SPAWN, Engine = 65535, Parameters = 030, 03, TRUE, 00:18:52, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-030/22:51:23.0
12449	M1O	04-030/23:02:54.3		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	04-030/22:51:24.1
12450	M1O	04-030/23:02:56.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-030/22:51:26.1
12451	M1O	04-030/23:02:56.6		CALL, Engine = , Parameters = 030, 03, 254	bld_autosw	04-030/22:51:26.4
12452	M1O	04-030/23:02:57.7		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	04-030/22:51:27.5
12453	M1O	04-030/23:02:58.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:28.6
12454	M1O	04-030/23:02:59.8		Deletes the designated file.: d:/dat/254_doy030_pass03_file01.dat	FILE_DELETE	04-030/22:51:29.6
12455	M1O	04-030/23:03:00.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:30.7
12456	M1O	04-030/23:03:01.9		Deletes the designated file.: d:/dat/254_doy030_pass03_file02.dat	FILE_DELETE	04-030/22:51:31.7
12457	M1O	04-030/23:03:03.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:32.8
12458	M1O	04-030/23:03:04.0		Deletes the designated file.: d:/dat/254_doy030_pass03_file03.dat	FILE_DELETE	04-030/22:51:33.8
12459	M1O	04-030/23:03:05.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:34.9
12460	M1O	04-030/23:03:06.1		Deletes the designated file.: d:/dat/254_doy030_pass03_file04.dat	FILE_DELETE	04-030/22:51:35.9
12461	M1O	04-030/23:03:07.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:37.0
12462	M1O	04-030/23:03:08.2		Deletes the designated file.: d:/dat/254_doy030_pass03_file05.dat	FILE_DELETE	04-030/22:51:38.0
12463	M1O	04-030/23:03:09.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:39.1
12464	M1O	04-030/23:03:10.3		Deletes the designated file.: d:/dat/254_doy030_pass03_file06.dat	FILE_DELETE	04-030/22:51:40.1
12465	M1O	04-030/23:03:11.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:41.2
12466	M1O	04-030/23:03:12.4		Deletes the designated file.: d:/dat/254_doy030_pass03_file07.dat	FILE_DELETE	04-030/22:51:42.2
12467	M1O	04-030/23:03:13.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:43.3
12468	M1O	04-030/23:03:14.5		Deletes the designated file.: d:/dat/254_doy030_pass03_file08.dat	FILE_DELETE	04-030/22:51:44.3
12469	M1O	04-030/23:03:15.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:45.4
12470	M1O	04-030/23:03:16.6		Deletes the designated file.: d:/dat/254_doy030_pass03_file09.dat	FILE_DELETE	04-030/22:51:46.4
12471	M1O	04-030/23:03:17.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:47.5
12472	M1O	04-030/23:03:18.7		Deletes the designated file.: d:/dat/254_doy030_pass03_file10.dat	FILE_DELETE	04-030/22:51:48.5
12473	M1O	04-030/23:03:19.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:49.6
12474	M1O	04-030/23:03:20.8		Deletes the designated file.: d:/dat/254_doy030_pass03_file11.dat	FILE_DELETE	04-030/22:51:50.6
12475	M1O	04-030/23:03:21.9		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-030/22:51:51.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy030_pass03_file12.dat, d:/dat/autoswitch.dat		
12476	M1O	04-030/23:03:22.9		Deletes the designated file.: d:/dat/254_doy030_pass03_file12.dat	FILE_DELETE	04-030/22:51:52.7
12477	M1O	04-030/23:03:24.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:53.8
12478	M1O	04-030/23:03:25.0		Deletes the designated file.: d:/dat/254_doy030_pass03_file13.dat	FILE_DELETE	04-030/22:51:54.8
12479	M1O	04-030/23:03:26.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:55.9
12480	M1O	04-030/23:03:27.1		Deletes the designated file.: d:/dat/254_doy030_pass03_file14.dat	FILE_DELETE	04-030/22:51:56.9
12481	M1O	04-030/23:03:28.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:51:58.0
12482	M1O	04-030/23:03:29.2		Deletes the designated file.: d:/dat/254_doy030_pass03_file15.dat	FILE_DELETE	04-030/22:51:59.0
12483	M1O	04-030/23:03:30.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:52:00.1
12484	M1O	04-030/23:03:31.3		Deletes the designated file.: d:/dat/254_doy030_pass03_file16.dat	FILE_DELETE	04-030/22:52:01.1
12485	M1O	04-030/23:03:32.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:52:02.2
12486	M1O	04-030/23:03:33.4		Deletes the designated file.: d:/dat/254_doy030_pass03_file17.dat	FILE_DELETE	04-030/22:52:03.2
12487	M1O	04-030/23:03:34.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:52:04.3
12488	M1O	04-030/23:03:35.5		Deletes the designated file.: d:/dat/254_doy030_pass03_file18.dat	FILE_DELETE	04-030/22:52:05.3
12489	M1O	04-030/23:03:36.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy030_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/22:52:06.4
12490	M1O	04-030/23:03:37.6		Deletes the designated file.: d:/dat/254_doy030_pass03_file19.dat	FILE_DELETE	04-030/22:52:07.4
12491	M1O	04-030/23:03:38.6		CALL, Engine = , Parameters = 254	get_apid	04-030/22:52:08.4
12492	M1O	04-030/23:03:39.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-030/22:52:09.5
12493	M1O	04-030/23:03:39.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-030/22:52:09.7
12494	M1O	04-030/23:03:41.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-030/22:52:10.8
12495	M1O	04-030/23:03:42.3		CALL, Engine = , Parameters = 254	get_coding	04-030/22:52:12.1
12496	M1O	04-030/23:03:43.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-030/22:52:13.3
12497	M1O	04-030/23:03:44.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-030/22:52:14.5
12498	M1O	04-030/23:04:49.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-030/22:53:19.3
12499	M1O	04-030/23:04:50.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-030/22:53:20.3
12500	M1O	04-030/23:04:51.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-030/22:53:21.3
12501	M1O	04-030/23:04:52.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-030/22:53:22.3
12502	M1O	04-030/23:04:53.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-030/22:53:23.3
12503	M1O	04-030/23:04:54.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-030/22:53:24.3
12504	M1O	04-030/23:04:55.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-030/22:53:25.3
12505	M1O	04-030/23:06:45.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/22:55:15.3
12506	M1O	04-030/23:06:45.6	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		
12507	M1O	04-030/23:06:45.6	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12508	M1O	04-030/23:06:50.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/22:55:20.5
12509	M1O	04-030/23:06:55.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-030/22:55:25.3
12510	M1O	04-030/23:08:58.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-030/22:57:28.6
12511	M1O	04-030/23:09:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/22:57:30.7
12512	M1O	04-030/23:09:02.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-030/22:57:31.7
12513	M1O	04-030/23:09:25.0		NOTE: Descending Node Crossing 9444		04-030/22:57:54.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12514	M1O	04-030/23:10:00.0	63	End Tracking		
12515	M1O	04-030/23:10:00.9		NOTE: Changing to 34M (BWG) downlink rate: 28440_BPS		04-030/22:58:30.6
12516	M1O	04-030/23:10:00.9		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	04-030/22:58:30.6
12517	M1O	04-030/23:10:00.9	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12518	M1O	04-030/23:10:06.9		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-030/22:58:36.6
12519	M1O	04-030/23:10:06.9	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12520	M1O	04-030/23:15:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-030/23:03:30.7
12521	M1O	04-030/23:15:01.0	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12522	M1O	04-030/23:15:02.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/23:03:31.7
12523	M1O	04-030/23:15:02.0	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12524	M1O	04-030/23:15:02.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-030/23:03:31.7
12525	M1O	04-030/23:23:45.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-030/23:12:15.3
12526	M1O	04-030/23:23:46.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-030/23:12:16.4
12527	M1O	04-030/23:23:56.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-030/23:12:26.4
12528	M1O	04-030/23:23:57.7		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	04-030/23:12:27.4
12529	M1O	04-030/23:23:58.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-030/23:12:28.4
12530	M1O	04-030/23:23:59.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-030/23:12:29.4
12531	M1O	04-030/23:25:00.0	63	End Post-Cal		
12532	M1O	04-030/23:28:58.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-030/23:17:28.0
12533	M1O	04-030/23:28:58.3	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12534	M1O	04-030/23:30:00.0	14	Begin Pre-Cal		
12535	M1O	04-030/23:30:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12536	M1O	04-030/23:30:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12537	M1O	04-030/23:30:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12538	M1O	04-030/23:30:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12539	M1O	04-030/23:30:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
12540	M1O	04-030/23:30:00.0	14	Config: RCV: Parms:		
12541	M1O	04-030/23:30:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12542	M1O	04-030/23:30:00.0	14	Config: TGC: BAND=X, SR=79632.000000		
12543	M1O	04-030/23:30:00.0	14	Config: TXL		
12544	M1O	04-030/23:30:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12545	M1O	04-030/23:30:00.0	14	Config: CMD		
12546	M1O	04-030/23:30:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12547	M1O	04-030/23:37:25.2		NOTE: Periapsis 9444 ----------		04-030/23:25:54.8
12548	M1O	04-030/23:38:43.2		NOTE: South Pole Crossing 9444		04-030/23:27:12.7
12549	M1O	04-030/23:55:45.4		SPAWN, Engine = 65535, Parameters = 030, 04, TRUE, 00:19:11, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-030/23:44:15.0
12550	M1O	04-030/23:55:46.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-030/23:44:16.1
12551	M1O	04-030/23:55:48.5		CALL, Engine = , Parameters = 253	get_cmd_opt	04-030/23:44:18.1
12552	M1O	04-030/23:55:48.8		CALL, Engine = , Parameters = 030, 04, 253	bld_autosw	04-030/23:44:18.4
12553	M1O	04-030/23:55:49.9		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-030/23:44:19.5
12554	M1O	04-030/23:55:51.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:20.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12555	M1O	04-030/23:55:52.0		Deletes the designated file.: d:/dat/253_doy030_pass04_file01.dat	FILE_DELETE	04-030/23:44:21.6
12556	M1O	04-030/23:55:53.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:22.7
12557	M1O	04-030/23:55:54.1		Deletes the designated file.: d:/dat/253_doy030_pass04_file02.dat	FILE_DELETE	04-030/23:44:23.7
12558	M1O	04-030/23:55:55.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:24.8
12559	M1O	04-030/23:55:56.2		Deletes the designated file.: d:/dat/253_doy030_pass04_file03.dat	FILE_DELETE	04-030/23:44:25.8
12560	M1O	04-030/23:55:57.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:26.9
12561	M1O	04-030/23:55:58.3		Deletes the designated file.: d:/dat/253_doy030_pass04_file04.dat	FILE_DELETE	04-030/23:44:27.9
12562	M1O	04-030/23:55:59.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:29.0
12563	M1O	04-030/23:56:00.4		Deletes the designated file.: d:/dat/253_doy030_pass04_file05.dat	FILE_DELETE	04-030/23:44:30.0
12564	M1O	04-030/23:56:01.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:31.1
12565	M1O	04-030/23:56:02.5		Deletes the designated file.: d:/dat/253_doy030_pass04_file06.dat	FILE_DELETE	04-030/23:44:32.1
12566	M1O	04-030/23:56:03.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:33.2
12567	M1O	04-030/23:56:04.6		Deletes the designated file.: d:/dat/253_doy030_pass04_file07.dat	FILE_DELETE	04-030/23:44:34.2
12568	M1O	04-030/23:56:05.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:35.3
12569	M1O	04-030/23:56:06.7		Deletes the designated file.: d:/dat/253_doy030_pass04_file08.dat	FILE_DELETE	04-030/23:44:36.3
12570	M1O	04-030/23:56:07.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:37.4
12571	M1O	04-030/23:56:08.8		Deletes the designated file.: d:/dat/253_doy030_pass04_file09.dat	FILE_DELETE	04-030/23:44:38.4
12572	M1O	04-030/23:56:09.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:39.5
12573	M1O	04-030/23:56:10.9		Deletes the designated file.: d:/dat/253_doy030_pass04_file10.dat	FILE_DELETE	04-030/23:44:40.5
12574	M1O	04-030/23:56:12.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:41.6
12575	M1O	04-030/23:56:13.0		Deletes the designated file.: d:/dat/253_doy030_pass04_file11.dat	FILE_DELETE	04-030/23:44:42.6
12576	M1O	04-030/23:56:14.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:43.7
12577	M1O	04-030/23:56:15.1		Deletes the designated file.: d:/dat/253_doy030_pass04_file12.dat	FILE_DELETE	04-030/23:44:44.7
12578	M1O	04-030/23:56:16.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:45.8
12579	M1O	04-030/23:56:17.2		Deletes the designated file.: d:/dat/253_doy030_pass04_file13.dat	FILE_DELETE	04-030/23:44:46.8
12580	M1O	04-030/23:56:18.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:47.9
12581	M1O	04-030/23:56:19.3		Deletes the designated file.: d:/dat/253_doy030_pass04_file14.dat	FILE_DELETE	04-030/23:44:48.9
12582	M1O	04-030/23:56:20.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:50.0
12583	M1O	04-030/23:56:21.4		Deletes the designated file.: d:/dat/253_doy030_pass04_file15.dat	FILE_DELETE	04-030/23:44:51.0
12584	M1O	04-030/23:56:22.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:52.1
12585	M1O	04-030/23:56:23.5		Deletes the designated file.: d:/dat/253_doy030_pass04_file16.dat	FILE_DELETE	04-030/23:44:53.1
12586	M1O	04-030/23:56:24.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:54.2
12587	M1O	04-030/23:56:25.6		Deletes the designated file.: d:/dat/253_doy030_pass04_file17.dat	FILE_DELETE	04-030/23:44:55.2
12588	M1O	04-030/23:56:26.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:56.3
12589	M1O	04-030/23:56:27.7		Deletes the designated file.: d:/dat/253_doy030_pass04_file18.dat	FILE_DELETE	04-030/23:44:57.3
12590	M1O	04-030/23:56:28.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy030_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-030/23:44:58.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12591	M1O	04-030/23:56:29.8		Deletes the designated file.: d:/dat/253_doy030_pass04_file19.dat	FILE_DELETE	04-030/23:44:59.4
12592	M1O	04-030/23:56:30.8		CALL, Engine = , Parameters = 253	get_apid	04-030/23:45:00.4
12593	M1O	04-030/23:56:31.9		CALL, Engine = , Parameters = 253	get_rcv_mode	04-030/23:45:01.5
12594	M1O	04-030/23:56:32.1		CALL, Engine = , Parameters = 253	get_dl_rate	04-030/23:45:01.7
12595	M1O	04-030/23:56:33.2		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-030/23:45:02.8
12596	M1O	04-030/23:56:34.5		CALL, Engine = , Parameters = 253	get_coding	04-030/23:45:04.1
12597	M1O	04-030/23:56:35.7		CALL, Engine = , Parameters = 253	get_xmt_mode	04-030/23:45:05.3
12598	M1O	04-030/23:56:36.9		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-030/23:45:06.5
12599	M1O	04-030/23:57:41.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-030/23:46:11.3
12600	M1O	04-030/23:57:42.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-030/23:46:12.3
12601	M1O	04-030/23:57:43.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-030/23:46:13.3
12602	M1O	04-030/23:57:44.7		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-030/23:46:14.3
12603	M1O	04-030/23:57:45.7		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-030/23:46:15.3
12604	M1O	04-030/23:57:46.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-030/23:46:16.3
12605	M1O	04-030/23:57:47.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-030/23:46:17.3
12606	M1O	04-030/23:59:37.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/23:48:07.3
12607	M1O	04-030/23:59:37.7	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12608	M1O	04-030/23:59:42.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-030/23:48:12.5
12609	M1O	04-030/23:59:47.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-030/23:48:17.3
12610	M1O	04-031/00:00:00.0		Light Time: OWLT = 11:30, RTLT = 23:01		
12611	M1O	04-031/00:06:38.8		NOTE: Enter Solar Eclipse 9444		04-030/23:55:08.3
12612	M1O	04-031/00:08:04.5		NOTE: Ascending Node Crossing 9444		04-030/23:56:34.0
12613	M1O	04-031/00:15:59.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
12614	M1O	04-031/00:16:56.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-031/00:05:26.3
12615	M1O	04-031/00:16:57.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-031/00:05:27.4
12616	M1O	04-031/00:17:07.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-031/00:05:37.4
12617	M1O	04-031/00:17:08.9		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	04-031/00:05:38.4
12618	M1O	04-031/00:17:09.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-031/00:05:39.4
12619	M1O	04-031/00:17:09.9	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12620	M1O	04-031/00:17:10.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-031/00:05:40.4
12621	M1O	04-031/00:21:49.0		NOTE: Exit Solar Eclipse 9444		04-031/00:10:18.4
12622	M1O	04-031/00:22:09.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/00:10:39.0
12623	M1O	04-031/00:22:09.5	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12624	M1O	04-031/00:25:59.0	26	Range Modulation Off		
12625	M1O	04-031/00:28:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-031/00:17:27.4
12626	M1O	04-031/00:29:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/00:17:29.5
12627	M1O	04-031/00:29:00.1	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12628	M1O	04-031/00:29:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-031/00:17:30.5
12629	M1O	04-031/00:29:54.0		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-031/00:18:23.4
12630	M1O	04-031/00:29:54.0	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12631	M1O	04-031/00:30:00.0	14	Begin Tracking		
12632	M1O	04-031/00:30:00.0	14	Acquire D/L: X/08, 3-Way/26, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
12633	M1O	04-031/00:30:00.0		NOTE: Changing to 70M downlink rate: 110600_BPS		04-031/00:18:29.4
12634	M1O	04-031/00:30:00.0		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	04-031/00:18:29.4
12635	M1O	04-031/00:30:00.0	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		
12636	M1O	04-031/00:30:00.0	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12637	M1O	04-031/00:30:59.0	26	X-Band Transmitter Off		
12638	M1O	04-031/00:31:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12639	M1O	04-031/00:35:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/00:23:29.5
12640	M1O	04-031/00:35:00.1	14	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12641	M1O	04-031/00:35:00.1	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12642	M1O	04-031/00:35:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-031/00:23:30.5
12643	M1O	04-031/00:36:00.0	14	Range Modulation On: SUP=3.0dB		
12644	M1O	04-031/00:36:22.6		NOTE: Apoapsis 9444 -		04-031/00:24:52.0
12645	M1O	04-031/00:37:00.0	14	Begin Ranging Acquisition		
12646	M1O	04-031/00:38:04.6		NOTE: North Pole Crossing 9444		04-031/00:26:34.0
12647	M1O	04-031/00:42:27.5		NOTE: Enter Planetary Atmosphere 9444		04-031/00:30:56.9
12648	M1O	04-031/00:48:39.3		NOTE: Exit Planetary Atmosphere 9444		04-031/00:37:08.7
12649	M1O	04-031/00:52:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:01, 1	dpt	04-031/00:41:27.3
12650	M1O	04-031/00:53:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/00:41:29.4
12651	M1O	04-031/00:53:00.1	14	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12652	M1O	04-031/00:53:00.1	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12653	M1O	04-031/00:53:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-031/00:41:30.4
12654	M1O	04-031/00:53:32.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
12655	M1O	04-031/00:54:00.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12656	M1O	04-031/00:54:00.1	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12657	M1O	04-031/00:54:01.1	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12658	M1O	04-031/00:54:01.1	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		
12659	M1O	04-031/00:59:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/00:47:30.4
12660	M1O	04-031/00:59:01.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12661	M1O	04-031/00:59:01.1	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		
12662	M1O	04-031/00:59:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-031/00:47:31.4
12663	M1O	04-031/01:03:32.0	14	Range Modulation Off		
12664	M1O	04-031/01:04:22.6		SPAWN, Engine = 65535, Parameters = 031, 01, FALSE, 00:11:26.936, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-031/00:52:52.0
12665	M1O	04-031/01:04:23.7		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	04-031/00:52:53.1
12666	M1O	04-031/01:04:25.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-031/00:52:55.1
12667	M1O	04-031/01:05:07.9		CALL, Engine = , Parameters = 254	get_apid	04-031/00:53:37.3
12668	M1O	04-031/01:05:09.0		CALL, Engine = , Parameters = 254	get_rcv_mode	04-031/00:53:38.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12669	M1O	04-031/01:05:09.2		CALL, Engine = , Parameters = 254	get_dl_rate	04-031/00:53:38.6
12670	M1O	04-031/01:05:10.3		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-031/00:53:39.7
12671	M1O	04-031/01:05:11.6		CALL, Engine = , Parameters = 254	get_coding	04-031/00:53:41.0
12672	M1O	04-031/01:05:12.8		CALL, Engine = , Parameters = 254	get_xmt_mode	04-031/00:53:42.2
12673	M1O	04-031/01:05:14.0		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-031/00:53:43.4
12674	M1O	04-031/01:06:18.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-031/00:54:48.2
12675	M1O	04-031/01:06:19.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-031/00:54:49.2
12676	M1O	04-031/01:06:20.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-031/00:54:50.2
12677	M1O	04-031/01:06:21.8		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-031/00:54:51.2
12678	M1O	04-031/01:06:22.8		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-031/00:54:52.2
12679	M1O	04-031/01:06:23.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-031/00:54:53.2
12680	M1O	04-031/01:06:24.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-031/00:54:54.2
12681	M1O	04-031/01:08:01.6		NOTE: Descending Node Crossing 9445		04-031/00:56:30.9
12682	M1O	04-031/01:08:32.0	14	X-Band Transmitter Off		
12683	M1O	04-031/01:15:00.0	43	Begin Pre-Cal		
12684	M1O	04-031/01:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12685	M1O	04-031/01:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12686	M1O	04-031/01:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12687	M1O	04-031/01:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12688	M1O	04-031/01:15:00.0	43	At BOT: S/C Tlm Mode: BR=28440.0, FL=10112, SC=375KHZ, MI=71.7		
12689	M1O	04-031/01:15:00.0	43	Config: RCV: Parms:		
12690	M1O	04-031/01:15:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12691	M1O	04-031/01:15:00.0	43	Config: TGC: BAND=X, SR=56880.000000		
12692	M1O	04-031/01:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
12693	M1O	04-031/01:17:47.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-031/01:06:17.1
12694	M1O	04-031/01:17:48.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-031/01:06:18.2
12695	M1O	04-031/01:17:58.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-031/01:06:28.2
12696	M1O	04-031/01:17:59.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-031/01:06:29.2
12697	M1O	04-031/01:21:01.7		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-031/01:09:31.0
12698	M1O	04-031/01:21:01.8		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-031/01:09:31.1
12699	M1O	04-031/01:21:02.8		Forces a desaturation of the reaction wheels.	RW_DESAT	04-031/01:09:32.1
12700	M1O	04-031/01:23:22.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-031/01:11:52.0
12701	M1O	04-031/01:23:38.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-029T01:11:52.100, 2004-031T01:11:52.100	PCKTS_RE_TX_TIME	04-031/01:12:07.8
12702	M1O	04-031/01:23:39.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-029T01:11:52.100, 2004-031T01:11:52.100	PCKTS_RE_TX_TIME	04-031/01:12:08.8
12703	M1O	04-031/01:23:40.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-029T01:11:52.100, 2004-031T01:11:52.100	PCKTS_RE_TX_TIME	04-031/01:12:09.8
12704	M1O	04-031/01:23:41.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-029T01:11:52.100, 2004-031T01:11:52.100	PCKTS_RE_TX_TIME	04-031/01:12:10.8
12705	M1O	04-031/01:23:42.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-029T01:11:52.100, 2004-031T01:11:52.100	PCKTS_RE_TX_TIME	04-031/01:12:11.8
12706	M1O	04-031/01:23:43.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-029T01:11:52.100, 2004-031T01:11:52.100	PCKTS_RE_TX_TIME	04-031/01:12:12.8
12707	M1O	04-031/01:23:43.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-031/01:12:12.8
12708	M1O	04-031/01:23:43.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12709	M1O	04-031/01:23:43.5	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		
12710	M1O	04-031/01:30:44.5		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-031/01:19:13.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
12711	M1O	04-031/01:30:44.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12712	M1O	04-031/01:30:44.5	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		
12713	M1O	04-031/01:30:45.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-031/01:19:14.8
12714	M1O	04-031/01:31:01.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-031/01:19:30.8
12715	M1O	04-031/01:31:01.5	14	D/L RF Warning: SC antenna change - expect signal level variation		
12716	M1O	04-031/01:31:01.5	26	D/L RF Warning: SC antenna change - expect signal level variation		
12717	M1O	04-031/01:31:02.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-031/01:19:31.8
12718	M1O	04-031/01:31:33.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12719	M1O	04-031/01:31:33.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12720	M1O	04-031/01:32:32.8		CALL, Engine = , Parameters = FALSE	park_hga	04-031/01:21:02.1
12721	M1O	04-031/01:32:32.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/01:21:02.1
12722	M1O	04-031/01:32:33.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-031/01:21:03.1
12723	M1O	04-031/01:32:34.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-031/01:21:04.1
12724	M1O	04-031/01:32:34.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-031/01:21:04.1
12725	M1O	04-031/01:32:34.8		NOTE: START HGA PARK		
12726	M1O	04-031/01:32:34.8	14	NOTE: Loss Of X-Band Signal		
12727	M1O	04-031/01:32:34.8	26	NOTE: Loss Of X-Band Signal		
12728	M1O	04-031/01:32:35.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-031/01:21:05.1
12729	M1O	04-031/01:32:36.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-031/01:21:06.1
12730	M1O	04-031/01:36:25.8		NOTE: Periapsis 9445 ----------		04-031/01:24:55.0
12731	M1O	04-031/01:37:06.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-031/01:25:36.1
12732	M1O	04-031/01:37:20.0		NOTE: South Pole Crossing 9445		04-031/01:25:49.2
12733	M1O	04-031/01:40:36.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-031/01:29:06.1
12734	M1O	04-031/01:40:36.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-031/01:29:06.1
12735	M1O	04-031/02:05:12.6		NOTE: Enter Solar Eclipse 9445		04-031/01:53:41.7
12736	M1O	04-031/02:05:15.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12737	M1O	04-031/02:06:40.9		NOTE: Ascending Node Crossing 9445		04-031/01:55:10.0
12738	M1O	04-031/02:10:15.0	14	Range Modulation On: SUP=3.0dB		
12739	M1O	04-031/02:10:36.8		GV: GV_DESAT_ACTIVE = 1		04-031/01:59:06.0
12740	M1O	04-031/02:10:37.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-031/01:59:07.0
12741	M1O	04-031/02:10:37.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-031/01:59:07.0
12742	M1O	04-031/02:11:15.0	14	Begin Ranging Acquisition		
12743	M1O	04-031/02:20:26.8		NOTE: Exit Solar Eclipse 9445		04-031/02:08:55.9
12744	M1O	04-031/02:20:36.9		GV: GV_DESAT_ACTIVE = 0		04-031/02:09:06.0
12745	M1O	04-031/02:20:37.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-031/02:09:07.0
12746	M1O	04-031/02:20:38.9		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-031/02:09:08.0
12747	M1O	04-031/02:20:39.9		CALL, Engine = , Parameters =	unpark_hga	04-031/02:09:09.0
12748	M1O	04-031/02:20:39.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-031/02:09:09.0
12749	M1O	04-031/02:20:40.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-031/02:09:10.0
12750	M1O	04-031/02:25:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
12751	M1O	04-031/02:25:10.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS,	FSW_OBJ_INITIAL	04-031/02:13:40.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/sam_ga_hga_vts.cfg,		
12752	M1O	04-031/02:25:11.9		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-031/02:13:41.0
12753	M1O	04-031/02:27:51.3		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-031/02:16:20.3
12754	M1O	04-031/02:27:51.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/02:16:20.4
12755	M1O	04-031/02:27:52.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-031/02:16:21.4
12756	M1O	04-031/02:27:53.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-031/02:16:22.4
12757	M1O	04-031/02:27:54.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-031/02:16:23.4
12758	M1O	04-031/02:27:55.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-031/02:16:24.4
12759	M1O	04-031/02:28:05.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-031/02:16:34.4
12760	M1O	04-031/02:28:15.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-031/02:16:44.4
12761	M1O	04-031/02:29:11.9		NOTE: EXIT HGA PARK		
12762	M1O	04-031/02:29:11.9	14	Acquisition Of X-Band Signal		
12763	M1O	04-031/02:29:11.9	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12764	M1O	04-031/02:29:11.9	26	Acquisition Of X-Band Signal		
12765	M1O	04-031/02:29:11.9	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		
12766	M1O	04-031/02:33:15.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-031/02:21:44.4
12767	M1O	04-031/02:33:16.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/02:21:45.4
12768	M1O	04-031/02:33:16.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12769	M1O	04-031/02:33:16.4	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		
12770	M1O	04-031/02:33:17.4		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-031/02:21:46.4
12771	M1O	04-031/02:35:00.0	14	Range Modulation Off		
12772	M1O	04-031/02:35:22.9		NOTE: Apoapsis 9445 -		04-031/02:23:52.0
12773	M1O	04-031/02:36:40.8		NOTE: North Pole Crossing 9445		04-031/02:25:09.8
12774	M1O	04-031/02:40:00.0	14	X-Band Transmitter Off		
12775	M1O	04-031/02:40:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12776	M1O	04-031/02:41:02.1		NOTE: Enter Planetary Atmosphere 9445		04-031/02:29:31.1
12777	M1O	04-031/02:43:58.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-031/02:32:27.4
12778	M1O	04-031/02:44:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/02:32:29.5
12779	M1O	04-031/02:44:00.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12780	M1O	04-031/02:44:00.5	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		
12781	M1O	04-031/02:44:01.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-031/02:32:30.5
12782	M1O	04-031/02:45:00.0	14	End Tracking		
12783	M1O	04-031/02:45:00.0	26	Range Modulation On: SUP=3.0dB		
12784	M1O	04-031/02:45:00.4		NOTE: Changing to 34M (BWG) downlink rate: 28440_BPS		04-031/02:33:29.4
12785	M1O	04-031/02:45:00.4		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 28440_BPS	DOWNLINK_RATE	04-031/02:33:29.4
12786	M1O	04-031/02:45:00.4	26	D/L Change: X/08, 3-Way/14, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12787	M1O	04-031/02:46:00.0	26	Begin Ranging Acquisition		
12788	M1O	04-031/02:47:15.2		NOTE: Exit Planetary Atmosphere 9445		04-031/02:35:44.2
12789	M1O	04-031/02:50:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/02:38:29.5
12790	M1O	04-031/02:50:00.6	26	D/L Change: X/08, 3-Way/14, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
12791	M1O	04-031/02:50:01.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-031/02:38:30.5
12792	M1O	04-031/02:58:58.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-031/02:47:27.4
12793	M1O	04-031/02:59:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/02:47:29.5
12794	M1O	04-031/02:59:00.6	26	D/L Change: X/08, 3-Way/14, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12795	M1O	04-031/02:59:01.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-031/02:47:30.5
12796	M1O	04-031/03:00:00.0	14	End Post-Cal		
12797	M1O	04-031/03:00:00.0	43	Begin Tracking		
12798	M1O	04-031/03:00:00.0	43	Acquire D/L: X/08, 3-Way/14, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12799	M1O	04-031/03:00:00.5		NOTE: Changing to 70M downlink rate: 110600_BPS		04-031/02:48:29.4
12800	M1O	04-031/03:00:00.5		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	04-031/02:48:29.4
12801	M1O	04-031/03:00:00.5	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		
12802	M1O	04-031/03:00:00.5	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		
12803	M1O	04-031/03:03:01.9	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		
12804	M1O	04-031/03:03:01.9	26	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12805	M1O	04-031/03:05:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/02:53:29.5
12806	M1O	04-031/03:05:00.6	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		
12807	M1O	04-031/03:05:00.6	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12808	M1O	04-031/03:05:01.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-031/02:53:30.5
12809	M1O	04-031/03:06:38.0		NOTE: Descending Node Crossing 9446		04-031/02:55:07.0
12810	M1O	04-031/03:35:11.3		NOTE: Periapsis 9446 ----------		04-031/03:23:40.2
12811	M1O	04-031/03:35:55.5		NOTE: South Pole Crossing 9446		04-031/03:24:24.3
12812	M1O	04-031/04:03:43.9		NOTE: Enter Solar Eclipse 9446		04-031/03:52:12.7
12813	M1O	04-031/04:05:15.1		NOTE: Ascending Node Crossing 9446		04-031/03:53:43.9
12814	M1O	04-031/04:19:03.6		NOTE: Exit Solar Eclipse 9446		04-031/04:07:32.3
12815	M1O	04-031/04:33:54.0		NOTE: Apoapsis 9446 -		04-031/04:22:22.6
12816	M1O	04-031/04:35:14.8		NOTE: North Pole Crossing 9446		04-031/04:23:43.5
12817	M1O	04-031/04:39:26.0		NOTE: Enter Planetary Atmosphere 9446		04-031/04:27:54.7
12818	M1O	04-031/04:45:57.7		NOTE: Exit Planetary Atmosphere 9446		04-031/04:34:26.3
12819	M1O	04-031/04:49:55.3		SPAWN, Engine = 65535, Parameters = 031, 01, FALSE, 00:19:02.250, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-031/04:38:24.0
12820	M1O	04-031/04:49:56.4		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	04-031/04:38:25.1
12821	M1O	04-031/04:49:58.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-031/04:38:27.1
12822	M1O	04-031/04:50:40.6		CALL, Engine = , Parameters = 56	get_apid	04-031/04:39:09.3
12823	M1O	04-031/04:50:41.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-031/04:39:10.4
12824	M1O	04-031/04:50:41.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-031/04:39:10.6
12825	M1O	04-031/04:50:43.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-031/04:39:11.7
12826	M1O	04-031/04:50:44.2		CALL, Engine = , Parameters = 56	get_coding	04-031/04:39:12.9
12827	M1O	04-031/04:50:45.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-031/04:39:14.1
12828	M1O	04-031/04:50:46.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-031/04:39:15.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12829	M1O	04-031/04:51:51.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-031/04:40:20.1
12830	M1O	04-031/04:51:52.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-031/04:40:21.1
12831	M1O	04-031/04:51:53.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-031/04:40:22.1
12832	M1O	04-031/04:51:54.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-031/04:40:23.1
12833	M1O	04-031/04:51:55.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-031/04:40:24.1
12834	M1O	04-031/04:51:56.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-031/04:40:25.1
12835	M1O	04-031/04:51:57.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-031/04:40:26.1
12836	M1O	04-031/05:05:11.7		NOTE: Descending Node Crossing 9447		04-031/04:53:40.3
12837	M1O	04-031/05:10:00.0	45	Begin Pre-Cal		
12838	M1O	04-031/05:10:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12839	M1O	04-031/05:10:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12840	M1O	04-031/05:10:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12841	M1O	04-031/05:10:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12842	M1O	04-031/05:10:00.0	45	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
12843	M1O	04-031/05:10:00.0	45	Config: RCV: Parms:		
12844	M1O	04-031/05:10:00.0	45	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12845	M1O	04-031/05:10:00.0	45	Config: TGC: BAND=X, SR=221200.000000		
12846	M1O	04-031/05:10:00.0	45	Config: TXL		
12847	M1O	04-031/05:10:00.0	45	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12848	M1O	04-031/05:10:00.0	45	Config: CMD		
12849	M1O	04-031/05:10:00.0	45	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12850	M1O	04-031/05:10:55.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-031/04:59:24.3
12851	M1O	04-031/05:10:56.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-031/04:59:25.4
12852	M1O	04-031/05:11:06.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-031/04:59:35.4
12853	M1O	04-031/05:11:07.9		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	04-031/04:59:36.4
12854	M1O	04-031/05:33:28.9		NOTE: Periapsis 9447 ----------		04-031/05:21:57.4
12855	M1O	04-031/05:34:28.0		NOTE: South Pole Crossing 9447		04-031/05:22:56.5
12856	M1O	04-031/06:02:15.8		NOTE: Enter Solar Eclipse 9447		04-031/05:50:44.1
12857	M1O	04-031/06:03:47.1		NOTE: Ascending Node Crossing 9447		04-031/05:52:15.4
12858	M1O	04-031/06:05:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
12859	M1O	04-031/06:15:00.0	26	Range Modulation Off		
12860	M1O	04-031/06:17:37.2		NOTE: Exit Solar Eclipse 9447		04-031/06:06:05.5
12861	M1O	04-031/06:20:00.0	26	X-Band Transmitter Off		
12862	M1O	04-031/06:21:56.5	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
12863	M1O	04-031/06:25:00.0	45	Begin Tracking		
12864	M1O	04-031/06:25:00.0	45	Acquire D/L: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12865	M1O	04-031/06:26:00.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12866	M1O	04-031/06:31:00.0	45	Range Modulation On: SUP=3.0dB		
12867	M1O	04-031/06:32:00.0	26	NOTE: Below Uplink Interlock Limit		
12868	M1O	04-031/06:32:00.0	45	Begin Ranging Acquisition		
12869	M1O	04-031/06:32:01.3		NOTE: Apoapsis 9447 -		04-031/06:20:29.6
12870	M1O	04-031/06:33:46.2		NOTE: North Pole Crossing 9447		04-031/06:22:14.5
12871	M1O	04-031/06:37:46.5		NOTE: Enter Planetary Atmosphere 9447		04-031/06:26:14.8
12872	M1O	04-031/06:42:01.2		SPAWN, Engine = 65535, Parameters = 3, 00:12:00, 1	dpt	04-031/06:30:29.5
12873	M1O	04-031/06:42:03.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/06:30:31.6
12874	M1O	04-031/06:42:03.3	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		
12875	M1O	04-031/06:42:03.3	45	D/L Change: X/08, 3-Way/26, 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		
12876	M1O	04-031/06:42:03.3	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12877	M1O	04-031/06:42:04.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-031/06:30:32.6
12878	M1O	04-031/06:43:03.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12879	M1O	04-031/06:43:03.3	45	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12880	M1O	04-031/06:43:03.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12881	M1O	04-031/06:44:38.2		NOTE: Exit Planetary Atmosphere 9447		04-031/06:33:06.4
12882	M1O	04-031/06:45:00.0	26	End Tracking		
12883	M1O	04-031/06:49:03.4	43	Acquire D/L: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12884	M1O	04-031/06:49:03.4	45	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12885	M1O	04-031/06:49:56.7		SPAWN, Engine = 65535, Parameters = 031, 02, FALSE, 00:13:04.967, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-031/06:38:25.0
12886	M1O	04-031/06:49:57.8		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	04-031/06:38:26.1
12887	M1O	04-031/06:49:59.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-031/06:38:28.1
12888	M1O	04-031/06:50:42.0		CALL, Engine = , Parameters = 56	get_apid	04-031/06:39:10.3
12889	M1O	04-031/06:50:43.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-031/06:39:11.4
12890	M1O	04-031/06:50:43.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-031/06:39:11.6
12891	M1O	04-031/06:50:44.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-031/06:39:12.7
12892	M1O	04-031/06:50:45.6		CALL, Engine = , Parameters = 56	get_coding	04-031/06:39:13.9
12893	M1O	04-031/06:50:46.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-031/06:39:15.1
12894	M1O	04-031/06:50:48.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-031/06:39:16.3
12895	M1O	04-031/06:51:52.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-031/06:40:21.1
12896	M1O	04-031/06:51:53.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-031/06:40:22.1
12897	M1O	04-031/06:51:54.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-031/06:40:23.1
12898	M1O	04-031/06:51:55.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-031/06:40:24.1
12899	M1O	04-031/06:51:56.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-031/06:40:25.1
12900	M1O	04-031/06:51:57.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-031/06:40:26.1
12901	M1O	04-031/06:51:58.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-031/06:40:27.1
12902	M1O	04-031/06:54:03.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/06:42:31.6
12903	M1O	04-031/06:54:03.4	43	D/L Change: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12904	M1O	04-031/06:54:03.4	45	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12905	M1O	04-031/06:54:04.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-031/06:42:32.6
12906	M1O	04-031/07:00:00.0	26	End Post-Cal		
12907	M1O	04-031/07:03:42.1		NOTE: Descending Node Crossing 9448		04-031/06:52:10.3
12908	M1O	04-031/07:04:59.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-031/06:53:28.0
12909	M1O	04-031/07:05:00.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-031/06:53:29.1
12910	M1O	04-031/07:05:10.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-031/06:53:39.1
12911	M1O	04-031/07:05:11.9		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	04-031/06:53:40.1
12912	M1O	04-031/07:11:31.8		SPAWN, Engine = 65535, Parameters =	scdiag	04-031/07:00:00.0
12913	M1O	04-031/07:11:32.9		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-031/07:00:01.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12914	M1O	04-031/07:11:33.9		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-031/07:00:02.1
12915	M1O	04-031/07:12:34.8		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-031/07:01:03.0
12916	M1O	04-031/07:12:35.0		NOTE: Start Block fsw_diag		04-031/07:01:03.2
12917	M1O	04-031/07:12:36.0		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-031/07:01:04.2
12918	M1O	04-031/07:12:37.0		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	04-031/07:01:05.2
12919	M1O	04-031/07:12:48.0		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	04-031/07:01:16.2
12920	M1O	04-031/07:13:18.0		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-031/07:01:46.2
12921	M1O	04-031/07:13:38.0		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-031/07:02:06.2
12922	M1O	04-031/07:13:48.0		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-031/07:02:16.2
12923	M1O	04-031/07:14:08.0		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-031/07:02:36.2
12924	M1O	04-031/07:14:18.0		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-031/07:02:46.2
12925	M1O	04-031/07:14:23.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-031/07:02:51.2
12926	M1O	04-031/07:14:28.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-031/07:02:56.2
12927	M1O	04-031/07:14:33.0		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-031/07:03:01.2
12928	M1O	04-031/07:14:38.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-031/07:03:06.2
12929	M1O	04-031/07:14:43.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-031/07:03:11.2
12930	M1O	04-031/07:15:23.0		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-031/07:03:51.2
12931	M1O	04-031/07:15:28.0		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-031/07:03:56.2
12932	M1O	04-031/07:15:33.0		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-031/07:04:01.2
12933	M1O	04-031/07:15:38.0		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-031/07:04:06.2
12934	M1O	04-031/07:15:43.0		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-031/07:04:11.2
12935	M1O	04-031/07:15:44.0		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-031/07:04:12.2
12936	M1O	04-031/07:15:45.0		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-031/07:04:13.2
12937	M1O	04-031/07:15:46.0		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-031/07:04:14.2
12938	M1O	04-031/07:15:57.0		NOTE: End Block fsw_diag.mod		04-031/07:04:25.2
12939	M1O	04-031/07:31:41.0		NOTE: Periapsis 9448 ----------		04-031/07:20:09.1
12940	M1O	04-031/07:32:58.6		NOTE: South Pole Crossing 9448		04-031/07:21:26.7
12941	M1O	04-031/08:00:49.2		NOTE: Enter Solar Eclipse 9448		04-031/07:49:17.2
12942	M1O	04-031/08:02:18.5		NOTE: Ascending Node Crossing 9448		04-031/07:50:46.5
12943	M1O	04-031/08:16:05.5		NOTE: Exit Solar Eclipse 9448		04-031/08:04:33.4
12944	M1O	04-031/08:30:32.6		NOTE: Apoapsis 9448 -		04-031/08:19:00.5
12945	M1O	04-031/08:32:17.6		NOTE: North Pole Crossing 9448		04-031/08:20:45.5
12946	M1O	04-031/08:36:29.9		NOTE: Enter Planetary Atmosphere 9448		04-031/08:24:57.8
12947	M1O	04-031/08:42:57.5		NOTE: Exit Planetary Atmosphere 9448		04-031/08:31:25.3
12948	M1O	04-031/09:02:13.5		NOTE: Descending Node Crossing 9449		04-031/08:50:41.3
12949	M1O	04-031/09:30:11.8		NOTE: Periapsis 9449 ----------		04-031/09:18:39.5
12950	M1O	04-031/09:31:30.8		NOTE: South Pole Crossing 9449		04-031/09:19:58.5
12951	M1O	04-031/09:36:55.2	45	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
12952	M1O	04-031/09:40:00.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
12953	M1O	04-031/09:45:00.0	63	Begin Pre-Cal		
12954	M1O	04-031/09:45:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12955	M1O	04-031/09:45:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12956	M1O	04-031/09:45:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12957	M1O	04-031/09:45:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12958	M1O	04-031/09:45:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
12959	M1O	04-031/09:45:00.0	63	Config: RCV: Parms:		
12960	M1O	04-031/09:45:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12961	M1O	04-031/09:45:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
12962	M1O	04-031/09:45:00.0	63	Config: TXL		
12963	M1O	04-031/09:45:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12964	M1O	04-031/09:45:00.0	63	Config: CMD		
12965	M1O	04-031/09:45:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12966	M1O	04-031/09:50:00.0	45	Range Modulation Off		
12967	M1O	04-031/09:55:00.0	45	X-Band Transmitter Off		
12968	M1O	04-031/09:59:23.7		NOTE: Enter Solar Eclipse 9449		04-031/09:47:51.3
12969	M1O	04-031/10:00:00.0	45	End Tracking		
12970	M1O	04-031/10:00:51.6		NOTE: Ascending Node Crossing 9449		04-031/09:49:19.2
12971	M1O	04-031/10:14:32.3		NOTE: Exit Solar Eclipse 9449		04-031/10:02:59.8
12972	M1O	04-031/10:15:00.0	45	End Post-Cal		
12973	M1O	04-031/10:17:01.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-031/10:05:29.5
12974	M1O	04-031/10:17:04.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/10:05:31.6
12975	M1O	04-031/10:17:04.0	43	D/L Change: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12976	M1O	04-031/10:17:05.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-031/10:05:32.6
12977	M1O	04-031/10:18:04.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12978	M1O	04-031/10:23:04.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/10:11:31.6
12979	M1O	04-031/10:23:04.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12980	M1O	04-031/10:23:05.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-031/10:11:32.6
12981	M1O	04-031/10:29:18.4		NOTE: Apoapsis 9449 -		04-031/10:17:46.0
12982	M1O	04-031/10:30:52.1		NOTE: North Pole Crossing 9449		04-031/10:19:19.6
12983	M1O	04-031/10:35:35.2		NOTE: Enter Planetary Atmosphere 9449		04-031/10:24:02.7
12984	M1O	04-031/10:41:04.0		NOTE: Exit Planetary Atmosphere 9449		04-031/10:29:31.5
12985	M1O	04-031/10:51:46.5		SPAWN, Engine = 65535, Parameters = 031, 01, FALSE, 00:16:24.040, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-031/10:40:14.0
12986	M1O	04-031/10:51:47.6		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	04-031/10:40:15.1
12987	M1O	04-031/10:51:49.6		CALL, Engine = , Parameters = 253	get_cmd_opt	04-031/10:40:17.1
12988	M1O	04-031/10:52:31.8		CALL, Engine = , Parameters = 253	get_apid	04-031/10:40:59.3
12989	M1O	04-031/10:52:32.9		CALL, Engine = , Parameters = 253	get_rcv_mode	04-031/10:41:00.4
12990	M1O	04-031/10:52:33.1		CALL, Engine = , Parameters = 253	get_dl_rate	04-031/10:41:00.6
12991	M1O	04-031/10:52:34.2		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-031/10:41:01.7
12992	M1O	04-031/10:52:35.5		CALL, Engine = , Parameters = 253	get_coding	04-031/10:41:03.0
12993	M1O	04-031/10:52:36.7		CALL, Engine = , Parameters = 253	get_xmt_mode	04-031/10:41:04.2
12994	M1O	04-031/10:52:37.9		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-031/10:41:05.4
12995	M1O	04-031/10:53:42.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-031/10:42:10.2
12996	M1O	04-031/10:53:43.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-031/10:42:11.2
12997	M1O	04-031/10:53:44.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-031/10:42:12.2
12998	M1O	04-031/10:53:45.7		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-031/10:42:13.2
12999	M1O	04-031/10:53:46.7		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-031/10:42:14.2
13000	M1O	04-031/10:53:47.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-031/10:42:15.2
13001	M1O	04-031/10:53:48.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-031/10:42:16.2
13002	M1O	04-031/11:00:49.4		NOTE: Descending Node Crossing 9450		04-031/10:49:16.8
13003	M1O	04-031/11:10:08.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-031/10:58:36.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13004	M1O	04-031/11:10:09.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-031/10:58:37.3
13005	M1O	04-031/11:10:19.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-031/10:58:47.3
13006	M1O	04-031/11:10:20.9		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	04-031/10:58:48.3
13007	M1O	04-031/11:28:56.6		NOTE: Periapsis 9450 ----------		04-031/11:17:24.0
13008	M1O	04-031/11:30:00.0	63	Begin Tracking		
13009	M1O	04-031/11:30:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13010	M1O	04-031/11:30:06.7		NOTE: South Pole Crossing 9450		04-031/11:18:34.0
13011	M1O	04-031/11:35:09.0	63	NOTE: Above Uplink Interlock Limit		
13012	M1O	04-031/11:40:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13013	M1O	04-031/11:42:20.0	43	NOTE: Below Uplink Interlock Limit		
13014	M1O	04-031/11:43:10.7		SPAWN, Engine = 65535, Parameters = 031, 02, TRUE, 00:19:20, 254, TRUE, 128_KPS, 00:02:00, 00:00:00	uhf	04-031/11:31:38.0
13015	M1O	04-031/11:43:11.8		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	04-031/11:31:39.1
13016	M1O	04-031/11:43:13.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-031/11:31:41.1
13017	M1O	04-031/11:43:14.1		CALL, Engine = , Parameters = 031, 02, 254	bld_autosw	04-031/11:31:41.4
13018	M1O	04-031/11:43:15.2		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-031/11:31:42.5
13019	M1O	04-031/11:43:16.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:31:43.6
13020	M1O	04-031/11:43:17.3		Deletes the designated file.: d:/dat/254_doy031_pass02_file01.dat	FILE_DELETE	04-031/11:31:44.6
13021	M1O	04-031/11:43:18.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:31:45.7
13022	M1O	04-031/11:43:19.4		Deletes the designated file.: d:/dat/254_doy031_pass02_file02.dat	FILE_DELETE	04-031/11:31:46.7
13023	M1O	04-031/11:43:20.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:31:47.8
13024	M1O	04-031/11:43:21.5		Deletes the designated file.: d:/dat/254_doy031_pass02_file03.dat	FILE_DELETE	04-031/11:31:48.8
13025	M1O	04-031/11:43:22.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:31:49.9
13026	M1O	04-031/11:43:23.6		Deletes the designated file.: d:/dat/254_doy031_pass02_file04.dat	FILE_DELETE	04-031/11:31:50.9
13027	M1O	04-031/11:43:24.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:31:52.0
13028	M1O	04-031/11:43:25.7		Deletes the designated file.: d:/dat/254_doy031_pass02_file05.dat	FILE_DELETE	04-031/11:31:53.0
13029	M1O	04-031/11:43:26.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:31:54.1
13030	M1O	04-031/11:43:27.8		Deletes the designated file.: d:/dat/254_doy031_pass02_file06.dat	FILE_DELETE	04-031/11:31:55.1
13031	M1O	04-031/11:43:28.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:31:56.2
13032	M1O	04-031/11:43:29.9		Deletes the designated file.: d:/dat/254_doy031_pass02_file07.dat	FILE_DELETE	04-031/11:31:57.2
13033	M1O	04-031/11:43:31.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:31:58.3
13034	M1O	04-031/11:43:32.0		Deletes the designated file.: d:/dat/254_doy031_pass02_file08.dat	FILE_DELETE	04-031/11:31:59.3
13035	M1O	04-031/11:43:33.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:32:00.4
13036	M1O	04-031/11:43:34.1		Deletes the designated file.: d:/dat/254_doy031_pass02_file09.dat	FILE_DELETE	04-031/11:32:01.4
13037	M1O	04-031/11:43:35.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:32:02.5
13038	M1O	04-031/11:43:36.2		Deletes the designated file.: d:/dat/254_doy031_pass02_file10.dat	FILE_DELETE	04-031/11:32:03.5
13039	M1O	04-031/11:43:37.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:32:04.6
13040	M1O	04-031/11:43:38.3		Deletes the designated file.: d:/dat/254_doy031_pass02_file11.dat	FILE_DELETE	04-031/11:32:05.6
13041	M1O	04-031/11:43:39.4		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-031/11:32:06.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy031_pass02_file12.dat, d:/dat/autoswitch.dat		
13042	M1O	04-031/11:43:40.4		Deletes the designated file.: d:/dat/254_doy031_pass02_file12.dat	FILE_DELETE	04-031/11:32:07.7
13043	M1O	04-031/11:43:41.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:32:08.8
13044	M1O	04-031/11:43:42.5		Deletes the designated file.: d:/dat/254_doy031_pass02_file13.dat	FILE_DELETE	04-031/11:32:09.8
13045	M1O	04-031/11:43:43.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:32:10.9
13046	M1O	04-031/11:43:44.6		Deletes the designated file.: d:/dat/254_doy031_pass02_file14.dat	FILE_DELETE	04-031/11:32:11.9
13047	M1O	04-031/11:43:45.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:32:13.0
13048	M1O	04-031/11:43:46.7		Deletes the designated file.: d:/dat/254_doy031_pass02_file15.dat	FILE_DELETE	04-031/11:32:14.0
13049	M1O	04-031/11:43:47.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:32:15.1
13050	M1O	04-031/11:43:48.8		Deletes the designated file.: d:/dat/254_doy031_pass02_file16.dat	FILE_DELETE	04-031/11:32:16.1
13051	M1O	04-031/11:43:49.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:32:17.2
13052	M1O	04-031/11:43:50.9		Deletes the designated file.: d:/dat/254_doy031_pass02_file17.dat	FILE_DELETE	04-031/11:32:18.2
13053	M1O	04-031/11:43:52.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:32:19.3
13054	M1O	04-031/11:43:53.0		Deletes the designated file.: d:/dat/254_doy031_pass02_file18.dat	FILE_DELETE	04-031/11:32:20.3
13055	M1O	04-031/11:43:54.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy031_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/11:32:21.4
13056	M1O	04-031/11:43:55.1		Deletes the designated file.: d:/dat/254_doy031_pass02_file19.dat	FILE_DELETE	04-031/11:32:22.4
13057	M1O	04-031/11:43:56.1		CALL, Engine = , Parameters = 254	get_apid	04-031/11:32:23.4
13058	M1O	04-031/11:43:57.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-031/11:32:24.5
13059	M1O	04-031/11:43:57.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-031/11:32:24.7
13060	M1O	04-031/11:43:58.5		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-031/11:32:25.8
13061	M1O	04-031/11:43:59.8		CALL, Engine = , Parameters = 254	get_coding	04-031/11:32:27.1
13062	M1O	04-031/11:44:01.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-031/11:32:28.3
13063	M1O	04-031/11:44:02.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-031/11:32:29.5
13064	M1O	04-031/11:45:00.0	63	Range Modulation On: SUP=3.0dB		
13065	M1O	04-031/11:45:07.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-031/11:33:34.3
13066	M1O	04-031/11:45:08.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-031/11:33:35.3
13067	M1O	04-031/11:45:09.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-031/11:33:36.3
13068	M1O	04-031/11:45:10.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-031/11:33:37.3
13069	M1O	04-031/11:45:11.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-031/11:33:38.3
13070	M1O	04-031/11:45:12.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-031/11:33:39.3
13071	M1O	04-031/11:45:13.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-031/11:33:40.3
13072	M1O	04-031/11:45:14.0		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-031/11:33:41.3
13073	M1O	04-031/11:45:15.0		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-031/11:33:42.3
13074	M1O	04-031/11:46:00.0	63	Begin Ranging Acquisition		
13075	M1O	04-031/11:47:03.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/11:35:30.3
13076	M1O	04-031/11:47:03.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13077	M1O	04-031/11:47:03.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13078	M1O	04-031/11:47:08.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/11:35:35.5
13079	M1O	04-031/11:47:13.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-031/11:35:40.3
13080	M1O	04-031/11:50:00.0	43	End Tracking		
13081	M1O	04-031/11:57:58.6		NOTE: Enter Solar Eclipse 9450		04-031/11:46:25.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13082	M1O	04-031/11:59:27.2		NOTE: Ascending Node Crossing 9450		04-031/11:47:54.4
13083	M1O	04-031/12:02:01.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-031/11:50:28.3
13084	M1O	04-031/12:02:03.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/11:50:30.4
13085	M1O	04-031/12:02:04.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-031/11:50:31.4
13086	M1O	04-031/12:03:05.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13087	M1O	04-031/12:04:28.0		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-031/11:52:55.3
13088	M1O	04-031/12:04:29.0		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-031/11:52:56.3
13089	M1O	04-031/12:04:31.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-031/11:52:58.3
13090	M1O	04-031/12:04:32.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-031/11:52:59.4
13091	M1O	04-031/12:04:42.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-031/11:53:09.4
13092	M1O	04-031/12:04:43.1		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	04-031/11:53:10.4
13093	M1O	04-031/12:04:44.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-031/11:53:11.4
13094	M1O	04-031/12:04:44.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13095	M1O	04-031/12:04:45.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-031/11:53:12.4
13096	M1O	04-031/12:05:00.0	43	End Post-Cal		
13097	M1O	04-031/12:08:03.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/11:56:30.4
13098	M1O	04-031/12:08:03.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13099	M1O	04-031/12:08:04.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-031/11:56:31.4
13100	M1O	04-031/12:13:03.8		NOTE: Exit Solar Eclipse 9450		04-031/12:01:31.0
13101	M1O	04-031/12:27:53.2		NOTE: Apoapsis 9450 -		04-031/12:16:20.4
13102	M1O	04-031/12:29:28.3		NOTE: North Pole Crossing 9450		04-031/12:17:55.5
13103	M1O	04-031/12:34:28.3		NOTE: Enter Planetary Atmosphere 9450		04-031/12:22:55.4
13104	M1O	04-031/12:39:25.4		NOTE: Exit Planetary Atmosphere 9450		04-031/12:27:52.5
13105	M1O	04-031/12:48:45.9		SPAWN, Engine = 65535, Parameters = 031, 02, TRUE, 00:17:12, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-031/12:37:13.0
13106	M1O	04-031/12:48:47.0		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	04-031/12:37:14.1
13107	M1O	04-031/12:48:49.0		CALL, Engine = , Parameters = 253	get_cmd_opt	04-031/12:37:16.1
13108	M1O	04-031/12:48:49.3		CALL, Engine = , Parameters = 031, 02, 253	bld_autosw	04-031/12:37:16.4
13109	M1O	04-031/12:48:50.4		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-031/12:37:17.5
13110	M1O	04-031/12:48:51.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:18.6
13111	M1O	04-031/12:48:52.5		Deletes the designated file.: d:/dat/253_doy031_pass02_file01.dat	FILE_DELETE	04-031/12:37:19.6
13112	M1O	04-031/12:48:53.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:20.7
13113	M1O	04-031/12:48:54.6		Deletes the designated file.: d:/dat/253_doy031_pass02_file02.dat	FILE_DELETE	04-031/12:37:21.7
13114	M1O	04-031/12:48:55.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:22.8
13115	M1O	04-031/12:48:56.7		Deletes the designated file.: d:/dat/253_doy031_pass02_file03.dat	FILE_DELETE	04-031/12:37:23.8
13116	M1O	04-031/12:48:57.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:24.9
13117	M1O	04-031/12:48:58.8		Deletes the designated file.: d:/dat/253_doy031_pass02_file04.dat	FILE_DELETE	04-031/12:37:25.9
13118	M1O	04-031/12:48:59.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:27.0
13119	M1O	04-031/12:49:00.9		Deletes the designated file.: d:/dat/253_doy031_pass02_file05.dat	FILE_DELETE	04-031/12:37:28.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13120	M1O	04-031/12:49:02.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:29.1
13121	M1O	04-031/12:49:03.0		Deletes the designated file.: d:/dat/253_doy031_pass02_file06.dat	FILE_DELETE	04-031/12:37:30.1
13122	M1O	04-031/12:49:04.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:31.2
13123	M1O	04-031/12:49:05.1		Deletes the designated file.: d:/dat/253_doy031_pass02_file07.dat	FILE_DELETE	04-031/12:37:32.2
13124	M1O	04-031/12:49:06.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:33.3
13125	M1O	04-031/12:49:07.2		Deletes the designated file.: d:/dat/253_doy031_pass02_file08.dat	FILE_DELETE	04-031/12:37:34.3
13126	M1O	04-031/12:49:08.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:35.4
13127	M1O	04-031/12:49:09.3		Deletes the designated file.: d:/dat/253_doy031_pass02_file09.dat	FILE_DELETE	04-031/12:37:36.4
13128	M1O	04-031/12:49:10.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:37.5
13129	M1O	04-031/12:49:11.4		Deletes the designated file.: d:/dat/253_doy031_pass02_file10.dat	FILE_DELETE	04-031/12:37:38.5
13130	M1O	04-031/12:49:12.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:39.6
13131	M1O	04-031/12:49:13.5		Deletes the designated file.: d:/dat/253_doy031_pass02_file11.dat	FILE_DELETE	04-031/12:37:40.6
13132	M1O	04-031/12:49:14.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:41.7
13133	M1O	04-031/12:49:15.6		Deletes the designated file.: d:/dat/253_doy031_pass02_file12.dat	FILE_DELETE	04-031/12:37:42.7
13134	M1O	04-031/12:49:16.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:43.8
13135	M1O	04-031/12:49:17.7		Deletes the designated file.: d:/dat/253_doy031_pass02_file13.dat	FILE_DELETE	04-031/12:37:44.8
13136	M1O	04-031/12:49:18.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:45.9
13137	M1O	04-031/12:49:19.8		Deletes the designated file.: d:/dat/253_doy031_pass02_file14.dat	FILE_DELETE	04-031/12:37:46.9
13138	M1O	04-031/12:49:20.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:48.0
13139	M1O	04-031/12:49:21.9		Deletes the designated file.: d:/dat/253_doy031_pass02_file15.dat	FILE_DELETE	04-031/12:37:49.0
13140	M1O	04-031/12:49:23.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:50.1
13141	M1O	04-031/12:49:24.0		Deletes the designated file.: d:/dat/253_doy031_pass02_file16.dat	FILE_DELETE	04-031/12:37:51.1
13142	M1O	04-031/12:49:25.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:52.2
13143	M1O	04-031/12:49:26.1		Deletes the designated file.: d:/dat/253_doy031_pass02_file17.dat	FILE_DELETE	04-031/12:37:53.2
13144	M1O	04-031/12:49:27.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:54.3
13145	M1O	04-031/12:49:28.2		Deletes the designated file.: d:/dat/253_doy031_pass02_file18.dat	FILE_DELETE	04-031/12:37:55.3
13146	M1O	04-031/12:49:29.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/12:37:56.4
13147	M1O	04-031/12:49:30.3		Deletes the designated file.: d:/dat/253_doy031_pass02_file19.dat	FILE_DELETE	04-031/12:37:57.4
13148	M1O	04-031/12:49:31.3		CALL, Engine = , Parameters = 253	get_apid	04-031/12:37:58.4
13149	M1O	04-031/12:49:32.4		CALL, Engine = , Parameters = 253	get_rcv_mode	04-031/12:37:59.5
13150	M1O	04-031/12:49:32.6		CALL, Engine = , Parameters = 253	get_dl_rate	04-031/12:37:59.7
13151	M1O	04-031/12:49:33.7		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-031/12:38:00.8
13152	M1O	04-031/12:49:35.0		CALL, Engine = , Parameters = 253	get_coding	04-031/12:38:02.1
13153	M1O	04-031/12:49:36.2		CALL, Engine = , Parameters = 253	get_xmt_mode	04-031/12:38:03.3
13154	M1O	04-031/12:49:37.4		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-031/12:38:04.5
13155	M1O	04-031/12:50:42.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-031/12:39:09.3
13156	M1O	04-031/12:50:43.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-031/12:39:10.3
13157	M1O	04-031/12:50:44.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-031/12:39:11.3
13158	M1O	04-031/12:50:45.2		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-031/12:39:12.3
13159	M1O	04-031/12:50:46.2		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-031/12:39:13.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13160	M1O	04-031/12:50:47.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-031/12:39:14.3
13161	M1O	04-031/12:50:48.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-031/12:39:15.3
13162	M1O	04-031/12:52:38.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/12:41:05.3
13163	M1O	04-031/12:52:38.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13164	M1O	04-031/12:52:43.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/12:41:10.5
13165	M1O	04-031/12:52:48.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-031/12:41:15.3
13166	M1O	04-031/12:59:26.3		NOTE: Descending Node Crossing 9451		04-031/12:47:53.3
13167	M1O	04-031/13:07:58.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-031/12:56:25.3
13168	M1O	04-031/13:07:59.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-031/12:56:26.4
13169	M1O	04-031/13:08:09.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-031/12:56:36.4
13170	M1O	04-031/13:08:10.3		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	04-031/12:56:37.4
13171	M1O	04-031/13:08:11.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-031/12:56:38.4
13172	M1O	04-031/13:08:11.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13173	M1O	04-031/13:08:12.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-031/12:56:39.4
13174	M1O	04-031/13:13:11.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/13:01:38.0
13175	M1O	04-031/13:13:11.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13176	M1O	04-031/13:27:31.2		NOTE: Periapsis 9451 ----------		04-031/13:15:58.1
13177	M1O	04-031/13:28:43.5		NOTE: South Pole Crossing 9451		04-031/13:17:10.4
13178	M1O	04-031/13:40:00.0	65	Begin Pre-Cal		
13179	M1O	04-031/13:40:00.0	65	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13180	M1O	04-031/13:40:00.0	65	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13181	M1O	04-031/13:40:00.0	65	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13182	M1O	04-031/13:40:00.0	65	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13183	M1O	04-031/13:40:00.0	65	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
13184	M1O	04-031/13:40:00.0	65	Config: RCV: Parms:		
13185	M1O	04-031/13:40:00.0	65	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
13186	M1O	04-031/13:40:00.0	65	Config: TGC: BAND=X, SR=221200.000000		
13187	M1O	04-031/13:40:00.0	65	Config: TXL		
13188	M1O	04-031/13:40:00.0	65	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
13189	M1O	04-031/13:40:00.0	65	Config: CMD		
13190	M1O	04-031/13:46:10.1		SPAWN, Engine = 65535, Parameters = 031, 03, FALSE, 00:07:03.063, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-031/13:34:37.0
13191	M1O	04-031/13:46:11.2		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	04-031/13:34:38.1
13192	M1O	04-031/13:46:13.2		CALL, Engine = , Parameters = 254	get_cmd_opt	04-031/13:34:40.1
13193	M1O	04-031/13:46:55.4		CALL, Engine = , Parameters = 254	get_apid	04-031/13:35:22.3
13194	M1O	04-031/13:46:56.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-031/13:35:23.4
13195	M1O	04-031/13:46:56.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-031/13:35:23.6
13196	M1O	04-031/13:46:57.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-031/13:35:24.7
13197	M1O	04-031/13:46:59.1		CALL, Engine = , Parameters = 254	get_coding	04-031/13:35:26.0
13198	M1O	04-031/13:47:00.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-031/13:35:27.2
13199	M1O	04-031/13:47:01.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-031/13:35:28.4
13200	M1O	04-031/13:48:06.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-031/13:36:33.2
13201	M1O	04-031/13:48:07.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-031/13:36:34.2
13202	M1O	04-031/13:48:08.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-031/13:36:35.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13203	M1O	04-031/13:48:09.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-031/13:36:36.2
13204	M1O	04-031/13:48:10.3		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-031/13:36:37.2
13205	M1O	04-031/13:48:11.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-031/13:36:38.2
13206	M1O	04-031/13:48:12.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-031/13:36:39.2
13207	M1O	04-031/13:55:11.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-031/13:43:38.2
13208	M1O	04-031/13:55:12.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-031/13:43:39.3
13209	M1O	04-031/13:55:22.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-031/13:43:49.3
13210	M1O	04-031/13:55:23.4		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	04-031/13:43:50.3
13211	M1O	04-031/13:56:35.1		NOTE: Enter Solar Eclipse 9451		04-031/13:45:02.0
13212	M1O	04-031/13:58:03.8		NOTE: Ascending Node Crossing 9451		04-031/13:46:30.6
13213	M1O	04-031/14:09:59.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
13214	M1O	04-031/14:11:40.1		NOTE: Exit Solar Eclipse 9451		04-031/14:00:06.9
13215	M1O	04-031/14:19:59.0	63	Range Modulation Off		
13216	M1O	04-031/14:24:59.0	63	X-Band Transmitter Off		
13217	M1O	04-031/14:25:00.0	65	Begin Tracking		
13218	M1O	04-031/14:25:00.0	65	Acquire D/L: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13219	M1O	04-031/14:26:00.0	65	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13220	M1O	04-031/14:26:10.1		NOTE: Apoapsis 9451 -		04-031/14:14:36.9
13221	M1O	04-031/14:28:04.5		NOTE: North Pole Crossing 9451		04-031/14:16:31.3
13222	M1O	04-031/14:32:56.8		NOTE: Enter Planetary Atmosphere 9451		04-031/14:21:23.5
13223	M1O	04-031/14:38:09.0		NOTE: Exit Planetary Atmosphere 9451		04-031/14:26:35.7
13224	M1O	04-031/14:47:02.9		SPAWN, Engine = 65535, Parameters = 3, 00:07:01, 1	dpt	04-031/14:35:29.6
13225	M1O	04-031/14:47:05.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/14:35:31.7
13226	M1O	04-031/14:47:05.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13227	M1O	04-031/14:47:05.0	65	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13228	M1O	04-031/14:47:06.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-031/14:35:32.7
13229	M1O	04-031/14:48:05.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13230	M1O	04-031/14:48:05.4	65	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13231	M1O	04-031/14:49:06.4	63	Acquire D/L: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13232	M1O	04-031/14:49:06.4	65	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13233	M1O	04-031/14:54:06.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/14:42:32.7
13234	M1O	04-031/14:54:06.0	63	D/L Change: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13235	M1O	04-031/14:54:06.0	65	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13236	M1O	04-031/14:54:07.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-031/14:42:33.7
13237	M1O	04-031/14:58:01.8		NOTE: Descending Node Crossing 9452		04-031/14:46:28.4
13238	M1O	04-031/15:26:01.9		NOTE: Periapsis 9452 ----------		04-031/15:14:28.5
13239	M1O	04-031/15:27:19.1		NOTE: South Pole Crossing 9452		04-031/15:15:45.7
13240	M1O	04-031/15:55:11.1		NOTE: Enter Solar Eclipse 9452		04-031/15:43:37.6
13241	M1O	04-031/15:55:16.5		SPAWN, Engine = 65535, Parameters = 031, 03, FALSE, 00:09:43.345, 056, FALSE, 32_KPS,	uhf	04-031/15:43:43.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				00:06:00, 00:00:00		
13242	M1O	04-031/15:55:17.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-031/15:43:44.1
13243	M1O	04-031/15:55:19.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-031/15:43:46.1
13244	M1O	04-031/15:56:01.8		CALL, Engine = , Parameters = 56	get_apid	04-031/15:44:28.3
13245	M1O	04-031/15:56:02.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-031/15:44:29.4
13246	M1O	04-031/15:56:03.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-031/15:44:29.6
13247	M1O	04-031/15:56:04.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-031/15:44:30.7
13248	M1O	04-031/15:56:05.4		CALL, Engine = , Parameters = 56	get_coding	04-031/15:44:31.9
13249	M1O	04-031/15:56:06.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-031/15:44:33.1
13250	M1O	04-031/15:56:07.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-031/15:44:34.3
13251	M1O	04-031/15:56:39.5		NOTE: Ascending Node Crossing 9452		04-031/15:45:06.0
13252	M1O	04-031/15:57:12.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-031/15:45:39.1
13253	M1O	04-031/15:57:13.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-031/15:45:40.1
13254	M1O	04-031/15:57:14.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-031/15:45:41.1
13255	M1O	04-031/15:57:15.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-031/15:45:42.1
13256	M1O	04-031/15:57:16.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-031/15:45:43.1
13257	M1O	04-031/15:57:17.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-031/15:45:44.1
13258	M1O	04-031/15:57:18.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-031/15:45:45.1
13259	M1O	04-031/16:06:58.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-031/15:55:24.4
13260	M1O	04-031/16:06:59.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-031/15:55:25.5
13261	M1O	04-031/16:07:09.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-031/15:55:35.5
13262	M1O	04-031/16:07:10.1		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	04-031/15:55:36.5
13263	M1O	04-031/16:10:18.9		NOTE: Exit Solar Eclipse 9452		04-031/15:58:45.3
13264	M1O	04-031/16:24:29.7		NOTE: Apoapsis 9452 -		04-031/16:12:56.1
13265	M1O	04-031/16:26:39.1		NOTE: North Pole Crossing 9452		04-031/16:15:05.4
13266	M1O	04-031/16:31:09.3		NOTE: Enter Planetary Atmosphere 9452		04-031/16:19:35.6
13267	M1O	04-031/16:37:02.6		NOTE: Exit Planetary Atmosphere 9452		04-031/16:25:29.0
13268	M1O	04-031/16:56:34.9		NOTE: Descending Node Crossing 9453		04-031/16:45:01.2
13269	M1O	04-031/17:00:00.0	14	Begin Pre-Cal		
13270	M1O	04-031/17:00:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13271	M1O	04-031/17:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13272	M1O	04-031/17:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13273	M1O	04-031/17:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13274	M1O	04-031/17:00:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
13275	M1O	04-031/17:00:00.0	14	Config: RCV: Parms:		
13276	M1O	04-031/17:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
13277	M1O	04-031/17:00:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
13278	M1O	04-031/17:00:00.0	14	Config: TXL		
13279	M1O	04-031/17:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
13280	M1O	04-031/17:00:00.0	14	Config: CMD		
13281	M1O	04-031/17:00:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
13282	M1O	04-031/17:24:35.2		NOTE: Periapsis 9453 ----------		04-031/17:13:01.4
13283	M1O	04-031/17:25:52.0		NOTE: South Pole Crossing 9453		04-031/17:14:18.2
13284	M1O	04-031/17:47:17.8		SPAWN, Engine = 65535, Parameters = 031, 04, FALSE, 00:19:32.309, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-031/17:35:44.0
13285	M1O	04-031/17:47:18.9		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	04-031/17:35:45.1
13286	M1O	04-031/17:47:20.9		CALL, Engine = , Parameters = 56	get_cmd_opt	04-031/17:35:47.1
13287	M1O	04-031/17:48:03.1		CALL, Engine = , Parameters = 56	get_apid	04-031/17:36:29.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13288	M1O	04-031/17:48:04.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-031/17:36:30.4
13289	M1O	04-031/17:48:04.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-031/17:36:30.6
13290	M1O	04-031/17:48:05.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-031/17:36:31.7
13291	M1O	04-031/17:48:06.7		CALL, Engine = , Parameters = 56	get_coding	04-031/17:36:32.9
13292	M1O	04-031/17:48:07.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-031/17:36:34.1
13293	M1O	04-031/17:48:09.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-031/17:36:35.3
13294	M1O	04-031/17:49:13.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-031/17:37:40.1
13295	M1O	04-031/17:49:14.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-031/17:37:41.1
13296	M1O	04-031/17:49:15.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-031/17:37:42.1
13297	M1O	04-031/17:49:16.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-031/17:37:43.1
13298	M1O	04-031/17:49:17.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-031/17:37:44.1
13299	M1O	04-031/17:49:18.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-031/17:37:45.1
13300	M1O	04-031/17:49:19.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-031/17:37:46.1
13301	M1O	04-031/17:53:43.3		NOTE: Enter Solar Eclipse 9453		04-031/17:42:09.4
13302	M1O	04-031/17:55:12.3		NOTE: Ascending Node Crossing 9453		04-031/17:43:38.4
13303	M1O	04-031/18:08:48.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-031/17:57:14.4
13304	M1O	04-031/18:08:49.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-031/17:57:15.5
13305	M1O	04-031/18:08:54.7		NOTE: Exit Solar Eclipse 9453		04-031/17:57:20.7
13306	M1O	04-031/18:08:59.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-031/17:57:25.5
13307	M1O	04-031/18:09:00.4		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	04-031/17:57:26.5
13308	M1O	04-031/18:23:11.7		NOTE: Apoapsis 9453 -		04-031/18:11:37.8
13309	M1O	04-031/18:25:11.0		NOTE: North Pole Crossing 9453		04-031/18:13:37.0
13310	M1O	04-031/18:29:29.1		NOTE: Enter Planetary Atmosphere 9453		04-031/18:17:55.1
13311	M1O	04-031/18:35:43.3		NOTE: Exit Planetary Atmosphere 9453		04-031/18:24:09.3
13312	M1O	04-031/18:54:59.0	65	NOTE: X-Band Transmitter Off in 15 minutes		
13313	M1O	04-031/18:55:06.3		NOTE: Descending Node Crossing 9454		04-031/18:43:32.2
13314	M1O	04-031/18:56:51.7	65	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
13315	M1O	04-031/19:00:00.0	14	Begin Tracking		
13316	M1O	04-031/19:00:00.0	14	Acquire D/L: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13317	M1O	04-031/19:07:57.0	14	NOTE: Above Uplink Interlock Limit		
13318	M1O	04-031/19:09:59.0	65	X-Band Transmitter Off		
13319	M1O	04-031/19:10:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13320	M1O	04-031/19:15:00.0	14	Range Modulation On: SUP=3.0dB		
13321	M1O	04-031/19:16:00.0	14	Begin Ranging Acquisition		
13322	M1O	04-031/19:20:00.0	63	End Tracking		
13323	M1O	04-031/19:20:00.0	63	End Post-Cal		
13324	M1O	04-031/19:20:00.0	65	End Tracking		
13325	M1O	04-031/19:23:01.7		NOTE: Periapsis 9454 ----------		04-031/19:11:27.6
13326	M1O	04-031/19:24:22.4		NOTE: South Pole Crossing 9454		04-031/19:12:48.2
13327	M1O	04-031/19:32:05.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:01, 1	dpt	04-031/19:20:30.8
13328	M1O	04-031/19:32:07.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/19:20:32.9
13329	M1O	04-031/19:32:07.1	14	D/L Change: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13330	M1O	04-031/19:32:08.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-031/19:20:33.9
13331	M1O	04-031/19:33:07.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13332	M1O	04-031/19:33:08.2	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
13333	M1O	04-031/19:35:00.0	65	End Post-Cal		
13334	M1O	04-031/19:38:08.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/19:26:33.9
13335	M1O	04-031/19:38:08.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13336	M1O	04-031/19:38:09.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-031/19:26:34.9
13337	M1O	04-031/19:52:13.7		NOTE: Enter Solar Eclipse 9454		04-031/19:40:39.4
13338	M1O	04-031/19:53:42.1		NOTE: Ascending Node Crossing 9454		04-031/19:42:07.8
13339	M1O	04-031/20:07:20.9		NOTE: Exit Solar Eclipse 9454		04-031/19:55:46.6
13340	M1O	04-031/20:21:37.0		NOTE: Apoapsis 9454 -		04-031/20:10:02.6
13341	M1O	04-031/20:23:41.8		NOTE: North Pole Crossing 9454		04-031/20:12:07.5
13342	M1O	04-031/20:28:14.7		NOTE: Enter Planetary Atmosphere 9454		04-031/20:16:40.3
13343	M1O	04-031/20:34:00.8		NOTE: Exit Planetary Atmosphere 9454		04-031/20:22:26.4
13344	M1O	04-031/20:53:37.8		NOTE: Descending Node Crossing 9455		04-031/20:42:03.3
13345	M1O	04-031/21:21:12.0		NOTE: Periapsis 9455 ----------		04-031/21:09:37.4
13346	M1O	04-031/21:22:53.9		NOTE: South Pole Crossing 9455		04-031/21:11:19.3
13347	M1O	04-031/21:39:59.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
13348	M1O	04-031/21:49:59.0	14	Range Modulation Off		
13349	M1O	04-031/21:50:49.3		NOTE: Enter Solar Eclipse 9455		04-031/21:39:14.6
13350	M1O	04-031/21:52:14.4		NOTE: Ascending Node Crossing 9455		04-031/21:40:39.7
13351	M1O	04-031/21:54:59.0	14	X-Band Transmitter Off		
13352	M1O	04-031/22:05:45.8		NOTE: Exit Solar Eclipse 9455		04-031/21:54:11.1
13353	M1O	04-031/22:17:05.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-031/22:05:30.8
13354	M1O	04-031/22:17:07.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/22:05:32.9
13355	M1O	04-031/22:17:07.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13356	M1O	04-031/22:17:08.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-031/22:05:33.9
13357	M1O	04-031/22:18:08.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13358	M1O	04-031/22:19:53.8		NOTE: Apoapsis 9455 -		04-031/22:08:19.1
13359	M1O	04-031/22:22:15.1		NOTE: North Pole Crossing 9455		04-031/22:10:40.3
13360	M1O	04-031/22:23:07.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/22:11:32.9
13361	M1O	04-031/22:23:07.6	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13362	M1O	04-031/22:23:08.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-031/22:11:33.9
13363	M1O	04-031/22:27:16.3		NOTE: Enter Planetary Atmosphere 9455		04-031/22:15:41.5
13364	M1O	04-031/22:32:08.8		NOTE: Exit Planetary Atmosphere 9455		04-031/22:20:34.0
13365	M1O	04-031/22:48:42.8		SPAWN, Engine = 65535, Parameters = 031, 04, FALSE, 00:14:26.318, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-031/22:37:08.0
13366	M1O	04-031/22:48:43.9		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	04-031/22:37:09.1
13367	M1O	04-031/22:48:45.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-031/22:37:11.1
13368	M1O	04-031/22:49:28.1		CALL, Engine = , Parameters = 254	get_apid	04-031/22:37:53.3
13369	M1O	04-031/22:49:29.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-031/22:37:54.4
13370	M1O	04-031/22:49:29.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-031/22:37:54.6
13371	M1O	04-031/22:49:30.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-031/22:37:55.7
13372	M1O	04-031/22:49:31.8		CALL, Engine = , Parameters = 254	get_coding	04-031/22:37:57.0
13373	M1O	04-031/22:49:33.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-031/22:37:58.2
13374	M1O	04-031/22:49:34.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-031/22:37:59.4
13375	M1O	04-031/22:50:39.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-031/22:39:04.2
13376	M1O	04-031/22:50:40.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-031/22:39:05.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13377	M1O	04-031/22:50:41.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-031/22:39:06.2
13378	M1O	04-031/22:50:42.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-031/22:39:07.2
13379	M1O	04-031/22:50:43.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-031/22:39:08.2
13380	M1O	04-031/22:50:44.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-031/22:39:09.2
13381	M1O	04-031/22:50:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-031/22:39:10.2
13382	M1O	04-031/22:52:11.7		NOTE: Descending Node Crossing 9456		04-031/22:40:36.8
13383	M1O	04-031/23:05:07.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-031/22:53:32.5
13384	M1O	04-031/23:05:08.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-031/22:53:33.6
13385	M1O	04-031/23:05:18.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-031/22:53:43.6
13386	M1O	04-031/23:05:19.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-031/22:53:44.6
13387	M1O	04-031/23:10:00.0	26	Begin Pre-Cal		
13388	M1O	04-031/23:10:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13389	M1O	04-031/23:10:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13390	M1O	04-031/23:10:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13391	M1O	04-031/23:10:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13392	M1O	04-031/23:10:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
13393	M1O	04-031/23:10:00.0	26	Config: RCV: Parms:		
13394	M1O	04-031/23:10:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
13395	M1O	04-031/23:10:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
13396	M1O	04-031/23:10:00.0	26	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
13397	M1O	04-031/23:19:52.5		NOTE: Periapsis 9456 ----------		04-031/23:08:17.6
13398	M1O	04-031/23:21:29.2		NOTE: South Pole Crossing 9456		04-031/23:09:54.3
13399	M1O	04-031/23:39:19.9		SPAWN, Engine = 65535, Parameters = 031, 03, TRUE, 00:18:43, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-031/23:27:45.0
13400	M1O	04-031/23:39:21.0		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	04-031/23:27:46.1
13401	M1O	04-031/23:39:23.0		CALL, Engine = , Parameters = 253	get_cmd_opt	04-031/23:27:48.1
13402	M1O	04-031/23:39:23.3		CALL, Engine = , Parameters = 031, 03, 253	bld_autosw	04-031/23:27:48.4
13403	M1O	04-031/23:39:24.4		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-031/23:27:49.5
13404	M1O	04-031/23:39:25.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:27:50.6
13405	M1O	04-031/23:39:26.6		Deletes the designated file.: d:/dat/253_doy031_pass03_file01.dat	FILE_DELETE	04-031/23:27:51.6
13406	M1O	04-031/23:39:27.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:27:52.7
13407	M1O	04-031/23:39:28.7		Deletes the designated file.: d:/dat/253_doy031_pass03_file02.dat	FILE_DELETE	04-031/23:27:53.7
13408	M1O	04-031/23:39:29.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:27:54.8
13409	M1O	04-031/23:39:30.8		Deletes the designated file.: d:/dat/253_doy031_pass03_file03.dat	FILE_DELETE	04-031/23:27:55.8
13410	M1O	04-031/23:39:31.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:27:56.9
13411	M1O	04-031/23:39:32.9		Deletes the designated file.: d:/dat/253_doy031_pass03_file04.dat	FILE_DELETE	04-031/23:27:57.9
13412	M1O	04-031/23:39:34.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:27:59.0
13413	M1O	04-031/23:39:35.0		Deletes the designated file.: d:/dat/253_doy031_pass03_file05.dat	FILE_DELETE	04-031/23:28:00.0
13414	M1O	04-031/23:39:36.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:01.1
13415	M1O	04-031/23:39:37.1		Deletes the designated file.: d:/dat/253_doy031_pass03_file06.dat	FILE_DELETE	04-031/23:28:02.1
13416	M1O	04-031/23:39:38.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:03.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13417	M1O	04-031/23:39:39.2		Deletes the designated file.: d:/dat/253_doy031_pass03_file07.dat	FILE_DELETE	04-031/23:28:04.2
13418	M1O	04-031/23:39:40.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:05.3
13419	M1O	04-031/23:39:41.3		Deletes the designated file.: d:/dat/253_doy031_pass03_file08.dat	FILE_DELETE	04-031/23:28:06.3
13420	M1O	04-031/23:39:42.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:07.4
13421	M1O	04-031/23:39:43.4		Deletes the designated file.: d:/dat/253_doy031_pass03_file09.dat	FILE_DELETE	04-031/23:28:08.4
13422	M1O	04-031/23:39:44.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:09.5
13423	M1O	04-031/23:39:45.5		Deletes the designated file.: d:/dat/253_doy031_pass03_file10.dat	FILE_DELETE	04-031/23:28:10.5
13424	M1O	04-031/23:39:46.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:11.6
13425	M1O	04-031/23:39:47.6		Deletes the designated file.: d:/dat/253_doy031_pass03_file11.dat	FILE_DELETE	04-031/23:28:12.6
13426	M1O	04-031/23:39:48.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:13.7
13427	M1O	04-031/23:39:49.7		Deletes the designated file.: d:/dat/253_doy031_pass03_file12.dat	FILE_DELETE	04-031/23:28:14.7
13428	M1O	04-031/23:39:50.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:15.8
13429	M1O	04-031/23:39:51.8		Deletes the designated file.: d:/dat/253_doy031_pass03_file13.dat	FILE_DELETE	04-031/23:28:16.8
13430	M1O	04-031/23:39:52.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:17.9
13431	M1O	04-031/23:39:53.9		Deletes the designated file.: d:/dat/253_doy031_pass03_file14.dat	FILE_DELETE	04-031/23:28:18.9
13432	M1O	04-031/23:39:55.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:20.0
13433	M1O	04-031/23:39:56.0		Deletes the designated file.: d:/dat/253_doy031_pass03_file15.dat	FILE_DELETE	04-031/23:28:21.0
13434	M1O	04-031/23:39:57.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:22.1
13435	M1O	04-031/23:39:58.1		Deletes the designated file.: d:/dat/253_doy031_pass03_file16.dat	FILE_DELETE	04-031/23:28:23.1
13436	M1O	04-031/23:39:59.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:24.2
13437	M1O	04-031/23:40:00.0	26	Begin Tracking		
13438	M1O	04-031/23:40:00.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13439	M1O	04-031/23:40:00.2		Deletes the designated file.: d:/dat/253_doy031_pass03_file17.dat	FILE_DELETE	04-031/23:28:25.2
13440	M1O	04-031/23:40:01.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:26.3
13441	M1O	04-031/23:40:02.3		Deletes the designated file.: d:/dat/253_doy031_pass03_file18.dat	FILE_DELETE	04-031/23:28:27.3
13442	M1O	04-031/23:40:03.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy031_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-031/23:28:28.4
13443	M1O	04-031/23:40:04.4		Deletes the designated file.: d:/dat/253_doy031_pass03_file19.dat	FILE_DELETE	04-031/23:28:29.4
13444	M1O	04-031/23:40:05.4		CALL, Engine = , Parameters = 253	get_apid	04-031/23:28:30.4
13445	M1O	04-031/23:40:06.5		CALL, Engine = , Parameters = 253	get_rcv_mode	04-031/23:28:31.5
13446	M1O	04-031/23:40:06.7		CALL, Engine = , Parameters = 253	get_dl_rate	04-031/23:28:31.7
13447	M1O	04-031/23:40:07.8		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-031/23:28:32.8
13448	M1O	04-031/23:40:09.1		CALL, Engine = , Parameters = 253	get_coding	04-031/23:28:34.1
13449	M1O	04-031/23:40:10.3		CALL, Engine = , Parameters = 253	get_xmt_mode	04-031/23:28:35.3
13450	M1O	04-031/23:40:11.5		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-031/23:28:36.5
13451	M1O	04-031/23:41:16.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-031/23:29:41.3
13452	M1O	04-031/23:41:17.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-031/23:29:42.3
13453	M1O	04-031/23:41:18.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-031/23:29:43.3
13454	M1O	04-031/23:41:19.3		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-031/23:29:44.3
13455	M1O	04-031/23:41:20.3		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-031/23:29:45.3
13456	M1O	04-031/23:41:21.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-031/23:29:46.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13457	M1O	04-031/23:41:22.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-031/23:29:47.3
13458	M1O	04-031/23:43:12.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/23:31:37.3
13459	M1O	04-031/23:43:12.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13460	M1O	04-031/23:43:12.3	26	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13461	M1O	04-031/23:43:17.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-031/23:31:42.5
13462	M1O	04-031/23:43:22.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-031/23:31:47.3
13463	M1O	04-031/23:49:26.6		NOTE: Enter Solar Eclipse 9456		04-031/23:37:51.6
13464	M1O	04-031/23:50:50.7		NOTE: Ascending Node Crossing 9456		04-031/23:39:15.7
13465	M1O	04-032/00:00:00.0		Light Time: OWLT = 11:35, RTLT = 23:10		
13466	M1O	04-032/00:00:03.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-031/23:48:28.3
13467	M1O	04-032/00:00:04.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-031/23:48:29.4
13468	M1O	04-032/00:00:14.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-031/23:48:39.4
13469	M1O	04-032/00:00:15.4		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	04-031/23:48:40.4
13470	M1O	04-032/00:00:16.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-031/23:48:41.4
13471	M1O	04-032/00:00:16.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13472	M1O	04-032/00:00:16.4	26	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13473	M1O	04-032/00:00:17.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-031/23:48:42.4
13474	M1O	04-032/00:04:19.3		NOTE: Exit Solar Eclipse 9456		04-031/23:52:44.2
13475	M1O	04-032/00:05:16.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-031/23:53:41.0
13476	M1O	04-032/00:05:16.0	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13477	M1O	04-032/00:05:16.0	26	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13478	M1O	04-032/00:18:42.7		NOTE: Apoapsis 9456 -		04-032/00:07:07.5
13479	M1O	04-032/00:20:51.0		NOTE: North Pole Crossing 9456		04-032/00:09:15.9
13480	M1O	04-032/00:26:05.9		NOTE: Enter Planetary Atmosphere 9456		04-032/00:14:30.8
13481	M1O	04-032/00:30:30.2		NOTE: Exit Planetary Atmosphere 9456		04-032/00:18:55.1
13482	M1O	04-032/00:44:00.2		SPAWN, Engine = 65535, Parameters = 032, 01, TRUE, 00:18:18, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-032/00:32:25.0
13483	M1O	04-032/00:44:01.3		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	04-032/00:32:26.1
13484	M1O	04-032/00:44:03.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-032/00:32:28.1
13485	M1O	04-032/00:44:03.6		CALL, Engine = , Parameters = 032, 01, 254	bld_autosw	04-032/00:32:28.4
13486	M1O	04-032/00:44:04.7		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	04-032/00:32:29.5
13487	M1O	04-032/00:44:05.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:30.6
13488	M1O	04-032/00:44:06.8		Deletes the designated file.: d:/dat/254_doy032_pass01_file01.dat	FILE_DELETE	04-032/00:32:31.6
13489	M1O	04-032/00:44:07.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:32.7
13490	M1O	04-032/00:44:08.9		Deletes the designated file.: d:/dat/254_doy032_pass01_file02.dat	FILE_DELETE	04-032/00:32:33.7
13491	M1O	04-032/00:44:10.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:34.8
13492	M1O	04-032/00:44:11.0		Deletes the designated file.: d:/dat/254_doy032_pass01_file03.dat	FILE_DELETE	04-032/00:32:35.8
13493	M1O	04-032/00:44:12.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:36.9
13494	M1O	04-032/00:44:13.1		Deletes the designated file.: d:/dat/254_doy032_pass01_file04.dat	FILE_DELETE	04-032/00:32:37.9
13495	M1O	04-032/00:44:14.2		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-032/00:32:39.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy032_pass01_file05.dat, d:/dat/autoswitch.dat		
13496	M1O	04-032/00:44:15.2		Deletes the designated file.: d:/dat/254_doy032_pass01_file05.dat	FILE_DELETE	04-032/00:32:40.0
13497	M1O	04-032/00:44:16.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:41.1
13498	M1O	04-032/00:44:17.3		Deletes the designated file.: d:/dat/254_doy032_pass01_file06.dat	FILE_DELETE	04-032/00:32:42.1
13499	M1O	04-032/00:44:18.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:43.2
13500	M1O	04-032/00:44:19.4		Deletes the designated file.: d:/dat/254_doy032_pass01_file07.dat	FILE_DELETE	04-032/00:32:44.2
13501	M1O	04-032/00:44:20.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:45.3
13502	M1O	04-032/00:44:21.5		Deletes the designated file.: d:/dat/254_doy032_pass01_file08.dat	FILE_DELETE	04-032/00:32:46.3
13503	M1O	04-032/00:44:22.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:47.4
13504	M1O	04-032/00:44:23.6		Deletes the designated file.: d:/dat/254_doy032_pass01_file09.dat	FILE_DELETE	04-032/00:32:48.4
13505	M1O	04-032/00:44:24.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:49.5
13506	M1O	04-032/00:44:25.7		Deletes the designated file.: d:/dat/254_doy032_pass01_file10.dat	FILE_DELETE	04-032/00:32:50.5
13507	M1O	04-032/00:44:26.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:51.6
13508	M1O	04-032/00:44:27.8		Deletes the designated file.: d:/dat/254_doy032_pass01_file11.dat	FILE_DELETE	04-032/00:32:52.6
13509	M1O	04-032/00:44:28.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:53.7
13510	M1O	04-032/00:44:29.9		Deletes the designated file.: d:/dat/254_doy032_pass01_file12.dat	FILE_DELETE	04-032/00:32:54.7
13511	M1O	04-032/00:44:31.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:55.8
13512	M1O	04-032/00:44:32.0		Deletes the designated file.: d:/dat/254_doy032_pass01_file13.dat	FILE_DELETE	04-032/00:32:56.8
13513	M1O	04-032/00:44:33.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:32:57.9
13514	M1O	04-032/00:44:34.1		Deletes the designated file.: d:/dat/254_doy032_pass01_file14.dat	FILE_DELETE	04-032/00:32:58.9
13515	M1O	04-032/00:44:35.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:33:00.0
13516	M1O	04-032/00:44:36.2		Deletes the designated file.: d:/dat/254_doy032_pass01_file15.dat	FILE_DELETE	04-032/00:33:01.0
13517	M1O	04-032/00:44:37.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:33:02.1
13518	M1O	04-032/00:44:38.3		Deletes the designated file.: d:/dat/254_doy032_pass01_file16.dat	FILE_DELETE	04-032/00:33:03.1
13519	M1O	04-032/00:44:39.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:33:04.2
13520	M1O	04-032/00:44:40.4		Deletes the designated file.: d:/dat/254_doy032_pass01_file17.dat	FILE_DELETE	04-032/00:33:05.2
13521	M1O	04-032/00:44:41.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:33:06.3
13522	M1O	04-032/00:44:42.5		Deletes the designated file.: d:/dat/254_doy032_pass01_file18.dat	FILE_DELETE	04-032/00:33:07.3
13523	M1O	04-032/00:44:43.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/00:33:08.4
13524	M1O	04-032/00:44:44.6		Deletes the designated file.: d:/dat/254_doy032_pass01_file19.dat	FILE_DELETE	04-032/00:33:09.4
13525	M1O	04-032/00:44:45.6		CALL, Engine = , Parameters = 254	get_apid	04-032/00:33:10.4
13526	M1O	04-032/00:44:46.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-032/00:33:11.5
13527	M1O	04-032/00:44:46.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-032/00:33:11.7
13528	M1O	04-032/00:44:48.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-032/00:33:12.8
13529	M1O	04-032/00:44:49.3		CALL, Engine = , Parameters = 254	get_coding	04-032/00:33:14.1
13530	M1O	04-032/00:44:50.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-032/00:33:15.3
13531	M1O	04-032/00:44:51.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-032/00:33:16.5
13532	M1O	04-032/00:45:56.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-032/00:34:21.3
13533	M1O	04-032/00:45:57.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-032/00:34:22.3
13534	M1O	04-032/00:45:58.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-032/00:34:23.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13535	M1O	04-032/00:45:59.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-032/00:34:24.3
13536	M1O	04-032/00:46:00.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-032/00:34:25.3
13537	M1O	04-032/00:46:01.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-032/00:34:26.3
13538	M1O	04-032/00:46:02.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-032/00:34:27.3
13539	M1O	04-032/00:47:52.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/00:36:17.3
13540	M1O	04-032/00:47:52.5	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13541	M1O	04-032/00:47:52.5	26	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13542	M1O	04-032/00:47:57.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/00:36:22.5
13543	M1O	04-032/00:48:02.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-032/00:36:27.3
13544	M1O	04-032/00:50:47.6		NOTE: Descending Node Crossing 9457		04-032/00:39:12.3
13545	M1O	04-032/00:51:50.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-032/00:40:15.0
13546	M1O	04-032/00:52:06.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-030T00:40:15.100, 2004-032T00:40:15.100	PCKTS_RE_TX_TIME	04-032/00:40:30.8
13547	M1O	04-032/00:52:07.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-030T00:40:15.100, 2004-032T00:40:15.100	PCKTS_RE_TX_TIME	04-032/00:40:31.8
13548	M1O	04-032/00:52:08.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-030T00:40:15.100, 2004-032T00:40:15.100	PCKTS_RE_TX_TIME	04-032/00:40:32.8
13549	M1O	04-032/00:52:09.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-030T00:40:15.100, 2004-032T00:40:15.100	PCKTS_RE_TX_TIME	04-032/00:40:33.8
13550	M1O	04-032/00:52:10.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-030T00:40:15.100, 2004-032T00:40:15.100	PCKTS_RE_TX_TIME	04-032/00:40:34.8
13551	M1O	04-032/00:52:11.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-030T00:40:15.100, 2004-032T00:40:15.100	PCKTS_RE_TX_TIME	04-032/00:40:35.8
13552	M1O	04-032/00:52:11.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-032/00:40:35.8
13553	M1O	04-032/00:52:11.0	14	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13554	M1O	04-032/00:52:11.0	26	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13555	M1O	04-032/00:52:12.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/00:40:36.8
13556	M1O	04-032/00:52:12.0	14	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13557	M1O	04-032/00:52:12.0	26	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13558	M1O	04-032/00:59:12.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/00:47:36.8
13559	M1O	04-032/00:59:13.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-032/00:47:37.8
13560	M1O	04-032/00:59:29.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-032/00:47:53.8
13561	M1O	04-032/00:59:29.0	14	D/L RF Warning: SC antenna change - expect signal level variation		
13562	M1O	04-032/00:59:29.0	26	D/L RF Warning: SC antenna change - expect signal level variation		
13563	M1O	04-032/00:59:30.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-032/00:47:54.8
13564	M1O	04-032/01:00:00.0	14	End Tracking		
13565	M1O	04-032/01:00:00.1		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-032/00:48:24.8
13566	M1O	04-032/01:00:00.1		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	04-032/00:48:24.8
13567	M1O	04-032/01:00:00.1	26	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13568	M1O	04-032/01:00:06.1		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-032/00:48:30.8
13569	M1O	04-032/01:00:06.1	26	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13570	M1O	04-032/01:03:48.2		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-032/00:52:13.0
13571	M1O	04-032/01:03:48.3		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-032/00:52:13.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13572	M1O	04-032/01:03:49.3		Forces a desaturation of the reaction wheels.	RW_DESAT	04-032/00:52:14.1
13573	M1O	04-032/01:04:18.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-032/00:52:43.3
13574	M1O	04-032/01:04:19.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-032/00:52:44.4
13575	M1O	04-032/01:04:29.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-032/00:52:54.4
13576	M1O	04-032/01:04:30.6		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	04-032/00:52:55.4
13577	M1O	04-032/01:04:31.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-032/00:52:56.4
13578	M1O	04-032/01:04:32.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-032/00:52:57.4
13579	M1O	04-032/01:15:00.0	14	End Post-Cal		
13580	M1O	04-032/01:15:19.4		CALL, Engine = , Parameters = FALSE	park_hga	04-032/01:03:44.1
13581	M1O	04-032/01:15:19.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/01:03:44.1
13582	M1O	04-032/01:15:20.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-032/01:03:45.1
13583	M1O	04-032/01:15:21.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-032/01:03:46.1
13584	M1O	04-032/01:15:21.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-032/01:03:46.1
13585	M1O	04-032/01:15:21.4		NOTE: START HGA PARK		
13586	M1O	04-032/01:15:21.4	26	NOTE: Loss Of X-Band Signal		
13587	M1O	04-032/01:15:22.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-032/01:03:47.1
13588	M1O	04-032/01:15:23.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-032/01:03:48.1
13589	M1O	04-032/01:18:53.2		NOTE: Periapsis 9457 ----------		04-032/01:07:17.9
13590	M1O	04-032/01:19:53.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-032/01:08:18.1
13591	M1O	04-032/01:20:06.0		NOTE: South Pole Crossing 9457		04-032/01:08:30.6
13592	M1O	04-032/01:23:23.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-032/01:11:48.1
13593	M1O	04-032/01:23:23.4		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-032/01:11:48.1
13594	M1O	04-032/01:39:09.3		SPAWN, Engine = 65535, Parameters = 032, 01, FALSE, 00:13:44.200, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-032/01:27:34.0
13595	M1O	04-032/01:39:10.4		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	04-032/01:27:35.1
13596	M1O	04-032/01:39:12.4		CALL, Engine = , Parameters = 253	get_cmd_opt	04-032/01:27:37.1
13597	M1O	04-032/01:39:54.6		CALL, Engine = , Parameters = 253	get_apid	04-032/01:28:19.3
13598	M1O	04-032/01:39:55.7		CALL, Engine = , Parameters = 253	get_rcv_mode	04-032/01:28:20.4
13599	M1O	04-032/01:39:55.9		CALL, Engine = , Parameters = 253	get_dl_rate	04-032/01:28:20.6
13600	M1O	04-032/01:39:57.0		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-032/01:28:21.7
13601	M1O	04-032/01:39:58.3		CALL, Engine = , Parameters = 253	get_coding	04-032/01:28:23.0
13602	M1O	04-032/01:39:59.5		CALL, Engine = , Parameters = 253	get_xmt_mode	04-032/01:28:24.2
13603	M1O	04-032/01:40:00.7		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-032/01:28:25.4
13604	M1O	04-032/01:41:05.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-032/01:29:30.2
13605	M1O	04-032/01:41:06.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-032/01:29:31.2
13606	M1O	04-032/01:41:07.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-032/01:29:32.2
13607	M1O	04-032/01:41:08.5		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-032/01:29:33.2
13608	M1O	04-032/01:41:09.5		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-032/01:29:34.2
13609	M1O	04-032/01:41:10.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-032/01:29:35.2
13610	M1O	04-032/01:41:11.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-032/01:29:36.2
13611	M1O	04-032/01:48:01.5		NOTE: Enter Solar Eclipse 9457		04-032/01:36:26.1
13612	M1O	04-032/01:49:27.5		NOTE: Ascending Node Crossing 9457		04-032/01:37:52.1
13613	M1O	04-032/01:53:23.4		GV: GV_DESAT_ACTIVE = 1		04-032/01:41:48.0
13614	M1O	04-032/01:53:24.4		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-032/01:41:49.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_desat_start.cfg		
13615	M1O	04-032/01:53:24.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-032/01:41:49.0
13616	M1O	04-032/01:54:51.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-032/01:43:16.4
13617	M1O	04-032/01:54:52.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-032/01:43:17.5
13618	M1O	04-032/01:55:02.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-032/01:43:27.5
13619	M1O	04-032/01:55:03.9		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	04-032/01:43:28.5
13620	M1O	04-032/02:02:56.6		NOTE: Exit Solar Eclipse 9457		04-032/01:51:21.1
13621	M1O	04-032/02:03:23.4		GV: GV_DESAT_ACTIVE = 0		04-032/01:51:48.0
13622	M1O	04-032/02:03:24.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-032/01:51:49.0
13623	M1O	04-032/02:03:25.4		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-032/01:51:50.0
13624	M1O	04-032/02:03:26.4		CALL, Engine = , Parameters =	unpark_hga	04-032/01:51:51.0
13625	M1O	04-032/02:03:26.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-032/01:51:51.0
13626	M1O	04-032/02:03:27.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-032/01:51:52.0
13627	M1O	04-032/02:07:57.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-032/01:56:22.0
13628	M1O	04-032/02:07:58.4		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-032/01:56:23.0
13629	M1O	04-032/02:11:23.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-032/01:59:48.0
13630	M1O	04-032/02:11:23.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/01:59:48.1
13631	M1O	04-032/02:11:24.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-032/01:59:49.1
13632	M1O	04-032/02:11:25.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-032/01:59:50.1
13633	M1O	04-032/02:11:26.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-032/01:59:51.1
13634	M1O	04-032/02:11:27.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-032/01:59:52.1
13635	M1O	04-032/02:11:37.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-032/02:00:02.1
13636	M1O	04-032/02:11:47.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-032/02:00:12.1
13637	M1O	04-032/02:11:58.4		NOTE: EXIT HGA PARK		
13638	M1O	04-032/02:11:58.4	26	Acquisition Of X-Band Signal		
13639	M1O	04-032/02:11:58.4	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13640	M1O	04-032/02:16:47.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-032/02:05:12.1
13641	M1O	04-032/02:16:48.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-032/02:05:13.1
13642	M1O	04-032/02:16:48.6	26	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13643	M1O	04-032/02:16:49.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-032/02:05:14.1
13644	M1O	04-032/02:17:49.4		NOTE: Apoapsis 9457 -		04-032/02:06:13.9
13645	M1O	04-032/02:19:27.3		NOTE: North Pole Crossing 9457		04-032/02:07:51.8
13646	M1O	04-032/02:24:46.2		NOTE: Enter Planetary Atmosphere 9457		04-032/02:13:10.7
13647	M1O	04-032/02:29:00.5		NOTE: Exit Planetary Atmosphere 9457		04-032/02:17:25.0
13648	M1O	04-032/02:49:24.1		NOTE: Descending Node Crossing 9458		04-032/02:37:48.5
13649	M1O	04-032/03:17:48.1		NOTE: Periapsis 9458 ----------		04-032/03:06:12.4
13650	M1O	04-032/03:18:42.1		NOTE: South Pole Crossing 9458		04-032/03:07:06.4
13651	M1O	04-032/03:46:33.9		NOTE: Enter Solar Eclipse 9458		04-032/03:34:58.1
13652	M1O	04-032/03:48:02.6		NOTE: Ascending Node Crossing 9458		04-032/03:36:26.8
13653	M1O	04-032/04:01:33.6		NOTE: Exit Solar Eclipse 9458		04-032/03:49:57.8
13654	M1O	04-032/04:16:34.4		NOTE: Apoapsis 9458 -		04-032/04:04:58.5
13655	M1O	04-032/04:18:02.4		NOTE: North Pole Crossing 9458		04-032/04:06:26.5
13656	M1O	04-032/04:23:12.8		NOTE: Enter Planetary Atmosphere 9458		04-032/04:11:36.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13657	M1O	04-032/04:27:42.6		NOTE: Exit Planetary Atmosphere 9458		04-032/04:16:06.7
13658	M1O	04-032/04:35:45.9		SPAWN, Engine = 65535, Parameters = 032, 01, FALSE, 00:13:44.275, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-032/04:24:10.0
13659	M1O	04-032/04:35:47.0		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	04-032/04:24:11.1
13660	M1O	04-032/04:35:49.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-032/04:24:13.1
13661	M1O	04-032/04:36:31.2		CALL, Engine = , Parameters = 56	get_apid	04-032/04:24:55.3
13662	M1O	04-032/04:36:32.3		CALL, Engine = , Parameters = 56	get_rcv_mode	04-032/04:24:56.4
13663	M1O	04-032/04:36:32.5		CALL, Engine = , Parameters = 56	get_dl_rate	04-032/04:24:56.6
13664	M1O	04-032/04:36:33.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-032/04:24:57.7
13665	M1O	04-032/04:36:34.8		CALL, Engine = , Parameters = 56	get_coding	04-032/04:24:58.9
13666	M1O	04-032/04:36:36.0		CALL, Engine = , Parameters = 56	get_xmt_mode	04-032/04:25:00.1
13667	M1O	04-032/04:36:37.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-032/04:25:01.3
13668	M1O	04-032/04:37:42.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-032/04:26:06.1
13669	M1O	04-032/04:37:43.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-032/04:26:07.1
13670	M1O	04-032/04:37:44.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-032/04:26:08.1
13671	M1O	04-032/04:37:45.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-032/04:26:09.1
13672	M1O	04-032/04:37:46.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-032/04:26:10.1
13673	M1O	04-032/04:37:47.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-032/04:26:11.1
13674	M1O	04-032/04:37:48.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-032/04:26:12.1
13675	M1O	04-032/04:47:59.1		NOTE: Descending Node Crossing 9459		04-032/04:36:23.2
13676	M1O	04-032/04:51:28.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-032/04:39:52.3
13677	M1O	04-032/04:51:29.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-032/04:39:53.4
13678	M1O	04-032/04:51:39.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-032/04:40:03.4
13679	M1O	04-032/04:51:40.4		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	04-032/04:40:04.4
13680	M1O	04-032/05:16:17.7		NOTE: Periapsis 9459 ----------		04-032/05:04:41.6
13681	M1O	04-032/05:17:15.8		NOTE: South Pole Crossing 9459		04-032/05:05:39.8
13682	M1O	04-032/05:45:00.0	45	Begin Pre-Cal		
13683	M1O	04-032/05:45:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13684	M1O	04-032/05:45:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13685	M1O	04-032/05:45:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13686	M1O	04-032/05:45:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13687	M1O	04-032/05:45:00.0	45	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
13688	M1O	04-032/05:45:00.0	45	Config: RCV: Parms:		
13689	M1O	04-032/05:45:00.0	45	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
13690	M1O	04-032/05:45:00.0	45	Config: TGC: BAND=X, SR=238896.000000		
13691	M1O	04-032/05:45:00.0	45	Config: TXL		
13692	M1O	04-032/05:45:00.0	45	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
13693	M1O	04-032/05:45:00.0	45	Config: CMD		
13694	M1O	04-032/05:45:00.0	45	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
13695	M1O	04-032/05:45:05.0		NOTE: Enter Solar Eclipse 9459		04-032/05:33:28.8
13696	M1O	04-032/05:46:35.3		NOTE: Ascending Node Crossing 9459		04-032/05:34:59.1
13697	M1O	04-032/06:00:08.5		NOTE: Exit Solar Eclipse 9459		04-032/05:48:32.3
13698	M1O	04-032/06:14:48.8		NOTE: Apoapsis 9459 -		04-032/06:03:12.6
13699	M1O	04-032/06:16:34.8		NOTE: North Pole Crossing 9459		04-032/06:04:58.5
13700	M1O	04-032/06:21:29.5		NOTE: Enter Planetary Atmosphere 9459		04-032/06:09:53.3
13701	M1O	04-032/06:26:29.2		NOTE: Exit Planetary Atmosphere 9459		04-032/06:14:52.9
13702	M1O	04-032/06:28:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-032/06:17:21.7
13703	M1O	04-032/06:29:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/06:17:23.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13704	M1O	04-032/06:29:00.1	26	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13705	M1O	04-032/06:29:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-032/06:17:24.8
13706	M1O	04-032/06:30:00.0	45	Begin Tracking		
13707	M1O	04-032/06:30:00.0	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13708	M1O	04-032/06:30:06.3		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-032/06:18:30.0
13709	M1O	04-032/06:30:06.3	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13710	M1O	04-032/06:30:06.3	26	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13711	M1O	04-032/06:30:44.3		SPAWN, Engine = 65535, Parameters = 032, 02, FALSE, 00:18:48.657, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-032/06:19:08.0
13712	M1O	04-032/06:30:45.4		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	04-032/06:19:09.1
13713	M1O	04-032/06:30:47.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-032/06:19:11.1
13714	M1O	04-032/06:31:00.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13715	M1O	04-032/06:31:07.0	26	NOTE: Below Uplink Interlock Limit		
13716	M1O	04-032/06:31:29.6		CALL, Engine = , Parameters = 56	get_apid	04-032/06:19:53.3
13717	M1O	04-032/06:31:30.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-032/06:19:54.4
13718	M1O	04-032/06:31:30.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-032/06:19:54.6
13719	M1O	04-032/06:31:32.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-032/06:19:55.7
13720	M1O	04-032/06:31:33.2		CALL, Engine = , Parameters = 56	get_coding	04-032/06:19:56.9
13721	M1O	04-032/06:31:34.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-032/06:19:58.1
13722	M1O	04-032/06:31:35.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-032/06:19:59.3
13723	M1O	04-032/06:32:40.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-032/06:21:04.1
13724	M1O	04-032/06:32:41.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-032/06:21:05.1
13725	M1O	04-032/06:32:42.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-032/06:21:06.1
13726	M1O	04-032/06:32:43.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-032/06:21:07.1
13727	M1O	04-032/06:32:44.4		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-032/06:21:08.1
13728	M1O	04-032/06:32:45.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-032/06:21:09.1
13729	M1O	04-032/06:32:46.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-032/06:21:10.1
13730	M1O	04-032/06:35:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-032/06:23:23.8
13731	M1O	04-032/06:35:00.1	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13732	M1O	04-032/06:35:00.1	26	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13733	M1O	04-032/06:35:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-032/06:23:24.8
13734	M1O	04-032/06:36:00.0	45	Range Modulation On: SUP=3.0dB		
13735	M1O	04-032/06:37:00.0	45	Begin Ranging Acquisition		
13736	M1O	04-032/06:40:00.0	26	End Tracking		
13737	M1O	04-032/06:46:30.9		NOTE: Descending Node Crossing 9460		04-032/06:34:54.5
13738	M1O	04-032/06:51:31.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-032/06:39:54.7
13739	M1O	04-032/06:51:32.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-032/06:39:55.8
13740	M1O	04-032/06:51:42.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-032/06:40:05.8
13741	M1O	04-032/06:51:43.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-032/06:40:06.8
13742	M1O	04-032/06:53:10.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-032/06:41:34.1
13743	M1O	04-032/06:53:12.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/06:41:36.2
13744	M1O	04-032/06:53:12.5	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13745	M1O	04-032/06:53:13.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-032/06:41:37.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13746	M1O	04-032/06:54:12.6	45	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13747	M1O	04-032/06:55:00.0	26	End Post-Cal		
13748	M1O	04-032/06:59:12.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-032/06:47:36.2
13749	M1O	04-032/06:59:12.6	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13750	M1O	04-032/06:59:13.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-032/06:47:37.2
13751	M1O	04-032/07:11:36.4		SPAWN, Engine = 65535, Parameters =	scdiag	04-032/07:00:00.0
13752	M1O	04-032/07:11:37.5		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-032/07:00:01.1
13753	M1O	04-032/07:11:38.5		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-032/07:00:02.1
13754	M1O	04-032/07:12:39.4		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-032/07:01:03.0
13755	M1O	04-032/07:12:39.6		NOTE: Start Block fsw_diag		04-032/07:01:03.2
13756	M1O	04-032/07:12:40.6		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-032/07:01:04.2
13757	M1O	04-032/07:12:41.6		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	04-032/07:01:05.2
13758	M1O	04-032/07:12:52.6		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	04-032/07:01:16.2
13759	M1O	04-032/07:13:22.6		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-032/07:01:46.2
13760	M1O	04-032/07:13:42.6		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-032/07:02:06.2
13761	M1O	04-032/07:13:52.6		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-032/07:02:16.2
13762	M1O	04-032/07:14:12.6		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-032/07:02:36.2
13763	M1O	04-032/07:14:22.6		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-032/07:02:46.2
13764	M1O	04-032/07:14:27.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-032/07:02:51.2
13765	M1O	04-032/07:14:28.7		NOTE: Periapsis 9460 ----------		04-032/07:02:52.3
13766	M1O	04-032/07:14:32.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-032/07:02:56.2
13767	M1O	04-032/07:14:37.6		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-032/07:03:01.2
13768	M1O	04-032/07:14:42.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-032/07:03:06.2
13769	M1O	04-032/07:14:47.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-032/07:03:11.2
13770	M1O	04-032/07:15:27.6		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-032/07:03:51.2
13771	M1O	04-032/07:15:32.6		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-032/07:03:56.2
13772	M1O	04-032/07:15:37.6		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-032/07:04:01.2
13773	M1O	04-032/07:15:42.6		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-032/07:04:06.2
13774	M1O	04-032/07:15:47.0		NOTE: South Pole Crossing 9460		04-032/07:04:10.5
13775	M1O	04-032/07:15:47.6		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-032/07:04:11.2
13776	M1O	04-032/07:15:48.6		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-032/07:04:12.2
13777	M1O	04-032/07:15:49.6		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-032/07:04:13.2
13778	M1O	04-032/07:15:50.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-032/07:04:14.2
13779	M1O	04-032/07:16:01.6		NOTE: End Block fsw_diag.mod		04-032/07:04:25.2
13780	M1O	04-032/07:43:37.7		NOTE: Enter Solar Eclipse 9460		04-032/07:32:01.2
13781	M1O	04-032/07:45:06.6		NOTE: Ascending Node Crossing 9460		04-032/07:33:30.0
13782	M1O	04-032/07:58:39.1		NOTE: Exit Solar Eclipse 9460		04-032/07:47:02.5
13783	M1O	04-032/08:13:05.6		NOTE: Apoapsis 9460 -		04-032/08:01:29.0
13784	M1O	04-032/08:15:05.6		NOTE: North Pole Crossing 9460		04-032/08:03:29.0
13785	M1O	04-032/08:20:01.0		NOTE: Enter Planetary Atmosphere 9460		04-032/08:08:24.4
13786	M1O	04-032/08:24:58.1		NOTE: Exit Planetary Atmosphere 9460		04-032/08:13:21.4
13787	M1O	04-032/08:45:01.0		NOTE: Descending Node Crossing 9461		04-032/08:33:24.3
13788	M1O	04-032/09:12:49.5		NOTE: Periapsis 9461 ----------		04-032/09:01:12.7
13789	M1O	04-032/09:14:17.8		NOTE: South Pole Crossing 9461		04-032/09:02:41.0
13790	M1O	04-032/09:42:11.6		NOTE: Enter Solar Eclipse 9461		04-032/09:30:34.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13791	M1O	04-032/09:43:38.6		NOTE: Ascending Node Crossing 9461		04-032/09:32:01.7
13792	M1O	04-032/09:45:00.0	63	Begin Pre-Cal		
13793	M1O	04-032/09:45:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13794	M1O	04-032/09:45:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13795	M1O	04-032/09:45:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13796	M1O	04-032/09:45:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13797	M1O	04-032/09:45:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
13798	M1O	04-032/09:45:00.0	63	Config: RCV: Parms:		
13799	M1O	04-032/09:45:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
13800	M1O	04-032/09:45:00.0	63	Config: TGC: BAND=X, SR=79632.000000		
13801	M1O	04-032/09:45:00.0	63	Config: TXL		
13802	M1O	04-032/09:45:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
13803	M1O	04-032/09:45:00.0	63	Config: CMD		
13804	M1O	04-032/09:45:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
13805	M1O	04-032/09:57:05.0		NOTE: Exit Solar Eclipse 9461		04-032/09:45:28.1
13806	M1O	04-032/10:11:52.3		NOTE: Apoapsis 9461 -		04-032/10:00:15.3
13807	M1O	04-032/10:13:38.6		NOTE: North Pole Crossing 9461		04-032/10:02:01.6
13808	M1O	04-032/10:19:17.0		NOTE: Enter Planetary Atmosphere 9461		04-032/10:07:39.9
13809	M1O	04-032/10:22:50.2		NOTE: Exit Planetary Atmosphere 9461		04-032/10:11:13.2
13810	M1O	04-032/10:43:35.2		NOTE: Descending Node Crossing 9462		04-032/10:31:58.0
13811	M1O	04-032/11:10:00.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
13812	M1O	04-032/11:11:33.5		NOTE: Periapsis 9462 ----------		04-032/10:59:56.3
13813	M1O	04-032/11:12:52.4		NOTE: South Pole Crossing 9462		04-032/11:01:15.2
13814	M1O	04-032/11:20:00.0	45	Range Modulation Off		
13815	M1O	04-032/11:25:00.0	45	X-Band Transmitter Off		
13816	M1O	04-032/11:26:45.4	45	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
13817	M1O	04-032/11:27:45.2		SPAWN, Engine = 65535, Parameters = 032, 02, FALSE, 00:16:29.599, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-032/11:16:08.0
13818	M1O	04-032/11:27:46.3		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	04-032/11:16:09.1
13819	M1O	04-032/11:27:48.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-032/11:16:11.1
13820	M1O	04-032/11:28:30.5		CALL, Engine = , Parameters = 254	get_apid	04-032/11:16:53.3
13821	M1O	04-032/11:28:31.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-032/11:16:54.4
13822	M1O	04-032/11:28:31.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-032/11:16:54.6
13823	M1O	04-032/11:28:32.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-032/11:16:55.7
13824	M1O	04-032/11:28:34.2		CALL, Engine = , Parameters = 254	get_coding	04-032/11:16:57.0
13825	M1O	04-032/11:28:35.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-032/11:16:58.2
13826	M1O	04-032/11:28:36.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-032/11:16:59.4
13827	M1O	04-032/11:28:59.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-032/11:17:21.7
13828	M1O	04-032/11:29:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/11:17:23.8
13829	M1O	04-032/11:29:01.1	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13830	M1O	04-032/11:29:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-032/11:17:24.8
13831	M1O	04-032/11:29:41.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-032/11:18:04.2
13832	M1O	04-032/11:29:42.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-032/11:18:05.2
13833	M1O	04-032/11:29:43.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-032/11:18:06.2
13834	M1O	04-032/11:29:44.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-032/11:18:07.2
13835	M1O	04-032/11:29:45.4		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-032/11:18:08.2
13836	M1O	04-032/11:29:46.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-032/11:18:09.2
13837	M1O	04-032/11:29:47.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-032/11:18:10.2
13838	M1O	04-032/11:30:00.0	63	Begin Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13839	M1O	04-032/11:30:00.0	63	Acquire D/L: X/08, 3-Way/45, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13840	M1O	04-032/11:30:01.0		NOTE: Changing to 70M downlink rate: 110600_BPS		04-032/11:18:23.7
13841	M1O	04-032/11:30:01.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 110600_BPS	DOWNLINK_RATE	04-032/11:18:23.7
13842	M1O	04-032/11:30:01.0	45	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13843	M1O	04-032/11:30:01.0	63	D/L Change: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13844	M1O	04-032/11:32:48.0	63	NOTE: Above Uplink Interlock Limit		
13845	M1O	04-032/11:35:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13846	M1O	04-032/11:35:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-032/11:23:23.8
13847	M1O	04-032/11:35:01.1	45	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13848	M1O	04-032/11:35:01.1	63	D/L Change: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13849	M1O	04-032/11:35:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-032/11:23:24.8
13850	M1O	04-032/11:38:24.0	45	NOTE: Below Uplink Interlock Limit		
13851	M1O	04-032/11:40:00.0	63	Range Modulation On: SUP=3.0dB		
13852	M1O	04-032/11:40:46.0		NOTE: Enter Solar Eclipse 9462		04-032/11:29:08.7
13853	M1O	04-032/11:41:00.0	63	Begin Ranging Acquisition		
13854	M1O	04-032/11:42:13.2		NOTE: Ascending Node Crossing 9462		04-032/11:30:35.9
13855	M1O	04-032/11:46:13.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-032/11:34:35.7
13856	M1O	04-032/11:46:14.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-032/11:34:36.8
13857	M1O	04-032/11:46:24.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-032/11:34:46.8
13858	M1O	04-032/11:46:25.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-032/11:34:47.8
13859	M1O	04-032/11:47:11.4		SPAWN, Engine = 65535, Parameters = 3, 00:16:00, 1	dpt	04-032/11:35:34.1
13860	M1O	04-032/11:47:13.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/11:35:36.2
13861	M1O	04-032/11:47:13.5	45	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13862	M1O	04-032/11:47:13.5	63	D/L Change: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13863	M1O	04-032/11:47:14.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-032/11:35:37.2
13864	M1O	04-032/11:48:14.5	45	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13865	M1O	04-032/11:48:14.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13866	M1O	04-032/11:50:00.0	45	End Tracking		
13867	M1O	04-032/11:55:34.1		NOTE: Exit Solar Eclipse 9462		04-032/11:43:56.7
13868	M1O	04-032/11:58:14.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13869	M1O	04-032/12:03:13.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-032/11:51:36.2
13870	M1O	04-032/12:03:13.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13871	M1O	04-032/12:03:14.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-032/11:51:37.2
13872	M1O	04-032/12:05:00.0	45	End Post-Cal		
13873	M1O	04-032/12:10:33.9		NOTE: Apoapsis 9462 -		04-032/11:58:56.5
13874	M1O	04-032/12:12:14.4		NOTE: North Pole Crossing 9462		04-032/12:00:37.0
13875	M1O	04-032/12:18:45.8		NOTE: Enter Planetary Atmosphere 9462		04-032/12:07:08.4
13876	M1O	04-032/12:20:35.6		NOTE: Exit Planetary Atmosphere 9462		04-032/12:08:58.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13877	M1O	04-032/12:30:59.4		SPAWN, Engine = 65535, Parameters = 032, 02, TRUE, 00:19:23, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-032/12:19:22.0
13878	M1O	04-032/12:31:00.5		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	04-032/12:19:23.1
13879	M1O	04-032/12:31:02.5		CALL, Engine = , Parameters = 253	get_cmd_opt	04-032/12:19:25.1
13880	M1O	04-032/12:31:02.8		CALL, Engine = , Parameters = 032, 02, 253	bld_autosw	04-032/12:19:25.4
13881	M1O	04-032/12:31:03.9		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-032/12:19:26.5
13882	M1O	04-032/12:31:05.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:27.6
13883	M1O	04-032/12:31:06.0		Deletes the designated file.: d:/dat/253_doy032_pass02_file01.dat	FILE_DELETE	04-032/12:19:28.6
13884	M1O	04-032/12:31:07.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:29.7
13885	M1O	04-032/12:31:08.1		Deletes the designated file.: d:/dat/253_doy032_pass02_file02.dat	FILE_DELETE	04-032/12:19:30.7
13886	M1O	04-032/12:31:09.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:31.8
13887	M1O	04-032/12:31:10.2		Deletes the designated file.: d:/dat/253_doy032_pass02_file03.dat	FILE_DELETE	04-032/12:19:32.8
13888	M1O	04-032/12:31:11.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:33.9
13889	M1O	04-032/12:31:12.3		Deletes the designated file.: d:/dat/253_doy032_pass02_file04.dat	FILE_DELETE	04-032/12:19:34.9
13890	M1O	04-032/12:31:13.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:36.0
13891	M1O	04-032/12:31:14.4		Deletes the designated file.: d:/dat/253_doy032_pass02_file05.dat	FILE_DELETE	04-032/12:19:37.0
13892	M1O	04-032/12:31:15.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:38.1
13893	M1O	04-032/12:31:16.5		Deletes the designated file.: d:/dat/253_doy032_pass02_file06.dat	FILE_DELETE	04-032/12:19:39.1
13894	M1O	04-032/12:31:17.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:40.2
13895	M1O	04-032/12:31:18.6		Deletes the designated file.: d:/dat/253_doy032_pass02_file07.dat	FILE_DELETE	04-032/12:19:41.2
13896	M1O	04-032/12:31:19.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:42.3
13897	M1O	04-032/12:31:20.7		Deletes the designated file.: d:/dat/253_doy032_pass02_file08.dat	FILE_DELETE	04-032/12:19:43.3
13898	M1O	04-032/12:31:21.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:44.4
13899	M1O	04-032/12:31:22.8		Deletes the designated file.: d:/dat/253_doy032_pass02_file09.dat	FILE_DELETE	04-032/12:19:45.4
13900	M1O	04-032/12:31:23.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:46.5
13901	M1O	04-032/12:31:24.9		Deletes the designated file.: d:/dat/253_doy032_pass02_file10.dat	FILE_DELETE	04-032/12:19:47.5
13902	M1O	04-032/12:31:26.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:48.6
13903	M1O	04-032/12:31:27.0		Deletes the designated file.: d:/dat/253_doy032_pass02_file11.dat	FILE_DELETE	04-032/12:19:49.6
13904	M1O	04-032/12:31:28.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:50.7
13905	M1O	04-032/12:31:29.1		Deletes the designated file.: d:/dat/253_doy032_pass02_file12.dat	FILE_DELETE	04-032/12:19:51.7
13906	M1O	04-032/12:31:30.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:52.8
13907	M1O	04-032/12:31:31.2		Deletes the designated file.: d:/dat/253_doy032_pass02_file13.dat	FILE_DELETE	04-032/12:19:53.8
13908	M1O	04-032/12:31:32.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:54.9
13909	M1O	04-032/12:31:33.3		Deletes the designated file.: d:/dat/253_doy032_pass02_file14.dat	FILE_DELETE	04-032/12:19:55.9
13910	M1O	04-032/12:31:34.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:19:57.0
13911	M1O	04-032/12:31:35.4		Deletes the designated file.: d:/dat/253_doy032_pass02_file15.dat	FILE_DELETE	04-032/12:19:58.0
13912	M1O	04-032/12:31:36.5		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-032/12:19:59.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/253_doy032_pass02_file16.dat, d:/dat/autoswitch.dat		
13913	M1O	04-032/12:31:37.5		Deletes the designated file.: d:/dat/253_doy032_pass02_file16.dat	FILE_DELETE	04-032/12:20:00.1
13914	M1O	04-032/12:31:38.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:20:01.2
13915	M1O	04-032/12:31:39.6		Deletes the designated file.: d:/dat/253_doy032_pass02_file17.dat	FILE_DELETE	04-032/12:20:02.2
13916	M1O	04-032/12:31:40.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:20:03.3
13917	M1O	04-032/12:31:41.7		Deletes the designated file.: d:/dat/253_doy032_pass02_file18.dat	FILE_DELETE	04-032/12:20:04.3
13918	M1O	04-032/12:31:42.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy032_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/12:20:05.4
13919	M1O	04-032/12:31:43.8		Deletes the designated file.: d:/dat/253_doy032_pass02_file19.dat	FILE_DELETE	04-032/12:20:06.4
13920	M1O	04-032/12:31:44.8		CALL, Engine = , Parameters = 253	get_apid	04-032/12:20:07.4
13921	M1O	04-032/12:31:45.9		CALL, Engine = , Parameters = 253	get_rcv_mode	04-032/12:20:08.5
13922	M1O	04-032/12:31:46.1		CALL, Engine = , Parameters = 253	get_dl_rate	04-032/12:20:08.7
13923	M1O	04-032/12:31:47.2		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-032/12:20:09.8
13924	M1O	04-032/12:31:48.5		CALL, Engine = , Parameters = 253	get_coding	04-032/12:20:11.1
13925	M1O	04-032/12:31:49.7		CALL, Engine = , Parameters = 253	get_xmt_mode	04-032/12:20:12.3
13926	M1O	04-032/12:31:50.9		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-032/12:20:13.5
13927	M1O	04-032/12:32:55.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-032/12:21:18.3
13928	M1O	04-032/12:32:56.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-032/12:21:19.3
13929	M1O	04-032/12:32:57.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-032/12:21:20.3
13930	M1O	04-032/12:32:58.7		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-032/12:21:21.3
13931	M1O	04-032/12:32:59.7		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-032/12:21:22.3
13932	M1O	04-032/12:33:00.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-032/12:21:23.3
13933	M1O	04-032/12:33:01.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-032/12:21:24.3
13934	M1O	04-032/12:34:51.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/12:23:14.3
13935	M1O	04-032/12:34:51.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13936	M1O	04-032/12:34:56.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/12:23:19.5
13937	M1O	04-032/12:35:01.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-032/12:23:24.3
13938	M1O	04-032/12:42:12.1		NOTE: Descending Node Crossing 9463		04-032/12:30:34.6
13939	M1O	04-032/12:52:22.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-032/12:40:45.3
13940	M1O	04-032/12:52:23.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-032/12:40:46.4
13941	M1O	04-032/12:52:33.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-032/12:40:56.4
13942	M1O	04-032/12:52:34.9		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	04-032/12:40:57.4
13943	M1O	04-032/12:52:35.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-032/12:40:58.4
13944	M1O	04-032/12:52:35.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13945	M1O	04-032/12:52:36.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-032/12:40:59.4
13946	M1O	04-032/12:57:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-032/12:45:58.0
13947	M1O	04-032/12:57:35.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13948	M1O	04-032/13:10:14.2		NOTE: Periapsis 9463 ----------		04-032/12:58:36.6
13949	M1O	04-032/13:11:29.2		NOTE: South Pole Crossing 9463		04-032/12:59:51.6
13950	M1O	04-032/13:24:48.6		SPAWN, Engine = 65535, Parameters = 032, 03, TRUE, 00:17:23, 254, TRUE, 128_KPS, 00:02:00, 00:00:00	uhf	04-032/13:13:11.0
13951	M1O	04-032/13:24:49.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-032/13:13:12.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13952	M1O	04-032/13:24:51.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-032/13:13:14.1
13953	M1O	04-032/13:24:52.0		CALL, Engine = , Parameters = 032, 03, 254	bld_autosw	04-032/13:13:14.4
13954	M1O	04-032/13:24:53.1		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	04-032/13:13:15.5
13955	M1O	04-032/13:24:54.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:16.6
13956	M1O	04-032/13:24:55.2		Deletes the designated file.: d:/dat/254_doy032_pass03_file01.dat	FILE_DELETE	04-032/13:13:17.6
13957	M1O	04-032/13:24:56.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:18.7
13958	M1O	04-032/13:24:57.3		Deletes the designated file.: d:/dat/254_doy032_pass03_file02.dat	FILE_DELETE	04-032/13:13:19.7
13959	M1O	04-032/13:24:58.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:20.8
13960	M1O	04-032/13:24:59.4		Deletes the designated file.: d:/dat/254_doy032_pass03_file03.dat	FILE_DELETE	04-032/13:13:21.8
13961	M1O	04-032/13:25:00.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:22.9
13962	M1O	04-032/13:25:01.5		Deletes the designated file.: d:/dat/254_doy032_pass03_file04.dat	FILE_DELETE	04-032/13:13:23.9
13963	M1O	04-032/13:25:02.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:25.0
13964	M1O	04-032/13:25:03.6		Deletes the designated file.: d:/dat/254_doy032_pass03_file05.dat	FILE_DELETE	04-032/13:13:26.0
13965	M1O	04-032/13:25:04.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:27.1
13966	M1O	04-032/13:25:05.7		Deletes the designated file.: d:/dat/254_doy032_pass03_file06.dat	FILE_DELETE	04-032/13:13:28.1
13967	M1O	04-032/13:25:06.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:29.2
13968	M1O	04-032/13:25:07.8		Deletes the designated file.: d:/dat/254_doy032_pass03_file07.dat	FILE_DELETE	04-032/13:13:30.2
13969	M1O	04-032/13:25:08.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:31.3
13970	M1O	04-032/13:25:09.9		Deletes the designated file.: d:/dat/254_doy032_pass03_file08.dat	FILE_DELETE	04-032/13:13:32.3
13971	M1O	04-032/13:25:11.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:33.4
13972	M1O	04-032/13:25:12.0		Deletes the designated file.: d:/dat/254_doy032_pass03_file09.dat	FILE_DELETE	04-032/13:13:34.4
13973	M1O	04-032/13:25:13.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:35.5
13974	M1O	04-032/13:25:14.1		Deletes the designated file.: d:/dat/254_doy032_pass03_file10.dat	FILE_DELETE	04-032/13:13:36.5
13975	M1O	04-032/13:25:15.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:37.6
13976	M1O	04-032/13:25:16.2		Deletes the designated file.: d:/dat/254_doy032_pass03_file11.dat	FILE_DELETE	04-032/13:13:38.6
13977	M1O	04-032/13:25:17.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:39.7
13978	M1O	04-032/13:25:18.3		Deletes the designated file.: d:/dat/254_doy032_pass03_file12.dat	FILE_DELETE	04-032/13:13:40.7
13979	M1O	04-032/13:25:19.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:41.8
13980	M1O	04-032/13:25:20.4		Deletes the designated file.: d:/dat/254_doy032_pass03_file13.dat	FILE_DELETE	04-032/13:13:42.8
13981	M1O	04-032/13:25:21.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:43.9
13982	M1O	04-032/13:25:22.5		Deletes the designated file.: d:/dat/254_doy032_pass03_file14.dat	FILE_DELETE	04-032/13:13:44.9
13983	M1O	04-032/13:25:23.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:46.0
13984	M1O	04-032/13:25:24.6		Deletes the designated file.: d:/dat/254_doy032_pass03_file15.dat	FILE_DELETE	04-032/13:13:47.0
13985	M1O	04-032/13:25:25.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:48.1
13986	M1O	04-032/13:25:26.7		Deletes the designated file.: d:/dat/254_doy032_pass03_file16.dat	FILE_DELETE	04-032/13:13:49.1
13987	M1O	04-032/13:25:27.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:50.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13988	M1O	04-032/13:25:28.8		Deletes the designated file.: d:/dat/254_doy032_pass03_file17.dat	FILE_DELETE	04-032/13:13:51.2
13989	M1O	04-032/13:25:29.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:52.3
13990	M1O	04-032/13:25:30.9		Deletes the designated file.: d:/dat/254_doy032_pass03_file18.dat	FILE_DELETE	04-032/13:13:53.3
13991	M1O	04-032/13:25:32.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy032_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-032/13:13:54.4
13992	M1O	04-032/13:25:33.0		Deletes the designated file.: d:/dat/254_doy032_pass03_file19.dat	FILE_DELETE	04-032/13:13:55.4
13993	M1O	04-032/13:25:34.0		CALL, Engine = , Parameters = 254	get_apid	04-032/13:13:56.4
13994	M1O	04-032/13:25:35.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-032/13:13:57.5
13995	M1O	04-032/13:25:35.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-032/13:13:57.7
13996	M1O	04-032/13:25:36.4		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-032/13:13:58.8
13997	M1O	04-032/13:25:37.7		CALL, Engine = , Parameters = 254	get_coding	04-032/13:14:00.1
13998	M1O	04-032/13:25:38.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-032/13:14:01.3
13999	M1O	04-032/13:25:40.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-032/13:14:02.5
14000	M1O	04-032/13:26:44.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-032/13:15:07.3
14001	M1O	04-032/13:26:45.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-032/13:15:08.3
14002	M1O	04-032/13:26:46.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-032/13:15:09.3
14003	M1O	04-032/13:26:47.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-032/13:15:10.3
14004	M1O	04-032/13:26:48.9		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-032/13:15:11.3
14005	M1O	04-032/13:26:49.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-032/13:15:12.3
14006	M1O	04-032/13:26:50.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-032/13:15:13.3
14007	M1O	04-032/13:26:51.9		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-032/13:15:14.3
14008	M1O	04-032/13:26:52.9		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-032/13:15:15.3
14009	M1O	04-032/13:28:40.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/13:17:03.3
14010	M1O	04-032/13:28:40.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14011	M1O	04-032/13:28:46.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/13:17:08.5
14012	M1O	04-032/13:28:50.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-032/13:17:13.3
14013	M1O	04-032/13:39:21.8		NOTE: Enter Solar Eclipse 9463		04-032/13:27:44.1
14014	M1O	04-032/13:40:49.6		NOTE: Ascending Node Crossing 9463		04-032/13:29:11.9
14015	M1O	04-032/13:44:08.9		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-032/13:32:31.3
14016	M1O	04-032/13:44:09.9		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-032/13:32:32.3
14017	M1O	04-032/13:44:11.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-032/13:32:34.3
14018	M1O	04-032/13:44:13.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-032/13:32:35.4
14019	M1O	04-032/13:44:23.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-032/13:32:45.4
14020	M1O	04-032/13:44:24.0		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	04-032/13:32:46.4
14021	M1O	04-032/13:44:25.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-032/13:32:47.4
14022	M1O	04-032/13:44:25.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14023	M1O	04-032/13:44:26.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-032/13:32:48.4
14024	M1O	04-032/13:49:24.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-032/13:37:47.0
14025	M1O	04-032/13:49:24.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14026	M1O	04-032/13:54:08.4		NOTE: Exit Solar Eclipse 9463		04-032/13:42:30.7
14027	M1O	04-032/14:08:59.5		NOTE: Apoapsis 9463 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14029	M1O	04-032/14:17:32.5		NOTE: Enter Planetary Atmosphere 9463		04-032/14:05:54.7
14030	M1O	04-032/14:19:02.7		NOTE: Exit Planetary Atmosphere 9463		04-032/14:07:24.9
14031	M1O	04-032/14:40:48.5		NOTE: Descending Node Crossing 9464		04-032/14:29:10.6
14032	M1O	04-032/15:08:44.6		NOTE: Periapsis 9464 ----------		04-032/14:57:06.6
14033	M1O	04-032/15:10:05.7		NOTE: South Pole Crossing 9464		04-032/14:58:27.7
14034	M1O	04-032/15:37:58.8		NOTE: Enter Solar Eclipse 9464		04-032/15:26:20.8
14035	M1O	04-032/15:39:26.2		NOTE: Ascending Node Crossing 9464		04-032/15:27:48.1
14036	M1O	04-032/15:44:59.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
14037	M1O	04-032/15:52:46.6		NOTE: Exit Solar Eclipse 9464		04-032/15:41:08.4
14038	M1O	04-032/15:54:59.0	63	Range Modulation Off		
14039	M1O	04-032/15:59:59.0	63	X-Band Transmitter Off		
14040	M1O	04-032/16:07:13.7		NOTE: Apoapsis 9464 -		04-032/15:55:35.6
14041	M1O	04-032/16:09:26.5		NOTE: North Pole Crossing 9464		04-032/15:57:48.3
14042	M1O	04-032/16:15:25.3		NOTE: Enter Planetary Atmosphere 9464		04-032/16:03:47.1
14043	M1O	04-032/16:18:19.6		NOTE: Exit Planetary Atmosphere 9464		04-032/16:06:41.4
14044	M1O	04-032/16:22:12.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-032/16:10:34.2
14045	M1O	04-032/16:22:14.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/16:10:36.3
14046	M1O	04-032/16:22:14.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14047	M1O	04-032/16:22:15.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-032/16:10:37.3
14048	M1O	04-032/16:23:15.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14049	M1O	04-032/16:28:14.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-032/16:16:36.3
14050	M1O	04-032/16:28:14.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14051	M1O	04-032/16:28:15.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-032/16:16:37.3
14052	M1O	04-032/16:39:22.9		NOTE: Descending Node Crossing 9465		04-032/16:27:44.7
14053	M1O	04-032/17:07:18.2		NOTE: Periapsis 9465 ----------		04-032/16:55:39.9
14054	M1O	04-032/17:08:40.1		NOTE: South Pole Crossing 9465		04-032/16:57:01.7
14055	M1O	04-032/17:31:15.4		SPAWN, Engine = 65535, Parameters = 032, 03, FALSE, 00:18:26.979, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-032/17:19:37.0
14056	M1O	04-032/17:31:16.5		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	04-032/17:19:38.1
14057	M1O	04-032/17:31:18.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-032/17:19:40.1
14058	M1O	04-032/17:32:00.7		CALL, Engine = , Parameters = 56	get_apid	04-032/17:20:22.3
14059	M1O	04-032/17:32:01.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-032/17:20:23.4
14060	M1O	04-032/17:32:02.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-032/17:20:23.6
14061	M1O	04-032/17:32:03.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-032/17:20:24.7
14062	M1O	04-032/17:32:04.3		CALL, Engine = , Parameters = 56	get_coding	04-032/17:20:25.9
14063	M1O	04-032/17:32:05.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-032/17:20:27.1
14064	M1O	04-032/17:32:06.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-032/17:20:28.3
14065	M1O	04-032/17:33:11.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-032/17:21:33.1
14066	M1O	04-032/17:33:12.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-032/17:21:34.1
14067	M1O	04-032/17:33:13.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-032/17:21:35.1
14068	M1O	04-032/17:33:14.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-032/17:21:36.1
14069	M1O	04-032/17:33:15.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-032/17:21:37.1
14070	M1O	04-032/17:33:16.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-032/17:21:38.1
14071	M1O	04-032/17:33:17.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-032/17:21:39.1
14072	M1O	04-032/17:36:32.8		NOTE: Enter Solar Eclipse 9465		04-032/17:24:54.4
14073	M1O	04-032/17:38:00.5		NOTE: Ascending Node Crossing 9465		04-032/17:26:22.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14074	M1O	04-032/17:45:00.0	14	Begin Pre-Cal		
14075	M1O	04-032/17:45:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
14076	M1O	04-032/17:45:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14077	M1O	04-032/17:45:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14078	M1O	04-032/17:45:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14079	M1O	04-032/17:45:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
14080	M1O	04-032/17:45:00.0	14	Config: RCV: Parms:		
14081	M1O	04-032/17:45:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14082	M1O	04-032/17:45:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
14083	M1O	04-032/17:45:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
14084	M1O	04-032/17:51:24.6		NOTE: Exit Solar Eclipse 9465		04-032/17:39:46.1
14085	M1O	04-032/17:51:40.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-032/17:40:02.0
14086	M1O	04-032/17:51:41.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-032/17:40:03.1
14087	M1O	04-032/17:51:51.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-032/17:40:13.1
14088	M1O	04-032/17:51:52.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-032/17:40:14.1
14089	M1O	04-032/18:05:48.0		NOTE: Apoapsis 9465 -		04-032/17:54:09.5
14090	M1O	04-032/18:07:59.7		NOTE: North Pole Crossing 9465		04-032/17:56:21.1
14091	M1O	04-032/18:13:27.8		NOTE: Enter Planetary Atmosphere 9465		04-032/18:01:49.2
14092	M1O	04-032/18:17:19.7		NOTE: Exit Planetary Atmosphere 9465		04-032/18:05:41.1
14093	M1O	04-032/18:37:55.0		NOTE: Descending Node Crossing 9466		04-032/18:26:16.4
14094	M1O	04-032/19:00:00.0	14	Begin Tracking		
14095	M1O	04-032/19:00:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14096	M1O	04-032/19:05:45.0	14	NOTE: Above Uplink Interlock Limit		
14097	M1O	04-032/19:05:50.7		NOTE: Periapsis 9466 ----------		04-032/18:54:12.0
14098	M1O	04-032/19:07:11.5		NOTE: South Pole Crossing 9466		04-032/18:55:32.8
14099	M1O	04-032/19:30:00.0	63	End Tracking		
14100	M1O	04-032/19:30:12.7		SPAWN, Engine = 65535, Parameters = 032, 04, FALSE, 00:15:24.185, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-032/19:18:34.0
14101	M1O	04-032/19:30:13.8		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	04-032/19:18:35.1
14102	M1O	04-032/19:30:15.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-032/19:18:37.1
14103	M1O	04-032/19:30:58.1		CALL, Engine = , Parameters = 56	get_apid	04-032/19:19:19.3
14104	M1O	04-032/19:30:59.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-032/19:19:20.4
14105	M1O	04-032/19:30:59.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-032/19:19:20.6
14106	M1O	04-032/19:31:00.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-032/19:19:21.7
14107	M1O	04-032/19:31:01.7		CALL, Engine = , Parameters = 56	get_coding	04-032/19:19:22.9
14108	M1O	04-032/19:31:02.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-032/19:19:24.1
14109	M1O	04-032/19:31:04.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-032/19:19:25.3
14110	M1O	04-032/19:32:08.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-032/19:20:30.1
14111	M1O	04-032/19:32:09.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-032/19:20:31.1
14112	M1O	04-032/19:32:10.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-032/19:20:32.1
14113	M1O	04-032/19:32:11.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-032/19:20:33.1
14114	M1O	04-032/19:32:12.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-032/19:20:34.1
14115	M1O	04-032/19:32:13.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-032/19:20:35.1
14116	M1O	04-032/19:32:14.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-032/19:20:36.1
14117	M1O	04-032/19:35:03.3		NOTE: Enter Solar Eclipse 9466		04-032/19:23:24.5
14118	M1O	04-032/19:36:31.5		NOTE: Ascending Node Crossing 9466		04-032/19:24:52.7
14119	M1O	04-032/19:45:00.0	63	End Post-Cal		
14120	M1O	04-032/19:47:35.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-032/19:35:56.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
14121	M1O	04-032/19:47:36.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-032/19:35:57.3
14122	M1O	04-032/19:47:46.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-032/19:36:07.3
14123	M1O	04-032/19:47:47.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-032/19:36:08.3
14124	M1O	04-032/19:49:56.0		NOTE: Exit Solar Eclipse 9466		04-032/19:38:17.1
14125	M1O	04-032/20:04:25.0		NOTE: Apoapsis 9466 -		04-032/19:52:46.1
14126	M1O	04-032/20:06:30.7		NOTE: North Pole Crossing 9466		04-032/19:54:51.8
14127	M1O	04-032/20:11:58.5		NOTE: Enter Planetary Atmosphere 9466		04-032/20:00:19.6
14128	M1O	04-032/20:15:49.8		NOTE: Exit Planetary Atmosphere 9466		04-032/20:04:10.8
14129	M1O	04-032/20:36:26.2		NOTE: Descending Node Crossing 9467		04-032/20:24:47.2
14130	M1O	04-032/20:45:00.0	25	Begin Pre-Cal		
14131	M1O	04-032/20:45:00.0	25	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
14132	M1O	04-032/20:45:00.0	25	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14133	M1O	04-032/20:45:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14134	M1O	04-032/20:45:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14135	M1O	04-032/20:45:00.0	25	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
14136	M1O	04-032/20:45:00.0	25	Config: RCV: Parms:		
14137	M1O	04-032/20:45:00.0	25	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14138	M1O	04-032/20:45:00.0	25	Config: TGC: BAND=X, SR=221200.000000		
14139	M1O	04-032/20:45:00.0	25	Config: TXL		
14140	M1O	04-032/20:45:00.0	25	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
14141	M1O	04-032/20:45:00.0	25	Config: CMD		
14142	M1O	04-032/20:45:00.0	25	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
14143	M1O	04-032/21:04:06.9		NOTE: Periapsis 9467 ----------		04-032/20:52:27.8
14144	M1O	04-032/21:05:42.0		NOTE: South Pole Crossing 9467		04-032/20:54:02.9
14145	M1O	04-032/21:33:36.3		NOTE: Enter Solar Eclipse 9467		04-032/21:21:57.1
14146	M1O	04-032/21:35:02.1		NOTE: Ascending Node Crossing 9467		04-032/21:23:22.9
14147	M1O	04-032/21:45:00.0	25	Begin Tracking		
14148	M1O	04-032/21:45:00.0	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14149	M1O	04-032/21:46:00.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14150	M1O	04-032/21:48:19.5		NOTE: Exit Solar Eclipse 9467		04-032/21:36:40.3
14151	M1O	04-032/21:51:00.0	25	Range Modulation On: SUP=3.0dB		
14152	M1O	04-032/21:52:00.0	25	Begin Ranging Acquisition		
14153	M1O	04-032/22:02:44.5		NOTE: Apoapsis 9467 -		04-032/21:51:05.2
14154	M1O	04-032/22:05:02.6		NOTE: North Pole Crossing 9467		04-032/21:53:23.3
14155	M1O	04-032/22:08:15.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-032/21:56:36.4
14156	M1O	04-032/22:08:17.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-032/21:56:38.5
14157	M1O	04-032/22:08:17.8	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14158	M1O	04-032/22:08:17.8	25	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14159	M1O	04-032/22:08:18.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-032/21:56:39.5
14160	M1O	04-032/22:09:18.4	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		
14161	M1O	04-032/22:09:18.4	25	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14162	M1O	04-032/22:11:22.1		NOTE: Enter Planetary Atmosphere 9467		04-032/21:59:42.7
14163	M1O	04-032/22:13:33.0		NOTE: Exit Planetary Atmosphere 9467		04-032/22:01:53.7
14164	M1O	04-032/22:14:17.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-032/22:02:38.5
14165	M1O	04-032/22:14:17.8	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14166	M1O	04-032/22:14:17.8	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14167	M1O	04-032/22:14:18.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-032/22:02:39.5
14168	M1O	04-032/22:34:59.0		NOTE: Descending Node Crossing 9468		04-032/22:23:19.6
14169	M1O	04-032/23:02:31.3		NOTE: Periapsis 9468 ----------		04-032/22:50:51.8
14170	M1O	04-032/23:04:15.9		NOTE: South Pole Crossing 9468		04-032/22:52:36.5
14171	M1O	04-032/23:25:58.5		SPAWN, Engine = 65535, Parameters = 032, 03, FALSE, 00:12:10.489, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-032/23:14:19.0
14172	M1O	04-032/23:25:59.6		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	04-032/23:14:20.1
14173	M1O	04-032/23:26:01.6		CALL, Engine = , Parameters = 253	get_cmd_opt	04-032/23:14:22.1
14174	M1O	04-032/23:26:43.8		CALL, Engine = , Parameters = 253	get_apid	04-032/23:15:04.3
14175	M1O	04-032/23:26:44.9		CALL, Engine = , Parameters = 253	get_rcv_mode	04-032/23:15:05.4
14176	M1O	04-032/23:26:45.1		CALL, Engine = , Parameters = 253	get_dl_rate	04-032/23:15:05.6
14177	M1O	04-032/23:26:46.2		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-032/23:15:06.7
14178	M1O	04-032/23:26:47.5		CALL, Engine = , Parameters = 253	get_coding	04-032/23:15:08.0
14179	M1O	04-032/23:26:48.7		CALL, Engine = , Parameters = 253	get_xmt_mode	04-032/23:15:09.2
14180	M1O	04-032/23:26:49.9		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-032/23:15:10.4
14181	M1O	04-032/23:27:54.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-032/23:16:15.2
14182	M1O	04-032/23:27:55.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-032/23:16:16.2
14183	M1O	04-032/23:27:56.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-032/23:16:17.2
14184	M1O	04-032/23:27:57.7		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-032/23:16:18.2
14185	M1O	04-032/23:27:58.7		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-032/23:16:19.2
14186	M1O	04-032/23:27:59.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-032/23:16:20.2
14187	M1O	04-032/23:28:00.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-032/23:16:21.2
14188	M1O	04-032/23:32:14.2		NOTE: Enter Solar Eclipse 9468		04-032/23:20:34.6
14189	M1O	04-032/23:33:37.2		NOTE: Ascending Node Crossing 9468		04-032/23:21:57.7
14190	M1O	04-032/23:40:07.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-032/23:28:27.6
14191	M1O	04-032/23:40:08.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-032/23:28:28.7
14192	M1O	04-032/23:40:18.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-032/23:28:38.7
14193	M1O	04-032/23:40:19.3		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	04-032/23:28:39.7
14194	M1O	04-032/23:46:49.2		NOTE: Exit Solar Eclipse 9468		04-032/23:35:09.6
14195	M1O	04-033/00:00:00.0		Light Time: OWLT = 11:39, RTLT = 23:19		
14196	M1O	04-033/00:01:17.0		NOTE: Apoapsis 9468 -		04-032/23:49:37.3
14197	M1O	04-033/00:03:37.8		NOTE: North Pole Crossing 9468		04-032/23:51:58.1
14198	M1O	04-033/00:18:56.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
14199	M1O	04-033/00:26:55.7		SPAWN, Engine = 65535, Parameters = 033, 01, TRUE, 00:19:00, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-033/00:15:16.0
14200	M1O	04-033/00:26:56.8		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	04-033/00:15:17.1
14201	M1O	04-033/00:26:58.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-033/00:15:19.1
14202	M1O	04-033/00:26:59.1		CALL, Engine = , Parameters = 033, 01, 254	bld_autosw	04-033/00:15:19.4
14203	M1O	04-033/00:27:00.2		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-033/00:15:20.5
14204	M1O	04-033/00:27:01.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:21.6
14205	M1O	04-033/00:27:02.3		Deletes the designated file.: d:/dat/254_doy033_pass01_file01.dat	FILE_DELETE	04-033/00:15:22.6
14206	M1O	04-033/00:27:03.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:23.7
14207	M1O	04-033/00:27:04.4		Deletes the designated file.: d:/dat/254_doy033_pass01_file02.dat	FILE_DELETE	04-033/00:15:24.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14208	M1O	04-033/00:27:05.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:25.8
14209	M1O	04-033/00:27:06.5		Deletes the designated file.: d:/dat/254_doy033_pass01_file03.dat	FILE_DELETE	04-033/00:15:26.8
14210	M1O	04-033/00:27:07.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:27.9
14211	M1O	04-033/00:27:08.6		Deletes the designated file.: d:/dat/254_doy033_pass01_file04.dat	FILE_DELETE	04-033/00:15:28.9
14212	M1O	04-033/00:27:09.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:30.0
14213	M1O	04-033/00:27:10.7		Deletes the designated file.: d:/dat/254_doy033_pass01_file05.dat	FILE_DELETE	04-033/00:15:31.0
14214	M1O	04-033/00:27:11.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:32.1
14215	M1O	04-033/00:27:12.8		Deletes the designated file.: d:/dat/254_doy033_pass01_file06.dat	FILE_DELETE	04-033/00:15:33.1
14216	M1O	04-033/00:27:13.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:34.2
14217	M1O	04-033/00:27:14.9		Deletes the designated file.: d:/dat/254_doy033_pass01_file07.dat	FILE_DELETE	04-033/00:15:35.2
14218	M1O	04-033/00:27:16.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:36.3
14219	M1O	04-033/00:27:17.0		Deletes the designated file.: d:/dat/254_doy033_pass01_file08.dat	FILE_DELETE	04-033/00:15:37.3
14220	M1O	04-033/00:27:18.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:38.4
14221	M1O	04-033/00:27:19.1		Deletes the designated file.: d:/dat/254_doy033_pass01_file09.dat	FILE_DELETE	04-033/00:15:39.4
14222	M1O	04-033/00:27:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:40.5
14223	M1O	04-033/00:27:21.2		Deletes the designated file.: d:/dat/254_doy033_pass01_file10.dat	FILE_DELETE	04-033/00:15:41.5
14224	M1O	04-033/00:27:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:42.6
14225	M1O	04-033/00:27:23.3		Deletes the designated file.: d:/dat/254_doy033_pass01_file11.dat	FILE_DELETE	04-033/00:15:43.6
14226	M1O	04-033/00:27:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:44.7
14227	M1O	04-033/00:27:25.4		Deletes the designated file.: d:/dat/254_doy033_pass01_file12.dat	FILE_DELETE	04-033/00:15:45.7
14228	M1O	04-033/00:27:26.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:46.8
14229	M1O	04-033/00:27:27.5		Deletes the designated file.: d:/dat/254_doy033_pass01_file13.dat	FILE_DELETE	04-033/00:15:47.8
14230	M1O	04-033/00:27:28.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:48.9
14231	M1O	04-033/00:27:29.6		Deletes the designated file.: d:/dat/254_doy033_pass01_file14.dat	FILE_DELETE	04-033/00:15:49.9
14232	M1O	04-033/00:27:30.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:51.0
14233	M1O	04-033/00:27:31.7		Deletes the designated file.: d:/dat/254_doy033_pass01_file15.dat	FILE_DELETE	04-033/00:15:52.0
14234	M1O	04-033/00:27:32.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:53.1
14235	M1O	04-033/00:27:33.8		Deletes the designated file.: d:/dat/254_doy033_pass01_file16.dat	FILE_DELETE	04-033/00:15:54.1
14236	M1O	04-033/00:27:34.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:55.2
14237	M1O	04-033/00:27:35.9		Deletes the designated file.: d:/dat/254_doy033_pass01_file17.dat	FILE_DELETE	04-033/00:15:56.2
14238	M1O	04-033/00:27:37.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:57.3
14239	M1O	04-033/00:27:38.0		Deletes the designated file.: d:/dat/254_doy033_pass01_file18.dat	FILE_DELETE	04-033/00:15:58.3
14240	M1O	04-033/00:27:39.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/00:15:59.4
14241	M1O	04-033/00:27:40.1		Deletes the designated file.: d:/dat/254_doy033_pass01_file19.dat	FILE_DELETE	04-033/00:16:00.4
14242	M1O	04-033/00:27:41.1		CALL, Engine = , Parameters = 254	get_apid	04-033/00:16:01.4
14243	M1O	04-033/00:27:42.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-033/00:16:02.5
14244	M1O	04-033/00:27:42.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-033/00:16:02.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14245	M1O	04-033/00:27:43.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-033/00:16:03.8
14246	M1O	04-033/00:27:44.8		CALL, Engine = , Parameters = 254	get_coding	04-033/00:16:05.1
14247	M1O	04-033/00:27:46.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-033/00:16:06.3
14248	M1O	04-033/00:27:47.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-033/00:16:07.5
14249	M1O	04-033/00:28:52.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-033/00:17:12.3
14250	M1O	04-033/00:28:53.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-033/00:17:13.3
14251	M1O	04-033/00:28:54.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-033/00:17:14.3
14252	M1O	04-033/00:28:55.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-033/00:17:15.3
14253	M1O	04-033/00:28:56.0	25	Range Modulation Off		
14254	M1O	04-033/00:28:56.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-033/00:17:16.3
14255	M1O	04-033/00:28:57.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-033/00:17:17.3
14256	M1O	04-033/00:28:58.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-033/00:17:18.3
14257	M1O	04-033/00:28:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-033/00:17:18.3
14258	M1O	04-033/00:29:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/00:17:20.4
14259	M1O	04-033/00:29:00.1	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		
14260	M1O	04-033/00:29:00.1	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14261	M1O	04-033/00:29:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-033/00:17:21.4
14262	M1O	04-033/00:30:00.0	14	End Tracking		
14263	M1O	04-033/00:30:00.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-033/00:18:20.3
14264	M1O	04-033/00:30:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-033/00:18:20.3
14265	M1O	04-033/00:30:00.0	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14266	M1O	04-033/00:30:06.0		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-033/00:18:26.3
14267	M1O	04-033/00:30:06.0	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14268	M1O	04-033/00:30:48.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/00:19:08.3
14269	M1O	04-033/00:30:58.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-033/00:19:18.3
14270	M1O	04-033/00:33:34.3		NOTE: Descending Node Crossing 9469		04-033/00:21:54.6
14271	M1O	04-033/00:33:56.0	25	X-Band Transmitter Off		
14272	M1O	04-033/00:35:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-033/00:23:20.4
14273	M1O	04-033/00:35:00.1	25	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14274	M1O	04-033/00:35:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/00:23:21.4
14275	M1O	04-033/00:35:01.1	25	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14276	M1O	04-033/00:35:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-033/00:23:21.4
14277	M1O	04-033/00:45:00.0	14	End Post-Cal		
14278	M1O	04-033/00:45:00.0	43	Begin Pre-Cal		
14279	M1O	04-033/00:45:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
14280	M1O	04-033/00:45:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14281	M1O	04-033/00:45:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14282	M1O	04-033/00:45:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14283	M1O	04-033/00:45:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
14284	M1O	04-033/00:45:00.0	43	Config: RCV: Parms:		
14285	M1O	04-033/00:45:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14286	M1O	04-033/00:45:00.0	43	Config: TGC: BAND=X, SR=79632.000000		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14287	M1O	04-033/00:45:00.0	43	Config: TXL		
14288	M1O	04-033/00:45:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
14289	M1O	04-033/00:45:00.0	43	Config: CMD		
14290	M1O	04-033/00:45:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
14291	M1O	04-033/00:46:34.8		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-033/00:34:55.0
14292	M1O	04-033/00:46:34.9		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-033/00:34:55.1
14293	M1O	04-033/00:46:35.9		Forces a desaturation of the reaction wheels.	RW_DESAT	04-033/00:34:56.1
14294	M1O	04-033/00:47:56.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-033/00:36:16.3
14295	M1O	04-033/00:47:57.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-033/00:36:17.4
14296	M1O	04-033/00:48:07.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-033/00:36:27.4
14297	M1O	04-033/00:48:08.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-033/00:36:28.4
14298	M1O	04-033/00:48:09.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-033/00:36:29.4
14299	M1O	04-033/00:48:09.2	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14300	M1O	04-033/00:48:10.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-033/00:36:30.4
14301	M1O	04-033/00:49:04.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-033/00:37:25.0
14302	M1O	04-033/00:49:20.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-031T00:37:25.100, 2004-033T00:37:25.100	PCKTS_RE_TX_TIME	04-033/00:37:40.8
14303	M1O	04-033/00:49:21.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-031T00:37:25.100, 2004-033T00:37:25.100	PCKTS_RE_TX_TIME	04-033/00:37:41.8
14304	M1O	04-033/00:49:22.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-031T00:37:25.100, 2004-033T00:37:25.100	PCKTS_RE_TX_TIME	04-033/00:37:42.8
14305	M1O	04-033/00:49:23.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-031T00:37:25.100, 2004-033T00:37:25.100	PCKTS_RE_TX_TIME	04-033/00:37:43.8
14306	M1O	04-033/00:49:24.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-031T00:37:25.100, 2004-033T00:37:25.100	PCKTS_RE_TX_TIME	04-033/00:37:44.8
14307	M1O	04-033/00:49:25.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-031T00:37:25.100, 2004-033T00:37:25.100	PCKTS_RE_TX_TIME	04-033/00:37:45.8
14308	M1O	04-033/00:49:25.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-033/00:37:45.8
14309	M1O	04-033/00:49:25.6	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14310	M1O	04-033/00:49:26.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/00:37:46.8
14311	M1O	04-033/00:49:26.6	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14312	M1O	04-033/00:56:26.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/00:44:46.8
14313	M1O	04-033/00:56:27.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-033/00:44:47.8
14314	M1O	04-033/00:56:43.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-033/00:45:03.8
14315	M1O	04-033/00:56:43.6	25	D/L RF Warning: SC antenna change - expect signal level variation		
14316	M1O	04-033/00:56:44.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-033/00:45:04.8
14317	M1O	04-033/00:57:15.5	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14318	M1O	04-033/00:58:05.9		CALL, Engine = , Parameters = FALSE	park_hga	04-033/00:46:26.1
14319	M1O	04-033/00:58:05.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/00:46:26.1
14320	M1O	04-033/00:58:06.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-033/00:46:27.1
14321	M1O	04-033/00:58:07.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-033/00:46:28.1
14322	M1O	04-033/00:58:07.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-033/00:46:28.1
14323	M1O	04-033/00:58:07.9		NOTE: START HGA PARK		
14324	M1O	04-033/00:58:07.9	25	NOTE: Loss Of X-Band Signal		
14325	M1O	04-033/00:58:08.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-033/00:46:29.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14326	M1O	04-033/00:58:09.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-033/00:46:30.1
14327	M1O	04-033/01:01:26.3		NOTE: Periapsis 9469 ----------		04-033/00:49:46.5
14328	M1O	04-033/01:02:39.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-033/00:51:00.1
14329	M1O	04-033/01:02:52.5		NOTE: South Pole Crossing 9469		04-033/00:51:12.7
14330	M1O	04-033/01:06:09.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-033/00:54:30.1
14331	M1O	04-033/01:06:09.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-033/00:54:30.1
14332	M1O	04-033/01:19:56.9		SPAWN, Engine = 65535, Parameters = 033, 01, TRUE, 00:19:02, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-033/01:08:17.0
14333	M1O	04-033/01:19:58.0		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	04-033/01:08:18.1
14334	M1O	04-033/01:20:00.0		CALL, Engine = , Parameters = 253	get_cmd_opt	04-033/01:08:20.1
14335	M1O	04-033/01:20:00.3		CALL, Engine = , Parameters = 033, 01, 253	bld_autosw	04-033/01:08:20.4
14336	M1O	04-033/01:20:01.4		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-033/01:08:21.5
14337	M1O	04-033/01:20:02.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:22.6
14338	M1O	04-033/01:20:03.5		Deletes the designated file.: d:/dat/253_doy033_pass01_file01.dat	FILE_DELETE	04-033/01:08:23.6
14339	M1O	04-033/01:20:04.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:24.7
14340	M1O	04-033/01:20:05.6		Deletes the designated file.: d:/dat/253_doy033_pass01_file02.dat	FILE_DELETE	04-033/01:08:25.7
14341	M1O	04-033/01:20:06.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:26.8
14342	M1O	04-033/01:20:07.7		Deletes the designated file.: d:/dat/253_doy033_pass01_file03.dat	FILE_DELETE	04-033/01:08:27.8
14343	M1O	04-033/01:20:08.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:28.9
14344	M1O	04-033/01:20:09.8		Deletes the designated file.: d:/dat/253_doy033_pass01_file04.dat	FILE_DELETE	04-033/01:08:29.9
14345	M1O	04-033/01:20:10.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:31.0
14346	M1O	04-033/01:20:11.9		Deletes the designated file.: d:/dat/253_doy033_pass01_file05.dat	FILE_DELETE	04-033/01:08:32.0
14347	M1O	04-033/01:20:13.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:33.1
14348	M1O	04-033/01:20:14.0		Deletes the designated file.: d:/dat/253_doy033_pass01_file06.dat	FILE_DELETE	04-033/01:08:34.1
14349	M1O	04-033/01:20:15.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:35.2
14350	M1O	04-033/01:20:16.1		Deletes the designated file.: d:/dat/253_doy033_pass01_file07.dat	FILE_DELETE	04-033/01:08:36.2
14351	M1O	04-033/01:20:17.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:37.3
14352	M1O	04-033/01:20:18.2		Deletes the designated file.: d:/dat/253_doy033_pass01_file08.dat	FILE_DELETE	04-033/01:08:38.3
14353	M1O	04-033/01:20:19.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:39.4
14354	M1O	04-033/01:20:20.3		Deletes the designated file.: d:/dat/253_doy033_pass01_file09.dat	FILE_DELETE	04-033/01:08:40.4
14355	M1O	04-033/01:20:21.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:41.5
14356	M1O	04-033/01:20:22.4		Deletes the designated file.: d:/dat/253_doy033_pass01_file10.dat	FILE_DELETE	04-033/01:08:42.5
14357	M1O	04-033/01:20:23.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:43.6
14358	M1O	04-033/01:20:24.5		Deletes the designated file.: d:/dat/253_doy033_pass01_file11.dat	FILE_DELETE	04-033/01:08:44.6
14359	M1O	04-033/01:20:25.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:45.7
14360	M1O	04-033/01:20:26.6		Deletes the designated file.: d:/dat/253_doy033_pass01_file12.dat	FILE_DELETE	04-033/01:08:46.7
14361	M1O	04-033/01:20:27.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:47.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14362	M1O	04-033/01:20:28.7		Deletes the designated file.: d:/dat/253_doy033_pass01_file13.dat	FILE_DELETE	04-033/01:08:48.8
14363	M1O	04-033/01:20:29.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:49.9
14364	M1O	04-033/01:20:30.8		Deletes the designated file.: d:/dat/253_doy033_pass01_file14.dat	FILE_DELETE	04-033/01:08:50.9
14365	M1O	04-033/01:20:31.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:52.0
14366	M1O	04-033/01:20:32.9		Deletes the designated file.: d:/dat/253_doy033_pass01_file15.dat	FILE_DELETE	04-033/01:08:53.0
14367	M1O	04-033/01:20:34.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:54.1
14368	M1O	04-033/01:20:35.0		Deletes the designated file.: d:/dat/253_doy033_pass01_file16.dat	FILE_DELETE	04-033/01:08:55.1
14369	M1O	04-033/01:20:36.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:56.2
14370	M1O	04-033/01:20:37.1		Deletes the designated file.: d:/dat/253_doy033_pass01_file17.dat	FILE_DELETE	04-033/01:08:57.2
14371	M1O	04-033/01:20:38.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:08:58.3
14372	M1O	04-033/01:20:39.2		Deletes the designated file.: d:/dat/253_doy033_pass01_file18.dat	FILE_DELETE	04-033/01:08:59.3
14373	M1O	04-033/01:20:40.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/01:09:00.4
14374	M1O	04-033/01:20:41.3		Deletes the designated file.: d:/dat/253_doy033_pass01_file19.dat	FILE_DELETE	04-033/01:09:01.4
14375	M1O	04-033/01:20:42.3		CALL, Engine = , Parameters = 253	get_apid	04-033/01:09:02.4
14376	M1O	04-033/01:20:43.4		CALL, Engine = , Parameters = 253	get_rcv_mode	04-033/01:09:03.5
14377	M1O	04-033/01:20:43.6		CALL, Engine = , Parameters = 253	get_dl_rate	04-033/01:09:03.7
14378	M1O	04-033/01:20:44.7		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-033/01:09:04.8
14379	M1O	04-033/01:20:46.0		CALL, Engine = , Parameters = 253	get_coding	04-033/01:09:06.1
14380	M1O	04-033/01:20:47.2		CALL, Engine = , Parameters = 253	get_xmt_mode	04-033/01:09:07.3
14381	M1O	04-033/01:20:48.4		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-033/01:09:08.5
14382	M1O	04-033/01:21:53.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-033/01:10:13.3
14383	M1O	04-033/01:21:54.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-033/01:10:14.3
14384	M1O	04-033/01:21:55.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-033/01:10:15.3
14385	M1O	04-033/01:21:56.2		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-033/01:10:16.3
14386	M1O	04-033/01:21:57.2		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-033/01:10:17.3
14387	M1O	04-033/01:21:58.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-033/01:10:18.3
14388	M1O	04-033/01:21:59.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-033/01:10:19.3
14389	M1O	04-033/01:23:49.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/01:12:09.3
14390	M1O	04-033/01:23:59.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-033/01:12:19.3
14391	M1O	04-033/01:30:39.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14392	M1O	04-033/01:30:50.5		NOTE: Enter Solar Eclipse 9469		04-033/01:19:10.5
14393	M1O	04-033/01:32:14.3		NOTE: Ascending Node Crossing 9469		04-033/01:20:34.4
14394	M1O	04-033/01:35:39.0	25	Range Modulation On: SUP=3.0dB		
14395	M1O	04-033/01:36:09.9		GV: GV_DESAT_ACTIVE = 1		04-033/01:24:30.0
14396	M1O	04-033/01:36:10.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-033/01:24:31.0
14397	M1O	04-033/01:36:10.9		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-033/01:24:31.0
14398	M1O	04-033/01:36:39.0	25	Begin Ranging Acquisition		
14399	M1O	04-033/01:40:59.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-033/01:29:19.3
14400	M1O	04-033/01:41:00.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-033/01:29:20.4
14401	M1O	04-033/01:41:10.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-033/01:29:30.4
14402	M1O	04-033/01:41:11.3		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	04-033/01:29:31.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14403	M1O	04-033/01:41:12.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-033/01:29:32.4
14404	M1O	04-033/01:41:13.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-033/01:29:33.4
14405	M1O	04-033/01:45:25.6		NOTE: Exit Solar Eclipse 9469		04-033/01:33:45.6
14406	M1O	04-033/01:46:09.9		GV: GV_DESAT_ACTIVE = 0		04-033/01:34:30.0
14407	M1O	04-033/01:46:10.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-033/01:34:31.0
14408	M1O	04-033/01:46:11.9		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-033/01:34:32.0
14409	M1O	04-033/01:46:12.9		CALL, Engine = , Parameters =	unpark_hga	04-033/01:34:33.0
14410	M1O	04-033/01:46:12.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-033/01:34:33.0
14411	M1O	04-033/01:46:13.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-033/01:34:34.0
14412	M1O	04-033/01:50:44.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-033/01:39:04.0
14413	M1O	04-033/01:50:45.0		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-033/01:39:05.0
14414	M1O	04-033/01:53:33.5		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-033/01:41:53.5
14415	M1O	04-033/01:53:33.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/01:41:53.6
14416	M1O	04-033/01:53:34.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-033/01:41:54.6
14417	M1O	04-033/01:53:35.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-033/01:41:55.6
14418	M1O	04-033/01:53:36.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-033/01:41:56.6
14419	M1O	04-033/01:53:37.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-033/01:41:57.6
14420	M1O	04-033/01:53:47.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-033/01:42:07.6
14421	M1O	04-033/01:53:57.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-033/01:42:17.6
14422	M1O	04-033/01:54:45.0		NOTE: EXIT HGA PARK		
14423	M1O	04-033/01:54:45.0	25	Acquisition Of X-Band Signal		
14424	M1O	04-033/01:54:45.0	25	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14425	M1O	04-033/01:58:57.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-033/01:47:17.6
14426	M1O	04-033/01:58:58.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-033/01:47:18.6
14427	M1O	04-033/01:58:58.7	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14428	M1O	04-033/01:58:59.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/01:47:19.1
14429	M1O	04-033/01:58:59.1	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14430	M1O	04-033/01:58:59.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-033/01:47:19.6
14431	M1O	04-033/01:59:59.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-033/01:48:19.0
14432	M1O	04-033/01:59:59.0	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14433	M1O	04-033/02:00:19.9		NOTE: Apoapsis 9469 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000		
14442	M1O	04-033/02:29:15.2		CALL, Engine = , Parameters = 254	get_cmd_opt	04-033/02:17:35.1
14443	M1O	04-033/02:29:54.4		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-033/02:18:14.3
14444	M1O	04-033/02:29:54.4	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14445	M1O	04-033/02:29:57.4		CALL, Engine = , Parameters = 254	get_apid	04-033/02:18:17.3
14446	M1O	04-033/02:29:58.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-033/02:18:18.4
14447	M1O	04-033/02:29:58.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-033/02:18:18.6
14448	M1O	04-033/02:29:59.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-033/02:18:19.7
14449	M1O	04-033/02:30:00.0	43	Begin Tracking		
14450	M1O	04-033/02:30:00.0	43	Acquire D/L: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14451	M1O	04-033/02:30:00.0	25	Range Modulation Off		
14452	M1O	04-033/02:30:00.4		NOTE: Changing to 70M downlink rate: 110600_BPS		04-033/02:18:20.3
14453	M1O	04-033/02:30:00.4		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 110600_BPS	DOWNLINK_RATE	04-033/02:18:20.3
14454	M1O	04-033/02:30:00.4	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14455	M1O	04-033/02:30:00.4	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		
14456	M1O	04-033/02:30:01.1		CALL, Engine = , Parameters = 254	get_coding	04-033/02:18:21.0
14457	M1O	04-033/02:30:02.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-033/02:18:22.2
14458	M1O	04-033/02:30:03.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-033/02:18:23.4
14459	M1O	04-033/02:31:08.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-033/02:19:28.2
14460	M1O	04-033/02:31:09.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-033/02:19:29.2
14461	M1O	04-033/02:31:10.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-033/02:19:30.2
14462	M1O	04-033/02:31:11.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-033/02:19:31.2
14463	M1O	04-033/02:31:12.3		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-033/02:19:32.2
14464	M1O	04-033/02:31:13.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-033/02:19:33.2
14465	M1O	04-033/02:31:14.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-033/02:19:34.2
14466	M1O	04-033/02:31:34.0	43	NOTE: Above Uplink Interlock Limit		
14467	M1O	04-033/02:32:10.9		NOTE: Descending Node Crossing 9470		04-033/02:20:30.7
14468	M1O	04-033/02:35:00.0	43	U/L Transfer From DSS-25 to DSS-43: PWR=20.0, BR=125.0		
14469	M1O	04-033/02:35:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-033/02:23:20.4
14470	M1O	04-033/02:35:00.5	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14471	M1O	04-033/02:35:00.5	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		
14472	M1O	04-033/02:35:01.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-033/02:23:21.4
14473	M1O	04-033/02:40:00.0	43	Range Modulation On: SUP=3.0dB		
14474	M1O	04-033/02:41:00.0	43	Begin Ranging Acquisition		
14475	M1O	04-033/02:41:17.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-033/02:29:36.9
14476	M1O	04-033/02:41:18.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-033/02:29:38.0
14477	M1O	04-033/02:41:28.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-033/02:29:48.0
14478	M1O	04-033/02:41:29.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-033/02:29:49.0
14479	M1O	04-033/02:50:00.0	25	End Tracking		
14480	M1O	04-033/02:58:20.3	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14481	M1O	04-033/03:00:26.9		NOTE: Periapsis 9470 ----------		04-033/02:48:46.7
14482	M1O	04-033/03:01:29.3		NOTE: South Pole Crossing 9470		04-033/02:49:49.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14483	M1O	04-033/03:05:00.0	25	End Post-Cal		
14484	M1O	04-033/03:29:24.1		NOTE: Enter Solar Eclipse 9470		04-033/03:17:43.7
14485	M1O	04-033/03:30:50.6		NOTE: Ascending Node Crossing 9470		04-033/03:19:10.2
14486	M1O	04-033/03:44:03.4		NOTE: Exit Solar Eclipse 9470		04-033/03:32:23.1
14487	M1O	04-033/03:44:59.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
14488	M1O	04-033/03:54:59.0	43	Range Modulation Off		
14489	M1O	04-033/03:59:20.1		NOTE: Apoapsis 9470 -		04-033/03:47:39.7
14490	M1O	04-033/03:59:59.0	43	X-Band Transmitter Off		
14491	M1O	04-033/04:00:50.4		NOTE: North Pole Crossing 9470		04-033/03:49:09.9
14492	M1O	04-033/04:22:17.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-033/04:10:36.5
14493	M1O	04-033/04:22:19.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/04:10:38.6
14494	M1O	04-033/04:22:19.1	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14495	M1O	04-033/04:22:20.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-033/04:10:39.6
14496	M1O	04-033/04:23:19.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14497	M1O	04-033/04:28:19.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-033/04:16:38.6
14498	M1O	04-033/04:28:19.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14499	M1O	04-033/04:28:20.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-033/04:16:39.6
14500	M1O	04-033/04:30:47.2		NOTE: Descending Node Crossing 9471		04-033/04:19:06.6
14501	M1O	04-033/04:59:11.8		NOTE: Periapsis 9471 ----------		04-033/04:47:31.2
14502	M1O	04-033/05:00:04.6		NOTE: South Pole Crossing 9471		04-033/04:48:24.0
14503	M1O	04-033/05:27:55.2		NOTE: Enter Solar Eclipse 9471		04-033/05:16:14.5
14504	M1O	04-033/05:29:24.6		NOTE: Ascending Node Crossing 9471		04-033/05:17:43.9
14505	M1O	04-033/05:42:40.1		NOTE: Exit Solar Eclipse 9471		04-033/05:30:59.3
14506	M1O	04-033/05:57:49.9		NOTE: Apoapsis 9471 -		04-033/05:46:09.1
14507	M1O	04-033/05:59:24.2		NOTE: North Pole Crossing 9471		04-033/05:47:43.4
14508	M1O	04-033/06:13:56.8		SPAWN, Engine = 65535, Parameters = 033, 01, FALSE, 00:19:11.397, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-033/06:02:16.0
14509	M1O	04-033/06:13:57.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-033/06:02:17.1
14510	M1O	04-033/06:13:59.9		CALL, Engine = , Parameters = 56	get_cmd_opt	04-033/06:02:19.1
14511	M1O	04-033/06:14:42.1		CALL, Engine = , Parameters = 56	get_apid	04-033/06:03:01.3
14512	M1O	04-033/06:14:43.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-033/06:03:02.4
14513	M1O	04-033/06:14:43.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-033/06:03:02.6
14514	M1O	04-033/06:14:44.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-033/06:03:03.7
14515	M1O	04-033/06:14:45.7		CALL, Engine = , Parameters = 56	get_coding	04-033/06:03:04.9
14516	M1O	04-033/06:14:46.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-033/06:03:06.1
14517	M1O	04-033/06:14:48.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-033/06:03:07.3
14518	M1O	04-033/06:15:52.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-033/06:04:12.1
14519	M1O	04-033/06:15:53.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-033/06:04:13.1
14520	M1O	04-033/06:15:54.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-033/06:04:14.1
14521	M1O	04-033/06:15:55.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-033/06:04:15.1
14522	M1O	04-033/06:15:56.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-033/06:04:16.1
14523	M1O	04-033/06:15:57.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-033/06:04:17.1
14524	M1O	04-033/06:15:58.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-033/06:04:18.1
14525	M1O	04-033/06:29:20.7		NOTE: Descending Node Crossing 9472		04-033/06:17:39.8
14526	M1O	04-033/06:35:06.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-033/06:23:25.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14527	M1O	04-033/06:35:07.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-033/06:23:26.5
14528	M1O	04-033/06:35:17.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-033/06:23:36.5
14529	M1O	04-033/06:35:18.5		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	04-033/06:23:37.5
14530	M1O	04-033/06:57:28.5		NOTE: Periapsis 9472 ----------		04-033/06:45:47.5
14531	M1O	04-033/06:58:37.0		NOTE: South Pole Crossing 9472		04-033/06:46:56.0
14532	M1O	04-033/07:11:41.0		SPAWN, Engine = 65535, Parameters =	scdiag	04-033/07:00:00.0
14533	M1O	04-033/07:11:42.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-033/07:00:01.1
14534	M1O	04-033/07:11:43.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-033/07:00:02.1
14535	M1O	04-033/07:12:44.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-033/07:01:03.0
14536	M1O	04-033/07:12:44.2		NOTE: Start Block fsw_diag		04-033/07:01:03.2
14537	M1O	04-033/07:12:45.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-033/07:01:04.2
14538	M1O	04-033/07:12:46.2		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	04-033/07:01:05.2
14539	M1O	04-033/07:12:57.2		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	04-033/07:01:16.2
14540	M1O	04-033/07:13:27.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-033/07:01:46.2
14541	M1O	04-033/07:13:47.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-033/07:02:06.2
14542	M1O	04-033/07:13:57.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-033/07:02:16.2
14543	M1O	04-033/07:14:17.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-033/07:02:36.2
14544	M1O	04-033/07:14:27.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-033/07:02:46.2
14545	M1O	04-033/07:14:32.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-033/07:02:51.2
14546	M1O	04-033/07:14:37.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-033/07:02:56.2
14547	M1O	04-033/07:14:42.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-033/07:03:01.2
14548	M1O	04-033/07:14:47.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-033/07:03:06.2
14549	M1O	04-033/07:14:52.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-033/07:03:11.2
14550	M1O	04-033/07:15:32.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-033/07:03:51.2
14551	M1O	04-033/07:15:37.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-033/07:03:56.2
14552	M1O	04-033/07:15:42.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-033/07:04:01.2
14553	M1O	04-033/07:15:47.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-033/07:04:06.2
14554	M1O	04-033/07:15:52.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-033/07:04:11.2
14555	M1O	04-033/07:15:53.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-033/07:04:12.2
14556	M1O	04-033/07:15:54.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-033/07:04:13.2
14557	M1O	04-033/07:15:55.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-033/07:04:14.2
14558	M1O	04-033/07:16:06.2		NOTE: End Block fsw_diag.mod		04-033/07:04:25.2
14559	M1O	04-033/07:26:27.0		NOTE: Enter Solar Eclipse 9472		04-033/07:14:45.9
14560	M1O	04-033/07:27:56.4		NOTE: Ascending Node Crossing 9472		04-033/07:16:15.3
14561	M1O	04-033/07:41:13.5		NOTE: Exit Solar Eclipse 9472		04-033/07:29:32.4
14562	M1O	04-033/07:55:56.3		NOTE: Apoapsis 9472 -		04-033/07:44:15.1
14563	M1O	04-033/07:57:55.5		NOTE: North Pole Crossing 9472		04-033/07:46:14.3
14564	M1O	04-033/08:00:00.0	45	Begin Pre-Cal		
14565	M1O	04-033/08:00:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
14566	M1O	04-033/08:00:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14567	M1O	04-033/08:00:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14568	M1O	04-033/08:00:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14569	M1O	04-033/08:00:00.0	45	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
14570	M1O	04-033/08:00:00.0	45	Config: RCV: Parms:		
14571	M1O	04-033/08:00:00.0	45	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14572	M1O	04-033/08:00:00.0	45	Config: TGC: BAND=X, SR=221200.000000		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14573	M1O	04-033/08:00:00.0	45	Config: TXL		
14574	M1O	04-033/08:00:00.0	45	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
14575	M1O	04-033/08:00:00.0	45	Config: CMD		
14576	M1O	04-033/08:00:00.0	45	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
14577	M1O	04-033/08:04:16.5		NOTE: Enter Planetary Atmosphere 9472		04-033/07:52:35.3
14578	M1O	04-033/08:06:18.2		NOTE: Exit Planetary Atmosphere 9472		04-033/07:54:37.0
14579	M1O	04-033/08:14:30.2		SPAWN, Engine = 65535, Parameters = 033, 02, FALSE, 00:12:05.002, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-033/08:02:49.0
14580	M1O	04-033/08:14:31.3		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	04-033/08:02:50.1
14581	M1O	04-033/08:14:33.3		CALL, Engine = , Parameters = 56	get_cmd_opt	04-033/08:02:52.1
14582	M1O	04-033/08:15:15.5		CALL, Engine = , Parameters = 56	get_apid	04-033/08:03:34.3
14583	M1O	04-033/08:15:16.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-033/08:03:35.4
14584	M1O	04-033/08:15:16.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-033/08:03:35.6
14585	M1O	04-033/08:15:17.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-033/08:03:36.7
14586	M1O	04-033/08:15:19.1		CALL, Engine = , Parameters = 56	get_coding	04-033/08:03:37.9
14587	M1O	04-033/08:15:20.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-033/08:03:39.1
14588	M1O	04-033/08:15:21.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-033/08:03:40.3
14589	M1O	04-033/08:16:26.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-033/08:04:45.1
14590	M1O	04-033/08:16:27.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-033/08:04:46.1
14591	M1O	04-033/08:16:28.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-033/08:04:47.1
14592	M1O	04-033/08:16:29.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-033/08:04:48.1
14593	M1O	04-033/08:16:30.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-033/08:04:49.1
14594	M1O	04-033/08:16:31.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-033/08:04:50.1
14595	M1O	04-033/08:16:32.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-033/08:04:51.1
14596	M1O	04-033/08:27:50.9		NOTE: Descending Node Crossing 9473		04-033/08:16:09.6
14597	M1O	04-033/08:28:33.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-033/08:16:52.1
14598	M1O	04-033/08:28:34.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-033/08:16:53.2
14599	M1O	04-033/08:28:44.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-033/08:17:03.2
14600	M1O	04-033/08:28:45.4		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	04-033/08:17:04.2
14601	M1O	04-033/08:30:00.0	45	Begin Tracking		
14602	M1O	04-033/08:30:00.0	45	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14603	M1O	04-033/08:31:00.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14604	M1O	04-033/08:36:00.0	45	Range Modulation On: SUP=3.0dB		
14605	M1O	04-033/08:37:00.0	45	Begin Ranging Acquisition		
14606	M1O	04-033/08:53:20.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-033/08:41:38.7
14607	M1O	04-033/08:53:22.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/08:41:40.8
14608	M1O	04-033/08:53:22.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14609	M1O	04-033/08:53:22.1	45	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14610	M1O	04-033/08:53:23.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-033/08:41:41.8
14611	M1O	04-033/08:54:22.5	43	Acquire D/L: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14612	M1O	04-033/08:54:22.5	45	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14613	M1O	04-033/08:55:40.4		NOTE: Periapsis 9473 ----------		04-033/08:43:59.1
14614	M1O	04-033/08:57:07.5		NOTE: South Pole Crossing 9473		04-033/08:45:26.1
14615	M1O	04-033/08:59:22.1		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-033/08:47:40.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
14616	M1O	04-033/08:59:22.1	43	D/L Change: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14617	M1O	04-033/08:59:22.1	45	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14618	M1O	04-033/08:59:23.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-033/08:47:41.8
14619	M1O	04-033/09:25:00.6		NOTE: Enter Solar Eclipse 9473		04-033/09:13:19.2
14620	M1O	04-033/09:26:27.8		NOTE: Ascending Node Crossing 9473		04-033/09:14:46.3
14621	M1O	04-033/09:30:00.0	63	Begin Pre-Cal		
14622	M1O	04-033/09:30:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
14623	M1O	04-033/09:30:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14624	M1O	04-033/09:30:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14625	M1O	04-033/09:30:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14626	M1O	04-033/09:30:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
14627	M1O	04-033/09:30:00.0	63	Config: RCV: Parms:		
14628	M1O	04-033/09:30:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14629	M1O	04-033/09:30:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
14630	M1O	04-033/09:30:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
14631	M1O	04-033/09:39:41.5		NOTE: Exit Solar Eclipse 9473		04-033/09:28:00.0
14632	M1O	04-033/09:54:27.0		NOTE: Apoapsis 9473 -		04-033/09:42:45.5
14633	M1O	04-033/09:56:26.9		NOTE: North Pole Crossing 9473		04-033/09:44:45.3
14634	M1O	04-033/10:00:00.0	55	Begin Pre-Cal		
14635	M1O	04-033/10:00:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
14636	M1O	04-033/10:00:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14637	M1O	04-033/10:00:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14638	M1O	04-033/10:00:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14639	M1O	04-033/10:00:00.0	55	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
14640	M1O	04-033/10:00:00.0	55	Config: RCV: Parms:		
14641	M1O	04-033/10:00:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14642	M1O	04-033/10:00:00.0	55	Config: TGC: BAND=X, SR=221200.000000		
14643	M1O	04-033/10:00:00.0	55	Config: TXL		
14644	M1O	04-033/10:00:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
14645	M1O	04-033/10:00:00.0	55	Config: CMD		
14646	M1O	04-033/10:00:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
14647	M1O	04-033/10:26:22.3		NOTE: Descending Node Crossing 9474		04-033/10:14:40.7
14648	M1O	04-033/10:54:11.2		NOTE: Periapsis 9474 ----------		04-033/10:42:29.5
14649	M1O	04-033/10:55:39.7		NOTE: South Pole Crossing 9474		04-033/10:43:57.9
14650	M1O	04-033/11:10:00.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
14651	M1O	04-033/11:20:00.0	45	Range Modulation Off		
14652	M1O	04-033/11:21:36.2	45	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
14653	M1O	04-033/11:23:35.2		NOTE: Enter Solar Eclipse 9474		04-033/11:11:53.4
14654	M1O	04-033/11:25:00.0	45	X-Band Transmitter Off		
14655	M1O	04-033/11:25:01.0		NOTE: Ascending Node Crossing 9474		04-033/11:13:19.1
14656	M1O	04-033/11:30:00.0	63	Begin Tracking		
14657	M1O	04-033/11:30:00.0	55	Begin Tracking		
14658	M1O	04-033/11:30:00.0	63	Acquire D/L: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14659	M1O	04-033/11:30:00.0	55	Acquire D/L: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14660	M1O	04-033/11:30:28.0	63	NOTE: Above Uplink Interlock Limit		
14661	M1O	04-033/11:30:29.0	55	NOTE: Above Uplink Interlock Limit		
14662	M1O	04-033/11:35:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14663	M1O	04-033/11:36:04.0	45	NOTE: Below Uplink Interlock Limit		
14664	M1O	04-033/11:37:38.0	43	NOTE: Below Uplink Interlock Limit		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14665	M1O	04-033/11:38:08.2		NOTE: Exit Solar Eclipse 9474		04-033/11:26:26.3
14666	M1O	04-033/11:40:00.0	55	Range Modulation On: SUP=3.0dB		
14667	M1O	04-033/11:41:00.0	55	Begin Ranging Acquisition		
14668	M1O	04-033/11:45:00.0	43	End Tracking		
14669	M1O	04-033/11:45:00.0	45	End Tracking		
14670	M1O	04-033/11:47:20.6		SPAWN, Engine = 65535, Parameters = 3, 00:16:00, 1	dpt	04-033/11:35:38.7
14671	M1O	04-033/11:47:22.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/11:35:40.8
14672	M1O	04-033/11:47:22.7	63	D/L Change: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14673	M1O	04-033/11:47:22.7	55	D/L Change: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14674	M1O	04-033/11:47:23.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-033/11:35:41.8
14675	M1O	04-033/11:48:23.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14676	M1O	04-033/11:48:23.7	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14677	M1O	04-033/11:53:13.8		NOTE: Apoapsis 9474 -		04-033/11:41:31.8
14678	M1O	04-033/11:55:01.4		NOTE: North Pole Crossing 9474		04-033/11:43:19.5
14679	M1O	04-033/11:58:23.7	63	Acquire D/L: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14680	M1O	04-033/11:58:23.7	55	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14681	M1O	04-033/12:00:00.0	43	End Post-Cal		
14682	M1O	04-033/12:00:00.0	45	End Post-Cal		
14683	M1O	04-033/12:03:22.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-033/11:51:40.8
14684	M1O	04-033/12:03:22.7	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		
14685	M1O	04-033/12:03:22.7	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14686	M1O	04-033/12:03:23.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-033/11:51:41.8
14687	M1O	04-033/12:15:38.0		SPAWN, Engine = 65535, Parameters = 033, 02, TRUE, 00:16:52, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-033/12:03:56.0
14688	M1O	04-033/12:15:39.1		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	04-033/12:03:57.1
14689	M1O	04-033/12:15:41.1		CALL, Engine = , Parameters = 253	get_cmd_opt	04-033/12:03:59.1
14690	M1O	04-033/12:15:41.4		CALL, Engine = , Parameters = 033, 02, 253	bld_autosw	04-033/12:03:59.4
14691	M1O	04-033/12:15:42.5		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-033/12:04:00.5
14692	M1O	04-033/12:15:43.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:01.6
14693	M1O	04-033/12:15:44.6		Deletes the designated file.: d:/dat/253_doy033_pass02_file01.dat	FILE_DELETE	04-033/12:04:02.6
14694	M1O	04-033/12:15:45.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:03.7
14695	M1O	04-033/12:15:46.7		Deletes the designated file.: d:/dat/253_doy033_pass02_file02.dat	FILE_DELETE	04-033/12:04:04.7
14696	M1O	04-033/12:15:47.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:05.8
14697	M1O	04-033/12:15:48.8		Deletes the designated file.: d:/dat/253_doy033_pass02_file03.dat	FILE_DELETE	04-033/12:04:06.8
14698	M1O	04-033/12:15:49.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:07.9
14699	M1O	04-033/12:15:50.9		Deletes the designated file.: d:/dat/253_doy033_pass02_file04.dat	FILE_DELETE	04-033/12:04:08.9
14700	M1O	04-033/12:15:52.0		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-033/12:04:10.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/253_doy033_pass02_file05.dat, d:/dat/autoswitch.dat		
14701	M1O	04-033/12:15:53.0		Deletes the designated file.: d:/dat/253_doy033_pass02_file05.dat	FILE_DELETE	04-033/12:04:11.0
14702	M1O	04-033/12:15:54.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:12.1
14703	M1O	04-033/12:15:55.1		Deletes the designated file.: d:/dat/253_doy033_pass02_file06.dat	FILE_DELETE	04-033/12:04:13.1
14704	M1O	04-033/12:15:56.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:14.2
14705	M1O	04-033/12:15:57.2		Deletes the designated file.: d:/dat/253_doy033_pass02_file07.dat	FILE_DELETE	04-033/12:04:15.2
14706	M1O	04-033/12:15:58.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:16.3
14707	M1O	04-033/12:15:59.3		Deletes the designated file.: d:/dat/253_doy033_pass02_file08.dat	FILE_DELETE	04-033/12:04:17.3
14708	M1O	04-033/12:16:00.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:18.4
14709	M1O	04-033/12:16:01.4		Deletes the designated file.: d:/dat/253_doy033_pass02_file09.dat	FILE_DELETE	04-033/12:04:19.4
14710	M1O	04-033/12:16:02.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:20.5
14711	M1O	04-033/12:16:03.5		Deletes the designated file.: d:/dat/253_doy033_pass02_file10.dat	FILE_DELETE	04-033/12:04:21.5
14712	M1O	04-033/12:16:04.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:22.6
14713	M1O	04-033/12:16:05.6		Deletes the designated file.: d:/dat/253_doy033_pass02_file11.dat	FILE_DELETE	04-033/12:04:23.6
14714	M1O	04-033/12:16:06.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:24.7
14715	M1O	04-033/12:16:07.7		Deletes the designated file.: d:/dat/253_doy033_pass02_file12.dat	FILE_DELETE	04-033/12:04:25.7
14716	M1O	04-033/12:16:08.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:26.8
14717	M1O	04-033/12:16:09.8		Deletes the designated file.: d:/dat/253_doy033_pass02_file13.dat	FILE_DELETE	04-033/12:04:27.8
14718	M1O	04-033/12:16:10.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:28.9
14719	M1O	04-033/12:16:11.9		Deletes the designated file.: d:/dat/253_doy033_pass02_file14.dat	FILE_DELETE	04-033/12:04:29.9
14720	M1O	04-033/12:16:13.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:31.0
14721	M1O	04-033/12:16:14.0		Deletes the designated file.: d:/dat/253_doy033_pass02_file15.dat	FILE_DELETE	04-033/12:04:32.0
14722	M1O	04-033/12:16:15.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:33.1
14723	M1O	04-033/12:16:16.1		Deletes the designated file.: d:/dat/253_doy033_pass02_file16.dat	FILE_DELETE	04-033/12:04:34.1
14724	M1O	04-033/12:16:17.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:35.2
14725	M1O	04-033/12:16:18.2		Deletes the designated file.: d:/dat/253_doy033_pass02_file17.dat	FILE_DELETE	04-033/12:04:36.2
14726	M1O	04-033/12:16:19.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:37.3
14727	M1O	04-033/12:16:20.3		Deletes the designated file.: d:/dat/253_doy033_pass02_file18.dat	FILE_DELETE	04-033/12:04:38.3
14728	M1O	04-033/12:16:21.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy033_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:04:39.4
14729	M1O	04-033/12:16:22.4		Deletes the designated file.: d:/dat/253_doy033_pass02_file19.dat	FILE_DELETE	04-033/12:04:40.4
14730	M1O	04-033/12:16:23.4		CALL, Engine = , Parameters = 253	get_apid	04-033/12:04:41.4
14731	M1O	04-033/12:16:24.5		CALL, Engine = , Parameters = 253	get_rcv_mode	04-033/12:04:42.5
14732	M1O	04-033/12:16:24.7		CALL, Engine = , Parameters = 253	get_dl_rate	04-033/12:04:42.7
14733	M1O	04-033/12:16:25.8		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-033/12:04:43.8
14734	M1O	04-033/12:16:27.1		CALL, Engine = , Parameters = 253	get_coding	04-033/12:04:45.1
14735	M1O	04-033/12:16:28.3		CALL, Engine = , Parameters = 253	get_xmt_mode	04-033/12:04:46.3
14736	M1O	04-033/12:16:29.5		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-033/12:04:47.5
14737	M1O	04-033/12:17:34.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-033/12:05:52.3
14738	M1O	04-033/12:17:35.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-033/12:05:53.3
14739	M1O	04-033/12:17:36.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-033/12:05:54.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14740	M1O	04-033/12:17:37.3		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-033/12:05:55.3
14741	M1O	04-033/12:17:38.3		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-033/12:05:56.3
14742	M1O	04-033/12:17:39.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-033/12:05:57.3
14743	M1O	04-033/12:17:40.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-033/12:05:58.3
14744	M1O	04-033/12:19:30.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/12:07:48.3
14745	M1O	04-033/12:19:30.3	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		
14746	M1O	04-033/12:19:30.3	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14747	M1O	04-033/12:19:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/12:07:53.5
14748	M1O	04-033/12:19:40.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-033/12:07:58.3
14749	M1O	04-033/12:24:58.3		NOTE: Descending Node Crossing 9475		04-033/12:13:16.3
14750	M1O	04-033/12:34:30.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-033/12:22:48.3
14751	M1O	04-033/12:34:31.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-033/12:22:49.4
14752	M1O	04-033/12:34:41.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-033/12:22:59.4
14753	M1O	04-033/12:34:42.4		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	04-033/12:23:00.4
14754	M1O	04-033/12:34:43.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-033/12:23:01.4
14755	M1O	04-033/12:34:43.4	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		
14756	M1O	04-033/12:34:43.4	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14757	M1O	04-033/12:34:44.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-033/12:23:02.4
14758	M1O	04-033/12:39:43.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-033/12:28:01.0
14759	M1O	04-033/12:39:43.0	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		
14760	M1O	04-033/12:39:43.0	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14761	M1O	04-033/12:52:56.3		NOTE: Periapsis 9475 ----------		04-033/12:41:14.2
14762	M1O	04-033/12:54:15.7		NOTE: South Pole Crossing 9475		04-033/12:42:33.5
14763	M1O	04-033/13:07:16.1		SPAWN, Engine = 65535, Parameters = 033, 03, TRUE, 00:19:22, 254, TRUE, 128_KPS, 00:02:00, 00:00:00	uhf	04-033/12:55:34.0
14764	M1O	04-033/13:07:17.2		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	04-033/12:55:35.1
14765	M1O	04-033/13:07:19.2		CALL, Engine = , Parameters = 254	get_cmd_opt	04-033/12:55:37.1
14766	M1O	04-033/13:07:19.5		CALL, Engine = , Parameters = 033, 03, 254	bld_autosw	04-033/12:55:37.4
14767	M1O	04-033/13:07:20.6		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-033/12:55:38.5
14768	M1O	04-033/13:07:21.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:55:39.6
14769	M1O	04-033/13:07:22.7		Deletes the designated file.: d:/dat/254_doy033_pass03_file01.dat	FILE_DELETE	04-033/12:55:40.6
14770	M1O	04-033/13:07:23.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:55:41.7
14771	M1O	04-033/13:07:24.8		Deletes the designated file.: d:/dat/254_doy033_pass03_file02.dat	FILE_DELETE	04-033/12:55:42.7
14772	M1O	04-033/13:07:25.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:55:43.8
14773	M1O	04-033/13:07:26.9		Deletes the designated file.: d:/dat/254_doy033_pass03_file03.dat	FILE_DELETE	04-033/12:55:44.8
14774	M1O	04-033/13:07:28.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:55:45.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14775	M1O	04-033/13:07:29.0		Deletes the designated file.: d:/dat/254_doy033_pass03_file04.dat	FILE_DELETE	04-033/12:55:46.9
14776	M1O	04-033/13:07:30.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:55:48.0
14777	M1O	04-033/13:07:31.1		Deletes the designated file.: d:/dat/254_doy033_pass03_file05.dat	FILE_DELETE	04-033/12:55:49.0
14778	M1O	04-033/13:07:32.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:55:50.1
14779	M1O	04-033/13:07:33.2		Deletes the designated file.: d:/dat/254_doy033_pass03_file06.dat	FILE_DELETE	04-033/12:55:51.1
14780	M1O	04-033/13:07:34.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:55:52.2
14781	M1O	04-033/13:07:35.3		Deletes the designated file.: d:/dat/254_doy033_pass03_file07.dat	FILE_DELETE	04-033/12:55:53.2
14782	M1O	04-033/13:07:36.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:55:54.3
14783	M1O	04-033/13:07:37.4		Deletes the designated file.: d:/dat/254_doy033_pass03_file08.dat	FILE_DELETE	04-033/12:55:55.3
14784	M1O	04-033/13:07:38.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:55:56.4
14785	M1O	04-033/13:07:39.5		Deletes the designated file.: d:/dat/254_doy033_pass03_file09.dat	FILE_DELETE	04-033/12:55:57.4
14786	M1O	04-033/13:07:40.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:55:58.5
14787	M1O	04-033/13:07:41.6		Deletes the designated file.: d:/dat/254_doy033_pass03_file10.dat	FILE_DELETE	04-033/12:55:59.5
14788	M1O	04-033/13:07:42.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:56:00.6
14789	M1O	04-033/13:07:43.7		Deletes the designated file.: d:/dat/254_doy033_pass03_file11.dat	FILE_DELETE	04-033/12:56:01.6
14790	M1O	04-033/13:07:44.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:56:02.7
14791	M1O	04-033/13:07:45.8		Deletes the designated file.: d:/dat/254_doy033_pass03_file12.dat	FILE_DELETE	04-033/12:56:03.7
14792	M1O	04-033/13:07:46.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:56:04.8
14793	M1O	04-033/13:07:47.9		Deletes the designated file.: d:/dat/254_doy033_pass03_file13.dat	FILE_DELETE	04-033/12:56:05.8
14794	M1O	04-033/13:07:49.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:56:06.9
14795	M1O	04-033/13:07:50.0		Deletes the designated file.: d:/dat/254_doy033_pass03_file14.dat	FILE_DELETE	04-033/12:56:07.9
14796	M1O	04-033/13:07:51.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:56:09.0
14797	M1O	04-033/13:07:52.1		Deletes the designated file.: d:/dat/254_doy033_pass03_file15.dat	FILE_DELETE	04-033/12:56:10.0
14798	M1O	04-033/13:07:53.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:56:11.1
14799	M1O	04-033/13:07:54.2		Deletes the designated file.: d:/dat/254_doy033_pass03_file16.dat	FILE_DELETE	04-033/12:56:12.1
14800	M1O	04-033/13:07:55.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:56:13.2
14801	M1O	04-033/13:07:56.3		Deletes the designated file.: d:/dat/254_doy033_pass03_file17.dat	FILE_DELETE	04-033/12:56:14.2
14802	M1O	04-033/13:07:57.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:56:15.3
14803	M1O	04-033/13:07:58.4		Deletes the designated file.: d:/dat/254_doy033_pass03_file18.dat	FILE_DELETE	04-033/12:56:16.3
14804	M1O	04-033/13:07:59.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy033_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-033/12:56:17.4
14805	M1O	04-033/13:08:00.5		Deletes the designated file.: d:/dat/254_doy033_pass03_file19.dat	FILE_DELETE	04-033/12:56:18.4
14806	M1O	04-033/13:08:01.5		CALL, Engine = , Parameters = 254	get_apid	04-033/12:56:19.4
14807	M1O	04-033/13:08:02.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-033/12:56:20.5
14808	M1O	04-033/13:08:02.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-033/12:56:20.7
14809	M1O	04-033/13:08:03.9		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-033/12:56:21.8
14810	M1O	04-033/13:08:05.2		CALL, Engine = , Parameters = 254	get_coding	04-033/12:56:23.1
14811	M1O	04-033/13:08:06.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-033/12:56:24.3
14812	M1O	04-033/13:08:07.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-033/12:56:25.5
14813	M1O	04-033/13:09:12.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-033/12:57:30.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14814	M1O	04-033/13:09:13.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-033/12:57:31.3
14815	M1O	04-033/13:09:14.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-033/12:57:32.3
14816	M1O	04-033/13:09:15.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-033/12:57:33.3
14817	M1O	04-033/13:09:16.4		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-033/12:57:34.3
14818	M1O	04-033/13:09:17.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-033/12:57:35.3
14819	M1O	04-033/13:09:18.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-033/12:57:36.3
14820	M1O	04-033/13:09:19.4		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-033/12:57:37.3
14821	M1O	04-033/13:09:20.4		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-033/12:57:38.3
14822	M1O	04-033/13:11:08.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/12:59:26.3
14823	M1O	04-033/13:11:08.4	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		
14824	M1O	04-033/13:11:08.4	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14825	M1O	04-033/13:11:13.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/12:59:31.5
14826	M1O	04-033/13:11:18.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-033/12:59:36.3
14827	M1O	04-033/13:22:10.1		NOTE: Enter Solar Eclipse 9475		04-033/13:10:27.9
14828	M1O	04-033/13:23:36.6		NOTE: Ascending Node Crossing 9475		04-033/13:11:54.4
14829	M1O	04-033/13:28:35.5		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-033/13:16:53.3
14830	M1O	04-033/13:28:36.5		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-033/13:16:54.3
14831	M1O	04-033/13:28:38.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-033/13:16:56.3
14832	M1O	04-033/13:28:39.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-033/13:16:57.4
14833	M1O	04-033/13:28:49.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-033/13:17:07.4
14834	M1O	04-033/13:28:50.6		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	04-033/13:17:08.4
14835	M1O	04-033/13:28:51.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-033/13:17:09.4
14836	M1O	04-033/13:28:51.6	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		
14837	M1O	04-033/13:28:51.6	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14838	M1O	04-033/13:28:52.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-033/13:17:10.4
14839	M1O	04-033/13:33:51.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-033/13:22:09.0
14840	M1O	04-033/13:33:51.2	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		
14841	M1O	04-033/13:33:51.2	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14842	M1O	04-033/13:36:39.9		NOTE: Exit Solar Eclipse 9475		04-033/13:24:57.6
14843	M1O	04-033/13:51:48.5		NOTE: Apoapsis 9475 -		04-033/13:40:06.2
14844	M1O	04-033/13:53:37.6		NOTE: North Pole Crossing 9475		04-033/13:41:55.3
14845	M1O	04-033/14:13:05.3		SPAWN, Engine = 65535, Parameters = 033, 03, FALSE, 00:16:44.998, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-033/14:01:23.0
14846	M1O	04-033/14:13:06.4		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	04-033/14:01:24.1
14847	M1O	04-033/14:13:08.4		CALL, Engine = , Parameters = 253	get_cmd_opt	04-033/14:01:26.1
14848	M1O	04-033/14:13:50.6		CALL, Engine = , Parameters = 253	get_apid	04-033/14:02:08.3
14849	M1O	04-033/14:13:51.7		CALL, Engine = , Parameters = 253	get_rcv_mode	04-033/14:02:09.4
14850	M1O	04-033/14:13:51.9		CALL, Engine = , Parameters = 253	get_dl_rate	04-033/14:02:09.6
14851	M1O	04-033/14:13:53.0		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-033/14:02:10.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14852	M1O	04-033/14:13:54.3		CALL, Engine = , Parameters = 253	get_coding	04-033/14:02:12.0
14853	M1O	04-033/14:13:55.5		CALL, Engine = , Parameters = 253	get_xmt_mode	04-033/14:02:13.2
14854	M1O	04-033/14:13:56.7		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-033/14:02:14.4
14855	M1O	04-033/14:15:01.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-033/14:03:19.2
14856	M1O	04-033/14:15:02.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-033/14:03:20.2
14857	M1O	04-033/14:15:03.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-033/14:03:21.2
14858	M1O	04-033/14:15:04.5		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-033/14:03:22.2
14859	M1O	04-033/14:15:05.5		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-033/14:03:23.2
14860	M1O	04-033/14:15:06.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-033/14:03:24.2
14861	M1O	04-033/14:15:07.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-033/14:03:25.2
14862	M1O	04-033/14:23:35.1		NOTE: Descending Node Crossing 9476		04-033/14:11:52.7
14863	M1O	04-033/14:31:48.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-033/14:20:06.1
14864	M1O	04-033/14:31:49.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-033/14:20:07.2
14865	M1O	04-033/14:31:59.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-033/14:20:17.2
14866	M1O	04-033/14:32:00.7		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	04-033/14:20:18.2
14867	M1O	04-033/14:51:30.5		NOTE: Periapsis 9476 ----------		04-033/14:39:48.0
14868	M1O	04-033/14:52:52.4		NOTE: South Pole Crossing 9476		04-033/14:41:09.9
14869	M1O	04-033/15:20:46.7		NOTE: Enter Solar Eclipse 9476		04-033/15:09:04.1
14870	M1O	04-033/15:22:13.1		NOTE: Ascending Node Crossing 9476		04-033/15:10:30.5
14871	M1O	04-033/15:35:16.1		NOTE: Exit Solar Eclipse 9476		04-033/15:23:33.5
14872	M1O	04-033/15:50:04.7		NOTE: Apoapsis 9476 -		04-033/15:38:22.0
14873	M1O	04-033/15:52:13.7		NOTE: North Pole Crossing 9476		04-033/15:40:31.0
14874	M1O	04-033/16:22:10.5		NOTE: Descending Node Crossing 9477		04-033/16:10:27.7
14875	M1O	04-033/16:50:01.6		NOTE: Periapsis 9477 ----------		04-033/16:38:18.7
14876	M1O	04-033/16:51:27.9		NOTE: South Pole Crossing 9477		04-033/16:39:45.0
14877	M1O	04-033/17:19:22.5		NOTE: Enter Solar Eclipse 9477		04-033/17:07:39.5
14878	M1O	04-033/17:20:48.7		NOTE: Ascending Node Crossing 9477		04-033/17:09:05.8
14879	M1O	04-033/17:33:54.9		NOTE: Exit Solar Eclipse 9477		04-033/17:22:11.9
14880	M1O	04-033/17:48:24.8		NOTE: Apoapsis 9477 -		04-033/17:36:41.7
14881	M1O	04-033/17:50:48.1		NOTE: North Pole Crossing 9477		04-033/17:39:05.1
14882	M1O	04-033/18:20:43.5		NOTE: Descending Node Crossing 9478		04-033/18:09:00.4
14883	M1O	04-033/18:48:34.9		NOTE: Periapsis 9478 ----------		04-033/18:36:51.7
14884	M1O	04-033/18:50:00.7		NOTE: South Pole Crossing 9478		04-033/18:38:17.4
14885	M1O	04-033/19:11:27.3		SPAWN, Engine = 65535, Parameters = 033, 04, FALSE, 00:19:26.631, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-033/18:59:44.0
14886	M1O	04-033/19:11:28.4		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	04-033/18:59:45.1
14887	M1O	04-033/19:11:30.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-033/18:59:47.1
14888	M1O	04-033/19:12:12.6		CALL, Engine = , Parameters = 56	get_apid	04-033/19:00:29.3
14889	M1O	04-033/19:12:13.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-033/19:00:30.4
14890	M1O	04-033/19:12:13.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-033/19:00:30.6
14891	M1O	04-033/19:12:15.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-033/19:00:31.7
14892	M1O	04-033/19:12:16.2		CALL, Engine = , Parameters = 56	get_coding	04-033/19:00:32.9
14893	M1O	04-033/19:12:17.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-033/19:00:34.1
14894	M1O	04-033/19:12:18.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-033/19:00:35.3
14895	M1O	04-033/19:13:23.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-033/19:01:40.1
14896	M1O	04-033/19:13:24.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-033/19:01:41.1
14897	M1O	04-033/19:13:25.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-033/19:01:42.1
14898	M1O	04-033/19:13:26.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-033/19:01:43.1
14899	M1O	04-033/19:13:27.4		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-033/19:01:44.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14900	M1O	04-033/19:13:28.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-033/19:01:45.1
14901	M1O	04-033/19:13:29.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-033/19:01:46.1
14902	M1O	04-033/19:17:54.4		NOTE: Enter Solar Eclipse 9478		04-033/19:06:11.0
14903	M1O	04-033/19:19:21.3		NOTE: Ascending Node Crossing 9478		04-033/19:07:37.9
14904	M1O	04-033/19:32:30.4		NOTE: Exit Solar Eclipse 9478		04-033/19:20:47.0
14905	M1O	04-033/19:32:52.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-033/19:21:08.7
14906	M1O	04-033/19:32:53.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-033/19:21:09.8
14907	M1O	04-033/19:33:03.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-033/19:21:19.8
14908	M1O	04-033/19:33:04.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-033/19:21:20.8
14909	M1O	04-033/19:47:07.1		NOTE: Apoapsis 9478 -		04-033/19:35:23.6
14910	M1O	04-033/19:49:20.0		NOTE: North Pole Crossing 9478		04-033/19:37:36.5
14911	M1O	04-033/20:19:14.8		NOTE: Descending Node Crossing 9479		04-033/20:07:31.2
14912	M1O	04-033/20:45:00.0	25	Begin Pre-Cal		
14913	M1O	04-033/20:45:00.0	25	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
14914	M1O	04-033/20:45:00.0	25	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14915	M1O	04-033/20:45:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14916	M1O	04-033/20:45:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14917	M1O	04-033/20:45:00.0	25	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
14918	M1O	04-033/20:45:00.0	25	Config: RCV: Parms:		
14919	M1O	04-033/20:45:00.0	25	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14920	M1O	04-033/20:45:00.0	25	Config: TGC: BAND=X, SR=221200.000000		
14921	M1O	04-033/20:45:00.0	25	Config: TXL		
14922	M1O	04-033/20:45:00.0	25	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
14923	M1O	04-033/20:45:00.0	25	Config: CMD		
14924	M1O	04-033/20:45:00.0	25	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
14925	M1O	04-033/20:47:01.0		NOTE: Periapsis 9479 ----------		04-033/20:35:17.4
14926	M1O	04-033/20:48:31.0		NOTE: South Pole Crossing 9479		04-033/20:36:47.3
14927	M1O	04-033/21:16:24.9		NOTE: Enter Solar Eclipse 9479		04-033/21:04:41.2
14928	M1O	04-033/21:17:51.1		NOTE: Ascending Node Crossing 9479		04-033/21:06:07.4
14929	M1O	04-033/21:30:56.2		NOTE: Exit Solar Eclipse 9479		04-033/21:19:12.4
14930	M1O	04-033/21:45:32.1		NOTE: Apoapsis 9479 -		04-033/21:33:48.3
14931	M1O	04-033/21:47:50.8		NOTE: North Pole Crossing 9479		04-033/21:36:06.9
14932	M1O	04-033/22:17:46.3		NOTE: Descending Node Crossing 9480		04-033/22:06:02.4
14933	M1O	04-033/22:36:31.9	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
14934	M1O	04-033/22:39:34.0	63	NOTE: Below Uplink Interlock Limit		
14935	M1O	04-033/22:41:00.0	55	Range Modulation Off		
14936	M1O	04-033/22:45:00.0	25	Begin Tracking		
14937	M1O	04-033/22:45:00.0	25	Acquire D/L: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14938	M1O	04-033/22:45:10.9		NOTE: Periapsis 9480 ----------		04-033/22:33:26.9
14939	M1O	04-033/22:46:00.0	25	U/L Transfer From DSS-55 to DSS-25: PWR=20.0, BR=125.0		
14940	M1O	04-033/22:47:02.5		NOTE: South Pole Crossing 9480		04-033/22:35:18.5
14941	M1O	04-033/22:51:00.0	25	Range Modulation On: SUP=3.0dB		
14942	M1O	04-033/22:52:00.0	25	Begin Ranging Acquisition		
14943	M1O	04-033/22:58:58.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-033/22:47:14.8
14944	M1O	04-033/22:59:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-033/22:47:16.9
14945	M1O	04-033/22:59:01.0	25	D/L Change: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14946	M1O	04-033/22:59:01.0	63	D/L Change: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
14947	M1O	04-033/22:59:01.0	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14948	M1O	04-033/22:59:02.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-033/22:47:17.9
14949	M1O	04-033/23:00:00.0	63	End Tracking		
14950	M1O	04-033/23:00:00.0	55	End Tracking		
14951	M1O	04-033/23:00:00.9		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-033/22:48:16.8
14952	M1O	04-033/23:00:00.9		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	04-033/22:48:16.8
14953	M1O	04-033/23:00:00.9	25	D/L Change: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14954	M1O	04-033/23:00:06.9		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-033/22:48:22.8
14955	M1O	04-033/23:00:06.9	25	D/L Change: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14956	M1O	04-033/23:05:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-033/22:53:16.9
14957	M1O	04-033/23:05:01.0	25	D/L Change: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14958	M1O	04-033/23:05:02.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-033/22:53:17.9
14959	M1O	04-033/23:09:28.0	25	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14960	M1O	04-033/23:15:00.0	63	End Post-Cal		
14961	M1O	04-033/23:15:00.0	55	End Post-Cal		
14962	M1O	04-033/23:15:01.0		NOTE: Enter Solar Eclipse 9480		04-033/23:03:16.9
14963	M1O	04-033/23:16:23.5		NOTE: Ascending Node Crossing 9480		04-033/23:04:39.4
14964	M1O	04-033/23:29:20.8		NOTE: Exit Solar Eclipse 9480		04-033/23:17:36.6
14965	M1O	04-033/23:43:48.7		NOTE: Apoapsis 9480 -		04-033/23:32:04.5
14966	M1O	04-033/23:46:24.1		NOTE: North Pole Crossing 9480		04-033/23:34:39.9
14967	M1O	04-034/00:00:00.0		Light Time: OWLT = 11:44, RTLT = 23:28		
14968	M1O	04-034/00:00:00.0	14	Begin Pre-Cal		
14969	M1O	04-034/00:00:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
14970	M1O	04-034/00:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14971	M1O	04-034/00:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14972	M1O	04-034/00:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14973	M1O	04-034/00:00:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
14974	M1O	04-034/00:00:00.0	14	Config: RCV: Parms:		
14975	M1O	04-034/00:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14976	M1O	04-034/00:00:00.0	14	Config: TGC: BAND=X, SR=79632.000000		
14977	M1O	04-034/00:00:00.0	14	Config: TXL		
14978	M1O	04-034/00:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
14979	M1O	04-034/00:00:00.0	14	Config: CMD		
14980	M1O	04-034/00:00:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
14981	M1O	04-034/00:01:38.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
14982	M1O	04-034/00:11:38.0	25	Range Modulation Off		
14983	M1O	04-034/00:12:27.2		SPAWN, Engine = 65535, Parameters = 034, 01, FALSE, 00:15:05.075, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-034/00:00:43.0
14984	M1O	04-034/00:12:28.3		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	04-034/00:00:44.1
14985	M1O	04-034/00:12:30.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-034/00:00:46.1
14986	M1O	04-034/00:13:12.5		CALL, Engine = , Parameters = 254	get_apid	04-034/00:01:28.3
14987	M1O	04-034/00:13:13.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-034/00:01:29.4
14988	M1O	04-034/00:13:13.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-034/00:01:29.6
14989	M1O	04-034/00:13:14.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-034/00:01:30.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14990	M1O	04-034/00:13:16.2		CALL, Engine = , Parameters = 254	get_coding	04-034/00:01:32.0
14991	M1O	04-034/00:13:17.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-034/00:01:33.2
14992	M1O	04-034/00:13:18.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-034/00:01:34.4
14993	M1O	04-034/00:14:23.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-034/00:02:39.2
14994	M1O	04-034/00:14:24.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-034/00:02:40.2
14995	M1O	04-034/00:14:25.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-034/00:02:41.2
14996	M1O	04-034/00:14:26.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-034/00:02:42.2
14997	M1O	04-034/00:14:27.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-034/00:02:43.2
14998	M1O	04-034/00:14:28.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-034/00:02:44.2
14999	M1O	04-034/00:14:29.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-034/00:02:45.2
15000	M1O	04-034/00:16:20.3		NOTE: Descending Node Crossing 9481		04-034/00:04:36.0
15001	M1O	04-034/00:16:38.0	25	X-Band Transmitter Off		
15002	M1O	04-034/00:29:21.3		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-034/00:17:37.0
15003	M1O	04-034/00:29:21.4		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-034/00:17:37.1
15004	M1O	04-034/00:29:22.4		Forces a desaturation of the reaction wheels.	RW_DESAT	04-034/00:17:38.1
15005	M1O	04-034/00:29:30.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-034/00:17:46.2
15006	M1O	04-034/00:29:31.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-034/00:17:47.3
15007	M1O	04-034/00:29:41.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-034/00:17:57.3
15008	M1O	04-034/00:29:42.7		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	04-034/00:17:58.3
15009	M1O	04-034/00:31:56.3		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-034/00:20:12.0
15010	M1O	04-034/00:32:12.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-032T00:20:12.100, 2004-034T00:20:12.100	PCKTS_RE_TX_TIME	04-034/00:20:27.8
15011	M1O	04-034/00:32:13.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-032T00:20:12.100, 2004-034T00:20:12.100	PCKTS_RE_TX_TIME	04-034/00:20:28.8
15012	M1O	04-034/00:32:14.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-032T00:20:12.100, 2004-034T00:20:12.100	PCKTS_RE_TX_TIME	04-034/00:20:29.8
15013	M1O	04-034/00:32:15.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-032T00:20:12.100, 2004-034T00:20:12.100	PCKTS_RE_TX_TIME	04-034/00:20:30.8
15014	M1O	04-034/00:32:16.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-032T00:20:12.100, 2004-034T00:20:12.100	PCKTS_RE_TX_TIME	04-034/00:20:31.8
15015	M1O	04-034/00:32:17.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-032T00:20:12.100, 2004-034T00:20:12.100	PCKTS_RE_TX_TIME	04-034/00:20:32.8
15016	M1O	04-034/00:32:17.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-034/00:20:32.8
15017	M1O	04-034/00:32:17.1	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15018	M1O	04-034/00:36:31.1	25	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
15019	M1O	04-034/00:39:18.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/00:27:33.8
15020	M1O	04-034/00:39:18.1	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15021	M1O	04-034/00:39:19.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-034/00:27:34.8
15022	M1O	04-034/00:39:35.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-034/00:27:50.8
15023	M1O	04-034/00:39:35.1	25	D/L RF Warning: SC antenna change - expect signal level variation		
15024	M1O	04-034/00:39:36.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-034/00:27:51.8
15025	M1O	04-034/00:40:06.6	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15026	M1O	04-034/00:40:52.4		CALL, Engine = , Parameters = FALSE	park_hga	04-034/00:29:08.1
15027	M1O	04-034/00:40:52.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/00:29:08.1
15028	M1O	04-034/00:40:53.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-034/00:29:09.1
15029	M1O	04-034/00:40:54.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-034/00:29:10.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15030	M1O	04-034/00:40:54.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-034/00:29:10.1
15031	M1O	04-034/00:40:54.4		NOTE: START HGA PARK		
15032	M1O	04-034/00:40:54.4	25	NOTE: Loss Of X-Band Signal		
15033	M1O	04-034/00:40:55.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-034/00:29:11.1
15034	M1O	04-034/00:40:56.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-034/00:29:12.1
15035	M1O	04-034/00:43:52.4		NOTE: Periapsis 9481 ----------		04-034/00:32:08.0
15036	M1O	04-034/00:45:26.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-034/00:33:42.1
15037	M1O	04-034/00:45:37.9		NOTE: South Pole Crossing 9481		04-034/00:33:53.5
15038	M1O	04-034/00:48:56.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-034/00:37:12.1
15039	M1O	04-034/00:48:56.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-034/00:37:12.1
15040	M1O	04-034/00:59:54.1		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-034/00:48:09.7
15041	M1O	04-034/01:00:00.0	25	End Tracking		
15042	M1O	04-034/01:00:00.0	25	End Post-Cal		
15043	M1O	04-034/01:00:00.0	14	Begin Tracking		
15044	M1O	04-034/01:00:00.1		NOTE: Changing to 70M downlink rate: 110600_BPS		04-034/00:48:15.7
15045	M1O	04-034/01:00:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 110600_BPS	DOWNLINK_RATE	04-034/00:48:15.7
15046	M1O	04-034/01:03:19.4		SPAWN, Engine = 65535, Parameters = 034, 01, TRUE, 00:18:56, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-034/00:51:35.0
15047	M1O	04-034/01:03:20.5		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	04-034/00:51:36.1
15048	M1O	04-034/01:03:22.5		CALL, Engine = , Parameters = 253	get_cmd_opt	04-034/00:51:38.1
15049	M1O	04-034/01:03:22.8		CALL, Engine = , Parameters = 034, 01, 253	bld_autosw	04-034/00:51:38.4
15050	M1O	04-034/01:03:23.9		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-034/00:51:39.5
15051	M1O	04-034/01:03:25.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:51:40.6
15052	M1O	04-034/01:03:26.0		Deletes the designated file.: d:/dat/253_doy034_pass01_file01.dat	FILE_DELETE	04-034/00:51:41.6
15053	M1O	04-034/01:03:27.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:51:42.7
15054	M1O	04-034/01:03:28.1		Deletes the designated file.: d:/dat/253_doy034_pass01_file02.dat	FILE_DELETE	04-034/00:51:43.7
15055	M1O	04-034/01:03:29.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:51:44.8
15056	M1O	04-034/01:03:30.2		Deletes the designated file.: d:/dat/253_doy034_pass01_file03.dat	FILE_DELETE	04-034/00:51:45.8
15057	M1O	04-034/01:03:31.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:51:46.9
15058	M1O	04-034/01:03:32.3		Deletes the designated file.: d:/dat/253_doy034_pass01_file04.dat	FILE_DELETE	04-034/00:51:47.9
15059	M1O	04-034/01:03:33.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:51:49.0
15060	M1O	04-034/01:03:34.4		Deletes the designated file.: d:/dat/253_doy034_pass01_file05.dat	FILE_DELETE	04-034/00:51:50.0
15061	M1O	04-034/01:03:35.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:51:51.1
15062	M1O	04-034/01:03:36.5		Deletes the designated file.: d:/dat/253_doy034_pass01_file06.dat	FILE_DELETE	04-034/00:51:52.1
15063	M1O	04-034/01:03:37.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:51:53.2
15064	M1O	04-034/01:03:38.6		Deletes the designated file.: d:/dat/253_doy034_pass01_file07.dat	FILE_DELETE	04-034/00:51:54.2
15065	M1O	04-034/01:03:39.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:51:55.3
15066	M1O	04-034/01:03:40.7		Deletes the designated file.: d:/dat/253_doy034_pass01_file08.dat	FILE_DELETE	04-034/00:51:56.3
15067	M1O	04-034/01:03:41.8		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-034/00:51:57.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/253_doy034_pass01_file09.dat, d:/dat/autoswitch.dat		
15068	M1O	04-034/01:03:42.8		Deletes the designated file.: d:/dat/253_doy034_pass01_file09.dat	FILE_DELETE	04-034/00:51:58.4
15069	M1O	04-034/01:03:43.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:51:59.5
15070	M1O	04-034/01:03:44.9		Deletes the designated file.: d:/dat/253_doy034_pass01_file10.dat	FILE_DELETE	04-034/00:52:00.5
15071	M1O	04-034/01:03:46.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:52:01.6
15072	M1O	04-034/01:03:47.0		Deletes the designated file.: d:/dat/253_doy034_pass01_file11.dat	FILE_DELETE	04-034/00:52:02.6
15073	M1O	04-034/01:03:48.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:52:03.7
15074	M1O	04-034/01:03:49.1		Deletes the designated file.: d:/dat/253_doy034_pass01_file12.dat	FILE_DELETE	04-034/00:52:04.7
15075	M1O	04-034/01:03:50.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:52:05.8
15076	M1O	04-034/01:03:51.2		Deletes the designated file.: d:/dat/253_doy034_pass01_file13.dat	FILE_DELETE	04-034/00:52:06.8
15077	M1O	04-034/01:03:52.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:52:07.9
15078	M1O	04-034/01:03:53.3		Deletes the designated file.: d:/dat/253_doy034_pass01_file14.dat	FILE_DELETE	04-034/00:52:08.9
15079	M1O	04-034/01:03:54.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:52:10.0
15080	M1O	04-034/01:03:55.4		Deletes the designated file.: d:/dat/253_doy034_pass01_file15.dat	FILE_DELETE	04-034/00:52:11.0
15081	M1O	04-034/01:03:56.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:52:12.1
15082	M1O	04-034/01:03:57.5		Deletes the designated file.: d:/dat/253_doy034_pass01_file16.dat	FILE_DELETE	04-034/00:52:13.1
15083	M1O	04-034/01:03:58.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:52:14.2
15084	M1O	04-034/01:03:59.6		Deletes the designated file.: d:/dat/253_doy034_pass01_file17.dat	FILE_DELETE	04-034/00:52:15.2
15085	M1O	04-034/01:04:00.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:52:16.3
15086	M1O	04-034/01:04:01.7		Deletes the designated file.: d:/dat/253_doy034_pass01_file18.dat	FILE_DELETE	04-034/00:52:17.3
15087	M1O	04-034/01:04:02.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/00:52:18.4
15088	M1O	04-034/01:04:03.8		Deletes the designated file.: d:/dat/253_doy034_pass01_file19.dat	FILE_DELETE	04-034/00:52:19.4
15089	M1O	04-034/01:04:04.8		CALL, Engine = , Parameters = 253	get_apid	04-034/00:52:20.4
15090	M1O	04-034/01:04:05.9		CALL, Engine = , Parameters = 253	get_rcv_mode	04-034/00:52:21.5
15091	M1O	04-034/01:04:06.1		CALL, Engine = , Parameters = 253	get_dl_rate	04-034/00:52:21.7
15092	M1O	04-034/01:04:07.2		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-034/00:52:22.8
15093	M1O	04-034/01:04:08.5		CALL, Engine = , Parameters = 253	get_coding	04-034/00:52:24.1
15094	M1O	04-034/01:04:09.7		CALL, Engine = , Parameters = 253	get_xmt_mode	04-034/00:52:25.3
15095	M1O	04-034/01:04:10.9		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-034/00:52:26.5
15096	M1O	04-034/01:05:15.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-034/00:53:31.3
15097	M1O	04-034/01:05:16.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-034/00:53:32.3
15098	M1O	04-034/01:05:17.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-034/00:53:33.3
15099	M1O	04-034/01:05:18.7		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-034/00:53:34.3
15100	M1O	04-034/01:05:19.7		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-034/00:53:35.3
15101	M1O	04-034/01:05:20.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-034/00:53:36.3
15102	M1O	04-034/01:05:21.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-034/00:53:37.3
15103	M1O	04-034/01:07:11.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/00:55:27.3
15104	M1O	04-034/01:07:21.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-034/00:55:37.3
15105	M1O	04-034/01:13:21.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15106	M1O	04-034/01:13:38.4		NOTE: Enter Solar Eclipse 9481		04-034/01:01:53.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15107	M1O	04-034/01:14:59.9		NOTE: Ascending Node Crossing 9481		04-034/01:03:15.4
15108	M1O	04-034/01:18:21.0	14	Range Modulation On: SUP=3.0dB		
15109	M1O	04-034/01:18:56.5		GV: GV_DESAT_ACTIVE = 1		04-034/01:07:12.0
15110	M1O	04-034/01:18:57.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-034/01:07:13.0
15111	M1O	04-034/01:18:57.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-034/01:07:13.0
15112	M1O	04-034/01:19:21.0	14	Begin Ranging Acquisition		
15113	M1O	04-034/01:24:15.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-034/01:12:31.3
15114	M1O	04-034/01:24:16.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-034/01:12:32.4
15115	M1O	04-034/01:24:26.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-034/01:12:42.4
15116	M1O	04-034/01:24:27.9		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	04-034/01:12:43.4
15117	M1O	04-034/01:24:28.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-034/01:12:44.4
15118	M1O	04-034/01:24:29.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-034/01:12:45.4
15119	M1O	04-034/01:27:54.5		NOTE: Exit Solar Eclipse 9481		04-034/01:16:10.0
15120	M1O	04-034/01:28:56.5		GV: GV_DESAT_ACTIVE = 0		04-034/01:17:12.0
15121	M1O	04-034/01:28:57.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-034/01:17:13.0
15122	M1O	04-034/01:28:58.5		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-034/01:17:14.0
15123	M1O	04-034/01:28:59.5		CALL, Engine = , Parameters =	unpark_hga	04-034/01:17:15.0
15124	M1O	04-034/01:28:59.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-034/01:17:15.0
15125	M1O	04-034/01:29:00.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-034/01:17:16.0
15126	M1O	04-034/01:33:30.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-034/01:21:46.0
15127	M1O	04-034/01:33:31.5		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-034/01:21:47.0
15128	M1O	04-034/01:36:24.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-034/01:24:40.1
15129	M1O	04-034/01:36:24.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/01:24:40.2
15130	M1O	04-034/01:36:25.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-034/01:24:41.2
15131	M1O	04-034/01:36:26.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-034/01:24:42.2
15132	M1O	04-034/01:36:27.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-034/01:24:43.2
15133	M1O	04-034/01:36:28.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-034/01:24:44.2
15134	M1O	04-034/01:36:38.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-034/01:24:54.2
15135	M1O	04-034/01:36:48.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-034/01:25:04.2
15136	M1O	04-034/01:37:31.5		NOTE: EXIT HGA PARK		
15137	M1O	04-034/01:37:31.5	14	Acquisition Of X-Band Signal		
15138	M1O	04-034/01:37:31.5	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15139	M1O	04-034/01:41:48.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-034/01:30:04.2
15140	M1O	04-034/01:41:49.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-034/01:30:05.2
15141	M1O	04-034/01:41:49.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15142	M1O	04-034/01:41:50.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/01:30:05.7
15143	M1O	04-034/01:41:50.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15144	M1O	04-034/01:41:50.8		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-034/01:30:06.2
15145	M1O	04-034/01:42:38.5		NOTE: Apoapsis 9481 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15146	M1O	04-034/01:42:49.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-034/01:31:05.0
15147	M1O	04-034/01:42:49.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15148	M1O	04-034/01:45:00.1		NOTE: North Pole Crossing 9481		04-034/01:33:15.5
15149	M1O	04-034/02:08:14.6		SPAWN, Engine = 65535, Parameters = 034, 02, TRUE, 00:18:02, 254, FALSE, 128_KPS, 00:02:00, 00:00:00	uhf	04-034/01:56:30.0
15150	M1O	04-034/02:08:15.7		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	04-034/01:56:31.1
15151	M1O	04-034/02:08:17.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-034/01:56:33.1
15152	M1O	04-034/02:08:18.0		CALL, Engine = , Parameters = 034, 02, 254	bld_autosw	04-034/01:56:33.4
15153	M1O	04-034/02:08:19.1		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-034/01:56:34.5
15154	M1O	04-034/02:08:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:56:35.6
15155	M1O	04-034/02:08:21.2		Deletes the designated file.: d:/dat/254_doy034_pass02_file01.dat	FILE_DELETE	04-034/01:56:36.6
15156	M1O	04-034/02:08:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:56:37.7
15157	M1O	04-034/02:08:23.3		Deletes the designated file.: d:/dat/254_doy034_pass02_file02.dat	FILE_DELETE	04-034/01:56:38.7
15158	M1O	04-034/02:08:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:56:39.8
15159	M1O	04-034/02:08:25.4		Deletes the designated file.: d:/dat/254_doy034_pass02_file03.dat	FILE_DELETE	04-034/01:56:40.8
15160	M1O	04-034/02:08:26.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:56:41.9
15161	M1O	04-034/02:08:27.5		Deletes the designated file.: d:/dat/254_doy034_pass02_file04.dat	FILE_DELETE	04-034/01:56:42.9
15162	M1O	04-034/02:08:28.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:56:44.0
15163	M1O	04-034/02:08:29.6		Deletes the designated file.: d:/dat/254_doy034_pass02_file05.dat	FILE_DELETE	04-034/01:56:45.0
15164	M1O	04-034/02:08:30.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:56:46.1
15165	M1O	04-034/02:08:31.7		Deletes the designated file.: d:/dat/254_doy034_pass02_file06.dat	FILE_DELETE	04-034/01:56:47.1
15166	M1O	04-034/02:08:32.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:56:48.2
15167	M1O	04-034/02:08:33.8		Deletes the designated file.: d:/dat/254_doy034_pass02_file07.dat	FILE_DELETE	04-034/01:56:49.2
15168	M1O	04-034/02:08:34.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:56:50.3
15169	M1O	04-034/02:08:35.9		Deletes the designated file.: d:/dat/254_doy034_pass02_file08.dat	FILE_DELETE	04-034/01:56:51.3
15170	M1O	04-034/02:08:37.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:56:52.4
15171	M1O	04-034/02:08:38.0		Deletes the designated file.: d:/dat/254_doy034_pass02_file09.dat	FILE_DELETE	04-034/01:56:53.4
15172	M1O	04-034/02:08:39.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:56:54.5
15173	M1O	04-034/02:08:40.1		Deletes the designated file.: d:/dat/254_doy034_pass02_file10.dat	FILE_DELETE	04-034/01:56:55.5
15174	M1O	04-034/02:08:41.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:56:56.6
15175	M1O	04-034/02:08:42.2		Deletes the designated file.: d:/dat/254_doy034_pass02_file11.dat	FILE_DELETE	04-034/01:56:57.6
15176	M1O	04-034/02:08:43.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:56:58.7
15177	M1O	04-034/02:08:44.3		Deletes the designated file.: d:/dat/254_doy034_pass02_file12.dat	FILE_DELETE	04-034/01:56:59.7
15178	M1O	04-034/02:08:45.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:57:00.8
15179	M1O	04-034/02:08:46.4		Deletes the designated file.: d:/dat/254_doy034_pass02_file13.dat	FILE_DELETE	04-034/01:57:01.8
15180	M1O	04-034/02:08:47.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:57:02.9
15181	M1O	04-034/02:08:48.5		Deletes the designated file.: d:/dat/254_doy034_pass02_file14.dat	FILE_DELETE	04-034/01:57:03.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15182	M1O	04-034/02:08:49.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:57:05.0
15183	M1O	04-034/02:08:50.6		Deletes the designated file.: d:/dat/254_doy034_pass02_file15.dat	FILE_DELETE	04-034/01:57:06.0
15184	M1O	04-034/02:08:51.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:57:07.1
15185	M1O	04-034/02:08:52.7		Deletes the designated file.: d:/dat/254_doy034_pass02_file16.dat	FILE_DELETE	04-034/01:57:08.1
15186	M1O	04-034/02:08:53.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:57:09.2
15187	M1O	04-034/02:08:54.8		Deletes the designated file.: d:/dat/254_doy034_pass02_file17.dat	FILE_DELETE	04-034/01:57:10.2
15188	M1O	04-034/02:08:55.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:57:11.3
15189	M1O	04-034/02:08:56.9		Deletes the designated file.: d:/dat/254_doy034_pass02_file18.dat	FILE_DELETE	04-034/01:57:12.3
15190	M1O	04-034/02:08:58.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/01:57:13.4
15191	M1O	04-034/02:08:59.0		Deletes the designated file.: d:/dat/254_doy034_pass02_file19.dat	FILE_DELETE	04-034/01:57:14.4
15192	M1O	04-034/02:09:00.0		CALL, Engine = , Parameters = 254	get_apid	04-034/01:57:15.4
15193	M1O	04-034/02:09:01.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-034/01:57:16.5
15194	M1O	04-034/02:09:01.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-034/01:57:16.7
15195	M1O	04-034/02:09:02.4		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-034/01:57:17.8
15196	M1O	04-034/02:09:03.7		CALL, Engine = , Parameters = 254	get_coding	04-034/01:57:19.1
15197	M1O	04-034/02:09:04.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-034/01:57:20.3
15198	M1O	04-034/02:09:06.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-034/01:57:21.5
15199	M1O	04-034/02:10:10.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-034/01:58:26.3
15200	M1O	04-034/02:10:11.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-034/01:58:27.3
15201	M1O	04-034/02:10:12.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-034/01:58:28.3
15202	M1O	04-034/02:10:13.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-034/01:58:29.3
15203	M1O	04-034/02:10:14.9		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-034/01:58:30.3
15204	M1O	04-034/02:10:15.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-034/01:58:31.3
15205	M1O	04-034/02:10:16.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-034/01:58:32.3
15206	M1O	04-034/02:12:06.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/02:00:22.3
15207	M1O	04-034/02:12:06.9	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15208	M1O	04-034/02:12:12.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/02:00:27.5
15209	M1O	04-034/02:12:16.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-034/02:00:32.3
15210	M1O	04-034/02:14:56.3		NOTE: Descending Node Crossing 9482		04-034/02:03:11.6
15211	M1O	04-034/02:28:17.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-034/02:16:32.3
15212	M1O	04-034/02:28:18.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-034/02:16:33.4
15213	M1O	04-034/02:28:28.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-034/02:16:43.4
15214	M1O	04-034/02:28:29.1		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	04-034/02:16:44.4
15215	M1O	04-034/02:28:30.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-034/02:16:45.4
15216	M1O	04-034/02:28:30.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15217	M1O	04-034/02:28:31.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-034/02:16:46.4
15218	M1O	04-034/02:33:29.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-034/02:21:45.0
15219	M1O	04-034/02:33:29.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15220	M1O	04-034/02:42:53.5		NOTE: Periapsis 9482 ----------		04-034/02:31:08.7
15221	M1O	04-034/02:44:14.7		NOTE: South Pole Crossing 9482		04-034/02:32:29.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15222	M1O	04-034/03:03:41.8		SPAWN, Engine = 65535, Parameters = 034, 02, FALSE, 00:12:49.636, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-034/02:51:57.0
15223	M1O	04-034/03:03:42.9		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	04-034/02:51:58.1
15224	M1O	04-034/03:03:44.9		CALL, Engine = , Parameters = 253	get_cmd_opt	04-034/02:52:00.1
15225	M1O	04-034/03:04:27.1		CALL, Engine = , Parameters = 253	get_apid	04-034/02:52:42.3
15226	M1O	04-034/03:04:28.2		CALL, Engine = , Parameters = 253	get_rcv_mode	04-034/02:52:43.4
15227	M1O	04-034/03:04:28.4		CALL, Engine = , Parameters = 253	get_dl_rate	04-034/02:52:43.6
15228	M1O	04-034/03:04:29.5		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-034/02:52:44.7
15229	M1O	04-034/03:04:30.8		CALL, Engine = , Parameters = 253	get_coding	04-034/02:52:46.0
15230	M1O	04-034/03:04:32.0		CALL, Engine = , Parameters = 253	get_xmt_mode	04-034/02:52:47.2
15231	M1O	04-034/03:04:33.2		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-034/02:52:48.4
15232	M1O	04-034/03:05:38.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-034/02:53:53.2
15233	M1O	04-034/03:05:39.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-034/02:53:54.2
15234	M1O	04-034/03:05:40.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-034/02:53:55.2
15235	M1O	04-034/03:05:41.0		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-034/02:53:56.2
15236	M1O	04-034/03:05:42.0		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-034/02:53:57.2
15237	M1O	04-034/03:05:43.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-034/02:53:58.2
15238	M1O	04-034/03:05:44.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-034/02:53:59.2
15239	M1O	04-034/03:12:13.1		NOTE: Enter Solar Eclipse 9482		04-034/03:00:28.2
15240	M1O	04-034/03:13:36.6		NOTE: Ascending Node Crossing 9482		04-034/03:01:51.8
15241	M1O	04-034/03:18:29.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-034/03:06:44.8
15242	M1O	04-034/03:18:30.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-034/03:06:45.9
15243	M1O	04-034/03:18:40.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-034/03:06:55.9
15244	M1O	04-034/03:18:41.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-034/03:06:56.9
15245	M1O	04-034/03:26:31.9		NOTE: Exit Solar Eclipse 9482		04-034/03:14:47.0
15246	M1O	04-034/03:41:45.7		NOTE: Apoapsis 9482 -		04-034/03:30:00.7
15247	M1O	04-034/03:43:36.4		NOTE: North Pole Crossing 9482		04-034/03:31:51.4
15248	M1O	04-034/04:13:32.8		NOTE: Descending Node Crossing 9483		04-034/04:01:47.7
15249	M1O	04-034/04:41:48.5		NOTE: Periapsis 9483 ----------		04-034/04:30:03.3
15250	M1O	04-034/04:42:50.8		NOTE: South Pole Crossing 9483		04-034/04:31:05.6
15251	M1O	04-034/05:00:00.0	43	Begin Pre-Cal		
15252	M1O	04-034/05:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
15253	M1O	04-034/05:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15254	M1O	04-034/05:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15255	M1O	04-034/05:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15256	M1O	04-034/05:00:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
15257	M1O	04-034/05:00:00.0	43	Config: RCV: Parms:		
15258	M1O	04-034/05:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15259	M1O	04-034/05:00:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
15260	M1O	04-034/05:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
15261	M1O	04-034/05:10:45.2		NOTE: Enter Solar Eclipse 9483		04-034/04:59:00.0
15262	M1O	04-034/05:12:11.7		NOTE: Ascending Node Crossing 9483		04-034/05:00:26.5
15263	M1O	04-034/05:25:09.1		NOTE: Exit Solar Eclipse 9483		04-034/05:13:23.8
15264	M1O	04-034/05:40:30.1		NOTE: Apoapsis 9483 -		04-034/05:28:44.8
15265	M1O	04-034/05:42:11.4		NOTE: North Pole Crossing 9483		04-034/05:30:26.0
15266	M1O	04-034/05:59:29.4		SPAWN, Engine = 65535, Parameters = 034, 01, FALSE, 00:14:31.748, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-034/05:47:44.0
15267	M1O	04-034/05:59:30.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-034/05:47:45.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15268	M1O	04-034/05:59:32.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-034/05:47:47.1
15269	M1O	04-034/06:00:14.7		CALL, Engine = , Parameters = 56	get_apid	04-034/05:48:29.3
15270	M1O	04-034/06:00:15.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-034/05:48:30.4
15271	M1O	04-034/06:00:16.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-034/05:48:30.6
15272	M1O	04-034/06:00:17.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-034/05:48:31.7
15273	M1O	04-034/06:00:18.3		CALL, Engine = , Parameters = 56	get_coding	04-034/05:48:32.9
15274	M1O	04-034/06:00:19.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-034/05:48:34.1
15275	M1O	04-034/06:00:20.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-034/05:48:35.3
15276	M1O	04-034/06:01:25.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-034/05:49:40.1
15277	M1O	04-034/06:01:26.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-034/05:49:41.1
15278	M1O	04-034/06:01:27.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-034/05:49:42.1
15279	M1O	04-034/06:01:28.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-034/05:49:43.1
15280	M1O	04-034/06:01:29.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-034/05:49:44.1
15281	M1O	04-034/06:01:30.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-034/05:49:45.1
15282	M1O	04-034/06:01:31.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-034/05:49:46.1
15283	M1O	04-034/06:05:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
15284	M1O	04-034/06:12:07.7		NOTE: Descending Node Crossing 9484		04-034/06:00:22.3
15285	M1O	04-034/06:15:00.0	43	Begin Tracking		
15286	M1O	04-034/06:15:00.0	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		
15287	M1O	04-034/06:15:00.0	14	Range Modulation Off		
15288	M1O	04-034/06:15:59.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-034/06:04:13.8
15289	M1O	04-034/06:16:00.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-034/06:04:14.9
15290	M1O	04-034/06:16:10.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-034/06:04:24.9
15291	M1O	04-034/06:16:11.4		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	04-034/06:04:25.9
15292	M1O	04-034/06:16:29.0	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
15293	M1O	04-034/06:20:00.0	14	X-Band Transmitter Off		
15294	M1O	04-034/06:30:59.0	14	NOTE: Below Uplink Interlock Limit		
15295	M1O	04-034/06:37:28.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-034/06:25:43.4
15296	M1O	04-034/06:37:31.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/06:25:45.5
15297	M1O	04-034/06:37:31.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15298	M1O	04-034/06:37:31.0	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		
15299	M1O	04-034/06:37:32.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-034/06:25:46.5
15300	M1O	04-034/06:40:00.0	14	End Tracking		
15301	M1O	04-034/06:40:17.2		NOTE: Periapsis 9484 ----------		04-034/06:28:31.7
15302	M1O	04-034/06:41:24.4		NOTE: South Pole Crossing 9484		04-034/06:29:38.9
15303	M1O	04-034/06:43:30.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15304	M1O	04-034/06:43:31.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-034/06:31:45.5
15305	M1O	04-034/06:43:31.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15306	M1O	04-034/06:43:31.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/06:31:46.0
15307	M1O	04-034/06:43:31.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15308	M1O	04-034/06:43:32.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-034/06:31:46.5
15309	M1O	04-034/06:48:35.5		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-034/06:36:50.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
15310	M1O	04-034/06:48:35.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15311	M1O	04-034/06:55:00.0	14	End Post-Cal		
15312	M1O	04-034/07:09:16.3		NOTE: Enter Solar Eclipse 9484		04-034/06:57:30.7
15313	M1O	04-034/07:10:44.3		NOTE: Ascending Node Crossing 9484		04-034/06:58:58.7
15314	M1O	04-034/07:11:45.6		SPAWN, Engine = 65535, Parameters =	scdiag	04-034/07:00:00.0
15315	M1O	04-034/07:11:46.7		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-034/07:00:01.1
15316	M1O	04-034/07:11:47.7		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-034/07:00:02.1
15317	M1O	04-034/07:12:48.6		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-034/07:01:03.0
15318	M1O	04-034/07:12:48.8		NOTE: Start Block fsw_diag		04-034/07:01:03.2
15319	M1O	04-034/07:12:49.8		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-034/07:01:04.2
15320	M1O	04-034/07:12:50.8		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	04-034/07:01:05.2
15321	M1O	04-034/07:13:01.8		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	04-034/07:01:16.2
15322	M1O	04-034/07:13:31.8		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-034/07:01:46.2
15323	M1O	04-034/07:13:51.8		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-034/07:02:06.2
15324	M1O	04-034/07:14:01.8		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-034/07:02:16.2
15325	M1O	04-034/07:14:21.8		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-034/07:02:36.2
15326	M1O	04-034/07:14:31.8		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-034/07:02:46.2
15327	M1O	04-034/07:14:36.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-034/07:02:51.2
15328	M1O	04-034/07:14:41.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-034/07:02:56.2
15329	M1O	04-034/07:14:46.8		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-034/07:03:01.2
15330	M1O	04-034/07:14:51.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-034/07:03:06.2
15331	M1O	04-034/07:14:56.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-034/07:03:11.2
15332	M1O	04-034/07:15:36.8		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-034/07:03:51.2
15333	M1O	04-034/07:15:41.8		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-034/07:03:56.2
15334	M1O	04-034/07:15:46.8		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-034/07:04:01.2
15335	M1O	04-034/07:15:51.8		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-034/07:04:06.2
15336	M1O	04-034/07:15:56.8		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-034/07:04:11.2
15337	M1O	04-034/07:15:57.8		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-034/07:04:12.2
15338	M1O	04-034/07:15:58.8		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-034/07:04:13.2
15339	M1O	04-034/07:15:59.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-034/07:04:14.2
15340	M1O	04-034/07:16:10.8		NOTE: End Block fsw_diag.mod		04-034/07:04:25.2
15341	M1O	04-034/07:23:43.9		NOTE: Exit Solar Eclipse 9484		04-034/07:11:58.2
15342	M1O	04-034/07:38:43.6		NOTE: Apoapsis 9484 -		04-034/07:26:57.9
15343	M1O	04-034/07:40:43.7		NOTE: North Pole Crossing 9484		04-034/07:28:58.0
15344	M1O	04-034/07:54:56.7		SPAWN, Engine = 65535, Parameters = 034, 02, FALSE, 00:18:34.327, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-034/07:43:11.0
15345	M1O	04-034/07:54:57.8		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	04-034/07:43:12.1
15346	M1O	04-034/07:54:59.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-034/07:43:14.1
15347	M1O	04-034/07:55:42.0		CALL, Engine = , Parameters = 56	get_apid	04-034/07:43:56.3
15348	M1O	04-034/07:55:43.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-034/07:43:57.4
15349	M1O	04-034/07:55:43.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-034/07:43:57.6
15350	M1O	04-034/07:55:44.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-034/07:43:58.7
15351	M1O	04-034/07:55:45.6		CALL, Engine = , Parameters = 56	get_coding	04-034/07:43:59.9
15352	M1O	04-034/07:55:46.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-034/07:44:01.1
15353	M1O	04-034/07:55:48.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-034/07:44:02.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15354	M1O	04-034/07:56:52.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-034/07:45:07.1
15355	M1O	04-034/07:56:53.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-034/07:45:08.1
15356	M1O	04-034/07:56:54.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-034/07:45:09.1
15357	M1O	04-034/07:56:55.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-034/07:45:10.1
15358	M1O	04-034/07:56:56.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-034/07:45:11.1
15359	M1O	04-034/07:56:57.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-034/07:45:12.1
15360	M1O	04-034/07:56:58.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-034/07:45:13.1
15361	M1O	04-034/08:10:39.3		NOTE: Descending Node Crossing 9485		04-034/07:58:53.5
15362	M1O	04-034/08:15:29.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-034/08:03:43.4
15363	M1O	04-034/08:15:30.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-034/08:03:44.5
15364	M1O	04-034/08:15:40.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-034/08:03:54.5
15365	M1O	04-034/08:15:41.3		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	04-034/08:03:55.5
15366	M1O	04-034/08:38:28.1		NOTE: Periapsis 9485 ----------		04-034/08:26:42.2
15367	M1O	04-034/08:39:55.6		NOTE: South Pole Crossing 9485		04-034/08:28:09.6
15368	M1O	04-034/09:00:00.0	45	Begin Pre-Cal		
15369	M1O	04-034/09:00:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
15370	M1O	04-034/09:00:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15371	M1O	04-034/09:00:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15372	M1O	04-034/09:00:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15373	M1O	04-034/09:00:00.0	45	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
15374	M1O	04-034/09:00:00.0	45	Config: RCV: Parms:		
15375	M1O	04-034/09:00:00.0	45	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15376	M1O	04-034/09:00:00.0	45	Config: TGC: BAND=X, SR=221200.000000		
15377	M1O	04-034/09:00:00.0	45	Config: TXL		
15378	M1O	04-034/09:00:00.0	45	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
15379	M1O	04-034/09:00:00.0	45	Config: CMD		
15380	M1O	04-034/09:00:00.0	45	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
15381	M1O	04-034/09:07:49.2		NOTE: Enter Solar Eclipse 9485		04-034/08:56:03.2
15382	M1O	04-034/09:09:15.6		NOTE: Ascending Node Crossing 9485		04-034/08:57:29.6
15383	M1O	04-034/09:22:14.3		NOTE: Exit Solar Eclipse 9485		04-034/09:10:28.2
15384	M1O	04-034/09:30:00.0	45	Begin Tracking		
15385	M1O	04-034/09:30:00.0	45	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15386	M1O	04-034/09:30:00.0	63	Begin Pre-Cal		
15387	M1O	04-034/09:30:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
15388	M1O	04-034/09:30:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15389	M1O	04-034/09:30:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15390	M1O	04-034/09:30:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15391	M1O	04-034/09:30:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
15392	M1O	04-034/09:30:00.0	63	Config: RCV: Parms:		
15393	M1O	04-034/09:30:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15394	M1O	04-034/09:30:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
15395	M1O	04-034/09:30:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
15396	M1O	04-034/09:31:00.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15397	M1O	04-034/09:36:00.0	45	Range Modulation On: SUP=3.0dB		
15398	M1O	04-034/09:37:00.0	45	Begin Ranging Acquisition		
15399	M1O	04-034/09:37:01.5		NOTE: Apoapsis 9485 -		04-034/09:25:15.5
15400	M1O	04-034/09:39:14.5		NOTE: North Pole Crossing 9485		04-034/09:27:28.4
15401	M1O	04-034/09:53:29.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-034/09:41:43.3
15402	M1O	04-034/09:53:31.5		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-034/09:41:45.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
15403	M1O	04-034/09:53:31.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15404	M1O	04-034/09:53:31.5	45	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15405	M1O	04-034/09:53:32.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-034/09:41:46.4
15406	M1O	04-034/09:54:32.1	43	Acquire D/L: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15407	M1O	04-034/09:54:32.1	45	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15408	M1O	04-034/09:59:31.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-034/09:47:45.4
15409	M1O	04-034/09:59:31.5	43	D/L Change: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15410	M1O	04-034/09:59:31.5	45	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15411	M1O	04-034/09:59:32.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-034/09:47:46.4
15412	M1O	04-034/10:09:09.5		NOTE: Descending Node Crossing 9486		04-034/09:57:23.3
15413	M1O	04-034/10:36:49.8		NOTE: Periapsis 9486 ----------		04-034/10:25:03.5
15414	M1O	04-034/10:38:26.5		NOTE: South Pole Crossing 9486		04-034/10:26:40.2
15415	M1O	04-034/11:05:00.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
15416	M1O	04-034/11:06:23.3		NOTE: Enter Solar Eclipse 9486		04-034/10:54:36.9
15417	M1O	04-034/11:07:47.7		NOTE: Ascending Node Crossing 9486		04-034/10:56:01.3
15418	M1O	04-034/11:15:00.0	45	Range Modulation Off		
15419	M1O	04-034/11:16:27.0	45	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
15420	M1O	04-034/11:20:00.0	45	X-Band Transmitter Off		
15421	M1O	04-034/11:20:40.0		NOTE: Exit Solar Eclipse 9486		04-034/11:08:53.6
15422	M1O	04-034/11:30:00.0	63	Begin Tracking		
15423	M1O	04-034/11:30:00.0	63	Acquire D/L: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15424	M1O	04-034/11:33:43.0	45	NOTE: Below Uplink Interlock Limit		
15425	M1O	04-034/11:35:18.0	43	NOTE: Below Uplink Interlock Limit		
15426	M1O	04-034/11:35:49.6		NOTE: Apoapsis 9486 -		04-034/11:24:03.1
15427	M1O	04-034/11:37:47.7		NOTE: North Pole Crossing 9486		04-034/11:26:01.2
15428	M1O	04-034/11:40:00.0	45	End Tracking		
15429	M1O	04-034/11:42:29.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-034/11:30:43.3
15430	M1O	04-034/11:42:31.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/11:30:45.4
15431	M1O	04-034/11:42:31.9	43	D/L Change: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15432	M1O	04-034/11:42:31.9	63	D/L Change: X/08, 3-Way/45, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15433	M1O	04-034/11:42:32.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-034/11:30:46.4
15434	M1O	04-034/11:43:32.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15435	M1O	04-034/11:43:32.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15436	M1O	04-034/11:45:00.0	43	End Tracking		
15437	M1O	04-034/11:48:31.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-034/11:36:45.4
15438	M1O	04-034/11:48:31.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15439	M1O	04-034/11:48:32.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-034/11:36:46.4
15440	M1O	04-034/11:55:00.0	45	End Post-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15441	M1O	04-034/12:00:00.0	43	End Post-Cal		
15442	M1O	04-034/12:07:43.9		NOTE: Descending Node Crossing 9487		04-034/11:55:57.3
15443	M1O	04-034/12:35:34.6		NOTE: Periapsis 9487 ----------		04-034/12:23:47.9
15444	M1O	04-034/12:37:01.2		NOTE: South Pole Crossing 9487		04-034/12:25:14.5
15445	M1O	04-034/12:51:38.7		SPAWN, Engine = 65535, Parameters = 034, 03, TRUE, 00:16:58, 254, TRUE, 128_KPS, 00:02:00, 00:00:00	uhf	04-034/12:39:52.0
15446	M1O	04-034/12:51:39.8		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	04-034/12:39:53.1
15447	M1O	04-034/12:51:41.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-034/12:39:55.1
15448	M1O	04-034/12:51:42.1		CALL, Engine = , Parameters = 034, 03, 254	bld_autosw	04-034/12:39:55.4
15449	M1O	04-034/12:51:43.2		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-034/12:39:56.5
15450	M1O	04-034/12:51:44.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:39:57.6
15451	M1O	04-034/12:51:45.3		Deletes the designated file.: d:/dat/254_doy034_pass03_file01.dat	FILE_DELETE	04-034/12:39:58.6
15452	M1O	04-034/12:51:46.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:39:59.7
15453	M1O	04-034/12:51:47.4		Deletes the designated file.: d:/dat/254_doy034_pass03_file02.dat	FILE_DELETE	04-034/12:40:00.7
15454	M1O	04-034/12:51:48.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:01.8
15455	M1O	04-034/12:51:49.5		Deletes the designated file.: d:/dat/254_doy034_pass03_file03.dat	FILE_DELETE	04-034/12:40:02.8
15456	M1O	04-034/12:51:50.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:03.9
15457	M1O	04-034/12:51:51.6		Deletes the designated file.: d:/dat/254_doy034_pass03_file04.dat	FILE_DELETE	04-034/12:40:04.9
15458	M1O	04-034/12:51:52.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:06.0
15459	M1O	04-034/12:51:53.7		Deletes the designated file.: d:/dat/254_doy034_pass03_file05.dat	FILE_DELETE	04-034/12:40:07.0
15460	M1O	04-034/12:51:54.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:08.1
15461	M1O	04-034/12:51:55.8		Deletes the designated file.: d:/dat/254_doy034_pass03_file06.dat	FILE_DELETE	04-034/12:40:09.1
15462	M1O	04-034/12:51:56.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:10.2
15463	M1O	04-034/12:51:57.9		Deletes the designated file.: d:/dat/254_doy034_pass03_file07.dat	FILE_DELETE	04-034/12:40:11.2
15464	M1O	04-034/12:51:59.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:12.3
15465	M1O	04-034/12:52:00.0		Deletes the designated file.: d:/dat/254_doy034_pass03_file08.dat	FILE_DELETE	04-034/12:40:13.3
15466	M1O	04-034/12:52:01.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:14.4
15467	M1O	04-034/12:52:02.1		Deletes the designated file.: d:/dat/254_doy034_pass03_file09.dat	FILE_DELETE	04-034/12:40:15.4
15468	M1O	04-034/12:52:03.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:16.5
15469	M1O	04-034/12:52:04.2		Deletes the designated file.: d:/dat/254_doy034_pass03_file10.dat	FILE_DELETE	04-034/12:40:17.5
15470	M1O	04-034/12:52:05.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:18.6
15471	M1O	04-034/12:52:06.3		Deletes the designated file.: d:/dat/254_doy034_pass03_file11.dat	FILE_DELETE	04-034/12:40:19.6
15472	M1O	04-034/12:52:07.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:20.7
15473	M1O	04-034/12:52:08.4		Deletes the designated file.: d:/dat/254_doy034_pass03_file12.dat	FILE_DELETE	04-034/12:40:21.7
15474	M1O	04-034/12:52:09.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:22.8
15475	M1O	04-034/12:52:10.5		Deletes the designated file.: d:/dat/254_doy034_pass03_file13.dat	FILE_DELETE	04-034/12:40:23.8
15476	M1O	04-034/12:52:11.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:24.9
15477	M1O	04-034/12:52:12.6		Deletes the designated file.: d:/dat/254_doy034_pass03_file14.dat	FILE_DELETE	04-034/12:40:25.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15478	M1O	04-034/12:52:13.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:27.0
15479	M1O	04-034/12:52:14.7		Deletes the designated file.: d:/dat/254_doy034_pass03_file15.dat	FILE_DELETE	04-034/12:40:28.0
15480	M1O	04-034/12:52:15.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:29.1
15481	M1O	04-034/12:52:16.8		Deletes the designated file.: d:/dat/254_doy034_pass03_file16.dat	FILE_DELETE	04-034/12:40:30.1
15482	M1O	04-034/12:52:17.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:31.2
15483	M1O	04-034/12:52:18.9		Deletes the designated file.: d:/dat/254_doy034_pass03_file17.dat	FILE_DELETE	04-034/12:40:32.2
15484	M1O	04-034/12:52:20.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:33.3
15485	M1O	04-034/12:52:21.0		Deletes the designated file.: d:/dat/254_doy034_pass03_file18.dat	FILE_DELETE	04-034/12:40:34.3
15486	M1O	04-034/12:52:22.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/12:40:35.4
15487	M1O	04-034/12:52:23.1		Deletes the designated file.: d:/dat/254_doy034_pass03_file19.dat	FILE_DELETE	04-034/12:40:36.4
15488	M1O	04-034/12:52:24.1		CALL, Engine = , Parameters = 254	get_apid	04-034/12:40:37.4
15489	M1O	04-034/12:52:25.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-034/12:40:38.5
15490	M1O	04-034/12:52:25.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-034/12:40:38.7
15491	M1O	04-034/12:52:26.5		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-034/12:40:39.8
15492	M1O	04-034/12:52:27.8		CALL, Engine = , Parameters = 254	get_coding	04-034/12:40:41.1
15493	M1O	04-034/12:52:29.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-034/12:40:42.3
15494	M1O	04-034/12:52:30.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-034/12:40:43.5
15495	M1O	04-034/12:53:35.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-034/12:41:48.3
15496	M1O	04-034/12:53:36.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-034/12:41:49.3
15497	M1O	04-034/12:53:37.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-034/12:41:50.3
15498	M1O	04-034/12:53:38.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-034/12:41:51.3
15499	M1O	04-034/12:53:39.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-034/12:41:52.3
15500	M1O	04-034/12:53:40.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-034/12:41:53.3
15501	M1O	04-034/12:53:41.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-034/12:41:54.3
15502	M1O	04-034/12:53:42.0		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-034/12:41:55.3
15503	M1O	04-034/12:53:43.0		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-034/12:41:56.3
15504	M1O	04-034/12:55:31.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/12:43:44.3
15505	M1O	04-034/12:55:31.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15506	M1O	04-034/12:55:36.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/12:43:49.5
15507	M1O	04-034/12:55:41.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-034/12:43:54.3
15508	M1O	04-034/13:00:00.0	65	Begin Pre-Cal		
15509	M1O	04-034/13:00:00.0	65	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
15510	M1O	04-034/13:00:00.0	65	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15511	M1O	04-034/13:00:00.0	65	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15512	M1O	04-034/13:00:00.0	65	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15513	M1O	04-034/13:00:00.0	65	At BOT: S/C Tlm Mode: BR=0.0, FL=10112, SC=375KHZ, MI=71.7		
15514	M1O	04-034/13:00:00.0	65	Config: RCV: Parms:		
15515	M1O	04-034/13:00:00.0	65	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15516	M1O	04-034/13:00:00.0	65	Config: TGC: BAND=X, SR=0.000000		
15517	M1O	04-034/13:00:00.0	65	Config: TXL		
15518	M1O	04-034/13:00:00.0	65	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
15519	M1O	04-034/13:00:00.0	65	Config: CMD		
15520	M1O	04-034/13:00:00.0	65	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15521	M1O	04-034/13:04:57.6		NOTE: Enter Solar Eclipse 9487		04-034/12:53:10.9
15522	M1O	04-034/13:06:22.4		NOTE: Ascending Node Crossing 9487		04-034/12:54:35.6
15523	M1O	04-034/13:10:34.0		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-034/12:58:47.3
15524	M1O	04-034/13:10:35.0		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-034/12:58:48.3
15525	M1O	04-034/13:10:37.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-034/12:58:50.3
15526	M1O	04-034/13:10:38.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-034/12:58:51.4
15527	M1O	04-034/13:10:48.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-034/12:59:01.4
15528	M1O	04-034/13:10:49.1		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	04-034/12:59:02.4
15529	M1O	04-034/13:10:50.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-034/12:59:03.4
15530	M1O	04-034/13:10:50.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15531	M1O	04-034/13:10:51.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-034/12:59:04.4
15532	M1O	04-034/13:15:49.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-034/13:04:03.0
15533	M1O	04-034/13:15:49.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15534	M1O	04-034/13:19:09.2		NOTE: Exit Solar Eclipse 9487		04-034/13:07:22.4
15535	M1O	04-034/13:34:31.4		NOTE: Apoapsis 9487 -		04-034/13:22:44.5
15536	M1O	04-034/13:36:23.5		NOTE: North Pole Crossing 9487		04-034/13:24:36.6
15537	M1O	04-034/13:55:05.9		SPAWN, Engine = 65535, Parameters = 034, 03, TRUE, 00:19:22, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-034/13:43:19.0
15538	M1O	04-034/13:55:07.0		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	04-034/13:43:20.1
15539	M1O	04-034/13:55:09.0		CALL, Engine = , Parameters = 253	get_cmd_opt	04-034/13:43:22.1
15540	M1O	04-034/13:55:09.3		CALL, Engine = , Parameters = 034, 03, 253	bld_autosw	04-034/13:43:22.4
15541	M1O	04-034/13:55:10.4		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-034/13:43:23.5
15542	M1O	04-034/13:55:11.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:24.6
15543	M1O	04-034/13:55:12.5		Deletes the designated file.: d:/dat/253_doy034_pass03_file01.dat	FILE_DELETE	04-034/13:43:25.6
15544	M1O	04-034/13:55:13.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:26.7
15545	M1O	04-034/13:55:14.6		Deletes the designated file.: d:/dat/253_doy034_pass03_file02.dat	FILE_DELETE	04-034/13:43:27.7
15546	M1O	04-034/13:55:15.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:28.8
15547	M1O	04-034/13:55:16.7		Deletes the designated file.: d:/dat/253_doy034_pass03_file03.dat	FILE_DELETE	04-034/13:43:29.8
15548	M1O	04-034/13:55:17.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:30.9
15549	M1O	04-034/13:55:18.8		Deletes the designated file.: d:/dat/253_doy034_pass03_file04.dat	FILE_DELETE	04-034/13:43:31.9
15550	M1O	04-034/13:55:19.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:33.0
15551	M1O	04-034/13:55:20.9		Deletes the designated file.: d:/dat/253_doy034_pass03_file05.dat	FILE_DELETE	04-034/13:43:34.0
15552	M1O	04-034/13:55:22.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:35.1
15553	M1O	04-034/13:55:23.0		Deletes the designated file.: d:/dat/253_doy034_pass03_file06.dat	FILE_DELETE	04-034/13:43:36.1
15554	M1O	04-034/13:55:24.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:37.2
15555	M1O	04-034/13:55:25.1		Deletes the designated file.: d:/dat/253_doy034_pass03_file07.dat	FILE_DELETE	04-034/13:43:38.2
15556	M1O	04-034/13:55:26.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:39.3
15557	M1O	04-034/13:55:27.2		Deletes the designated file.: d:/dat/253_doy034_pass03_file08.dat	FILE_DELETE	04-034/13:43:40.3
15558	M1O	04-034/13:55:28.3		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-034/13:43:41.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/253_doy034_pass03_file09.dat, d:/dat/autoswitch.dat		
15559	M1O	04-034/13:55:29.3		Deletes the designated file.: d:/dat/253_doy034_pass03_file09.dat	FILE_DELETE	04-034/13:43:42.4
15560	M1O	04-034/13:55:30.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:43.5
15561	M1O	04-034/13:55:31.4		Deletes the designated file.: d:/dat/253_doy034_pass03_file10.dat	FILE_DELETE	04-034/13:43:44.5
15562	M1O	04-034/13:55:32.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:45.6
15563	M1O	04-034/13:55:33.5		Deletes the designated file.: d:/dat/253_doy034_pass03_file11.dat	FILE_DELETE	04-034/13:43:46.6
15564	M1O	04-034/13:55:34.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:47.7
15565	M1O	04-034/13:55:35.6		Deletes the designated file.: d:/dat/253_doy034_pass03_file12.dat	FILE_DELETE	04-034/13:43:48.7
15566	M1O	04-034/13:55:36.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:49.8
15567	M1O	04-034/13:55:37.7		Deletes the designated file.: d:/dat/253_doy034_pass03_file13.dat	FILE_DELETE	04-034/13:43:50.8
15568	M1O	04-034/13:55:38.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:51.9
15569	M1O	04-034/13:55:39.8		Deletes the designated file.: d:/dat/253_doy034_pass03_file14.dat	FILE_DELETE	04-034/13:43:52.9
15570	M1O	04-034/13:55:40.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:54.0
15571	M1O	04-034/13:55:41.9		Deletes the designated file.: d:/dat/253_doy034_pass03_file15.dat	FILE_DELETE	04-034/13:43:55.0
15572	M1O	04-034/13:55:43.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:56.1
15573	M1O	04-034/13:55:44.0		Deletes the designated file.: d:/dat/253_doy034_pass03_file16.dat	FILE_DELETE	04-034/13:43:57.1
15574	M1O	04-034/13:55:45.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:43:58.2
15575	M1O	04-034/13:55:46.1		Deletes the designated file.: d:/dat/253_doy034_pass03_file17.dat	FILE_DELETE	04-034/13:43:59.2
15576	M1O	04-034/13:55:47.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:44:00.3
15577	M1O	04-034/13:55:48.2		Deletes the designated file.: d:/dat/253_doy034_pass03_file18.dat	FILE_DELETE	04-034/13:44:01.3
15578	M1O	04-034/13:55:49.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy034_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/13:44:02.4
15579	M1O	04-034/13:55:50.3		Deletes the designated file.: d:/dat/253_doy034_pass03_file19.dat	FILE_DELETE	04-034/13:44:03.4
15580	M1O	04-034/13:55:51.3		CALL, Engine = , Parameters = 253	get_apid	04-034/13:44:04.4
15581	M1O	04-034/13:55:52.4		CALL, Engine = , Parameters = 253	get_rcv_mode	04-034/13:44:05.5
15582	M1O	04-034/13:55:52.6		CALL, Engine = , Parameters = 253	get_dl_rate	04-034/13:44:05.7
15583	M1O	04-034/13:55:53.7		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-034/13:44:06.8
15584	M1O	04-034/13:55:55.0		CALL, Engine = , Parameters = 253	get_coding	04-034/13:44:08.1
15585	M1O	04-034/13:55:56.2		CALL, Engine = , Parameters = 253	get_xmt_mode	04-034/13:44:09.3
15586	M1O	04-034/13:55:57.4		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-034/13:44:10.5
15587	M1O	04-034/13:57:02.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-034/13:45:15.3
15588	M1O	04-034/13:57:03.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-034/13:45:16.3
15589	M1O	04-034/13:57:04.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-034/13:45:17.3
15590	M1O	04-034/13:57:05.2		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-034/13:45:18.3
15591	M1O	04-034/13:57:06.2		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-034/13:45:19.3
15592	M1O	04-034/13:57:07.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-034/13:45:20.3
15593	M1O	04-034/13:57:08.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-034/13:45:21.3
15594	M1O	04-034/13:58:58.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/13:47:11.3
15595	M1O	04-034/13:58:58.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15596	M1O	04-034/13:59:03.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/13:47:16.5
15597	M1O	04-034/13:59:08.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data	DOWNLINK_MODE	04-034/13:47:21.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				stream.: RELAY_CMD		
15598	M1O	04-034/14:00:00.0	65	Begin Tracking		
15599	M1O	04-034/14:00:00.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15600	M1O	04-034/14:01:00.0	65	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15601	M1O	04-034/14:06:00.0	65	Range Modulation On: SUP=3.0dB		
15602	M1O	04-034/14:06:20.8		NOTE: Descending Node Crossing 9488		04-034/13:54:33.8
15603	M1O	04-034/14:07:00.0	65	Begin Ranging Acquisition		
15604	M1O	04-034/14:16:28.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-034/14:04:41.3
15605	M1O	04-034/14:16:29.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-034/14:04:42.4
15606	M1O	04-034/14:16:39.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-034/14:04:52.4
15607	M1O	04-034/14:16:40.3		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	04-034/14:04:53.4
15608	M1O	04-034/14:16:41.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-034/14:04:54.4
15609	M1O	04-034/14:16:41.3	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15610	M1O	04-034/14:16:41.3	65	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15611	M1O	04-034/14:16:42.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-034/14:04:55.4
15612	M1O	04-034/14:21:41.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-034/14:09:54.0
15613	M1O	04-034/14:21:41.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15614	M1O	04-034/14:21:41.0	65	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15615	M1O	04-034/14:23:31.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-034/14:11:44.4
15616	M1O	04-034/14:23:33.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/14:11:46.5
15617	M1O	04-034/14:23:33.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15618	M1O	04-034/14:23:33.5	65	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15619	M1O	04-034/14:23:34.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-034/14:11:47.5
15620	M1O	04-034/14:24:33.8	63	Acquire D/L: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15621	M1O	04-034/14:24:33.8	65	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15622	M1O	04-034/14:29:33.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-034/14:17:46.5
15623	M1O	04-034/14:29:33.5	63	D/L Change: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15624	M1O	04-034/14:29:33.5	65	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15625	M1O	04-034/14:29:34.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-034/14:17:47.5
15626	M1O	04-034/14:34:15.1		NOTE: Periapsis 9488 ----------		04-034/14:22:28.1
15627	M1O	04-034/14:35:38.0		NOTE: South Pole Crossing 9488		04-034/14:23:50.9
15628	M1O	04-034/14:49:05.0		SPAWN, Engine = 65535, Parameters = 034, 04, TRUE, 00:17:00, 254, TRUE, 128_KPS, 00:02:00, 00:00:00	uhf	04-034/14:37:18.0
15629	M1O	04-034/14:49:06.1		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	04-034/14:37:19.1
15630	M1O	04-034/14:49:08.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-034/14:37:21.1
15631	M1O	04-034/14:49:08.4		CALL, Engine = , Parameters = 034, 04, 254	bld_autosw	04-034/14:37:21.4
15632	M1O	04-034/14:49:09.5		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	04-034/14:37:22.5
15633	M1O	04-034/14:49:10.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:23.6
15634	M1O	04-034/14:49:11.6		Deletes the designated file.: d:/dat/254_doy034_pass04_file01.dat	FILE_DELETE	04-034/14:37:24.6
15635	M1O	04-034/14:49:12.7		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-034/14:37:25.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy034_pass04_file02.dat, d:/dat/autoswitch.dat		
15636	M1O	04-034/14:49:13.7		Deletes the designated file.: d:/dat/254_doy034_pass04_file02.dat	FILE_DELETE	04-034/14:37:26.7
15637	M1O	04-034/14:49:14.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:27.8
15638	M1O	04-034/14:49:15.8		Deletes the designated file.: d:/dat/254_doy034_pass04_file03.dat	FILE_DELETE	04-034/14:37:28.8
15639	M1O	04-034/14:49:16.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:29.9
15640	M1O	04-034/14:49:17.9		Deletes the designated file.: d:/dat/254_doy034_pass04_file04.dat	FILE_DELETE	04-034/14:37:30.9
15641	M1O	04-034/14:49:19.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:32.0
15642	M1O	04-034/14:49:20.0		Deletes the designated file.: d:/dat/254_doy034_pass04_file05.dat	FILE_DELETE	04-034/14:37:33.0
15643	M1O	04-034/14:49:21.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:34.1
15644	M1O	04-034/14:49:22.1		Deletes the designated file.: d:/dat/254_doy034_pass04_file06.dat	FILE_DELETE	04-034/14:37:35.1
15645	M1O	04-034/14:49:23.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:36.2
15646	M1O	04-034/14:49:24.2		Deletes the designated file.: d:/dat/254_doy034_pass04_file07.dat	FILE_DELETE	04-034/14:37:37.2
15647	M1O	04-034/14:49:25.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:38.3
15648	M1O	04-034/14:49:26.3		Deletes the designated file.: d:/dat/254_doy034_pass04_file08.dat	FILE_DELETE	04-034/14:37:39.3
15649	M1O	04-034/14:49:27.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:40.4
15650	M1O	04-034/14:49:28.4		Deletes the designated file.: d:/dat/254_doy034_pass04_file09.dat	FILE_DELETE	04-034/14:37:41.4
15651	M1O	04-034/14:49:29.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:42.5
15652	M1O	04-034/14:49:30.5		Deletes the designated file.: d:/dat/254_doy034_pass04_file10.dat	FILE_DELETE	04-034/14:37:43.5
15653	M1O	04-034/14:49:31.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:44.6
15654	M1O	04-034/14:49:32.6		Deletes the designated file.: d:/dat/254_doy034_pass04_file11.dat	FILE_DELETE	04-034/14:37:45.6
15655	M1O	04-034/14:49:33.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:46.7
15656	M1O	04-034/14:49:34.7		Deletes the designated file.: d:/dat/254_doy034_pass04_file12.dat	FILE_DELETE	04-034/14:37:47.7
15657	M1O	04-034/14:49:35.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:48.8
15658	M1O	04-034/14:49:36.8		Deletes the designated file.: d:/dat/254_doy034_pass04_file13.dat	FILE_DELETE	04-034/14:37:49.8
15659	M1O	04-034/14:49:37.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:50.9
15660	M1O	04-034/14:49:38.9		Deletes the designated file.: d:/dat/254_doy034_pass04_file14.dat	FILE_DELETE	04-034/14:37:51.9
15661	M1O	04-034/14:49:40.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:53.0
15662	M1O	04-034/14:49:41.0		Deletes the designated file.: d:/dat/254_doy034_pass04_file15.dat	FILE_DELETE	04-034/14:37:54.0
15663	M1O	04-034/14:49:42.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:55.1
15664	M1O	04-034/14:49:43.1		Deletes the designated file.: d:/dat/254_doy034_pass04_file16.dat	FILE_DELETE	04-034/14:37:56.1
15665	M1O	04-034/14:49:44.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:57.2
15666	M1O	04-034/14:49:45.2		Deletes the designated file.: d:/dat/254_doy034_pass04_file17.dat	FILE_DELETE	04-034/14:37:58.2
15667	M1O	04-034/14:49:46.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:37:59.3
15668	M1O	04-034/14:49:47.3		Deletes the designated file.: d:/dat/254_doy034_pass04_file18.dat	FILE_DELETE	04-034/14:38:00.3
15669	M1O	04-034/14:49:48.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy034_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-034/14:38:01.4
15670	M1O	04-034/14:49:49.4		Deletes the designated file.: d:/dat/254_doy034_pass04_file19.dat	FILE_DELETE	04-034/14:38:02.4
15671	M1O	04-034/14:49:50.4		CALL, Engine = , Parameters = 254	get_apid	04-034/14:38:03.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15672	M1O	04-034/14:49:51.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-034/14:38:04.5
15673	M1O	04-034/14:49:51.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-034/14:38:04.7
15674	M1O	04-034/14:49:52.8		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-034/14:38:05.8
15675	M1O	04-034/14:49:54.1		CALL, Engine = , Parameters = 254	get_coding	04-034/14:38:07.1
15676	M1O	04-034/14:49:55.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-034/14:38:08.3
15677	M1O	04-034/14:49:56.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-034/14:38:09.5
15678	M1O	04-034/14:51:01.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-034/14:39:14.3
15679	M1O	04-034/14:51:02.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-034/14:39:15.3
15680	M1O	04-034/14:51:03.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-034/14:39:16.3
15681	M1O	04-034/14:51:04.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-034/14:39:17.3
15682	M1O	04-034/14:51:05.3		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-034/14:39:18.3
15683	M1O	04-034/14:51:06.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-034/14:39:19.3
15684	M1O	04-034/14:51:07.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-034/14:39:20.3
15685	M1O	04-034/14:51:08.3		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-034/14:39:21.3
15686	M1O	04-034/14:51:09.3		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-034/14:39:22.3
15687	M1O	04-034/14:52:57.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/14:41:10.3
15688	M1O	04-034/14:52:57.4	63	D/L Change: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15689	M1O	04-034/14:52:57.4	65	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15690	M1O	04-034/14:53:02.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/14:41:15.5
15691	M1O	04-034/14:53:07.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-034/14:41:20.3
15692	M1O	04-034/15:03:33.5		NOTE: Enter Solar Eclipse 9488		04-034/14:51:46.4
15693	M1O	04-034/15:04:58.8		NOTE: Ascending Node Crossing 9488		04-034/14:53:11.7
15694	M1O	04-034/15:08:02.4		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-034/14:56:15.3
15695	M1O	04-034/15:08:03.4		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-034/14:56:16.3
15696	M1O	04-034/15:08:05.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-034/14:56:18.3
15697	M1O	04-034/15:08:06.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-034/14:56:19.4
15698	M1O	04-034/15:08:16.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-034/14:56:29.4
15699	M1O	04-034/15:08:17.5		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	04-034/14:56:30.4
15700	M1O	04-034/15:08:18.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-034/14:56:31.4
15701	M1O	04-034/15:08:18.5	63	D/L Change: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15702	M1O	04-034/15:08:18.5	65	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15703	M1O	04-034/15:08:19.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-034/14:56:32.4
15704	M1O	04-034/15:13:18.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-034/15:01:31.0
15705	M1O	04-034/15:13:18.1	63	D/L Change: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15706	M1O	04-034/15:13:18.1	65	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15707	M1O	04-034/15:17:43.6		NOTE: Exit Solar Eclipse 9488		04-034/15:05:56.4
15708	M1O	04-034/15:32:56.0		NOTE: Apoapsis 9488 -		04-034/15:21:08.8
15709	M1O	04-034/15:34:59.9		NOTE: North Pole Crossing 9488		04-034/15:23:12.7
15710	M1O	04-034/16:04:57.1		NOTE: Descending Node Crossing 9489		04-034/15:53:09.8
15711	M1O	04-034/16:32:45.2		NOTE: Periapsis 9489 ----------		04-034/16:20:57.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15712	M1O	04-034/16:34:14.4		NOTE: South Pole Crossing 9489		04-034/16:22:27.0
15713	M1O	04-034/17:02:10.5		NOTE: Enter Solar Eclipse 9489		04-034/16:50:23.0
15714	M1O	04-034/17:03:35.3		NOTE: Ascending Node Crossing 9489		04-034/16:51:47.8
15715	M1O	04-034/17:16:21.9		NOTE: Exit Solar Eclipse 9489		04-034/17:04:34.3
15716	M1O	04-034/17:31:09.6		NOTE: Apoapsis 9489 -		04-034/17:19:21.9
15717	M1O	04-034/17:33:35.5		NOTE: North Pole Crossing 9489		04-034/17:21:47.8
15718	M1O	04-034/18:03:31.4		NOTE: Descending Node Crossing 9490		04-034/17:51:43.7
15719	M1O	04-034/18:31:18.5		NOTE: Periapsis 9490 ----------		04-034/18:19:30.7
15720	M1O	04-034/18:32:48.7		NOTE: South Pole Crossing 9490		04-034/18:21:00.9
15721	M1O	04-034/18:55:12.8		SPAWN, Engine = 65535, Parameters = 034, 03, FALSE, 00:18:43.008, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-034/18:43:25.0
15722	M1O	04-034/18:55:13.9		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	04-034/18:43:26.1
15723	M1O	04-034/18:55:15.9		CALL, Engine = , Parameters = 56	get_cmd_opt	04-034/18:43:28.1
15724	M1O	04-034/18:55:58.1		CALL, Engine = , Parameters = 56	get_apid	04-034/18:44:10.3
15725	M1O	04-034/18:55:59.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-034/18:44:11.4
15726	M1O	04-034/18:55:59.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-034/18:44:11.6
15727	M1O	04-034/18:56:00.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-034/18:44:12.7
15728	M1O	04-034/18:56:01.7		CALL, Engine = , Parameters = 56	get_coding	04-034/18:44:13.9
15729	M1O	04-034/18:56:02.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-034/18:44:15.1
15730	M1O	04-034/18:56:04.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-034/18:44:16.3
15731	M1O	04-034/18:57:08.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-034/18:45:21.1
15732	M1O	04-034/18:57:09.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-034/18:45:22.1
15733	M1O	04-034/18:57:10.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-034/18:45:23.1
15734	M1O	04-034/18:57:11.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-034/18:45:24.1
15735	M1O	04-034/18:57:12.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-034/18:45:25.1
15736	M1O	04-034/18:57:13.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-034/18:45:26.1
15737	M1O	04-034/18:57:14.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-034/18:45:27.1
15738	M1O	04-034/19:00:44.4		NOTE: Enter Solar Eclipse 9490		04-034/18:48:56.5
15739	M1O	04-034/19:02:09.5		NOTE: Ascending Node Crossing 9490		04-034/18:50:21.6
15740	M1O	04-034/19:14:59.8		NOTE: Exit Solar Eclipse 9490		04-034/19:03:11.9
15741	M1O	04-034/19:15:54.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-034/19:04:06.1
15742	M1O	04-034/19:15:55.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-034/19:04:07.2
15743	M1O	04-034/19:16:05.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-034/19:04:17.2
15744	M1O	04-034/19:16:06.1		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	04-034/19:04:18.2
15745	M1O	04-034/19:29:44.3		NOTE: Apoapsis 9490 -		04-034/19:17:56.3
15746	M1O	04-034/19:32:08.5		NOTE: North Pole Crossing 9490		04-034/19:20:20.5
15747	M1O	04-034/20:02:03.4		NOTE: Descending Node Crossing 9491		04-034/19:50:15.3
15748	M1O	04-034/20:29:51.1		NOTE: Periapsis 9491 ----------		04-034/20:18:02.9
15749	M1O	04-034/20:31:20.0		NOTE: South Pole Crossing 9491		04-034/20:19:31.8
15750	M1O	04-034/20:54:40.2		SPAWN, Engine = 65535, Parameters = 034, 04, FALSE, 00:14:42.665, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-034/20:42:52.0
15751	M1O	04-034/20:54:41.3		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	04-034/20:42:53.1
15752	M1O	04-034/20:54:43.3		CALL, Engine = , Parameters = 56	get_cmd_opt	04-034/20:42:55.1
15753	M1O	04-034/20:55:25.5		CALL, Engine = , Parameters = 56	get_apid	04-034/20:43:37.3
15754	M1O	04-034/20:55:26.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-034/20:43:38.4
15755	M1O	04-034/20:55:26.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-034/20:43:38.6
15756	M1O	04-034/20:55:27.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-034/20:43:39.7
15757	M1O	04-034/20:55:29.1		CALL, Engine = , Parameters = 56	get_coding	04-034/20:43:40.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15758	M1O	04-034/20:55:30.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-034/20:43:42.1
15759	M1O	04-034/20:55:31.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-034/20:43:43.3
15760	M1O	04-034/20:56:36.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-034/20:44:48.1
15761	M1O	04-034/20:56:37.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-034/20:44:49.1
15762	M1O	04-034/20:56:38.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-034/20:44:50.1
15763	M1O	04-034/20:56:39.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-034/20:44:51.1
15764	M1O	04-034/20:56:40.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-034/20:44:52.1
15765	M1O	04-034/20:56:41.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-034/20:44:53.1
15766	M1O	04-034/20:56:42.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-034/20:44:54.1
15767	M1O	04-034/20:59:14.7		NOTE: Enter Solar Eclipse 9491		04-034/20:47:26.5
15768	M1O	04-034/21:00:40.4		NOTE: Ascending Node Crossing 9491		04-034/20:48:52.1
15769	M1O	04-034/21:11:21.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-034/20:59:32.7
15770	M1O	04-034/21:11:22.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-034/20:59:33.8
15771	M1O	04-034/21:11:32.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-034/20:59:43.8
15772	M1O	04-034/21:11:33.1		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	04-034/20:59:44.8
15773	M1O	04-034/21:13:30.8		NOTE: Exit Solar Eclipse 9491		04-034/21:01:42.5
15774	M1O	04-034/21:28:21.1		NOTE: Apoapsis 9491 -		04-034/21:16:32.7
15775	M1O	04-034/21:30:39.5		NOTE: North Pole Crossing 9491		04-034/21:18:51.1
15776	M1O	04-034/22:00:34.5		NOTE: Descending Node Crossing 9492		04-034/21:48:46.1
15777	M1O	04-034/22:28:06.3		NOTE: Periapsis 9492 ----------		04-034/22:16:17.7
15778	M1O	04-034/22:29:50.6		NOTE: South Pole Crossing 9492		04-034/22:18:02.0
15779	M1O	04-034/22:30:00.0	14	Begin Pre-Cal		
15780	M1O	04-034/22:30:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
15781	M1O	04-034/22:30:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15782	M1O	04-034/22:30:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15783	M1O	04-034/22:30:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15784	M1O	04-034/22:30:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
15785	M1O	04-034/22:30:00.0	14	Config: RCV: Parms:		
15786	M1O	04-034/22:30:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15787	M1O	04-034/22:30:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
15788	M1O	04-034/22:30:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
15789	M1O	04-034/22:35:00.0	65	NOTE: X-Band Transmitter Off in 15 minutes		
15790	M1O	04-034/22:36:50.0	63	NOTE: Below Uplink Interlock Limit		
15791	M1O	04-034/22:45:00.0	65	Range Modulation Off		
15792	M1O	04-034/22:50:00.0	65	X-Band Transmitter Off		
15793	M1O	04-034/22:51:22.6	65	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
15794	M1O	04-034/22:57:48.1		NOTE: Enter Solar Eclipse 9492		04-034/22:45:59.5
15795	M1O	04-034/22:59:11.1		NOTE: Ascending Node Crossing 9492		04-034/22:47:22.5
15796	M1O	04-034/23:00:00.0	14	Begin Tracking		
15797	M1O	04-034/23:00:00.0	14	Acquire D/L: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15798	M1O	04-034/23:02:43.0	65	NOTE: Below Uplink Interlock Limit		
15799	M1O	04-034/23:11:54.2		NOTE: Exit Solar Eclipse 9492		04-034/23:00:05.5
15800	M1O	04-034/23:12:34.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-034/23:00:45.6
15801	M1O	04-034/23:12:36.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-034/23:00:47.7
15802	M1O	04-034/23:12:36.3	14	D/L Change: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15803	M1O	04-034/23:12:36.3	63	D/L Change: X/08, 3-Way/65, 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
15804	M1O	04-034/23:12:36.3	65	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15805	M1O	04-034/23:12:37.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-034/23:00:48.7
15806	M1O	04-034/23:13:37.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15807	M1O	04-034/23:13:37.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15808	M1O	04-034/23:13:37.2	65	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15809	M1O	04-034/23:15:00.0	65	End Tracking		
15810	M1O	04-034/23:15:00.0	63	End Tracking		
15811	M1O	04-034/23:18:36.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-034/23:06:47.7
15812	M1O	04-034/23:18:36.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15813	M1O	04-034/23:18:37.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-034/23:06:48.7
15814	M1O	04-034/23:26:40.0		NOTE: Apoapsis 9492 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15845	M1O	04-035/00:22:52.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/00:11:03.8
15846	M1O	04-035/00:22:52.7	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15847	M1O	04-035/00:22:53.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-035/00:11:04.8
15848	M1O	04-035/00:23:09.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-035/00:11:20.8
15849	M1O	04-035/00:23:09.7	14	D/L RF Warning: SC antenna change - expect signal level variation		
15850	M1O	04-035/00:23:10.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-035/00:11:21.8
15851	M1O	04-035/00:23:39.0		CALL, Engine = , Parameters = FALSE	park_hga	04-035/00:11:50.1
15852	M1O	04-035/00:23:39.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/00:11:50.1
15853	M1O	04-035/00:23:40.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-035/00:11:51.1
15854	M1O	04-035/00:23:41.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-035/00:11:52.1
15855	M1O	04-035/00:23:41.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-035/00:11:52.1
15856	M1O	04-035/00:23:41.0		NOTE: START HGA PARK		
15857	M1O	04-035/00:23:41.0	14	NOTE: Loss Of X-Band Signal		
15858	M1O	04-035/00:23:42.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-035/00:11:53.1
15859	M1O	04-035/00:23:43.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-035/00:11:54.1
15860	M1O	04-035/00:26:31.9		NOTE: Periapsis 9493 ----------		04-035/00:14:43.0
15861	M1O	04-035/00:28:13.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-035/00:16:24.1
15862	M1O	04-035/00:28:24.6		NOTE: South Pole Crossing 9493		04-035/00:16:35.7
15863	M1O	04-035/00:30:00.0	15	Begin Tracking		
15864	M1O	04-035/00:31:43.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-035/00:19:54.1
15865	M1O	04-035/00:31:43.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-035/00:19:54.1
15866	M1O	04-035/00:49:33.0		SPAWN, Engine = 65535, Parameters = 035, 01, FALSE, 00:13:12.310, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-035/00:37:44.0
15867	M1O	04-035/00:49:34.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-035/00:37:45.1
15868	M1O	04-035/00:49:36.1		CALL, Engine = , Parameters = 253	get_cmd_opt	04-035/00:37:47.1
15869	M1O	04-035/00:50:18.3		CALL, Engine = , Parameters = 253	get_apid	04-035/00:38:29.3
15870	M1O	04-035/00:50:19.4		CALL, Engine = , Parameters = 253	get_rcv_mode	04-035/00:38:30.4
15871	M1O	04-035/00:50:19.6		CALL, Engine = , Parameters = 253	get_dl_rate	04-035/00:38:30.6
15872	M1O	04-035/00:50:20.7		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-035/00:38:31.7
15873	M1O	04-035/00:50:22.0		CALL, Engine = , Parameters = 253	get_coding	04-035/00:38:33.0
15874	M1O	04-035/00:50:23.2		CALL, Engine = , Parameters = 253	get_xmt_mode	04-035/00:38:34.2
15875	M1O	04-035/00:50:24.4		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-035/00:38:35.4
15876	M1O	04-035/00:51:29.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-035/00:39:40.2
15877	M1O	04-035/00:51:30.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-035/00:39:41.2
15878	M1O	04-035/00:51:31.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-035/00:39:42.2
15879	M1O	04-035/00:51:32.2		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-035/00:39:43.2
15880	M1O	04-035/00:51:33.2		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-035/00:39:44.2
15881	M1O	04-035/00:51:34.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-035/00:39:45.2
15882	M1O	04-035/00:51:35.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-035/00:39:46.2
15883	M1O	04-035/00:56:03.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15884	M1O	04-035/00:56:26.2		NOTE: Enter Solar Eclipse 9493		04-035/00:44:37.2
15885	M1O	04-035/00:57:46.4		NOTE: Ascending Node Crossing 9493		04-035/00:45:57.4
15886	M1O	04-035/01:01:03.0	15	Range Modulation On: SUP=3.0dB		
15887	M1O	04-035/01:01:43.0		GV: GV_DESAT_ACTIVE = 1		04-035/00:49:54.0
15888	M1O	04-035/01:01:44.0		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-035/00:49:55.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_desat_start.cfg		
15889	M1O	04-035/01:01:44.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-035/00:49:55.0
15890	M1O	04-035/01:02:03.0	15	Begin Ranging Acquisition		
15891	M1O	04-035/01:04:43.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-035/00:52:54.5
15892	M1O	04-035/01:04:44.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-035/00:52:55.6
15893	M1O	04-035/01:04:54.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-035/00:53:05.6
15894	M1O	04-035/01:04:55.6		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	04-035/00:53:06.6
15895	M1O	04-035/01:10:24.1		NOTE: Exit Solar Eclipse 9493		04-035/00:58:35.1
15896	M1O	04-035/01:11:43.0		GV: GV_DESAT_ACTIVE = 0		04-035/00:59:54.0
15897	M1O	04-035/01:11:44.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-035/00:59:55.0
15898	M1O	04-035/01:11:45.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-035/00:59:56.0
15899	M1O	04-035/01:11:46.0		CALL, Engine = , Parameters =	unpark_hga	04-035/00:59:57.0
15900	M1O	04-035/01:11:46.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-035/00:59:57.0
15901	M1O	04-035/01:11:47.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-035/00:59:58.0
15902	M1O	04-035/01:16:17.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-035/01:04:28.0
15903	M1O	04-035/01:16:18.0		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-035/01:04:29.0
15904	M1O	04-035/01:19:15.8		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-035/01:07:26.7
15905	M1O	04-035/01:19:15.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/01:07:26.8
15906	M1O	04-035/01:19:16.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-035/01:07:27.8
15907	M1O	04-035/01:19:17.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-035/01:07:28.8
15908	M1O	04-035/01:19:18.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-035/01:07:29.8
15909	M1O	04-035/01:19:19.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-035/01:07:30.8
15910	M1O	04-035/01:19:29.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-035/01:07:40.8
15911	M1O	04-035/01:19:39.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-035/01:07:50.8
15912	M1O	04-035/01:20:18.0		NOTE: EXIT HGA PARK		
15913	M1O	04-035/01:20:18.0	14	Acquisition Of X-Band Signal		
15914	M1O	04-035/01:20:18.0	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		
15915	M1O	04-035/01:20:18.0	15	Acquisition Of X-Band Signal		
15916	M1O	04-035/01:20:18.0	15	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15917	M1O	04-035/01:24:39.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-035/01:12:50.8
15918	M1O	04-035/01:24:40.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-035/01:12:51.8
15919	M1O	04-035/01:24:40.9	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		
15920	M1O	04-035/01:24:40.9	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15921	M1O	04-035/01:24:41.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-035/01:12:52.8
15922	M1O	04-035/01:25:13.9		NOTE: Apoapsis 9493 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15926	M1O	04-035/01:51:01.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-035/01:39:12.1
15927	M1O	04-035/01:51:01.6		CALL, Engine = , Parameters = 035, 01, 254	bld_autosw	04-035/01:39:12.4
15928	M1O	04-035/01:51:02.7		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	04-035/01:39:13.5
15929	M1O	04-035/01:51:03.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:14.6
15930	M1O	04-035/01:51:04.8		Deletes the designated file.: d:/dat/254_doy035_pass01_file01.dat	FILE_DELETE	04-035/01:39:15.6
15931	M1O	04-035/01:51:05.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:16.7
15932	M1O	04-035/01:51:06.9		Deletes the designated file.: d:/dat/254_doy035_pass01_file02.dat	FILE_DELETE	04-035/01:39:17.7
15933	M1O	04-035/01:51:08.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:18.8
15934	M1O	04-035/01:51:09.0		Deletes the designated file.: d:/dat/254_doy035_pass01_file03.dat	FILE_DELETE	04-035/01:39:19.8
15935	M1O	04-035/01:51:10.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:20.9
15936	M1O	04-035/01:51:11.1		Deletes the designated file.: d:/dat/254_doy035_pass01_file04.dat	FILE_DELETE	04-035/01:39:21.9
15937	M1O	04-035/01:51:12.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:23.0
15938	M1O	04-035/01:51:13.2		Deletes the designated file.: d:/dat/254_doy035_pass01_file05.dat	FILE_DELETE	04-035/01:39:24.0
15939	M1O	04-035/01:51:14.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:25.1
15940	M1O	04-035/01:51:15.3		Deletes the designated file.: d:/dat/254_doy035_pass01_file06.dat	FILE_DELETE	04-035/01:39:26.1
15941	M1O	04-035/01:51:16.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:27.2
15942	M1O	04-035/01:51:17.4		Deletes the designated file.: d:/dat/254_doy035_pass01_file07.dat	FILE_DELETE	04-035/01:39:28.2
15943	M1O	04-035/01:51:18.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:29.3
15944	M1O	04-035/01:51:19.5		Deletes the designated file.: d:/dat/254_doy035_pass01_file08.dat	FILE_DELETE	04-035/01:39:30.3
15945	M1O	04-035/01:51:20.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:31.4
15946	M1O	04-035/01:51:21.6		Deletes the designated file.: d:/dat/254_doy035_pass01_file09.dat	FILE_DELETE	04-035/01:39:32.4
15947	M1O	04-035/01:51:22.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:33.5
15948	M1O	04-035/01:51:23.7		Deletes the designated file.: d:/dat/254_doy035_pass01_file10.dat	FILE_DELETE	04-035/01:39:34.5
15949	M1O	04-035/01:51:24.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:35.6
15950	M1O	04-035/01:51:25.8		Deletes the designated file.: d:/dat/254_doy035_pass01_file11.dat	FILE_DELETE	04-035/01:39:36.6
15951	M1O	04-035/01:51:26.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:37.7
15952	M1O	04-035/01:51:27.9		Deletes the designated file.: d:/dat/254_doy035_pass01_file12.dat	FILE_DELETE	04-035/01:39:38.7
15953	M1O	04-035/01:51:29.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:39.8
15954	M1O	04-035/01:51:30.0		Deletes the designated file.: d:/dat/254_doy035_pass01_file13.dat	FILE_DELETE	04-035/01:39:40.8
15955	M1O	04-035/01:51:31.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:41.9
15956	M1O	04-035/01:51:32.1		Deletes the designated file.: d:/dat/254_doy035_pass01_file14.dat	FILE_DELETE	04-035/01:39:42.9
15957	M1O	04-035/01:51:33.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:44.0
15958	M1O	04-035/01:51:34.2		Deletes the designated file.: d:/dat/254_doy035_pass01_file15.dat	FILE_DELETE	04-035/01:39:45.0
15959	M1O	04-035/01:51:35.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:46.1
15960	M1O	04-035/01:51:36.3		Deletes the designated file.: d:/dat/254_doy035_pass01_file16.dat	FILE_DELETE	04-035/01:39:47.1
15961	M1O	04-035/01:51:37.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:48.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15962	M1O	04-035/01:51:38.4		Deletes the designated file.: d:/dat/254_doy035_pass01_file17.dat	FILE_DELETE	04-035/01:39:49.2
15963	M1O	04-035/01:51:39.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:50.3
15964	M1O	04-035/01:51:40.5		Deletes the designated file.: d:/dat/254_doy035_pass01_file18.dat	FILE_DELETE	04-035/01:39:51.3
15965	M1O	04-035/01:51:41.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/01:39:52.4
15966	M1O	04-035/01:51:42.6		Deletes the designated file.: d:/dat/254_doy035_pass01_file19.dat	FILE_DELETE	04-035/01:39:53.4
15967	M1O	04-035/01:51:43.6		CALL, Engine = , Parameters = 254	get_apid	04-035/01:39:54.4
15968	M1O	04-035/01:51:44.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-035/01:39:55.5
15969	M1O	04-035/01:51:44.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-035/01:39:55.7
15970	M1O	04-035/01:51:46.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-035/01:39:56.8
15971	M1O	04-035/01:51:47.3		CALL, Engine = , Parameters = 254	get_coding	04-035/01:39:58.1
15972	M1O	04-035/01:51:48.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-035/01:39:59.3
15973	M1O	04-035/01:51:49.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-035/01:40:00.5
15974	M1O	04-035/01:52:54.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-035/01:41:05.3
15975	M1O	04-035/01:52:55.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-035/01:41:06.3
15976	M1O	04-035/01:52:56.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-035/01:41:07.3
15977	M1O	04-035/01:52:57.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-035/01:41:08.3
15978	M1O	04-035/01:52:58.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-035/01:41:09.3
15979	M1O	04-035/01:52:59.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-035/01:41:10.3
15980	M1O	04-035/01:53:00.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-035/01:41:11.3
15981	M1O	04-035/01:54:50.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/01:43:01.3
15982	M1O	04-035/01:54:50.5	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		
15983	M1O	04-035/01:54:50.5	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15984	M1O	04-035/01:54:55.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/01:43:06.5
15985	M1O	04-035/01:55:00.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-035/01:43:11.3
15986	M1O	04-035/01:57:42.8		NOTE: Descending Node Crossing 9494		04-035/01:45:53.6
15987	M1O	04-035/02:04:59.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
15988	M1O	04-035/02:06:21.4	15	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
15989	M1O	04-035/02:12:04.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-035/02:00:15.3
15990	M1O	04-035/02:12:05.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-035/02:00:16.4
15991	M1O	04-035/02:12:15.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-035/02:00:26.4
15992	M1O	04-035/02:12:16.6		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	04-035/02:00:27.4
15993	M1O	04-035/02:12:17.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-035/02:00:28.4
15994	M1O	04-035/02:12:17.6	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		
15995	M1O	04-035/02:12:17.6	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15996	M1O	04-035/02:12:18.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-035/02:00:29.4
15997	M1O	04-035/02:14:59.0	15	Range Modulation Off		
15998	M1O	04-035/02:17:17.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-035/02:05:28.0
15999	M1O	04-035/02:17:17.2	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		
16000	M1O	04-035/02:17:17.2	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16001	M1O	04-035/02:19:59.0	15	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16002	M1O	04-035/02:20:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16003	M1O	04-035/02:25:00.0	14	Range Modulation On: SUP=3.0dB		
16004	M1O	04-035/02:25:27.9		NOTE: Periapsis 9494 ----------		04-035/02:13:38.6
16005	M1O	04-035/02:26:00.0	14	Begin Ranging Acquisition		
16006	M1O	04-035/02:27:01.2		NOTE: South Pole Crossing 9494		04-035/02:15:11.9
16007	M1O	04-035/02:30:00.0	15	End Tracking		
16008	M1O	04-035/02:42:35.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:01, 1	dpt	04-035/02:30:45.7
16009	M1O	04-035/02:42:37.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/02:30:47.8
16010	M1O	04-035/02:42:37.2	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		
16011	M1O	04-035/02:42:38.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-035/02:30:48.8
16012	M1O	04-035/02:43:37.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16013	M1O	04-035/02:43:38.6	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16014	M1O	04-035/02:44:08.3		SPAWN, Engine = 65535, Parameters = 035, 02, TRUE, 00:18:50, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-035/02:32:19.0
16015	M1O	04-035/02:44:09.4		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	04-035/02:32:20.1
16016	M1O	04-035/02:44:11.4		CALL, Engine = , Parameters = 253	get_cmd_opt	04-035/02:32:22.1
16017	M1O	04-035/02:44:11.7		CALL, Engine = , Parameters = 035, 02, 253	bld_autosw	04-035/02:32:22.4
16018	M1O	04-035/02:44:12.8		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-035/02:32:23.5
16019	M1O	04-035/02:44:13.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:24.6
16020	M1O	04-035/02:44:14.9		Deletes the designated file.: d:/dat/253_doy035_pass02_file01.dat	FILE_DELETE	04-035/02:32:25.6
16021	M1O	04-035/02:44:16.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:26.7
16022	M1O	04-035/02:44:17.0		Deletes the designated file.: d:/dat/253_doy035_pass02_file02.dat	FILE_DELETE	04-035/02:32:27.7
16023	M1O	04-035/02:44:18.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:28.8
16024	M1O	04-035/02:44:19.1		Deletes the designated file.: d:/dat/253_doy035_pass02_file03.dat	FILE_DELETE	04-035/02:32:29.8
16025	M1O	04-035/02:44:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:30.9
16026	M1O	04-035/02:44:21.2		Deletes the designated file.: d:/dat/253_doy035_pass02_file04.dat	FILE_DELETE	04-035/02:32:31.9
16027	M1O	04-035/02:44:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:33.0
16028	M1O	04-035/02:44:23.3		Deletes the designated file.: d:/dat/253_doy035_pass02_file05.dat	FILE_DELETE	04-035/02:32:34.0
16029	M1O	04-035/02:44:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:35.1
16030	M1O	04-035/02:44:25.4		Deletes the designated file.: d:/dat/253_doy035_pass02_file06.dat	FILE_DELETE	04-035/02:32:36.1
16031	M1O	04-035/02:44:26.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:37.2
16032	M1O	04-035/02:44:27.5		Deletes the designated file.: d:/dat/253_doy035_pass02_file07.dat	FILE_DELETE	04-035/02:32:38.2
16033	M1O	04-035/02:44:28.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:39.3
16034	M1O	04-035/02:44:29.6		Deletes the designated file.: d:/dat/253_doy035_pass02_file08.dat	FILE_DELETE	04-035/02:32:40.3
16035	M1O	04-035/02:44:30.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:41.4
16036	M1O	04-035/02:44:31.7		Deletes the designated file.: d:/dat/253_doy035_pass02_file09.dat	FILE_DELETE	04-035/02:32:42.4
16037	M1O	04-035/02:44:32.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:43.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16038	M1O	04-035/02:44:33.8		Deletes the designated file.: d:/dat/253_doy035_pass02_file10.dat	FILE_DELETE	04-035/02:32:44.5
16039	M1O	04-035/02:44:34.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:45.6
16040	M1O	04-035/02:44:35.9		Deletes the designated file.: d:/dat/253_doy035_pass02_file11.dat	FILE_DELETE	04-035/02:32:46.6
16041	M1O	04-035/02:44:37.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:47.7
16042	M1O	04-035/02:44:38.0		Deletes the designated file.: d:/dat/253_doy035_pass02_file12.dat	FILE_DELETE	04-035/02:32:48.7
16043	M1O	04-035/02:44:39.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:49.8
16044	M1O	04-035/02:44:40.1		Deletes the designated file.: d:/dat/253_doy035_pass02_file13.dat	FILE_DELETE	04-035/02:32:50.8
16045	M1O	04-035/02:44:41.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:51.9
16046	M1O	04-035/02:44:42.2		Deletes the designated file.: d:/dat/253_doy035_pass02_file14.dat	FILE_DELETE	04-035/02:32:52.9
16047	M1O	04-035/02:44:43.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:54.0
16048	M1O	04-035/02:44:44.3		Deletes the designated file.: d:/dat/253_doy035_pass02_file15.dat	FILE_DELETE	04-035/02:32:55.0
16049	M1O	04-035/02:44:45.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:56.1
16050	M1O	04-035/02:44:46.4		Deletes the designated file.: d:/dat/253_doy035_pass02_file16.dat	FILE_DELETE	04-035/02:32:57.1
16051	M1O	04-035/02:44:47.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:32:58.2
16052	M1O	04-035/02:44:48.5		Deletes the designated file.: d:/dat/253_doy035_pass02_file17.dat	FILE_DELETE	04-035/02:32:59.2
16053	M1O	04-035/02:44:49.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:33:00.3
16054	M1O	04-035/02:44:50.6		Deletes the designated file.: d:/dat/253_doy035_pass02_file18.dat	FILE_DELETE	04-035/02:33:01.3
16055	M1O	04-035/02:44:51.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/02:33:02.4
16056	M1O	04-035/02:44:52.7		Deletes the designated file.: d:/dat/253_doy035_pass02_file19.dat	FILE_DELETE	04-035/02:33:03.4
16057	M1O	04-035/02:44:53.7		CALL, Engine = , Parameters = 253	get_apid	04-035/02:33:04.4
16058	M1O	04-035/02:44:54.8		CALL, Engine = , Parameters = 253	get_rcv_mode	04-035/02:33:05.5
16059	M1O	04-035/02:44:55.0		CALL, Engine = , Parameters = 253	get_dl_rate	04-035/02:33:05.7
16060	M1O	04-035/02:44:56.1		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-035/02:33:06.8
16061	M1O	04-035/02:44:57.4		CALL, Engine = , Parameters = 253	get_coding	04-035/02:33:08.1
16062	M1O	04-035/02:44:58.6		CALL, Engine = , Parameters = 253	get_xmt_mode	04-035/02:33:09.3
16063	M1O	04-035/02:44:59.8		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-035/02:33:10.5
16064	M1O	04-035/02:45:00.0	15	End Post-Cal		
16065	M1O	04-035/02:46:04.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-035/02:34:15.3
16066	M1O	04-035/02:46:05.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-035/02:34:16.3
16067	M1O	04-035/02:46:06.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-035/02:34:17.3
16068	M1O	04-035/02:46:07.6		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-035/02:34:18.3
16069	M1O	04-035/02:46:08.6		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-035/02:34:19.3
16070	M1O	04-035/02:46:09.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-035/02:34:20.3
16071	M1O	04-035/02:46:10.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-035/02:34:21.3
16072	M1O	04-035/02:48:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/02:36:11.3
16073	M1O	04-035/02:48:10.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-035/02:36:21.3
16074	M1O	04-035/02:48:38.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-035/02:36:48.8
16075	M1O	04-035/02:48:38.2	14	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16076	M1O	04-035/02:48:39.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/02:36:49.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16077	M1O	04-035/02:48:39.1	14	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16078	M1O	04-035/02:48:39.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-035/02:36:49.8
16079	M1O	04-035/02:55:02.3		NOTE: Enter Solar Eclipse 9494		04-035/02:43:12.9
16080	M1O	04-035/02:56:23.4		NOTE: Ascending Node Crossing 9494		04-035/02:44:34.0
16081	M1O	04-035/03:04:58.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-035/02:53:09.3
16082	M1O	04-035/03:04:59.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-035/02:53:10.4
16083	M1O	04-035/03:05:09.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-035/02:53:20.4
16084	M1O	04-035/03:05:10.8		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	04-035/02:53:21.4
16085	M1O	04-035/03:05:11.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-035/02:53:22.4
16086	M1O	04-035/03:05:11.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16087	M1O	04-035/03:05:12.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-035/02:53:23.4
16088	M1O	04-035/03:09:00.7		NOTE: Exit Solar Eclipse 9494		04-035/02:57:11.2
16089	M1O	04-035/03:10:11.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-035/02:58:22.0
16090	M1O	04-035/03:10:11.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16091	M1O	04-035/03:24:17.9		NOTE: Apoapsis 9494 -		04-035/03:12:28.4
16092	M1O	04-035/03:26:23.2		NOTE: North Pole Crossing 9494		04-035/03:14:33.7
16093	M1O	04-035/03:54:10.5		SPAWN, Engine = 65535, Parameters = 035, 02, FALSE, 00:08:24.366, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-035/03:42:21.0
16094	M1O	04-035/03:54:11.6		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	04-035/03:42:22.1
16095	M1O	04-035/03:54:13.6		CALL, Engine = , Parameters = 254	get_cmd_opt	04-035/03:42:24.1
16096	M1O	04-035/03:54:55.8		CALL, Engine = , Parameters = 254	get_apid	04-035/03:43:06.3
16097	M1O	04-035/03:54:56.9		CALL, Engine = , Parameters = 254	get_rcv_mode	04-035/03:43:07.4
16098	M1O	04-035/03:54:57.1		CALL, Engine = , Parameters = 254	get_dl_rate	04-035/03:43:07.6
16099	M1O	04-035/03:54:58.2		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-035/03:43:08.7
16100	M1O	04-035/03:54:59.5		CALL, Engine = , Parameters = 254	get_coding	04-035/03:43:10.0
16101	M1O	04-035/03:55:00.7		CALL, Engine = , Parameters = 254	get_xmt_mode	04-035/03:43:11.2
16102	M1O	04-035/03:55:01.9		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-035/03:43:12.4
16103	M1O	04-035/03:56:06.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-035/03:44:17.2
16104	M1O	04-035/03:56:07.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-035/03:44:18.2
16105	M1O	04-035/03:56:08.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-035/03:44:19.2
16106	M1O	04-035/03:56:09.8		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-035/03:44:20.2
16107	M1O	04-035/03:56:10.8		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-035/03:44:21.2
16108	M1O	04-035/03:56:11.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-035/03:44:22.2
16109	M1O	04-035/03:56:12.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-035/03:44:23.2
16110	M1O	04-035/03:56:19.3		NOTE: Descending Node Crossing 9495		04-035/03:44:29.7
16111	M1O	04-035/04:04:33.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-035/03:52:43.5
16112	M1O	04-035/04:04:34.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-035/03:52:44.6
16113	M1O	04-035/04:04:44.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-035/03:52:54.6
16114	M1O	04-035/04:04:45.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-035/03:52:55.6
16115	M1O	04-035/04:24:28.7		NOTE: Periapsis 9495 ----------		04-035/04:12:39.0
16116	M1O	04-035/04:25:37.9		NOTE: South Pole Crossing 9495		04-035/04:13:48.2
16117	M1O	04-035/04:53:35.6		NOTE: Enter Solar Eclipse 9495		04-035/04:41:45.8
16118	M1O	04-035/04:54:59.6		NOTE: Ascending Node Crossing 9495		04-035/04:43:09.8
16119	M1O	04-035/05:07:38.5		NOTE: Exit Solar Eclipse 9495		04-035/04:55:48.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16120	M1O	04-035/05:23:18.2		NOTE: Apoapsis 9495 -		04-035/05:11:28.3
16121	M1O	04-035/05:24:59.2		NOTE: North Pole Crossing 9495		04-035/05:13:09.3
16122	M1O	04-035/05:50:00.0	43	Begin Pre-Cal		
16123	M1O	04-035/05:50:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16124	M1O	04-035/05:50:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16125	M1O	04-035/05:50:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16126	M1O	04-035/05:50:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16127	M1O	04-035/05:50:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16128	M1O	04-035/05:50:00.0	43	Config: RCV: Parms:		
16129	M1O	04-035/05:50:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16130	M1O	04-035/05:50:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
16131	M1O	04-035/05:50:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
16132	M1O	04-035/05:54:55.5		NOTE: Descending Node Crossing 9496		04-035/05:43:05.6
16133	M1O	04-035/06:05:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
16134	M1O	04-035/06:15:00.0	14	Range Modulation Off		
16135	M1O	04-035/06:16:19.8	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
16136	M1O	04-035/06:20:00.0	43	Begin Tracking		
16137	M1O	04-035/06:20:00.0	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		
16138	M1O	04-035/06:20:00.0	14	X-Band Transmitter Off		
16139	M1O	04-035/06:23:12.8		NOTE: Periapsis 9496 ----------		04-035/06:11:22.7
16140	M1O	04-035/06:24:13.1		NOTE: South Pole Crossing 9496		04-035/06:12:23.0
16141	M1O	04-035/06:30:07.0	14	NOTE: Below Uplink Interlock Limit		
16142	M1O	04-035/06:40:00.0	14	End Tracking		
16143	M1O	04-035/06:42:38.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-035/06:30:47.8
16144	M1O	04-035/06:42:40.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/06:30:49.9
16145	M1O	04-035/06:42:40.1	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		
16146	M1O	04-035/06:42:41.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-035/06:30:50.9
16147	M1O	04-035/06:43:40.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16148	M1O	04-035/06:48:40.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-035/06:36:49.9
16149	M1O	04-035/06:48:40.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16150	M1O	04-035/06:48:41.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-035/06:36:50.9
16151	M1O	04-035/06:52:06.5		NOTE: Enter Solar Eclipse 9496		04-035/06:40:16.4
16152	M1O	04-035/06:53:33.4		NOTE: Ascending Node Crossing 9496		04-035/06:41:43.3
16153	M1O	04-035/06:55:00.0	14	End Post-Cal		
16154	M1O	04-035/07:06:15.1		NOTE: Exit Solar Eclipse 9496		04-035/06:54:24.9
16155	M1O	04-035/07:11:50.2		SPAWN, Engine = 65535, Parameters =	scdiag	04-035/07:00:00.0
16156	M1O	04-035/07:11:51.3		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-035/07:00:01.1
16157	M1O	04-035/07:11:52.3		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-035/07:00:02.1
16158	M1O	04-035/07:12:53.2		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	04-035/07:01:03.0
16159	M1O	04-035/07:12:53.4		NOTE: Start Block fsw_diag		04-035/07:01:03.2
16160	M1O	04-035/07:12:54.4		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]	FSW_VX_CMD	04-035/07:01:04.2
16161	M1O	04-035/07:12:55.4		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	04-035/07:01:05.2
16162	M1O	04-035/07:13:06.4		NOTE: End Block fsw_diag.mod		04-035/07:01:16.2
16163	M1O	04-035/07:14:06.2		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-035/07:02:16.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16164	M1O	04-035/07:14:06.4		NOTE: Start Block fsw_diag		04-035/07:02:16.2
16165	M1O	04-035/07:14:07.4		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-035/07:02:17.2
16166	M1O	04-035/07:14:08.4		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	04-035/07:02:18.2
16167	M1O	04-035/07:14:19.4		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	04-035/07:02:29.2
16168	M1O	04-035/07:14:49.4		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-035/07:02:59.2
16169	M1O	04-035/07:15:09.4		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-035/07:03:19.2
16170	M1O	04-035/07:15:19.4		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-035/07:03:29.2
16171	M1O	04-035/07:15:39.4		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-035/07:03:49.2
16172	M1O	04-035/07:15:49.4		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-035/07:03:59.2
16173	M1O	04-035/07:15:54.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-035/07:04:04.2
16174	M1O	04-035/07:15:59.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-035/07:04:09.2
16175	M1O	04-035/07:16:04.4		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-035/07:04:14.2
16176	M1O	04-035/07:16:09.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-035/07:04:19.2
16177	M1O	04-035/07:16:14.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-035/07:04:24.2
16178	M1O	04-035/07:16:54.4		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-035/07:05:04.2
16179	M1O	04-035/07:16:59.4		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-035/07:05:09.2
16180	M1O	04-035/07:17:04.4		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-035/07:05:14.2
16181	M1O	04-035/07:17:09.4		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-035/07:05:19.2
16182	M1O	04-035/07:17:14.4		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-035/07:05:24.2
16183	M1O	04-035/07:17:15.4		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-035/07:05:25.2
16184	M1O	04-035/07:17:16.4		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-035/07:05:26.2
16185	M1O	04-035/07:17:17.4		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-035/07:05:27.2
16186	M1O	04-035/07:17:28.4		NOTE: End Block fsw_diag.mod		04-035/07:05:38.2
16187	M1O	04-035/07:21:46.6		NOTE: Apoapsis 9496 -		04-035/07:09:56.3
16188	M1O	04-035/07:23:32.9		NOTE: North Pole Crossing 9496		04-035/07:11:42.6
16189	M1O	04-035/07:37:59.3		SPAWN, Engine = 65535, Parameters = 035, 01, FALSE, 00:19:18.674, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-035/07:26:09.0
16190	M1O	04-035/07:38:00.4		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	04-035/07:26:10.1
16191	M1O	04-035/07:38:02.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-035/07:26:12.1
16192	M1O	04-035/07:38:44.6		CALL, Engine = , Parameters = 56	get_apid	04-035/07:26:54.3
16193	M1O	04-035/07:38:45.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-035/07:26:55.4
16194	M1O	04-035/07:38:45.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-035/07:26:55.6
16195	M1O	04-035/07:38:47.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-035/07:26:56.7
16196	M1O	04-035/07:38:48.2		CALL, Engine = , Parameters = 56	get_coding	04-035/07:26:57.9
16197	M1O	04-035/07:38:49.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-035/07:26:59.1
16198	M1O	04-035/07:38:50.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-035/07:27:00.3
16199	M1O	04-035/07:39:55.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-035/07:28:05.1
16200	M1O	04-035/07:39:56.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-035/07:28:06.1
16201	M1O	04-035/07:39:57.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-035/07:28:07.1
16202	M1O	04-035/07:39:58.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-035/07:28:08.1
16203	M1O	04-035/07:39:59.4		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-035/07:28:09.1
16204	M1O	04-035/07:40:00.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-035/07:28:10.1
16205	M1O	04-035/07:40:01.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-035/07:28:11.1
16206	M1O	04-035/07:53:28.9		NOTE: Descending Node Crossing 9497		04-035/07:41:38.5
16207	M1O	04-035/07:59:16.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-035/07:47:25.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
16208	M1O	04-035/07:59:17.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-035/07:47:26.8
16209	M1O	04-035/07:59:27.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-035/07:47:36.8
16210	M1O	04-035/07:59:28.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-035/07:47:37.8
16211	M1O	04-035/08:21:28.7		NOTE: Periapsis 9497 ----------		04-035/08:09:38.2
16212	M1O	04-035/08:22:45.3		NOTE: South Pole Crossing 9497		04-035/08:10:54.9
16213	M1O	04-035/08:50:38.4		NOTE: Enter Solar Eclipse 9497		04-035/08:38:47.9
16214	M1O	04-035/08:52:05.2		NOTE: Ascending Node Crossing 9497		04-035/08:40:14.6
16215	M1O	04-035/09:04:48.3		NOTE: Exit Solar Eclipse 9497		04-035/08:52:57.7
16216	M1O	04-035/09:15:00.0	55	Begin Pre-Cal		
16217	M1O	04-035/09:15:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16218	M1O	04-035/09:15:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16219	M1O	04-035/09:15:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16220	M1O	04-035/09:15:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16221	M1O	04-035/09:15:00.0	55	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16222	M1O	04-035/09:15:00.0	55	Config: RCV: Parms:		
16223	M1O	04-035/09:15:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16224	M1O	04-035/09:15:00.0	55	Config: TGC: BAND=X, SR=221200.000000		
16225	M1O	04-035/09:15:00.0	55	Config: TXL		
16226	M1O	04-035/09:15:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
16227	M1O	04-035/09:15:00.0	55	Config: CMD		
16228	M1O	04-035/09:15:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
16229	M1O	04-035/09:19:52.2		NOTE: Apoapsis 9497 -		04-035/09:08:01.5
16230	M1O	04-035/09:22:04.0		NOTE: North Pole Crossing 9497		04-035/09:10:13.4
16231	M1O	04-035/09:39:08.6		SPAWN, Engine = 65535, Parameters = 035, 02, FALSE, 00:10:54.573, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-035/09:27:18.0
16232	M1O	04-035/09:39:09.7		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	04-035/09:27:19.1
16233	M1O	04-035/09:39:11.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-035/09:27:21.1
16234	M1O	04-035/09:39:54.0		CALL, Engine = , Parameters = 56	get_apid	04-035/09:28:03.3
16235	M1O	04-035/09:39:55.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-035/09:28:04.4
16236	M1O	04-035/09:39:55.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-035/09:28:04.6
16237	M1O	04-035/09:39:56.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-035/09:28:05.7
16238	M1O	04-035/09:39:57.6		CALL, Engine = , Parameters = 56	get_coding	04-035/09:28:06.9
16239	M1O	04-035/09:39:58.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-035/09:28:08.1
16240	M1O	04-035/09:40:00.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-035/09:28:09.3
16241	M1O	04-035/09:41:04.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-035/09:29:14.1
16242	M1O	04-035/09:41:05.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-035/09:29:15.1
16243	M1O	04-035/09:41:06.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-035/09:29:16.1
16244	M1O	04-035/09:41:07.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-035/09:29:17.1
16245	M1O	04-035/09:41:08.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-035/09:29:18.1
16246	M1O	04-035/09:41:09.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-035/09:29:19.1
16247	M1O	04-035/09:41:10.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-035/09:29:20.1
16248	M1O	04-035/09:51:59.0		NOTE: Descending Node Crossing 9498		04-035/09:40:08.2
16249	M1O	04-035/09:52:01.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-035/09:40:10.6
16250	M1O	04-035/09:52:02.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-035/09:40:11.7
16251	M1O	04-035/09:52:12.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-035/09:40:21.7
16252	M1O	04-035/09:52:13.5		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	04-035/09:40:22.7
16253	M1O	04-035/10:19:40.5		NOTE: Periapsis 9498 ----------		04-035/10:07:49.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16254	M1O	04-035/10:21:15.7		NOTE: South Pole Crossing 9498		04-035/10:09:24.9
16255	M1O	04-035/10:49:12.2		NOTE: Enter Solar Eclipse 9498		04-035/10:37:21.3
16256	M1O	04-035/10:50:36.6		NOTE: Ascending Node Crossing 9498		04-035/10:38:45.6
16257	M1O	04-035/11:03:15.9		NOTE: Exit Solar Eclipse 9498		04-035/10:51:24.9
16258	M1O	04-035/11:15:00.0	55	Begin Tracking		
16259	M1O	04-035/11:15:00.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16260	M1O	04-035/11:18:22.8		NOTE: Apoapsis 9498 -		04-035/11:06:31.8
16261	M1O	04-035/11:20:35.5		NOTE: North Pole Crossing 9498		04-035/11:08:44.5
16262	M1O	04-035/11:25:50.0	55	NOTE: Above Uplink Interlock Limit		
16263	M1O	04-035/11:30:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16264	M1O	04-035/11:32:59.0	43	NOTE: Below Uplink Interlock Limit		
16265	M1O	04-035/11:35:00.0	55	Range Modulation On: SUP=3.0dB		
16266	M1O	04-035/11:36:00.0	55	Begin Ranging Acquisition		
16267	M1O	04-035/11:48:59.0		SPAWN, Engine = 65535, Parameters = 3, 00:09:39.933, 1	dpt	04-035/11:37:07.9
16268	M1O	04-035/11:49:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/11:37:10.0
16269	M1O	04-035/11:49:01.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16270	M1O	04-035/11:49:01.1	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16271	M1O	04-035/11:49:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-035/11:37:11.0
16272	M1O	04-035/11:50:00.0	43	End Tracking		
16273	M1O	04-035/11:50:01.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-035/11:38:09.9
16274	M1O	04-035/11:50:01.0		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	04-035/11:38:09.9
16275	M1O	04-035/11:50:01.0	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16276	M1O	04-035/11:50:07.0		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-035/11:38:15.9
16277	M1O	04-035/11:50:07.0	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16278	M1O	04-035/11:50:30.5		NOTE: Descending Node Crossing 9499		04-035/11:38:39.4
16279	M1O	04-035/11:53:42.1	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16280	M1O	04-035/11:58:41.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-035/11:46:49.9
16281	M1O	04-035/11:58:41.1	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16282	M1O	04-035/11:58:42.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-035/11:46:50.9
16283	M1O	04-035/12:05:00.0	43	End Post-Cal		
16284	M1O	04-035/12:18:11.5		NOTE: Periapsis 9499 ----------		04-035/12:06:20.3
16285	M1O	04-035/12:19:48.1		NOTE: South Pole Crossing 9499		04-035/12:07:56.9
16286	M1O	04-035/12:47:46.9		NOTE: Enter Solar Eclipse 9499		04-035/12:35:55.6
16287	M1O	04-035/12:49:09.8		NOTE: Ascending Node Crossing 9499		04-035/12:37:18.5
16288	M1O	04-035/13:01:42.6		NOTE: Exit Solar Eclipse 9499		04-035/12:49:51.3
16289	M1O	04-035/13:17:10.5		NOTE: Apoapsis 9499 -		04-035/13:05:19.1
16290	M1O	04-035/13:19:10.2		NOTE: North Pole Crossing 9499		04-035/13:07:18.8
16291	M1O	04-035/13:39:30.4		SPAWN, Engine = 65535, Parameters = 035, 03, TRUE, 00:17:17, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-035/13:27:39.0
16292	M1O	04-035/13:39:31.5		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	04-035/13:27:40.1
16293	M1O	04-035/13:39:33.5		CALL, Engine = , Parameters = 253	get_cmd_opt	04-035/13:27:42.1
16294	M1O	04-035/13:39:33.8		CALL, Engine = , Parameters = 035, 03, 253	bld_autosw	04-035/13:27:42.4
16295	M1O	04-035/13:39:34.9		Copies the file designated in the source_path to the target_path.: d:/dat/253_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-035/13:27:43.5
16296	M1O	04-035/13:39:36.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:27:44.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16297	M1O	04-035/13:39:37.0		Deletes the designated file.: d:/dat/253_doy035_pass03_file01.dat	FILE_DELETE	04-035/13:27:45.6
16298	M1O	04-035/13:39:38.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:27:46.7
16299	M1O	04-035/13:39:39.1		Deletes the designated file.: d:/dat/253_doy035_pass03_file02.dat	FILE_DELETE	04-035/13:27:47.7
16300	M1O	04-035/13:39:40.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:27:48.8
16301	M1O	04-035/13:39:41.2		Deletes the designated file.: d:/dat/253_doy035_pass03_file03.dat	FILE_DELETE	04-035/13:27:49.8
16302	M1O	04-035/13:39:42.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:27:50.9
16303	M1O	04-035/13:39:43.3		Deletes the designated file.: d:/dat/253_doy035_pass03_file04.dat	FILE_DELETE	04-035/13:27:51.9
16304	M1O	04-035/13:39:44.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:27:53.0
16305	M1O	04-035/13:39:45.4		Deletes the designated file.: d:/dat/253_doy035_pass03_file05.dat	FILE_DELETE	04-035/13:27:54.0
16306	M1O	04-035/13:39:46.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:27:55.1
16307	M1O	04-035/13:39:47.5		Deletes the designated file.: d:/dat/253_doy035_pass03_file06.dat	FILE_DELETE	04-035/13:27:56.1
16308	M1O	04-035/13:39:48.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:27:57.2
16309	M1O	04-035/13:39:49.6		Deletes the designated file.: d:/dat/253_doy035_pass03_file07.dat	FILE_DELETE	04-035/13:27:58.2
16310	M1O	04-035/13:39:50.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:27:59.3
16311	M1O	04-035/13:39:51.7		Deletes the designated file.: d:/dat/253_doy035_pass03_file08.dat	FILE_DELETE	04-035/13:28:00.3
16312	M1O	04-035/13:39:52.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:28:01.4
16313	M1O	04-035/13:39:53.8		Deletes the designated file.: d:/dat/253_doy035_pass03_file09.dat	FILE_DELETE	04-035/13:28:02.4
16314	M1O	04-035/13:39:54.9		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:28:03.5
16315	M1O	04-035/13:39:55.9		Deletes the designated file.: d:/dat/253_doy035_pass03_file10.dat	FILE_DELETE	04-035/13:28:04.5
16316	M1O	04-035/13:39:57.0		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:28:05.6
16317	M1O	04-035/13:39:58.0		Deletes the designated file.: d:/dat/253_doy035_pass03_file11.dat	FILE_DELETE	04-035/13:28:06.6
16318	M1O	04-035/13:39:59.1		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:28:07.7
16319	M1O	04-035/13:40:00.1		Deletes the designated file.: d:/dat/253_doy035_pass03_file12.dat	FILE_DELETE	04-035/13:28:08.7
16320	M1O	04-035/13:40:01.2		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:28:09.8
16321	M1O	04-035/13:40:02.2		Deletes the designated file.: d:/dat/253_doy035_pass03_file13.dat	FILE_DELETE	04-035/13:28:10.8
16322	M1O	04-035/13:40:03.3		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:28:11.9
16323	M1O	04-035/13:40:04.3		Deletes the designated file.: d:/dat/253_doy035_pass03_file14.dat	FILE_DELETE	04-035/13:28:12.9
16324	M1O	04-035/13:40:05.4		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:28:14.0
16325	M1O	04-035/13:40:06.4		Deletes the designated file.: d:/dat/253_doy035_pass03_file15.dat	FILE_DELETE	04-035/13:28:15.0
16326	M1O	04-035/13:40:07.5		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:28:16.1
16327	M1O	04-035/13:40:08.5		Deletes the designated file.: d:/dat/253_doy035_pass03_file16.dat	FILE_DELETE	04-035/13:28:17.1
16328	M1O	04-035/13:40:09.6		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:28:18.2
16329	M1O	04-035/13:40:10.6		Deletes the designated file.: d:/dat/253_doy035_pass03_file17.dat	FILE_DELETE	04-035/13:28:19.2
16330	M1O	04-035/13:40:11.7		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:28:20.3
16331	M1O	04-035/13:40:12.7		Deletes the designated file.: d:/dat/253_doy035_pass03_file18.dat	FILE_DELETE	04-035/13:28:21.3
16332	M1O	04-035/13:40:13.8		Appends the source_path file onto the end of the target_path file.: d:/dat/253_doy035_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/13:28:22.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16333	M1O	04-035/13:40:14.8		Deletes the designated file.: d:/dat/253_doy035_pass03_file19.dat	FILE_DELETE	04-035/13:28:23.4
16334	M1O	04-035/13:40:15.8		CALL, Engine = , Parameters = 253	get_apid	04-035/13:28:24.4
16335	M1O	04-035/13:40:16.9		CALL, Engine = , Parameters = 253	get_rcv_mode	04-035/13:28:25.5
16336	M1O	04-035/13:40:17.1		CALL, Engine = , Parameters = 253	get_dl_rate	04-035/13:28:25.7
16337	M1O	04-035/13:40:18.2		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-035/13:28:26.8
16338	M1O	04-035/13:40:19.5		CALL, Engine = , Parameters = 253	get_coding	04-035/13:28:28.1
16339	M1O	04-035/13:40:20.7		CALL, Engine = , Parameters = 253	get_xmt_mode	04-035/13:28:29.3
16340	M1O	04-035/13:40:21.9		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-035/13:28:30.5
16341	M1O	04-035/13:41:26.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-035/13:29:35.3
16342	M1O	04-035/13:41:27.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-035/13:29:36.3
16343	M1O	04-035/13:41:28.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-035/13:29:37.3
16344	M1O	04-035/13:41:29.7		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-035/13:29:38.3
16345	M1O	04-035/13:41:30.7		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-035/13:29:39.3
16346	M1O	04-035/13:41:31.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-035/13:29:40.3
16347	M1O	04-035/13:41:32.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-035/13:29:41.3
16348	M1O	04-035/13:43:22.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/13:31:31.3
16349	M1O	04-035/13:43:22.7	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16350	M1O	04-035/13:43:27.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/13:31:36.5
16351	M1O	04-035/13:43:32.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-035/13:31:41.3
16352	M1O	04-035/13:49:06.6		NOTE: Descending Node Crossing 9500		04-035/13:37:15.1
16353	M1O	04-035/13:58:47.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-035/13:46:56.3
16354	M1O	04-035/13:58:48.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-035/13:46:57.4
16355	M1O	04-035/13:58:58.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-035/13:47:07.4
16356	M1O	04-035/13:58:59.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-035/13:47:08.4
16357	M1O	04-035/13:59:00.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-035/13:47:09.4
16358	M1O	04-035/13:59:00.9	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16359	M1O	04-035/13:59:01.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-035/13:47:10.4
16360	M1O	04-035/14:04:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-035/13:52:09.0
16361	M1O	04-035/14:04:00.5	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16362	M1O	04-035/14:16:57.0		NOTE: Periapsis 9500 ----------		04-035/14:05:05.4
16363	M1O	04-035/14:18:24.1		NOTE: South Pole Crossing 9500		04-035/14:06:32.5
16364	M1O	04-035/14:31:21.6		SPAWN, Engine = 65535, Parameters = 035, 03, TRUE, 00:19:22, 254, TRUE, 128_KPS, 00:02:00, 00:00:00	uhf	04-035/14:19:30.0
16365	M1O	04-035/14:31:22.7		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	04-035/14:19:31.1
16366	M1O	04-035/14:31:24.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-035/14:19:33.1
16367	M1O	04-035/14:31:25.0		CALL, Engine = , Parameters = 035, 03, 254	bld_autosw	04-035/14:19:33.4
16368	M1O	04-035/14:31:26.1		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	04-035/14:19:34.5
16369	M1O	04-035/14:31:27.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:19:35.6
16370	M1O	04-035/14:31:28.2		Deletes the designated file.: d:/dat/254_doy035_pass03_file01.dat	FILE_DELETE	04-035/14:19:36.6
16371	M1O	04-035/14:31:29.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:19:37.7
16372	M1O	04-035/14:31:30.3		Deletes the designated file.: d:/dat/254_doy035_pass03_file02.dat	FILE_DELETE	04-035/14:19:38.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16373	M1O	04-035/14:31:31.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:19:39.8
16374	M1O	04-035/14:31:32.4		Deletes the designated file.: d:/dat/254_doy035_pass03_file03.dat	FILE_DELETE	04-035/14:19:40.8
16375	M1O	04-035/14:31:33.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:19:41.9
16376	M1O	04-035/14:31:34.5		Deletes the designated file.: d:/dat/254_doy035_pass03_file04.dat	FILE_DELETE	04-035/14:19:42.9
16377	M1O	04-035/14:31:35.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:19:44.0
16378	M1O	04-035/14:31:36.6		Deletes the designated file.: d:/dat/254_doy035_pass03_file05.dat	FILE_DELETE	04-035/14:19:45.0
16379	M1O	04-035/14:31:37.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:19:46.1
16380	M1O	04-035/14:31:38.7		Deletes the designated file.: d:/dat/254_doy035_pass03_file06.dat	FILE_DELETE	04-035/14:19:47.1
16381	M1O	04-035/14:31:39.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:19:48.2
16382	M1O	04-035/14:31:40.8		Deletes the designated file.: d:/dat/254_doy035_pass03_file07.dat	FILE_DELETE	04-035/14:19:49.2
16383	M1O	04-035/14:31:41.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:19:50.3
16384	M1O	04-035/14:31:42.9		Deletes the designated file.: d:/dat/254_doy035_pass03_file08.dat	FILE_DELETE	04-035/14:19:51.3
16385	M1O	04-035/14:31:44.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:19:52.4
16386	M1O	04-035/14:31:45.0		Deletes the designated file.: d:/dat/254_doy035_pass03_file09.dat	FILE_DELETE	04-035/14:19:53.4
16387	M1O	04-035/14:31:46.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:19:54.5
16388	M1O	04-035/14:31:47.1		Deletes the designated file.: d:/dat/254_doy035_pass03_file10.dat	FILE_DELETE	04-035/14:19:55.5
16389	M1O	04-035/14:31:48.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:19:56.6
16390	M1O	04-035/14:31:49.2		Deletes the designated file.: d:/dat/254_doy035_pass03_file11.dat	FILE_DELETE	04-035/14:19:57.6
16391	M1O	04-035/14:31:50.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:19:58.7
16392	M1O	04-035/14:31:51.3		Deletes the designated file.: d:/dat/254_doy035_pass03_file12.dat	FILE_DELETE	04-035/14:19:59.7
16393	M1O	04-035/14:31:52.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:20:00.8
16394	M1O	04-035/14:31:53.4		Deletes the designated file.: d:/dat/254_doy035_pass03_file13.dat	FILE_DELETE	04-035/14:20:01.8
16395	M1O	04-035/14:31:54.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:20:02.9
16396	M1O	04-035/14:31:55.5		Deletes the designated file.: d:/dat/254_doy035_pass03_file14.dat	FILE_DELETE	04-035/14:20:03.9
16397	M1O	04-035/14:31:56.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:20:05.0
16398	M1O	04-035/14:31:57.6		Deletes the designated file.: d:/dat/254_doy035_pass03_file15.dat	FILE_DELETE	04-035/14:20:06.0
16399	M1O	04-035/14:31:58.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:20:07.1
16400	M1O	04-035/14:31:59.7		Deletes the designated file.: d:/dat/254_doy035_pass03_file16.dat	FILE_DELETE	04-035/14:20:08.1
16401	M1O	04-035/14:32:00.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:20:09.2
16402	M1O	04-035/14:32:01.8		Deletes the designated file.: d:/dat/254_doy035_pass03_file17.dat	FILE_DELETE	04-035/14:20:10.2
16403	M1O	04-035/14:32:02.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:20:11.3
16404	M1O	04-035/14:32:03.9		Deletes the designated file.: d:/dat/254_doy035_pass03_file18.dat	FILE_DELETE	04-035/14:20:12.3
16405	M1O	04-035/14:32:05.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy035_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-035/14:20:13.4
16406	M1O	04-035/14:32:06.0		Deletes the designated file.: d:/dat/254_doy035_pass03_file19.dat	FILE_DELETE	04-035/14:20:14.4
16407	M1O	04-035/14:32:07.0		CALL, Engine = , Parameters = 254	get_apid	04-035/14:20:15.4
16408	M1O	04-035/14:32:08.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-035/14:20:16.5
16409	M1O	04-035/14:32:08.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-035/14:20:16.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16410	M1O	04-035/14:32:09.4		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-035/14:20:17.8
16411	M1O	04-035/14:32:10.7		CALL, Engine = , Parameters = 254	get_coding	04-035/14:20:19.1
16412	M1O	04-035/14:32:11.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-035/14:20:20.3
16413	M1O	04-035/14:32:13.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-035/14:20:21.5
16414	M1O	04-035/14:33:17.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-035/14:21:26.3
16415	M1O	04-035/14:33:18.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-035/14:21:27.3
16416	M1O	04-035/14:33:19.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-035/14:21:28.3
16417	M1O	04-035/14:33:20.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-035/14:21:29.3
16418	M1O	04-035/14:33:21.9		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-035/14:21:30.3
16419	M1O	04-035/14:33:22.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-035/14:21:31.3
16420	M1O	04-035/14:33:23.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-035/14:21:32.3
16421	M1O	04-035/14:33:24.9		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-035/14:21:33.3
16422	M1O	04-035/14:33:25.9		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-035/14:21:34.3
16423	M1O	04-035/14:35:13.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/14:23:22.3
16424	M1O	04-035/14:35:13.9	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16425	M1O	04-035/14:35:19.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/14:23:27.5
16426	M1O	04-035/14:35:23.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-035/14:23:32.3
16427	M1O	04-035/14:46:21.9		NOTE: Enter Solar Eclipse 9500		04-035/14:34:30.2
16428	M1O	04-035/14:47:45.5		NOTE: Ascending Node Crossing 9500		04-035/14:35:53.8
16429	M1O	04-035/14:52:40.9		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-035/14:40:49.3
16430	M1O	04-035/14:52:41.9		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-035/14:40:50.3
16431	M1O	04-035/14:52:43.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-035/14:40:52.3
16432	M1O	04-035/14:52:45.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-035/14:40:53.4
16433	M1O	04-035/14:52:55.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-035/14:41:03.4
16434	M1O	04-035/14:52:56.0		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	04-035/14:41:04.4
16435	M1O	04-035/14:52:57.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-035/14:41:05.4
16436	M1O	04-035/14:52:57.0	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16437	M1O	04-035/14:52:58.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-035/14:41:06.4
16438	M1O	04-035/14:57:56.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-035/14:46:05.0
16439	M1O	04-035/14:57:56.7	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16440	M1O	04-035/15:00:00.0	63	Begin Pre-Cal		
16441	M1O	04-035/15:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16442	M1O	04-035/15:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16443	M1O	04-035/15:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16444	M1O	04-035/15:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16445	M1O	04-035/15:00:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
16446	M1O	04-035/15:00:00.0	63	Config: RCV: Parms:		
16447	M1O	04-035/15:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16448	M1O	04-035/15:00:00.0	63	Config: TGC: BAND=X, SR=79632.000000		
16449	M1O	04-035/15:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
16450	M1O	04-035/15:00:14.4		NOTE: Exit Solar Eclipse 9500		04-035/14:48:22.7
16451	M1O	04-035/15:15:45.1		NOTE: Apoapsis 9500 -		04-035/15:03:53.3
16452	M1O	04-035/15:17:46.4		NOTE: North Pole Crossing 9500		04-035/15:05:54.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16453	M1O	04-035/15:37:25.8		SPAWN, Engine = 65535, Parameters = 035, 04, FALSE, 00:16:14.644, 253, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-035/15:25:34.0
16454	M1O	04-035/15:37:26.9		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	04-035/15:25:35.1
16455	M1O	04-035/15:37:28.9		CALL, Engine = , Parameters = 253	get_cmd_opt	04-035/15:25:37.1
16456	M1O	04-035/15:38:11.1		CALL, Engine = , Parameters = 253	get_apid	04-035/15:26:19.3
16457	M1O	04-035/15:38:12.2		CALL, Engine = , Parameters = 253	get_rcv_mode	04-035/15:26:20.4
16458	M1O	04-035/15:38:12.4		CALL, Engine = , Parameters = 253	get_dl_rate	04-035/15:26:20.6
16459	M1O	04-035/15:38:13.5		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-035/15:26:21.7
16460	M1O	04-035/15:38:14.8		CALL, Engine = , Parameters = 253	get_coding	04-035/15:26:23.0
16461	M1O	04-035/15:38:16.0		CALL, Engine = , Parameters = 253	get_xmt_mode	04-035/15:26:24.2
16462	M1O	04-035/15:38:17.2		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-035/15:26:25.4
16463	M1O	04-035/15:39:22.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-035/15:27:30.2
16464	M1O	04-035/15:39:23.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-035/15:27:31.2
16465	M1O	04-035/15:39:24.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-035/15:27:32.2
16466	M1O	04-035/15:39:25.0		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-035/15:27:33.2
16467	M1O	04-035/15:39:26.0		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-035/15:27:34.2
16468	M1O	04-035/15:39:27.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-035/15:27:35.2
16469	M1O	04-035/15:39:28.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-035/15:27:36.2
16470	M1O	04-035/15:47:43.4		NOTE: Descending Node Crossing 9501		04-035/15:35:51.5
16471	M1O	04-035/15:55:38.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-035/15:43:46.8
16472	M1O	04-035/15:55:39.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-035/15:43:47.9
16473	M1O	04-035/15:55:49.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-035/15:43:57.9
16474	M1O	04-035/15:55:50.8		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	04-035/15:43:58.9
16475	M1O	04-035/16:13:58.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-035/16:02:06.8
16476	M1O	04-035/16:14:00.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/16:02:08.9
16477	M1O	04-035/16:14:00.8	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16478	M1O	04-035/16:14:01.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-035/16:02:09.9
16479	M1O	04-035/16:14:54.7		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-035/16:03:02.8
16480	M1O	04-035/16:14:54.7	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16481	M1O	04-035/16:15:00.0	63	Begin Tracking		
16482	M1O	04-035/16:15:00.0	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		
16483	M1O	04-035/16:15:00.7		NOTE: Changing to 70M downlink rate: 110600_BPS		04-035/16:03:08.8
16484	M1O	04-035/16:15:00.7		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	04-035/16:03:08.8
16485	M1O	04-035/16:15:00.7	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		
16486	M1O	04-035/16:15:00.7	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16487	M1O	04-035/16:15:30.8		NOTE: Periapsis 9501 ----------		04-035/16:03:38.8
16488	M1O	04-035/16:17:00.8		NOTE: South Pole Crossing 9501		04-035/16:05:08.9
16489	M1O	04-035/16:20:00.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-035/16:08:08.9
16490	M1O	04-035/16:20:00.8	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		
16491	M1O	04-035/16:20:00.8	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16492	M1O	04-035/16:20:01.8		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-035/16:08:09.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
16493	M1O	04-035/16:44:58.5		NOTE: Enter Solar Eclipse 9501		04-035/16:33:06.5
16494	M1O	04-035/16:46:22.1		NOTE: Ascending Node Crossing 9501		04-035/16:34:30.0
16495	M1O	04-035/16:58:50.8		NOTE: Exit Solar Eclipse 9501		04-035/16:46:58.7
16496	M1O	04-035/17:05:00.0	14	Begin Pre-Cal		
16497	M1O	04-035/17:05:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16498	M1O	04-035/17:05:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16499	M1O	04-035/17:05:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16500	M1O	04-035/17:05:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16501	M1O	04-035/17:05:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16502	M1O	04-035/17:05:00.0	14	Config: RCV: Parms:		
16503	M1O	04-035/17:05:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16504	M1O	04-035/17:05:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
16505	M1O	04-035/17:05:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
16506	M1O	04-035/17:14:00.6		NOTE: Apoapsis 9501 -		04-035/17:02:08.4
16507	M1O	04-035/17:16:22.4		NOTE: North Pole Crossing 9501		04-035/17:04:30.3
16508	M1O	04-035/17:46:18.6		NOTE: Descending Node Crossing 9502		04-035/17:34:26.4
16509	M1O	04-035/18:14:02.4		NOTE: Periapsis 9502 ----------		04-035/18:02:10.0
16510	M1O	04-035/18:15:36.2		NOTE: South Pole Crossing 9502		04-035/18:03:43.9
16511	M1O	04-035/18:41:15.0	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
16512	M1O	04-035/18:42:06.4		SPAWN, Engine = 65535, Parameters = 035, 03, FALSE, 00:12:16.149, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-035/18:30:14.0
16513	M1O	04-035/18:42:07.5		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	04-035/18:30:15.1
16514	M1O	04-035/18:42:09.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-035/18:30:17.1
16515	M1O	04-035/18:42:51.7		CALL, Engine = , Parameters = 56	get_apid	04-035/18:30:59.3
16516	M1O	04-035/18:42:52.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-035/18:31:00.4
16517	M1O	04-035/18:42:53.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-035/18:31:00.6
16518	M1O	04-035/18:42:54.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-035/18:31:01.7
16519	M1O	04-035/18:42:55.3		CALL, Engine = , Parameters = 56	get_coding	04-035/18:31:02.9
16520	M1O	04-035/18:42:56.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-035/18:31:04.1
16521	M1O	04-035/18:42:57.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-035/18:31:05.3
16522	M1O	04-035/18:43:34.2		NOTE: Enter Solar Eclipse 9502		04-035/18:31:41.8
16523	M1O	04-035/18:44:02.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-035/18:32:10.1
16524	M1O	04-035/18:44:03.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-035/18:32:11.1
16525	M1O	04-035/18:44:04.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-035/18:32:12.1
16526	M1O	04-035/18:44:05.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-035/18:32:13.1
16527	M1O	04-035/18:44:06.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-035/18:32:14.1
16528	M1O	04-035/18:44:07.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-035/18:32:15.1
16529	M1O	04-035/18:44:08.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-035/18:32:16.1
16530	M1O	04-035/18:44:57.5		NOTE: Ascending Node Crossing 9502		04-035/18:33:05.1
16531	M1O	04-035/18:45:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
16532	M1O	04-035/18:50:00.0	14	Begin Tracking		
16533	M1O	04-035/18:50:00.0	14	Acquire D/L: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16534	M1O	04-035/18:55:00.0	55	Range Modulation Off		
16535	M1O	04-035/18:56:20.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-035/18:44:28.2
16536	M1O	04-035/18:56:21.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-035/18:44:29.3
16537	M1O	04-035/18:56:31.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-035/18:44:39.3
16538	M1O	04-035/18:56:32.8		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	04-035/18:44:40.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16539	M1O	04-035/18:57:29.5		NOTE: Exit Solar Eclipse 9502		04-035/18:45:37.1
16540	M1O	04-035/18:59:11.0	14	NOTE: Above Uplink Interlock Limit		
16541	M1O	04-035/19:00:00.0	55	X-Band Transmitter Off		
16542	M1O	04-035/19:05:00.0	55	End Tracking		
16543	M1O	04-035/19:12:21.4		NOTE: Apoapsis 9502 -		04-035/19:00:28.9
16544	M1O	04-035/19:14:56.7		NOTE: North Pole Crossing 9502		04-035/19:03:04.2
16545	M1O	04-035/19:20:00.0	55	End Post-Cal		
16546	M1O	04-035/19:22:37.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/19:10:45.0
16547	M1O	04-035/19:22:37.5	14	D/L Change: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16548	M1O	04-035/19:22:37.5	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		
16549	M1O	04-035/19:23:44.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16550	M1O	04-035/19:23:44.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16551	M1O	04-035/19:28:52.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-035/19:17:00.0
16552	M1O	04-035/19:28:52.5	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16553	M1O	04-035/19:28:52.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16554	M1O	04-035/19:44:51.6		NOTE: Descending Node Crossing 9503		04-035/19:32:59.0
16555	M1O	04-035/20:12:35.8		NOTE: Periapsis 9503 ----------		04-035/20:00:43.0
16556	M1O	04-035/20:14:08.9		NOTE: South Pole Crossing 9503		04-035/20:02:16.1
16557	M1O	04-035/20:35:36.7		SPAWN, Engine = 65535, Parameters = 035, 04, FALSE, 00:19:19.009, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-035/20:23:44.0
16558	M1O	04-035/20:35:37.8		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	04-035/20:23:45.1
16559	M1O	04-035/20:35:39.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-035/20:23:47.1
16560	M1O	04-035/20:36:22.0		CALL, Engine = , Parameters = 56	get_apid	04-035/20:24:29.3
16561	M1O	04-035/20:36:23.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-035/20:24:30.4
16562	M1O	04-035/20:36:23.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-035/20:24:30.6
16563	M1O	04-035/20:36:24.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-035/20:24:31.7
16564	M1O	04-035/20:36:25.6		CALL, Engine = , Parameters = 56	get_coding	04-035/20:24:32.9
16565	M1O	04-035/20:36:26.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-035/20:24:34.1
16566	M1O	04-035/20:36:28.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-035/20:24:35.3
16567	M1O	04-035/20:37:32.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-035/20:25:40.1
16568	M1O	04-035/20:37:33.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-035/20:25:41.1
16569	M1O	04-035/20:37:34.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-035/20:25:42.1
16570	M1O	04-035/20:37:35.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-035/20:25:43.1
16571	M1O	04-035/20:37:36.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-035/20:25:44.1
16572	M1O	04-035/20:37:37.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-035/20:25:45.1
16573	M1O	04-035/20:37:38.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-035/20:25:46.1
16574	M1O	04-035/20:42:05.9		NOTE: Enter Solar Eclipse 9503		04-035/20:30:13.1
16575	M1O	04-035/20:43:29.9		NOTE: Ascending Node Crossing 9503		04-035/20:31:37.1
16576	M1O	04-035/20:56:04.8		NOTE: Exit Solar Eclipse 9503		04-035/20:44:11.9
16577	M1O	04-035/20:56:53.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-035/20:45:01.1
16578	M1O	04-035/20:56:55.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-035/20:45:02.2
16579	M1O	04-035/20:57:05.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-035/20:45:12.2
16580	M1O	04-035/20:57:06.0		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	04-035/20:45:13.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16581	M1O	04-035/21:11:04.0		NOTE: Apoapsis 9503 -		04-035/20:59:11.1
16582	M1O	04-035/21:13:28.4		NOTE: North Pole Crossing 9503		04-035/21:01:35.5
16583	M1O	04-035/21:43:22.8		NOTE: Descending Node Crossing 9504		04-035/21:31:29.8
16584	M1O	04-035/22:11:01.5		NOTE: Periapsis 9504 ----------		04-035/21:59:08.4
16585	M1O	04-035/22:12:39.2		NOTE: South Pole Crossing 9504		04-035/22:00:46.1
16586	M1O	04-035/22:30:00.0	63	End Tracking		
16587	M1O	04-035/22:40:36.7		NOTE: Enter Solar Eclipse 9504		04-035/22:28:43.5
16588	M1O	04-035/22:41:59.7		NOTE: Ascending Node Crossing 9504		04-035/22:30:06.5
16589	M1O	04-035/22:45:00.0	63	End Post-Cal		
16590	M1O	04-035/22:45:00.0	26	Begin Pre-Cal		
16591	M1O	04-035/22:45:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16592	M1O	04-035/22:45:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16593	M1O	04-035/22:45:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16594	M1O	04-035/22:45:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16595	M1O	04-035/22:45:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16596	M1O	04-035/22:45:00.0	26	Config: RCV: Parms:		
16597	M1O	04-035/22:45:00.0	26	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16598	M1O	04-035/22:45:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
16599	M1O	04-035/22:45:00.0	26	Config: TXL		
16600	M1O	04-035/22:45:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
16601	M1O	04-035/22:45:00.0	26	Config: CMD		
16602	M1O	04-035/22:45:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
16603	M1O	04-035/22:54:30.0		NOTE: Exit Solar Eclipse 9504		04-035/22:42:36.8
16604	M1O	04-035/23:09:29.0		NOTE: Apoapsis 9504 -		04-035/22:57:35.7
16605	M1O	04-035/23:11:59.3		NOTE: North Pole Crossing 9504		04-035/23:00:06.0
16606	M1O	04-035/23:30:00.0	26	Begin Tracking		
16607	M1O	04-035/23:30:00.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16608	M1O	04-035/23:41:54.4		NOTE: Descending Node Crossing 9505		04-035/23:30:01.0
16609	M1O	04-035/23:54:55.4		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-035/23:43:02.0
16610	M1O	04-035/23:54:55.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-035/23:43:02.1
16611	M1O	04-035/23:54:56.5		Forces a desaturation of the reaction wheels.	RW_DESAT	04-035/23:43:03.1
16612	M1O	04-035/23:57:37.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	04-035/23:45:44.0
16613	M1O	04-035/23:57:53.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-033T23:45:44.100, 2004-035T23:45:44.100	PCKTS_RE_TX_TIME	04-035/23:45:59.8
16614	M1O	04-035/23:57:54.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-033T23:45:44.100, 2004-035T23:45:44.100	PCKTS_RE_TX_TIME	04-035/23:46:00.8
16615	M1O	04-035/23:57:55.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-033T23:45:44.100, 2004-035T23:45:44.100	PCKTS_RE_TX_TIME	04-035/23:46:01.8
16616	M1O	04-035/23:57:56.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-033T23:45:44.100, 2004-035T23:45:44.100	PCKTS_RE_TX_TIME	04-035/23:46:02.8
16617	M1O	04-035/23:57:57.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-033T23:45:44.100, 2004-035T23:45:44.100	PCKTS_RE_TX_TIME	04-035/23:46:03.8
16618	M1O	04-035/23:57:58.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-033T23:45:44.100, 2004-035T23:45:44.100	PCKTS_RE_TX_TIME	04-035/23:46:04.8
16619	M1O	04-035/23:57:58.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-035/23:46:04.8
16620	M1O	04-035/23:57:58.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16621	M1O	04-035/23:57:58.2	26	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16622	M1O	04-036/00:00:00.0		Light Time: OWLT = 11:53, RTLT = 23:46		
16623	M1O	04-036/00:04:59.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/23:53:05.8
16624	M1O	04-036/00:04:59.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16625	M1O	04-036/00:04:59.2	26	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
16626	M1O	04-036/00:05:00.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-035/23:53:06.8
16627	M1O	04-036/00:05:30.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	04-035/23:53:36.8
16628	M1O	04-036/00:05:30.2	14	NOTE: Loss Of X-Band Signal		
16629	M1O	04-036/00:05:30.2	26	NOTE: Loss Of X-Band Signal		
16630	M1O	04-036/00:05:40.2		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	04-035/23:53:46.8
16631	M1O	04-036/00:05:41.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-035/23:53:47.8
16632	M1O	04-036/00:05:42.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-035/23:53:48.8
16633	M1O	04-036/00:06:26.5		CALL, Engine = , Parameters = FALSE	park_hga	04-035/23:54:33.1
16634	M1O	04-036/00:06:26.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-035/23:54:33.1
16635	M1O	04-036/00:06:27.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-035/23:54:34.1
16636	M1O	04-036/00:06:28.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-035/23:54:35.1
16637	M1O	04-036/00:06:28.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-035/23:54:35.1
16638	M1O	04-036/00:06:28.5		NOTE: START HGA PARK		
16639	M1O	04-036/00:06:29.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-035/23:54:36.1
16640	M1O	04-036/00:06:30.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-035/23:54:37.1
16641	M1O	04-036/00:09:11.3		NOTE: Periapsis 9505 ----------		04-035/23:57:17.8
16642	M1O	04-036/00:11:00.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-035/23:59:07.1
16643	M1O	04-036/00:11:10.9		NOTE: South Pole Crossing 9505		04-035/23:59:17.4
16644	M1O	04-036/00:11:50.4		Loads the disignated sequence block from the file system.: 65535, d:/seq/cz507.abs	VM_LOAD	04-035/23:59:57.0
16645	M1O	04-036/00:14:30.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-036/00:02:37.1
16646	M1O	04-036/00:14:30.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-036/00:02:37.1
16647	M1O	04-036/00:38:46.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16648	M1O	04-036/00:39:13.2		NOTE: Enter Solar Eclipse 9505		04-036/00:27:19.7
16649	M1O	04-036/00:40:32.3		NOTE: Ascending Node Crossing 9505		04-036/00:28:38.7
16650	M1O	04-036/00:43:46.0	26	Range Modulation On: SUP=3.0dB		
16651	M1O	04-036/00:44:30.5		GV: GV_DESAT_ACTIVE = 1		04-036/00:32:37.0
16652	M1O	04-036/00:44:31.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-036/00:32:38.0
16653	M1O	04-036/00:44:31.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-036/00:32:38.0
16654	M1O	04-036/00:44:46.0	26	Begin Ranging Acquisition		
16655	M1O	04-036/00:52:54.5		NOTE: Exit Solar Eclipse 9505		04-036/00:41:00.8
16656	M1O	04-036/00:54:30.6		GV: GV_DESAT_ACTIVE = 0		04-036/00:42:37.0
16657	M1O	04-036/00:54:31.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-036/00:42:38.0
16658	M1O	04-036/00:54:32.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-036/00:42:39.0
16659	M1O	04-036/00:54:33.6		CALL, Engine = , Parameters =	unpark_hga	04-036/00:42:40.0
16660	M1O	04-036/00:54:33.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-036/00:42:40.0
16661	M1O	04-036/00:54:34.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-036/00:42:41.0
16662	M1O	04-036/00:59:04.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-036/00:47:11.0
16663	M1O	04-036/00:59:05.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-036/00:47:12.0
16664	M1O	04-036/01:02:07.9		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-036/00:50:14.3
16665	M1O	04-036/01:02:08.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-036/00:50:14.4
16666	M1O	04-036/01:02:09.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-036/00:50:15.4
16667	M1O	04-036/01:02:10.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-036/00:50:16.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16668	M1O	04-036/01:02:11.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-036/00:50:17.4
16669	M1O	04-036/01:02:12.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-036/00:50:18.4
16670	M1O	04-036/01:02:22.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-036/00:50:28.4
16671	M1O	04-036/01:02:32.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-036/00:50:38.4
16672	M1O	04-036/01:03:05.6		NOTE: EXIT HGA PARK		
16673	M1O	04-036/01:03:05.6	14	Acquisition Of X-Band Signal		
16674	M1O	04-036/01:03:05.6	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		
16675	M1O	04-036/01:03:05.6	26	Acquisition Of X-Band Signal		
16676	M1O	04-036/01:03:05.6	26	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16677	M1O	04-036/01:07:32.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-036/00:55:38.4
16678	M1O	04-036/01:07:33.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-036/00:55:39.4
16679	M1O	04-036/01:07:33.1	14	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16680	M1O	04-036/01:07:33.1	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16681	M1O	04-036/01:07:34.1		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-036/00:55:40.4
16682	M1O	04-036/01:07:45.5		NOTE: Apoapsis 9505 -		04-036/00:55:51.9
16683	M1O	04-036/01:10:32.8		NOTE: North Pole Crossing 9505		04-036/00:58:39.1
16684	M1O	04-036/01:40:28.5		NOTE: Descending Node Crossing 9506		04-036/01:28:34.8
16685	M1O	04-036/02:07:53.9		NOTE: Periapsis 9506 ----------		04-036/01:56:00.1
16686	M1O	04-036/02:09:46.4		NOTE: South Pole Crossing 9506		04-036/01:57:52.6
16687	M1O	04-036/02:36:12.0	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
16688	M1O	04-036/02:37:50.6		NOTE: Enter Solar Eclipse 9506		04-036/02:25:56.7
16689	M1O	04-036/02:39:08.8		NOTE: Ascending Node Crossing 9506		04-036/02:27:14.9
16690	M1O	04-036/02:40:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
16691	M1O	04-036/02:50:00.0	26	Range Modulation Off		
16692	M1O	04-036/02:51:28.4		NOTE: Exit Solar Eclipse 9506		04-036/02:39:34.4
16693	M1O	04-036/02:55:00.0	26	X-Band Transmitter Off		
16694	M1O	04-036/03:00:00.0	26	End Tracking		
16695	M1O	04-036/03:00:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16696	M1O	04-036/03:05:00.0	14	Range Modulation On: SUP=3.0dB		
16697	M1O	04-036/03:06:00.0	14	Begin Ranging Acquisition		
16698	M1O	04-036/03:06:36.5		NOTE: Apoapsis 9506 -		04-036/02:54:42.5
16699	M1O	04-036/03:09:08.8		NOTE: North Pole Crossing 9506		04-036/02:57:14.8
16700	M1O	04-036/03:15:00.0	26	End Post-Cal		
16701	M1O	04-036/03:17:45.4		SPAWN, Engine = 65535, Parameters = 3, 00:11:00, 1	dpt	04-036/03:05:51.3
16702	M1O	04-036/03:17:47.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-036/03:05:53.4
16703	M1O	04-036/03:17:47.5	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		
16704	M1O	04-036/03:17:48.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-036/03:05:54.4
16705	M1O	04-036/03:18:48.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16706	M1O	04-036/03:23:48.0	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16707	M1O	04-036/03:28:47.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-036/03:16:53.4
16708	M1O	04-036/03:28:47.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16709	M1O	04-036/03:28:48.5		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-036/03:16:54.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
16710	M1O	04-036/03:39:04.6		NOTE: Descending Node Crossing 9507		04-036/03:27:10.4
16711	M1O	04-036/04:06:55.6		NOTE: Periapsis 9507 ----------		04-036/03:55:01.3
16712	M1O	04-036/04:08:23.2		NOTE: South Pole Crossing 9507		04-036/03:56:29.0
16713	M1O	04-036/04:36:25.1		NOTE: Enter Solar Eclipse 9507		04-036/04:24:30.8
16714	M1O	04-036/04:37:45.6		NOTE: Ascending Node Crossing 9507		04-036/04:25:51.2
16715	M1O	04-036/04:50:06.0		NOTE: Exit Solar Eclipse 9507		04-036/04:38:11.6
16716	M1O	04-036/05:05:44.4		NOTE: Apoapsis 9507 -		04-036/04:53:49.9
16717	M1O	04-036/05:07:45.2		NOTE: North Pole Crossing 9507		04-036/04:55:50.7
16718	M1O	04-036/05:15:00.0	43	Begin Pre-Cal		
16719	M1O	04-036/05:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16720	M1O	04-036/05:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16721	M1O	04-036/05:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16722	M1O	04-036/05:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16723	M1O	04-036/05:15:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16724	M1O	04-036/05:15:00.0	43	Config: RCV: Parms:		
16725	M1O	04-036/05:15:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16726	M1O	04-036/05:15:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
16727	M1O	04-036/05:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
16728	M1O	04-036/05:37:41.1		NOTE: Descending Node Crossing 9508		04-036/05:25:46.6
16729	M1O	04-036/06:00:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
16730	M1O	04-036/06:05:50.7		NOTE: Periapsis 9508 ----------		04-036/05:53:56.1
16731	M1O	04-036/06:06:59.3		NOTE: South Pole Crossing 9508		04-036/05:55:04.7
16732	M1O	04-036/06:10:00.0	14	Range Modulation Off		
16733	M1O	04-036/06:15:00.0	14	X-Band Transmitter Off		
16734	M1O	04-036/06:16:10.6	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
16735	M1O	04-036/06:29:15.0	14	NOTE: Below Uplink Interlock Limit		
16736	M1O	04-036/06:30:00.0	43	Begin Tracking		
16737	M1O	04-036/06:30:00.0	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		
16738	M1O	04-036/06:34:57.1		NOTE: Enter Solar Eclipse 9508		04-036/06:23:02.4
16739	M1O	04-036/06:36:20.6		NOTE: Ascending Node Crossing 9508		04-036/06:24:25.9
16740	M1O	04-036/06:37:47.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-036/06:25:52.4
16741	M1O	04-036/06:37:49.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-036/06:25:54.5
16742	M1O	04-036/06:37:49.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16743	M1O	04-036/06:37:49.3	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		
16744	M1O	04-036/06:37:50.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-036/06:25:55.5
16745	M1O	04-036/06:38:49.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16746	M1O	04-036/06:38:49.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16747	M1O	04-036/06:40:00.0	14	End Tracking		
16748	M1O	04-036/06:43:49.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-036/06:31:54.5
16749	M1O	04-036/06:43:49.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16750	M1O	04-036/06:43:50.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-036/06:31:55.5
16751	M1O	04-036/06:48:43.4		NOTE: Exit Solar Eclipse 9508		04-036/06:36:48.7
16752	M1O	04-036/06:55:00.0	14	End Post-Cal		
16753	M1O	04-036/07:04:28.3		NOTE: Apoapsis 9508 -		04-036/06:52:33.5
16754	M1O	04-036/07:06:20.1		NOTE: North Pole Crossing 9508		04-036/06:54:25.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16755	M1O	04-036/07:11:54.8		SPAWN, Engine = 65535, Parameters =	scdiag	04-036/07:00:00.0
16756	M1O	04-036/07:11:55.9		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-036/07:00:01.1
16757	M1O	04-036/07:11:56.9		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-036/07:00:02.1
16758	M1O	04-036/07:12:57.8		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-036/07:01:03.0
16759	M1O	04-036/07:12:58.0		NOTE: Start Block fsw_diag		04-036/07:01:03.2
16760	M1O	04-036/07:12:59.0		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-036/07:01:04.2
16761	M1O	04-036/07:13:00.0		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	04-036/07:01:05.2
16762	M1O	04-036/07:13:11.0		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	04-036/07:01:16.2
16763	M1O	04-036/07:13:41.0		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-036/07:01:46.2
16764	M1O	04-036/07:14:01.0		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-036/07:02:06.2
16765	M1O	04-036/07:14:11.0		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-036/07:02:16.2
16766	M1O	04-036/07:14:31.0		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-036/07:02:36.2
16767	M1O	04-036/07:14:41.0		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-036/07:02:46.2
16768	M1O	04-036/07:14:46.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-036/07:02:51.2
16769	M1O	04-036/07:14:51.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-036/07:02:56.2
16770	M1O	04-036/07:14:56.0		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-036/07:03:01.2
16771	M1O	04-036/07:15:01.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-036/07:03:06.2
16772	M1O	04-036/07:15:06.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-036/07:03:11.2
16773	M1O	04-036/07:15:46.0		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-036/07:03:51.2
16774	M1O	04-036/07:15:51.0		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-036/07:03:56.2
16775	M1O	04-036/07:15:56.0		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-036/07:04:01.2
16776	M1O	04-036/07:16:01.0		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-036/07:04:06.2
16777	M1O	04-036/07:16:06.0		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-036/07:04:11.2
16778	M1O	04-036/07:16:07.0		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-036/07:04:12.2
16779	M1O	04-036/07:16:08.0		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-036/07:04:13.2
16780	M1O	04-036/07:16:09.0		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-036/07:04:14.2
16781	M1O	04-036/07:16:20.0		NOTE: End Block fsw_diag.mod		04-036/07:04:25.2
16782	M1O	04-036/07:36:15.9		NOTE: Descending Node Crossing 9509		04-036/07:24:21.0
16783	M1O	04-036/08:04:18.5		NOTE: Periapsis 9509 ----------		04-036/07:52:23.5
16784	M1O	04-036/08:05:32.9		NOTE: South Pole Crossing 9509		04-036/07:53:37.9
16785	M1O	04-036/08:33:28.2		NOTE: Enter Solar Eclipse 9509		04-036/08:21:33.2
16786	M1O	04-036/08:34:53.2		NOTE: Ascending Node Crossing 9509		04-036/08:22:58.1
16787	M1O	04-036/08:47:18.1		NOTE: Exit Solar Eclipse 9509		04-036/08:35:23.0
16788	M1O	04-036/09:02:40.7		NOTE: Apoapsis 9509 -		04-036/08:50:45.5
16789	M1O	04-036/09:04:52.3		NOTE: North Pole Crossing 9509		04-036/08:52:57.1
16790	M1O	04-036/09:30:00.0	63	Begin Pre-Cal		
16791	M1O	04-036/09:30:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16792	M1O	04-036/09:30:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16793	M1O	04-036/09:30:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16794	M1O	04-036/09:30:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16795	M1O	04-036/09:30:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16796	M1O	04-036/09:30:00.0	63	Config: RCV: Parms:		
16797	M1O	04-036/09:30:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16798	M1O	04-036/09:30:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
16799	M1O	04-036/09:30:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
16800	M1O	04-036/09:34:47.5		NOTE: Descending Node Crossing 9510		04-036/09:22:52.2
16801	M1O	04-036/09:50:00.0	55	Begin Pre-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16802	M1O	04-036/09:50:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16803	M1O	04-036/09:50:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16804	M1O	04-036/09:50:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16805	M1O	04-036/09:50:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16806	M1O	04-036/09:50:00.0	55	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16807	M1O	04-036/09:50:00.0	55	Config: RCV: Parms:		
16808	M1O	04-036/09:50:00.0	55	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16809	M1O	04-036/09:50:00.0	55	Config: TGC: BAND=X, SR=221200.000000		
16810	M1O	04-036/09:50:00.0	55	Config: TXL		
16811	M1O	04-036/09:50:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
16812	M1O	04-036/09:50:00.0	55	Config: CMD		
16813	M1O	04-036/09:50:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
16814	M1O	04-036/10:02:29.3		NOTE: Periapsis 9510 ----------		04-036/09:50:34.0
16815	M1O	04-036/10:04:04.0		NOTE: South Pole Crossing 9510		04-036/09:52:08.6
16816	M1O	04-036/10:32:01.3		NOTE: Enter Solar Eclipse 9510		04-036/10:20:05.9
16817	M1O	04-036/10:33:24.5		NOTE: Ascending Node Crossing 9510		04-036/10:21:29.1
16818	M1O	04-036/10:45:48.4		NOTE: Exit Solar Eclipse 9510		04-036/10:33:52.9
16819	M1O	04-036/11:01:00.1		NOTE: Apoapsis 9510 -		04-036/10:49:04.5
16820	M1O	04-036/11:03:23.2		NOTE: North Pole Crossing 9510		04-036/10:51:27.7
16821	M1O	04-036/11:20:00.0	55	Begin Tracking		
16822	M1O	04-036/11:20:00.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16823	M1O	04-036/11:23:32.0	55	NOTE: Above Uplink Interlock Limit		
16824	M1O	04-036/11:25:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16825	M1O	04-036/11:28:59.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-036/11:17:03.3
16826	M1O	04-036/11:29:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-036/11:17:05.4
16827	M1O	04-036/11:29:01.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16828	M1O	04-036/11:29:01.1	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16829	M1O	04-036/11:29:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-036/11:17:06.4
16830	M1O	04-036/11:30:00.0	43	End Tracking		
16831	M1O	04-036/11:30:00.0	63	Begin Tracking		
16832	M1O	04-036/11:30:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16833	M1O	04-036/11:30:00.0	55	Range Modulation On: SUP=3.0dB		
16834	M1O	04-036/11:31:00.0	55	Begin Ranging Acquisition		
16835	M1O	04-036/11:33:17.8		NOTE: Descending Node Crossing 9511		04-036/11:21:22.1
16836	M1O	04-036/11:35:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-036/11:23:05.4
16837	M1O	04-036/11:35:01.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16838	M1O	04-036/11:35:01.1	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16839	M1O	04-036/11:35:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-036/11:23:06.4
16840	M1O	04-036/11:45:00.0	43	End Post-Cal		
16841	M1O	04-036/11:47:48.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-036/11:35:52.4
16842	M1O	04-036/11:47:50.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-036/11:35:54.5
16843	M1O	04-036/11:47:50.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16844	M1O	04-036/11:47:50.2	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16845	M1O	04-036/11:47:51.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-036/11:35:55.5
16846	M1O	04-036/11:48:51.2	63	Acquire D/L: X/08, 3-Way/55, 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
16847	M1O	04-036/11:48:51.2	55	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16848	M1O	04-036/11:53:50.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-036/11:41:54.5
16849	M1O	04-036/11:53:50.3	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		
16850	M1O	04-036/11:53:50.3	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16851	M1O	04-036/11:53:51.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-036/11:41:55.5
16852	M1O	04-036/12:00:52.0		NOTE: Periapsis 9511 ----------		04-036/11:48:56.3
16853	M1O	04-036/12:02:35.0		NOTE: South Pole Crossing 9511		04-036/11:50:39.3
16854	M1O	04-036/12:30:35.5		NOTE: Enter Solar Eclipse 9511		04-036/12:18:39.7
16855	M1O	04-036/12:31:56.7		NOTE: Ascending Node Crossing 9511		04-036/12:20:00.9
16856	M1O	04-036/12:44:14.0		NOTE: Exit Solar Eclipse 9511		04-036/12:32:18.1
16857	M1O	04-036/12:59:49.5		NOTE: Apoapsis 9511 -		04-036/12:47:53.5
16858	M1O	04-036/13:01:56.5		NOTE: North Pole Crossing 9511		04-036/12:50:00.6
16859	M1O	04-036/13:31:52.3		NOTE: Descending Node Crossing 9512		04-036/13:19:56.3
16860	M1O	04-036/13:59:37.7		NOTE: Periapsis 9512 ----------		04-036/13:47:41.6
16861	M1O	04-036/14:01:09.9		NOTE: South Pole Crossing 9512		04-036/13:49:13.7
16862	M1O	04-036/14:29:09.9		NOTE: Enter Solar Eclipse 9512		04-036/14:17:13.7
16863	M1O	04-036/14:30:31.5		NOTE: Ascending Node Crossing 9512		04-036/14:18:35.3
16864	M1O	04-036/14:42:43.3		NOTE: Exit Solar Eclipse 9512		04-036/14:30:47.0
16865	M1O	04-036/14:58:31.3		NOTE: Apoapsis 9512 -		04-036/14:46:35.0
16866	M1O	04-036/15:00:32.4		NOTE: North Pole Crossing 9512		04-036/14:48:36.1
16867	M1O	04-036/15:30:29.3		NOTE: Descending Node Crossing 9513		04-036/15:18:32.9
16868	M1O	04-036/15:58:17.9		NOTE: Periapsis 9513 ----------		04-036/15:46:21.4
16869	M1O	04-036/15:59:46.7		NOTE: South Pole Crossing 9513		04-036/15:47:50.2
16870	M1O	04-036/16:06:06.8	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
16871	M1O	04-036/16:10:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
16872	M1O	04-036/16:20:00.0	55	Range Modulation Off		
16873	M1O	04-036/16:25:00.0	55	X-Band Transmitter Off		
16874	M1O	04-036/16:27:45.9		NOTE: Enter Solar Eclipse 9513		04-036/16:15:49.3
16875	M1O	04-036/16:29:08.0		NOTE: Ascending Node Crossing 9513		04-036/16:17:11.4
16876	M1O	04-036/16:30:00.0	55	End Tracking		
16877	M1O	04-036/16:30:00.0	55	End Post-Cal		
16878	M1O	04-036/16:41:17.8		NOTE: Exit Solar Eclipse 9513		04-036/16:29:21.2
16879	M1O	04-036/16:47:50.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-036/16:35:53.6
16880	M1O	04-036/16:47:52.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-036/16:35:55.7
16881	M1O	04-036/16:47:52.4	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		
16882	M1O	04-036/16:47:53.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-036/16:35:56.7
16883	M1O	04-036/16:48:53.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16884	M1O	04-036/16:53:52.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-036/16:41:55.7
16885	M1O	04-036/16:53:52.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16886	M1O	04-036/16:53:53.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-036/16:41:56.7
16887	M1O	04-036/16:56:55.0		NOTE: Apoapsis 9513 -		04-036/16:44:58.3
16888	M1O	04-036/16:59:08.8		NOTE: North Pole Crossing 9513		04-036/16:47:12.1
16889	M1O	04-036/17:29:05.6		NOTE: Descending Node Crossing 9514		04-036/17:17:08.8
16890	M1O	04-036/17:56:47.9		NOTE: Periapsis 9514 ----------		04-036/17:44:51.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16891	M1O	04-036/17:58:23.1		NOTE: South Pole Crossing 9514		04-036/17:46:26.2
16892	M1O	04-036/18:26:22.9		NOTE: Enter Solar Eclipse 9514		04-036/18:14:25.9
16893	M1O	04-036/18:27:44.5		NOTE: Ascending Node Crossing 9514		04-036/18:15:47.5
16894	M1O	04-036/18:39:56.3		NOTE: Exit Solar Eclipse 9514		04-036/18:27:59.3
16895	M1O	04-036/18:55:07.9		NOTE: Apoapsis 9514 -		04-036/18:43:10.8
16896	M1O	04-036/18:57:44.3		NOTE: North Pole Crossing 9514		04-036/18:45:47.2
16897	M1O	04-036/19:27:39.7		NOTE: Descending Node Crossing 9515		04-036/19:15:42.6
16898	M1O	04-036/19:55:20.8		NOTE: Periapsis 9515 ----------		04-036/19:43:23.6
16899	M1O	04-036/19:56:57.2		NOTE: South Pole Crossing 9515		04-036/19:45:00.0
16900	M1O	04-036/20:24:56.6		NOTE: Enter Solar Eclipse 9515		04-036/20:12:59.3
16901	M1O	04-036/20:26:18.6		NOTE: Ascending Node Crossing 9515		04-036/20:14:21.2
16902	M1O	04-036/20:38:34.2		NOTE: Exit Solar Eclipse 9515		04-036/20:26:36.8
16903	M1O	04-036/20:53:43.3		NOTE: Apoapsis 9515 -		04-036/20:41:45.8
16904	M1O	04-036/20:56:17.3		NOTE: North Pole Crossing 9515		04-036/20:44:19.8
16905	M1O	04-036/21:15:00.0	14	Begin Pre-Cal		
16906	M1O	04-036/21:15:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16907	M1O	04-036/21:15:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16908	M1O	04-036/21:15:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16909	M1O	04-036/21:15:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16910	M1O	04-036/21:15:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16911	M1O	04-036/21:15:00.0	14	Config: RCV: Parms:		
16912	M1O	04-036/21:15:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16913	M1O	04-036/21:15:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
16914	M1O	04-036/21:15:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
16915	M1O	04-036/21:26:11.7		NOTE: Descending Node Crossing 9516		04-036/21:14:14.1
16916	M1O	04-036/21:53:53.5		NOTE: Periapsis 9516 ----------		04-036/21:41:55.9
16917	M1O	04-036/21:55:28.5		NOTE: South Pole Crossing 9516		04-036/21:43:30.8
16918	M1O	04-036/22:23:26.9		NOTE: Enter Solar Eclipse 9516		04-036/22:11:29.2
16919	M1O	04-036/22:24:49.3		NOTE: Ascending Node Crossing 9516		04-036/22:12:51.5
16920	M1O	04-036/22:31:24.0	63	NOTE: Below Uplink Interlock Limit		
16921	M1O	04-036/22:37:04.7		NOTE: Exit Solar Eclipse 9516		04-036/22:25:07.0
16922	M1O	04-036/22:52:19.8		NOTE: Apoapsis 9516 -		04-036/22:40:22.0
16923	M1O	04-036/22:54:48.2		NOTE: North Pole Crossing 9516		04-036/22:42:50.4
16924	M1O	04-036/22:58:58.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-036/22:47:01.0
16925	M1O	04-036/22:59:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-036/22:47:03.1
16926	M1O	04-036/22:59:01.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16927	M1O	04-036/22:59:02.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-036/22:47:04.1
16928	M1O	04-036/23:00:00.0	63	End Tracking		
16929	M1O	04-036/23:00:00.0	14	Begin Tracking		
16930	M1O	04-036/23:00:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16931	M1O	04-036/23:05:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-036/22:53:03.1
16932	M1O	04-036/23:05:01.0	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16933	M1O	04-036/23:05:02.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-036/22:53:04.1
16934	M1O	04-036/23:15:00.0	63	End Post-Cal		
16935	M1O	04-036/23:24:42.8		NOTE: Descending Node Crossing 9517		04-036/23:12:44.9
16936	M1O	04-036/23:37:42.9		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-036/23:25:45.0
16937	M1O	04-036/23:37:43.0		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-036/23:25:45.1
16938	M1O	04-036/23:37:44.0		Forces a desaturation of the reaction wheels.	RW_DESAT	04-036/23:25:46.1
16939	M1O	04-036/23:41:05.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-036/23:29:08.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16940	M1O	04-036/23:41:21.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-034T23:29:08.100, 2004-036T23:29:08.100	PCKTS_RE_TX_TIME	04-036/23:29:23.8
16941	M1O	04-036/23:41:22.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-034T23:29:08.100, 2004-036T23:29:08.100	PCKTS_RE_TX_TIME	04-036/23:29:24.8
16942	M1O	04-036/23:41:23.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-034T23:29:08.100, 2004-036T23:29:08.100	PCKTS_RE_TX_TIME	04-036/23:29:25.8
16943	M1O	04-036/23:41:24.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-034T23:29:08.100, 2004-036T23:29:08.100	PCKTS_RE_TX_TIME	04-036/23:29:26.8
16944	M1O	04-036/23:41:25.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-034T23:29:08.100, 2004-036T23:29:08.100	PCKTS_RE_TX_TIME	04-036/23:29:27.8
16945	M1O	04-036/23:41:26.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-034T23:29:08.100, 2004-036T23:29:08.100	PCKTS_RE_TX_TIME	04-036/23:29:28.8
16946	M1O	04-036/23:41:26.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-036/23:29:28.8
16947	M1O	04-036/23:41:26.7	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16948	M1O	04-036/23:48:27.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-036/23:36:29.8
16949	M1O	04-036/23:48:27.8	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16950	M1O	04-036/23:48:28.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-036/23:36:30.8
16951	M1O	04-036/23:48:44.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-036/23:36:46.8
16952	M1O	04-036/23:48:44.8	14	D/L RF Warning: SC antenna change - expect signal level variation		
16953	M1O	04-036/23:48:45.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-036/23:36:47.8
16954	M1O	04-036/23:49:14.1		CALL, Engine = , Parameters = FALSE	park_hga	04-036/23:37:16.1
16955	M1O	04-036/23:49:14.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-036/23:37:16.1
16956	M1O	04-036/23:49:15.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-036/23:37:17.1
16957	M1O	04-036/23:49:16.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-036/23:37:18.1
16958	M1O	04-036/23:49:16.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-036/23:37:18.1
16959	M1O	04-036/23:49:16.1		NOTE: START HGA PARK		
16960	M1O	04-036/23:49:16.1	14	NOTE: Loss Of X-Band Signal		
16961	M1O	04-036/23:49:17.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-036/23:37:19.1
16962	M1O	04-036/23:49:18.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-036/23:37:20.1
16963	M1O	04-036/23:52:07.7		NOTE: Periapsis 9517 ----------		04-036/23:40:09.7
16964	M1O	04-036/23:53:48.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-036/23:41:50.1
16965	M1O	04-036/23:53:59.1		NOTE: South Pole Crossing 9517		04-036/23:42:01.1
16966	M1O	04-036/23:57:18.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-036/23:45:20.1
16967	M1O	04-036/23:57:18.1		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-036/23:45:20.1
16968	M1O	04-037/00:00:00.0		Light Time: OWLT = 11:58, RTLT = 23:56		
16969	M1O	04-037/00:00:00.0	15	Begin Pre-Cal		
16970	M1O	04-037/00:00:00.0	15	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
16971	M1O	04-037/00:00:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16972	M1O	04-037/00:00:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16973	M1O	04-037/00:00:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16974	M1O	04-037/00:00:00.0	15	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16975	M1O	04-037/00:00:00.0	15	Config: RCV: Parms:		
16976	M1O	04-037/00:00:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16977	M1O	04-037/00:00:00.0	15	Config: TGC: BAND=X, SR=221200.000000		
16978	M1O	04-037/00:00:00.0	15	Config: TXL		
16979	M1O	04-037/00:00:00.0	15	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
16980	M1O	04-037/00:00:00.0	15	Config: CMD		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16981	M1O	04-037/00:00:00.0	15	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
16982	M1O	04-037/00:22:00.8		NOTE: Enter Solar Eclipse 9517		04-037/00:10:02.7
16983	M1O	04-037/00:23:20.2		NOTE: Ascending Node Crossing 9517		04-037/00:11:22.1
16984	M1O	04-037/00:27:18.1		GV: GV_DESAT_ACTIVE = 1		04-037/00:15:20.0
16985	M1O	04-037/00:27:19.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-037/00:15:21.0
16986	M1O	04-037/00:27:19.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-037/00:15:21.0
16987	M1O	04-037/00:35:28.0		NOTE: Exit Solar Eclipse 9517		04-037/00:23:29.9
16988	M1O	04-037/00:37:18.1		GV: GV_DESAT_ACTIVE = 0		04-037/00:25:20.0
16989	M1O	04-037/00:37:19.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-037/00:25:21.0
16990	M1O	04-037/00:37:20.1		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-037/00:25:22.0
16991	M1O	04-037/00:37:21.1		CALL, Engine = , Parameters =	unpark_hga	04-037/00:25:23.0
16992	M1O	04-037/00:37:21.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-037/00:25:23.0
16993	M1O	04-037/00:37:22.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-037/00:25:24.0
16994	M1O	04-037/00:41:52.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-037/00:29:54.0
16995	M1O	04-037/00:41:53.1		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-037/00:29:55.0
16996	M1O	04-037/00:45:00.0	15	Begin Tracking		
16997	M1O	04-037/00:45:18.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-037/00:33:20.0
16998	M1O	04-037/00:45:18.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-037/00:33:20.1
16999	M1O	04-037/00:45:19.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-037/00:33:21.1
17000	M1O	04-037/00:45:20.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-037/00:33:22.1
17001	M1O	04-037/00:45:21.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-037/00:33:23.1
17002	M1O	04-037/00:45:22.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-037/00:33:24.1
17003	M1O	04-037/00:45:32.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-037/00:33:34.1
17004	M1O	04-037/00:45:42.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-037/00:33:44.1
17005	M1O	04-037/00:45:53.1		NOTE: EXIT HGA PARK		
17006	M1O	04-037/00:45:53.1	14	Acquisition Of X-Band Signal		
17007	M1O	04-037/00:45:53.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17008	M1O	04-037/00:45:53.1	15	Acquisition Of X-Band Signal		
17009	M1O	04-037/00:45:53.1	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17010	M1O	04-037/00:46:00.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17011	M1O	04-037/00:50:38.3		NOTE: Apoapsis 9517 -		04-037/00:38:40.1
17012	M1O	04-037/00:50:42.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-037/00:38:44.1
17013	M1O	04-037/00:50:43.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-037/00:38:45.1
17014	M1O	04-037/00:50:43.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17015	M1O	04-037/00:50:43.3	15	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17016	M1O	04-037/00:50:44.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-037/00:38:46.1
17017	M1O	04-037/00:51:00.0	15	Range Modulation On: SUP=3.0dB		
17018	M1O	04-037/00:52:00.0	15	Begin Ranging Acquisition		
17019	M1O	04-037/00:53:20.3		NOTE: North Pole Crossing 9517		04-037/00:41:22.1
17020	M1O	04-037/01:08:54.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-037/00:56:55.9
17021	M1O	04-037/01:08:56.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-037/00:56:58.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17022	M1O	04-037/01:08:56.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17023	M1O	04-037/01:08:56.2	15	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17024	M1O	04-037/01:08:57.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-037/00:56:59.0
17025	M1O	04-037/01:09:56.3	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		
17026	M1O	04-037/01:09:56.3	15	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17027	M1O	04-037/01:14:56.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-037/01:02:58.0
17028	M1O	04-037/01:14:56.3	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		
17029	M1O	04-037/01:14:56.3	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17030	M1O	04-037/01:14:57.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-037/01:02:59.0
17031	M1O	04-037/01:23:15.8		NOTE: Descending Node Crossing 9518		04-037/01:11:17.5
17032	M1O	04-037/01:50:34.8		NOTE: Periapsis 9518 ----------		04-037/01:38:36.4
17033	M1O	04-037/01:52:33.3		NOTE: South Pole Crossing 9518		04-037/01:40:34.9
17034	M1O	04-037/02:20:39.1		NOTE: Enter Solar Eclipse 9518		04-037/02:08:40.6
17035	M1O	04-037/02:21:55.6		NOTE: Ascending Node Crossing 9518		04-037/02:09:57.1
17036	M1O	04-037/02:33:58.1		NOTE: Exit Solar Eclipse 9518		04-037/02:21:59.6
17037	M1O	04-037/02:49:13.6		NOTE: Apoapsis 9518 -		04-037/02:37:15.1
17038	M1O	04-037/02:51:55.7		NOTE: North Pole Crossing 9518		04-037/02:39:57.1
17039	M1O	04-037/03:21:02.5	15	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17040	M1O	04-037/03:21:51.2		NOTE: Descending Node Crossing 9519		04-037/03:09:52.6
17041	M1O	04-037/03:35:00.0	15	Range Modulation Off		
17042	M1O	04-037/03:40:00.0	14	U/L Transfer From DSS-15 to DSS-14: PWR=20.0, BR=125.0		
17043	M1O	04-037/03:45:00.0	15	End Tracking		
17044	M1O	04-037/03:45:00.0	14	Range Modulation On: SUP=3.0dB		
17045	M1O	04-037/03:46:00.0	14	Begin Ranging Acquisition		
17046	M1O	04-037/03:49:31.8		NOTE: Periapsis 9519 ----------		04-037/03:37:33.0
17047	M1O	04-037/03:51:10.0		NOTE: South Pole Crossing 9519		04-037/03:39:11.2
17048	M1O	04-037/04:00:00.0	15	End Post-Cal		
17049	M1O	04-037/04:03:57.4	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17050	M1O	04-037/04:19:15.0		NOTE: Enter Solar Eclipse 9519		04-037/04:07:16.1
17051	M1O	04-037/04:20:32.7		NOTE: Ascending Node Crossing 9519		04-037/04:08:33.8
17052	M1O	04-037/04:32:34.8		NOTE: Exit Solar Eclipse 9519		04-037/04:20:35.9
17053	M1O	04-037/04:48:19.1		NOTE: Apoapsis 9519 -		04-037/04:36:20.1
17054	M1O	04-037/04:50:32.1		NOTE: North Pole Crossing 9519		04-037/04:38:33.1
17055	M1O	04-037/05:05:00.0	43	Begin Pre-Cal		
17056	M1O	04-037/05:05:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17057	M1O	04-037/05:05:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17058	M1O	04-037/05:05:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17059	M1O	04-037/05:05:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17060	M1O	04-037/05:05:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17061	M1O	04-037/05:05:00.0	43	Config: RCV: Parms:		
17062	M1O	04-037/05:05:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17063	M1O	04-037/05:05:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
17064	M1O	04-037/05:05:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17065	M1O	04-037/05:20:27.8		NOTE: Descending Node Crossing 9520		04-037/05:08:28.7
17066	M1O	04-037/05:48:32.9		NOTE: Periapsis 9520 ----------		04-037/05:36:33.7
17067	M1O	04-037/05:49:46.6		NOTE: South Pole Crossing 9520		04-037/05:37:47.5
17068	M1O	04-037/06:00:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17069	M1O	04-037/06:10:00.0	14	Range Modulation Off		
17070	M1O	04-037/06:15:00.0	14	X-Band Transmitter Off		
17071	M1O	04-037/06:16:01.4	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17072	M1O	04-037/06:17:48.0		NOTE: Enter Solar Eclipse 9520		04-037/06:05:48.8
17073	M1O	04-037/06:19:08.7		NOTE: Ascending Node Crossing 9520		04-037/06:07:09.4
17074	M1O	04-037/06:20:00.0	43	Begin Tracking		
17075	M1O	04-037/06:20:00.0	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		
17076	M1O	04-037/06:28:23.0	14	NOTE: Below Uplink Interlock Limit		
17077	M1O	04-037/06:31:12.8		NOTE: Exit Solar Eclipse 9520		04-037/06:19:13.5
17078	M1O	04-037/06:37:56.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-037/06:25:57.0
17079	M1O	04-037/06:37:58.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-037/06:25:59.1
17080	M1O	04-037/06:37:58.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17081	M1O	04-037/06:37:58.4	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		
17082	M1O	04-037/06:37:59.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-037/06:26:00.1
17083	M1O	04-037/06:38:58.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17084	M1O	04-037/06:38:58.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17085	M1O	04-037/06:40:00.0	14	End Tracking		
17086	M1O	04-037/06:43:58.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-037/06:31:59.1
17087	M1O	04-037/06:43:58.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17088	M1O	04-037/06:43:59.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-037/06:32:00.1
17089	M1O	04-037/06:47:19.4		NOTE: Apoapsis 9520 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17108	M1O	04-037/07:15:05.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-037/07:03:06.2
17109	M1O	04-037/07:15:10.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-037/07:03:11.2
17110	M1O	04-037/07:15:50.6		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-037/07:03:51.2
17111	M1O	04-037/07:15:55.6		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-037/07:03:56.2
17112	M1O	04-037/07:16:00.6		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-037/07:04:01.2
17113	M1O	04-037/07:16:05.6		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-037/07:04:06.2
17114	M1O	04-037/07:16:10.6		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-037/07:04:11.2
17115	M1O	04-037/07:16:11.6		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-037/07:04:12.2
17116	M1O	04-037/07:16:12.6		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-037/07:04:13.2
17117	M1O	04-037/07:16:13.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-037/07:04:14.2
17118	M1O	04-037/07:16:24.6		NOTE: End Block fsw_diag.mod		04-037/07:04:25.2
17119	M1O	04-037/07:19:03.9		NOTE: Descending Node Crossing 9521		04-037/07:07:04.5
17120	M1O	04-037/07:47:16.2		NOTE: Periapsis 9521 ----------		04-037/07:35:16.7
17121	M1O	04-037/07:48:21.7		NOTE: South Pole Crossing 9521		04-037/07:36:22.1
17122	M1O	04-037/08:16:18.7		NOTE: Enter Solar Eclipse 9521		04-037/08:04:19.1
17123	M1O	04-037/08:17:42.4		NOTE: Ascending Node Crossing 9521		04-037/08:05:42.8
17124	M1O	04-037/08:29:49.3		NOTE: Exit Solar Eclipse 9521		04-037/08:17:49.6
17125	M1O	04-037/08:45:46.3		NOTE: Apoapsis 9521 -		04-037/08:33:46.6
17126	M1O	04-037/08:47:41.6		NOTE: North Pole Crossing 9521		04-037/08:35:41.9
17127	M1O	04-037/09:17:37.1		NOTE: Descending Node Crossing 9522		04-037/09:05:37.3
17128	M1O	04-037/09:45:00.0	63	Begin Pre-Cal		
17129	M1O	04-037/09:45:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17130	M1O	04-037/09:45:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17131	M1O	04-037/09:45:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17132	M1O	04-037/09:45:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17133	M1O	04-037/09:45:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17134	M1O	04-037/09:45:00.0	63	Config: RCV: Parms:		
17135	M1O	04-037/09:45:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17136	M1O	04-037/09:45:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
17137	M1O	04-037/09:45:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17138	M1O	04-037/09:45:31.2		NOTE: Periapsis 9522 ----------		04-037/09:33:31.3
17139	M1O	04-037/09:46:53.8		NOTE: South Pole Crossing 9522		04-037/09:34:53.9
17140	M1O	04-037/10:14:50.7		NOTE: Enter Solar Eclipse 9522		04-037/10:02:50.7
17141	M1O	04-037/10:16:14.1		NOTE: Ascending Node Crossing 9522		04-037/10:04:14.1
17142	M1O	04-037/10:28:22.2		NOTE: Exit Solar Eclipse 9522		04-037/10:16:22.2
17143	M1O	04-037/10:43:51.2		NOTE: Apoapsis 9522 -		04-037/10:31:51.1
17144	M1O	04-037/10:46:12.6		NOTE: North Pole Crossing 9522		04-037/10:34:12.5
17145	M1O	04-037/11:16:07.1		NOTE: Descending Node Crossing 9523		04-037/11:04:06.9
17146	M1O	04-037/11:28:20.0	43	NOTE: Below Uplink Interlock Limit		
17147	M1O	04-037/11:28:59.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-037/11:16:58.7
17148	M1O	04-037/11:29:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-037/11:17:00.8
17149	M1O	04-037/11:29:01.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17150	M1O	04-037/11:29:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-037/11:17:01.8
17151	M1O	04-037/11:30:00.0	43	End Tracking		
17152	M1O	04-037/11:30:00.0	63	Begin Tracking		
17153	M1O	04-037/11:30:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17154	M1O	04-037/11:35:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-037/11:23:00.8
17155	M1O	04-037/11:35:01.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17156	M1O	04-037/11:35:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-037/11:23:01.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17157	M1O	04-037/11:43:43.0		NOTE: Periapsis 9523 ----------		04-037/11:31:42.7
17158	M1O	04-037/11:45:00.0	43	End Post-Cal		
17159	M1O	04-037/11:45:24.2		NOTE: South Pole Crossing 9523		04-037/11:33:23.9
17160	M1O	04-037/12:13:24.8		NOTE: Enter Solar Eclipse 9523		04-037/12:01:24.4
17161	M1O	04-037/12:14:45.5		NOTE: Ascending Node Crossing 9523		04-037/12:02:45.1
17162	M1O	04-037/12:26:49.5		NOTE: Exit Solar Eclipse 9523		04-037/12:14:49.0
17163	M1O	04-037/12:42:22.4		NOTE: Apoapsis 9523 -		04-037/12:30:21.9
17164	M1O	04-037/12:44:44.2		NOTE: North Pole Crossing 9523		04-037/12:32:43.8
17165	M1O	04-037/13:14:38.8		NOTE: Descending Node Crossing 9524		04-037/13:02:38.2
17166	M1O	04-037/13:42:14.8		NOTE: Periapsis 9524 ----------		04-037/13:30:14.1
17167	M1O	04-037/13:43:56.7		NOTE: South Pole Crossing 9524		04-037/13:31:56.0
17168	M1O	04-037/14:11:59.6		NOTE: Enter Solar Eclipse 9524		04-037/13:59:58.9
17169	M1O	04-037/14:13:18.9		NOTE: Ascending Node Crossing 9524		04-037/14:01:18.2
17170	M1O	04-037/14:25:16.2		NOTE: Exit Solar Eclipse 9524		04-037/14:13:15.4
17171	M1O	04-037/14:41:10.9		NOTE: Apoapsis 9524 -		04-037/14:29:10.1
17172	M1O	04-037/14:43:19.0		NOTE: North Pole Crossing 9524		04-037/14:31:18.1
17173	M1O	04-037/15:13:15.0		NOTE: Descending Node Crossing 9525		04-037/15:01:14.0
17174	M1O	04-037/15:40:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17175	M1O	04-037/15:40:00.0	63	U/L Transfer From DSS-63 to DSS-63: PWR=20.0, BR=125.0		
17176	M1O	04-037/15:41:00.5		NOTE: Periapsis 9525 ----------		04-037/15:28:59.5
17177	M1O	04-037/15:42:32.8		NOTE: South Pole Crossing 9525		04-037/15:30:31.8
17178	M1O	04-037/15:45:00.0	63	Range Modulation On: SUP=3.0dB		
17179	M1O	04-037/15:46:00.0	63	Begin Ranging Acquisition		
17180	M1O	04-037/16:02:59.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-037/15:50:58.2
17181	M1O	04-037/16:03:01.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-037/15:51:00.3
17182	M1O	04-037/16:03:01.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17183	M1O	04-037/16:03:02.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-037/15:51:01.3
17184	M1O	04-037/16:04:02.0	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17185	M1O	04-037/16:09:01.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-037/15:57:00.3
17186	M1O	04-037/16:09:01.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17187	M1O	04-037/16:09:02.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-037/15:57:01.3
17188	M1O	04-037/16:10:34.7		NOTE: Enter Solar Eclipse 9525		04-037/15:58:33.5
17189	M1O	04-037/16:11:54.7		NOTE: Ascending Node Crossing 9525		04-037/15:59:53.5
17190	M1O	04-037/16:23:48.2		NOTE: Exit Solar Eclipse 9525		04-037/16:11:47.0
17191	M1O	04-037/16:39:45.3		NOTE: Apoapsis 9525 -		04-037/16:27:44.1
17192	M1O	04-037/16:41:55.2		NOTE: North Pole Crossing 9525		04-037/16:29:54.0
17193	M1O	04-037/17:11:51.8		NOTE: Descending Node Crossing 9526		04-037/16:59:50.4
17194	M1O	04-037/17:39:34.0		NOTE: Periapsis 9526 ----------		04-037/17:27:32.6
17195	M1O	04-037/17:41:09.6		NOTE: South Pole Crossing 9526		04-037/17:29:08.1
17196	M1O	04-037/18:09:11.4		NOTE: Enter Solar Eclipse 9526		04-037/17:57:09.9
17197	M1O	04-037/18:10:31.3		NOTE: Ascending Node Crossing 9526		04-037/17:58:29.7
17198	M1O	04-037/18:22:24.7		NOTE: Exit Solar Eclipse 9526		04-037/18:10:23.1
17199	M1O	04-037/18:38:00.2		NOTE: Apoapsis 9526 -		04-037/18:25:58.6
17200	M1O	04-037/18:40:31.3		NOTE: North Pole Crossing 9526		04-037/18:28:29.7
17201	M1O	04-037/19:10:27.0		NOTE: Descending Node Crossing 9527		04-037/18:58:25.3
17202	M1O	04-037/19:38:06.2		NOTE: Periapsis 9527 ----------		04-037/19:26:04.4
17203	M1O	04-037/19:39:44.9		NOTE: South Pole Crossing 9527		04-037/19:27:43.1
17204	M1O	04-037/20:07:46.9		NOTE: Enter Solar Eclipse 9527		04-037/19:55:45.0
17205	M1O	04-037/20:09:06.7		NOTE: Ascending Node Crossing 9527		04-037/19:57:04.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17206	M1O	04-037/20:21:03.5		NOTE: Exit Solar Eclipse 9527		04-037/20:09:01.6
17207	M1O	04-037/20:36:22.0		NOTE: Apoapsis 9527 -		04-037/20:24:20.0
17208	M1O	04-037/20:39:05.5		NOTE: North Pole Crossing 9527		04-037/20:27:03.5
17209	M1O	04-037/21:08:59.9		NOTE: Descending Node Crossing 9528		04-037/20:56:57.8
17210	M1O	04-037/21:36:39.7		NOTE: Periapsis 9528 ----------		04-037/21:24:37.6
17211	M1O	04-037/21:38:17.5		NOTE: South Pole Crossing 9528		04-037/21:26:15.3
17212	M1O	04-037/22:00:00.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17213	M1O	04-037/22:06:18.4		NOTE: Enter Solar Eclipse 9528		04-037/21:54:16.2
17214	M1O	04-037/22:07:38.9		NOTE: Ascending Node Crossing 9528		04-037/21:55:36.6
17215	M1O	04-037/22:10:00.0	63	Range Modulation Off		
17216	M1O	04-037/22:15:00.0	63	X-Band Transmitter Off		
17217	M1O	04-037/22:15:00.0	14	Begin Pre-Cal		
17218	M1O	04-037/22:15:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17219	M1O	04-037/22:15:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17220	M1O	04-037/22:15:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17221	M1O	04-037/22:15:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17222	M1O	04-037/22:15:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17223	M1O	04-037/22:15:00.0	14	Config: RCV: Parms:		
17224	M1O	04-037/22:15:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17225	M1O	04-037/22:15:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
17226	M1O	04-037/22:15:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17227	M1O	04-037/22:19:38.5		NOTE: Exit Solar Eclipse 9528		04-037/22:07:36.1
17228	M1O	04-037/22:28:42.0	63	NOTE: Below Uplink Interlock Limit		
17229	M1O	04-037/22:35:05.1		NOTE: Apoapsis 9528 -		04-037/22:23:02.8
17230	M1O	04-037/22:35:55.1	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17231	M1O	04-037/22:37:37.1		NOTE: North Pole Crossing 9528		04-037/22:25:34.8
17232	M1O	04-037/22:38:01.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-037/22:25:59.3
17233	M1O	04-037/22:38:03.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-037/22:26:01.4
17234	M1O	04-037/22:38:03.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17235	M1O	04-037/22:38:04.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-037/22:26:02.4
17236	M1O	04-037/22:39:04.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17237	M1O	04-037/22:44:03.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-037/22:32:01.4
17238	M1O	04-037/22:44:03.8	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17239	M1O	04-037/22:44:04.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-037/22:32:02.4
17240	M1O	04-037/22:45:00.0	14	Begin Tracking		
17241	M1O	04-037/22:45:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17242	M1O	04-037/23:00:00.0	63	End Tracking		
17243	M1O	04-037/23:07:31.1		NOTE: Descending Node Crossing 9529		04-037/22:55:28.7
17244	M1O	04-037/23:15:00.0	63	End Post-Cal		
17245	M1O	04-037/23:20:31.5		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-037/23:08:29.0
17246	M1O	04-037/23:20:31.6		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-037/23:08:29.1
17247	M1O	04-037/23:20:32.6		Forces a desaturation of the reaction wheels.	RW_DESAT	04-037/23:08:30.1
17248	M1O	04-037/23:23:54.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-037/23:11:52.0
17249	M1O	04-037/23:24:10.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-035T23:11:52.100, 2004-037T23:11:52.100	PCKTS_RE_TX_TIME	04-037/23:12:07.8
17250	M1O	04-037/23:24:11.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-035T23:11:52.100, 2004-037T23:11:52.100	PCKTS_RE_TX_TIME	04-037/23:12:08.8
17251	M1O	04-037/23:24:12.3		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	04-037/23:12:09.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 5, 2004-035T23:11:52.100, 2004-037T23:11:52.100		
17252	M1O	04-037/23:24:13.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-035T23:11:52.100, 2004-037T23:11:52.100	PCKTS_RE_TX_TIME	04-037/23:12:10.8
17253	M1O	04-037/23:24:14.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-035T23:11:52.100, 2004-037T23:11:52.100	PCKTS_RE_TX_TIME	04-037/23:12:11.8
17254	M1O	04-037/23:24:15.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-035T23:11:52.100, 2004-037T23:11:52.100	PCKTS_RE_TX_TIME	04-037/23:12:12.8
17255	M1O	04-037/23:24:15.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-037/23:12:12.8
17256	M1O	04-037/23:24:15.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17257	M1O	04-037/23:31:16.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-037/23:19:13.8
17258	M1O	04-037/23:31:16.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17259	M1O	04-037/23:31:17.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-037/23:19:14.8
17260	M1O	04-037/23:31:33.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-037/23:19:30.8
17261	M1O	04-037/23:31:33.3	14	D/L RF Warning: SC antenna change - expect signal level variation		
17262	M1O	04-037/23:31:34.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-037/23:19:31.8
17263	M1O	04-037/23:32:02.6		CALL, Engine = , Parameters = FALSE	park_hga	04-037/23:20:00.1
17264	M1O	04-037/23:32:02.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-037/23:20:00.1
17265	M1O	04-037/23:32:03.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-037/23:20:01.1
17266	M1O	04-037/23:32:04.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-037/23:20:02.1
17267	M1O	04-037/23:32:04.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-037/23:20:02.1
17268	M1O	04-037/23:32:04.6		NOTE: START HGA PARK		
17269	M1O	04-037/23:32:04.6	14	NOTE: Loss Of X-Band Signal		
17270	M1O	04-037/23:32:05.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-037/23:20:03.1
17271	M1O	04-037/23:32:06.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-037/23:20:04.1
17272	M1O	04-037/23:35:05.1		NOTE: Periapsis 9529 ----------		04-037/23:23:02.6
17273	M1O	04-037/23:36:36.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-037/23:24:34.1
17274	M1O	04-037/23:36:47.8		NOTE: South Pole Crossing 9529		04-037/23:24:45.2
17275	M1O	04-037/23:40:06.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-037/23:28:04.1
17276	M1O	04-037/23:40:06.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-037/23:28:04.1
17277	M1O	04-038/00:00:00.0		Light Time: OWLT = 12:02, RTLT = 24:05		
17278	M1O	04-038/00:04:49.5		NOTE: Enter Solar Eclipse 9529		04-037/23:52:46.8
17279	M1O	04-038/00:06:08.8		NOTE: Ascending Node Crossing 9529		04-037/23:54:06.1
17280	M1O	04-038/00:10:06.6		GV: GV_DESAT_ACTIVE = 1		04-037/23:58:04.0
17281	M1O	04-038/00:10:07.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-037/23:58:05.0
17282	M1O	04-038/00:10:07.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-037/23:58:05.0
17283	M1O	04-038/00:18:03.3		NOTE: Exit Solar Eclipse 9529		04-038/00:06:00.6
17284	M1O	04-038/00:20:06.6		GV: GV_DESAT_ACTIVE = 0		04-038/00:08:04.0
17285	M1O	04-038/00:20:07.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-038/00:08:05.0
17286	M1O	04-038/00:20:08.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-038/00:08:06.0
17287	M1O	04-038/00:20:09.6		CALL, Engine = , Parameters =	unpark_hga	04-038/00:08:07.0
17288	M1O	04-038/00:20:09.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-038/00:08:07.0
17289	M1O	04-038/00:20:10.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-038/00:08:08.0
17290	M1O	04-038/00:24:40.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS,	FSW_OBJ_INITIAL	04-038/00:12:38.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/sam_ga_hga_vts.cfg,		
17291	M1O	04-038/00:24:41.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-038/00:12:39.0
17292	M1O	04-038/00:28:06.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-038/00:16:04.0
17293	M1O	04-038/00:28:06.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-038/00:16:04.1
17294	M1O	04-038/00:28:07.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-038/00:16:05.1
17295	M1O	04-038/00:28:08.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-038/00:16:06.1
17296	M1O	04-038/00:28:09.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-038/00:16:07.1
17297	M1O	04-038/00:28:10.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-038/00:16:08.1
17298	M1O	04-038/00:28:20.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-038/00:16:18.1
17299	M1O	04-038/00:28:30.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-038/00:16:28.1
17300	M1O	04-038/00:28:41.7		NOTE: EXIT HGA PARK		
17301	M1O	04-038/00:28:41.7	14	Acquisition Of X-Band Signal		
17302	M1O	04-038/00:28:41.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17303	M1O	04-038/00:33:30.0		NOTE: Apoapsis 9529 -		04-038/00:21:27.3
17304	M1O	04-038/00:33:30.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-038/00:21:28.1
17305	M1O	04-038/00:33:31.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-038/00:21:29.1
17306	M1O	04-038/00:33:31.8	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17307	M1O	04-038/00:33:32.8		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-038/00:21:30.1
17308	M1O	04-038/00:36:08.1		NOTE: North Pole Crossing 9529		04-038/00:24:05.3
17309	M1O	04-038/00:45:00.0	43	Begin Pre-Cal		
17310	M1O	04-038/00:45:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17311	M1O	04-038/00:45:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17312	M1O	04-038/00:45:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17313	M1O	04-038/00:45:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17314	M1O	04-038/00:45:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17315	M1O	04-038/00:45:00.0	43	Config: RCV: Parms:		
17316	M1O	04-038/00:45:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17317	M1O	04-038/00:45:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
17318	M1O	04-038/00:45:00.0	43	Config: TXL		
17319	M1O	04-038/00:45:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
17320	M1O	04-038/00:45:00.0	43	Config: CMD		
17321	M1O	04-038/00:45:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
17322	M1O	04-038/01:06:02.8		NOTE: Descending Node Crossing 9530		04-038/00:54:00.0
17323	M1O	04-038/01:33:15.1		NOTE: Periapsis 9530 ----------		04-038/01:21:12.1
17324	M1O	04-038/01:35:19.7		NOTE: South Pole Crossing 9530		04-038/01:23:16.7
17325	M1O	04-038/02:03:26.6		NOTE: Enter Solar Eclipse 9530		04-038/01:51:23.6
17326	M1O	04-038/02:04:41.6		NOTE: Ascending Node Crossing 9530		04-038/01:52:38.6
17327	M1O	04-038/02:16:27.6		NOTE: Exit Solar Eclipse 9530		04-038/02:04:24.6
17328	M1O	04-038/02:30:00.0	43	Begin Tracking		
17329	M1O	04-038/02:30:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17330	M1O	04-038/02:31:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17331	M1O	04-038/02:31:46.7		NOTE: Apoapsis 9530 -		04-038/02:19:43.6
17332	M1O	04-038/02:34:41.8		NOTE: North Pole Crossing 9530		04-038/02:22:38.7
17333	M1O	04-038/02:36:00.0	43	Range Modulation On: SUP=3.0dB		
17334	M1O	04-038/02:37:00.0	43	Begin Ranging Acquisition		
17335	M1O	04-038/02:54:03.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-038/02:42:00.5
17336	M1O	04-038/02:54:05.8		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-038/02:42:02.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
17337	M1O	04-038/02:54:05.8	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17338	M1O	04-038/02:54:05.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17339	M1O	04-038/02:54:06.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-038/02:42:03.6
17340	M1O	04-038/02:55:06.2	14	Acquire D/L: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17341	M1O	04-038/02:55:06.2	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17342	M1O	04-038/03:00:05.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-038/02:48:02.6
17343	M1O	04-038/03:00:05.8	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		
17344	M1O	04-038/03:00:05.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17345	M1O	04-038/03:00:06.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-038/02:48:03.6
17346	M1O	04-038/03:04:37.1		NOTE: Descending Node Crossing 9531		04-038/02:52:33.9
17347	M1O	04-038/03:31:59.1		NOTE: Periapsis 9531 ----------		04-038/03:19:55.8
17348	M1O	04-038/03:33:55.4		NOTE: South Pole Crossing 9531		04-038/03:21:52.1
17349	M1O	04-038/03:50:00.0	14	End Tracking		
17350	M1O	04-038/04:02:04.0		NOTE: Enter Solar Eclipse 9531		04-038/03:50:00.6
17351	M1O	04-038/04:03:18.3		NOTE: Ascending Node Crossing 9531		04-038/03:51:14.9
17352	M1O	04-038/04:05:00.0	14	End Post-Cal		
17353	M1O	04-038/04:15:01.9		NOTE: Exit Solar Eclipse 9531		04-038/04:02:58.4
17354	M1O	04-038/04:30:39.3		NOTE: Apoapsis 9531 -		04-038/04:18:35.8
17355	M1O	04-038/04:33:17.9		NOTE: North Pole Crossing 9531		04-038/04:21:14.4
17356	M1O	04-038/05:03:13.3		NOTE: Descending Node Crossing 9532		04-038/04:51:09.7
17357	M1O	04-038/05:31:01.5		NOTE: Periapsis 9532 ----------		04-038/05:18:57.8
17358	M1O	04-038/05:32:32.3		NOTE: South Pole Crossing 9532		04-038/05:20:28.6
17359	M1O	04-038/06:00:38.4		NOTE: Enter Solar Eclipse 9532		04-038/05:48:34.6
17360	M1O	04-038/06:01:55.0		NOTE: Ascending Node Crossing 9532		04-038/05:49:51.2
17361	M1O	04-038/06:13:39.7		NOTE: Exit Solar Eclipse 9532		04-038/06:01:35.9
17362	M1O	04-038/06:29:48.0		NOTE: Apoapsis 9532 -		04-038/06:17:44.1
17363	M1O	04-038/06:31:54.3		NOTE: North Pole Crossing 9532		04-038/06:19:50.4
17364	M1O	04-038/06:59:59.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
17365	M1O	04-038/07:01:49.9		NOTE: Descending Node Crossing 9533		04-038/06:49:45.9
17366	M1O	04-038/07:09:59.0	43	Range Modulation Off		
17367	M1O	04-038/07:12:04.0		SPAWN, Engine = 65535, Parameters =	scdiag	04-038/07:00:00.0
17368	M1O	04-038/07:12:05.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-038/07:00:01.1
17369	M1O	04-038/07:12:06.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-038/07:00:02.1
17370	M1O	04-038/07:13:07.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-038/07:01:03.0
17371	M1O	04-038/07:13:07.2		NOTE: Start Block fsw_diag		04-038/07:01:03.2
17372	M1O	04-038/07:13:08.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-038/07:01:04.2
17373	M1O	04-038/07:13:09.2		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	04-038/07:01:05.2
17374	M1O	04-038/07:13:20.2		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	04-038/07:01:16.2
17375	M1O	04-038/07:13:50.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-038/07:01:46.2
17376	M1O	04-038/07:14:10.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-038/07:02:06.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17377	M1O	04-038/07:14:20.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-038/07:02:16.2
17378	M1O	04-038/07:14:40.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-038/07:02:36.2
17379	M1O	04-038/07:14:50.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-038/07:02:46.2
17380	M1O	04-038/07:14:55.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-038/07:02:51.2
17381	M1O	04-038/07:14:59.0	43	X-Band Transmitter Off		
17382	M1O	04-038/07:15:00.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-038/07:02:56.2
17383	M1O	04-038/07:15:05.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-038/07:03:01.2
17384	M1O	04-038/07:15:10.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-038/07:03:06.2
17385	M1O	04-038/07:15:15.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-038/07:03:11.2
17386	M1O	04-038/07:15:55.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-038/07:03:51.2
17387	M1O	04-038/07:16:00.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-038/07:03:56.2
17388	M1O	04-038/07:16:05.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-038/07:04:01.2
17389	M1O	04-038/07:16:10.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-038/07:04:06.2
17390	M1O	04-038/07:16:15.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-038/07:04:11.2
17391	M1O	04-038/07:16:16.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-038/07:04:12.2
17392	M1O	04-038/07:16:17.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-038/07:04:13.2
17393	M1O	04-038/07:16:18.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-038/07:04:14.2
17394	M1O	04-038/07:16:29.2		NOTE: End Block fsw_diag.mod		04-038/07:04:25.2
17395	M1O	04-038/07:29:56.8		NOTE: Periapsis 9533 ----------		04-038/07:17:52.8
17396	M1O	04-038/07:31:08.4		NOTE: South Pole Crossing 9533		04-038/07:19:04.3
17397	M1O	04-038/07:38:04.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-038/07:26:00.6
17398	M1O	04-038/07:38:06.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-038/07:26:02.7
17399	M1O	04-038/07:38:06.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17400	M1O	04-038/07:38:07.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-038/07:26:03.7
17401	M1O	04-038/07:39:07.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17402	M1O	04-038/07:44:06.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-038/07:32:02.7
17403	M1O	04-038/07:44:06.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17404	M1O	04-038/07:44:07.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-038/07:32:03.7
17405	M1O	04-038/07:59:10.2		NOTE: Enter Solar Eclipse 9533		04-038/07:47:06.0
17406	M1O	04-038/08:00:30.1		NOTE: Ascending Node Crossing 9533		04-038/07:48:25.9
17407	M1O	04-038/08:12:17.4		NOTE: Exit Solar Eclipse 9533		04-038/08:00:13.2
17408	M1O	04-038/08:28:31.5		NOTE: Apoapsis 9533 -		04-038/08:16:27.2
17409	M1O	04-038/08:30:29.2		NOTE: North Pole Crossing 9533		04-038/08:18:24.9
17410	M1O	04-038/09:00:24.6		NOTE: Descending Node Crossing 9534		04-038/08:48:20.3
17411	M1O	04-038/09:28:23.6		NOTE: Periapsis 9534 ----------		04-038/09:16:19.1
17412	M1O	04-038/09:29:41.9		NOTE: South Pole Crossing 9534		04-038/09:17:37.4
17413	M1O	04-038/09:30:00.0	63	Begin Pre-Cal		
17414	M1O	04-038/09:30:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17415	M1O	04-038/09:30:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17416	M1O	04-038/09:30:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17417	M1O	04-038/09:30:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17418	M1O	04-038/09:30:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17419	M1O	04-038/09:30:00.0	63	Config: RCV: Parms:		
17420	M1O	04-038/09:30:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17421	M1O	04-038/09:30:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
17422	M1O	04-038/09:30:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17423	M1O	04-038/09:57:41.4		NOTE: Enter Solar Eclipse 9534		04-038/09:45:36.8
17424	M1O	04-038/09:59:02.6		NOTE: Ascending Node Crossing 9534		04-038/09:46:58.1
17425	M1O	04-038/10:05:00.0	55	Begin Pre-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17426	M1O	04-038/10:05:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17427	M1O	04-038/10:05:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17428	M1O	04-038/10:05:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17429	M1O	04-038/10:05:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17430	M1O	04-038/10:05:00.0	55	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17431	M1O	04-038/10:05:00.0	55	Config: RCV: Parms:		
17432	M1O	04-038/10:05:00.0	55	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17433	M1O	04-038/10:05:00.0	55	Config: TGC: BAND=X, SR=221200.000000		
17434	M1O	04-038/10:05:00.0	55	Config: TXL		
17435	M1O	04-038/10:05:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
17436	M1O	04-038/10:05:00.0	55	Config: CMD		
17437	M1O	04-038/10:05:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
17438	M1O	04-038/10:10:52.1		NOTE: Exit Solar Eclipse 9534		04-038/09:58:47.5
17439	M1O	04-038/10:26:42.6		NOTE: Apoapsis 9534 -		04-038/10:14:38.0
17440	M1O	04-038/10:29:01.4		NOTE: North Pole Crossing 9534		04-038/10:16:56.8
17441	M1O	04-038/10:58:56.1		NOTE: Descending Node Crossing 9535		04-038/10:46:51.3
17442	M1O	04-038/11:15:00.0	63	Begin Tracking		
17443	M1O	04-038/11:15:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17444	M1O	04-038/11:18:55.0	63	NOTE: Above Uplink Interlock Limit		
17445	M1O	04-038/11:26:02.0	43	NOTE: Below Uplink Interlock Limit		
17446	M1O	04-038/11:26:34.3		NOTE: Periapsis 9535 ----------		04-038/11:14:29.4
17447	M1O	04-038/11:28:13.0		NOTE: South Pole Crossing 9535		04-038/11:16:08.1
17448	M1O	04-038/11:30:00.0	43	End Tracking		
17449	M1O	04-038/11:35:00.0	55	Begin Tracking		
17450	M1O	04-038/11:35:00.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17451	M1O	04-038/11:36:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17452	M1O	04-038/11:41:00.0	55	Range Modulation On: SUP=3.0dB		
17453	M1O	04-038/11:42:00.0	55	Begin Ranging Acquisition		
17454	M1O	04-038/11:45:00.0	43	End Post-Cal		
17455	M1O	04-038/11:56:14.6		NOTE: Enter Solar Eclipse 9535		04-038/11:44:09.7
17456	M1O	04-038/11:57:34.0		NOTE: Ascending Node Crossing 9535		04-038/11:45:29.1
17457	M1O	04-038/11:59:05.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-038/11:47:00.5
17458	M1O	04-038/11:59:07.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-038/11:47:02.6
17459	M1O	04-038/11:59:07.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17460	M1O	04-038/11:59:07.5	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17461	M1O	04-038/11:59:08.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-038/11:47:03.6
17462	M1O	04-038/12:00:09.7	63	Acquire D/L: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17463	M1O	04-038/12:00:09.7	55	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17464	M1O	04-038/12:05:07.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-038/11:53:02.6
17465	M1O	04-038/12:05:07.5	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		
17466	M1O	04-038/12:05:07.5	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17467	M1O	04-038/12:05:08.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-038/11:53:03.6
17468	M1O	04-038/12:09:22.2		NOTE: Exit Solar Eclipse 9535		04-038/11:57:17.3
17469	M1O	04-038/12:25:03.8		NOTE: Apoapsis 9535 -		04-038/12:12:58.8
17470	M1O	04-038/12:27:32.4		NOTE: North Pole Crossing 9535		04-038/12:15:27.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17471	M1O	04-038/12:57:26.5		NOTE: Descending Node Crossing 9536		04-038/12:45:21.4
17472	M1O	04-038/13:24:58.1		NOTE: Periapsis 9536 ----------		04-038/13:12:52.9
17473	M1O	04-038/13:26:44.2		NOTE: South Pole Crossing 9536		04-038/13:14:39.0
17474	M1O	04-038/13:54:49.0		NOTE: Enter Solar Eclipse 9536		04-038/13:42:43.7
17475	M1O	04-038/13:56:06.3		NOTE: Ascending Node Crossing 9536		04-038/13:44:01.0
17476	M1O	04-038/14:07:47.7		NOTE: Exit Solar Eclipse 9536		04-038/13:55:42.4
17477	M1O	04-038/14:23:54.3		NOTE: Apoapsis 9536 -		04-038/14:11:48.9
17478	M1O	04-038/14:26:05.8		NOTE: North Pole Crossing 9536		04-038/14:14:00.4
17479	M1O	04-038/14:56:01.3		NOTE: Descending Node Crossing 9537		04-038/14:43:55.8
17480	M1O	04-038/15:23:44.6		NOTE: Periapsis 9537 ----------		04-038/15:11:39.0
17481	M1O	04-038/15:25:19.2		NOTE: South Pole Crossing 9537		04-038/15:13:13.6
17482	M1O	04-038/15:53:23.5		NOTE: Enter Solar Eclipse 9537		04-038/15:41:17.9
17483	M1O	04-038/15:54:41.3		NOTE: Ascending Node Crossing 9537		04-038/15:42:35.6
17484	M1O	04-038/16:05:48.4	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17485	M1O	04-038/16:06:17.1		NOTE: Exit Solar Eclipse 9537		04-038/15:54:11.4
17486	M1O	04-038/16:10:00.0	55	Range Modulation Off		
17487	M1O	04-038/16:15:00.0	63	U/L Transfer From DSS-55 to DSS-63: PWR=20.0, BR=125.0		
17488	M1O	04-038/16:20:00.0	63	Range Modulation On: SUP=3.0dB		
17489	M1O	04-038/16:21:00.0	63	Begin Ranging Acquisition		
17490	M1O	04-038/16:22:36.1		NOTE: Apoapsis 9537 -		04-038/16:10:30.4
17491	M1O	04-038/16:24:41.8		NOTE: North Pole Crossing 9537		04-038/16:12:36.0
17492	M1O	04-038/16:30:00.0	55	End Tracking		
17493	M1O	04-038/16:30:00.0	55	End Post-Cal		
17494	M1O	04-038/16:39:11.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17495	M1O	04-038/16:54:38.3		NOTE: Descending Node Crossing 9538		04-038/16:42:32.4
17496	M1O	04-038/17:22:24.5		NOTE: Periapsis 9538 ----------		04-038/17:10:18.6
17497	M1O	04-038/17:23:56.1		NOTE: South Pole Crossing 9538		04-038/17:11:50.1
17498	M1O	04-038/17:51:59.6		NOTE: Enter Solar Eclipse 9538		04-038/17:39:53.6
17499	M1O	04-038/17:53:17.8		NOTE: Ascending Node Crossing 9538		04-038/17:41:11.7
17500	M1O	04-038/18:04:51.8		NOTE: Exit Solar Eclipse 9538		04-038/17:52:45.7
17501	M1O	04-038/18:20:58.7		NOTE: Apoapsis 9538 -		04-038/18:08:52.6
17502	M1O	04-038/18:23:18.2		NOTE: North Pole Crossing 9538		04-038/18:11:12.1
17503	M1O	04-038/18:53:14.5		NOTE: Descending Node Crossing 9539		04-038/18:41:08.3
17504	M1O	04-038/19:20:54.4		NOTE: Periapsis 9539 ----------		04-038/19:08:48.1
17505	M1O	04-038/19:22:32.5		NOTE: South Pole Crossing 9539		04-038/19:10:26.1
17506	M1O	04-038/19:50:36.6		NOTE: Enter Solar Eclipse 9539		04-038/19:38:30.2
17507	M1O	04-038/19:51:54.2		NOTE: Ascending Node Crossing 9539		04-038/19:39:47.8
17508	M1O	04-038/20:03:30.4		NOTE: Exit Solar Eclipse 9539		04-038/19:51:23.9
17509	M1O	04-038/20:19:11.1		NOTE: Apoapsis 9539 -		04-038/20:07:04.6
17510	M1O	04-038/20:21:53.6		NOTE: North Pole Crossing 9539		04-038/20:09:47.1
17511	M1O	04-038/20:51:48.6		NOTE: Descending Node Crossing 9540		04-038/20:39:42.0
17512	M1O	04-038/21:19:27.1		NOTE: Periapsis 9540 ----------		04-038/21:07:20.4
17513	M1O	04-038/21:21:06.5		NOTE: South Pole Crossing 9540		04-038/21:08:59.8
17514	M1O	04-038/21:49:10.2		NOTE: Enter Solar Eclipse 9540		04-038/21:37:03.4
17515	M1O	04-038/21:50:28.2		NOTE: Ascending Node Crossing 9540		04-038/21:38:21.4
17516	M1O	04-038/22:00:00.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17517	M1O	04-038/22:02:08.3		NOTE: Exit Solar Eclipse 9540		04-038/21:50:01.4
17518	M1O	04-038/22:10:00.0	63	Range Modulation Off		
17519	M1O	04-038/22:15:00.0	63	X-Band Transmitter Off		
17520	M1O	04-038/22:15:00.0	14	Begin Pre-Cal		
17521	M1O	04-038/22:15:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17522	M1O	04-038/22:15:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17523	M1O	04-038/22:15:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17524	M1O	04-038/22:15:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17525	M1O	04-038/22:15:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17526	M1O	04-038/22:15:00.0	14	Config: RCV: Parms:		
17527	M1O	04-038/22:15:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17528	M1O	04-038/22:15:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
17529	M1O	04-038/22:15:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17530	M1O	04-038/22:17:47.4		NOTE: Apoapsis 9540 -		04-038/22:05:40.5
17531	M1O	04-038/22:20:26.5		NOTE: North Pole Crossing 9540		04-038/22:08:19.6
17532	M1O	04-038/22:26:03.0	63	NOTE: Below Uplink Interlock Limit		
17533	M1O	04-038/22:35:45.9	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17534	M1O	04-038/22:38:10.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-038/22:26:03.9
17535	M1O	04-038/22:38:13.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-038/22:26:06.0
17536	M1O	04-038/22:38:13.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17537	M1O	04-038/22:38:14.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-038/22:26:07.0
17538	M1O	04-038/22:39:13.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17539	M1O	04-038/22:44:13.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-038/22:32:06.0
17540	M1O	04-038/22:44:13.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17541	M1O	04-038/22:44:14.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-038/22:32:07.0
17542	M1O	04-038/22:45:00.0	14	Begin Tracking		
17543	M1O	04-038/22:45:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17544	M1O	04-038/22:50:20.5		NOTE: Descending Node Crossing 9541		04-038/22:38:13.5
17545	M1O	04-038/23:00:00.0	63	End Tracking		
17546	M1O	04-038/23:03:21.0		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-038/22:51:14.0
17547	M1O	04-038/23:03:21.1		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-038/22:51:14.1
17548	M1O	04-038/23:03:22.1		Forces a desaturation of the reaction wheels.	RW_DESAT	04-038/22:51:15.1
17549	M1O	04-038/23:06:44.0		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-038/22:54:37.0
17550	M1O	04-038/23:06:59.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-036T22:54:37.100, 2004-038T22:54:37.100	PCKTS_RE_TX_TIME	04-038/22:54:52.8
17551	M1O	04-038/23:07:00.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-036T22:54:37.100, 2004-038T22:54:37.100	PCKTS_RE_TX_TIME	04-038/22:54:53.8
17552	M1O	04-038/23:07:01.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-036T22:54:37.100, 2004-038T22:54:37.100	PCKTS_RE_TX_TIME	04-038/22:54:54.8
17553	M1O	04-038/23:07:02.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-036T22:54:37.100, 2004-038T22:54:37.100	PCKTS_RE_TX_TIME	04-038/22:54:55.8
17554	M1O	04-038/23:07:03.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-036T22:54:37.100, 2004-038T22:54:37.100	PCKTS_RE_TX_TIME	04-038/22:54:56.8
17555	M1O	04-038/23:07:04.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-036T22:54:37.100, 2004-038T22:54:37.100	PCKTS_RE_TX_TIME	04-038/22:54:57.8
17556	M1O	04-038/23:07:04.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-038/22:54:57.8
17557	M1O	04-038/23:07:04.8	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17558	M1O	04-038/23:14:05.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-038/23:01:58.8
17559	M1O	04-038/23:14:05.8	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17560	M1O	04-038/23:14:06.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-038/23:01:59.8
17561	M1O	04-038/23:14:22.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-038/23:02:15.8
17562	M1O	04-038/23:14:22.8	14	D/L RF Warning: SC antenna change - expect signal level variation		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17563	M1O	04-038/23:14:23.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-038/23:02:16.8
17564	M1O	04-038/23:14:52.1		CALL, Engine = , Parameters = FALSE	park_hga	04-038/23:02:45.1
17565	M1O	04-038/23:14:52.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-038/23:02:45.1
17566	M1O	04-038/23:14:53.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-038/23:02:46.1
17567	M1O	04-038/23:14:54.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-038/23:02:47.1
17568	M1O	04-038/23:14:54.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-038/23:02:47.1
17569	M1O	04-038/23:14:54.1		NOTE: START HGA PARK		
17570	M1O	04-038/23:14:54.1	14	NOTE: Loss Of X-Band Signal		
17571	M1O	04-038/23:14:55.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-038/23:02:48.1
17572	M1O	04-038/23:14:56.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-038/23:02:49.1
17573	M1O	04-038/23:15:00.0	63	End Post-Cal		
17574	M1O	04-038/23:17:59.8		NOTE: Periapsis 9541 ----------		04-038/23:05:52.8
17575	M1O	04-038/23:19:26.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-038/23:07:19.1
17576	M1O	04-038/23:19:37.7		NOTE: South Pole Crossing 9541		04-038/23:07:30.6
17577	M1O	04-038/23:22:56.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-038/23:10:49.1
17578	M1O	04-038/23:22:56.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-038/23:10:49.1
17579	M1O	04-038/23:47:40.4		NOTE: Enter Solar Eclipse 9541		04-038/23:35:33.2
17580	M1O	04-038/23:48:58.9		NOTE: Ascending Node Crossing 9541		04-038/23:36:51.7
17581	M1O	04-038/23:52:56.2		GV: GV_DESAT_ACTIVE = 1		04-038/23:40:49.0
17582	M1O	04-038/23:52:57.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-038/23:40:50.0
17583	M1O	04-038/23:52:57.2		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-038/23:40:50.0
17584	M1O	04-039/00:00:00.0		Light Time: OWLT = 12:07, RTLT = 24:14		
17585	M1O	04-039/00:00:38.4		NOTE: Exit Solar Eclipse 9541		04-038/23:48:31.2
17586	M1O	04-039/00:02:56.2		GV: GV_DESAT_ACTIVE = 0		04-038/23:50:49.0
17587	M1O	04-039/00:02:57.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-038/23:50:50.0
17588	M1O	04-039/00:02:58.2		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-038/23:50:51.0
17589	M1O	04-039/00:02:59.2		CALL, Engine = , Parameters =	unpark_hga	04-038/23:50:52.0
17590	M1O	04-039/00:02:59.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-038/23:50:52.0
17591	M1O	04-039/00:03:00.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-038/23:50:53.0
17592	M1O	04-039/00:07:30.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-038/23:55:23.0
17593	M1O	04-039/00:07:31.2		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-038/23:55:24.0
17594	M1O	04-039/00:10:55.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-038/23:58:47.8
17595	M1O	04-039/00:10:55.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-038/23:58:47.9
17596	M1O	04-039/00:10:56.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-038/23:58:48.9
17597	M1O	04-039/00:10:57.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-038/23:58:49.9
17598	M1O	04-039/00:10:58.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-038/23:58:50.9
17599	M1O	04-039/00:10:59.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-038/23:58:51.9
17600	M1O	04-039/00:11:09.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-038/23:59:01.9
17601	M1O	04-039/00:11:19.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-038/23:59:11.9
17602	M1O	04-039/00:11:31.2		NOTE: EXIT HGA PARK		
17603	M1O	04-039/00:11:31.2	14	Acquisition Of X-Band Signal		
17604	M1O	04-039/00:11:31.2	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		
17605	M1O	04-039/00:15:00.0	26	Begin Pre-Cal		
17606	M1O	04-039/00:15:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17607	M1O	04-039/00:15:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17608	M1O	04-039/00:15:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17609	M1O	04-039/00:15:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17610	M1O	04-039/00:15:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17611	M1O	04-039/00:15:00.0	26	Config: RCV: Parms:		
17612	M1O	04-039/00:15:00.0	26	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17613	M1O	04-039/00:15:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
17614	M1O	04-039/00:15:00.0	26	Config: TXL		
17615	M1O	04-039/00:15:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
17616	M1O	04-039/00:15:00.0	26	Config: CMD		
17617	M1O	04-039/00:15:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
17618	M1O	04-039/00:16:19.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-039/00:04:11.9
17619	M1O	04-039/00:16:20.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-039/00:04:12.9
17620	M1O	04-039/00:16:20.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17621	M1O	04-039/00:16:21.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-039/00:04:13.9
17622	M1O	04-039/00:16:23.8		NOTE: Apoapsis 9541 -		04-039/00:04:16.5
17623	M1O	04-039/00:18:57.4		NOTE: North Pole Crossing 9541		04-039/00:06:50.2
17624	M1O	04-039/00:48:51.7		NOTE: Descending Node Crossing 9542		04-039/00:36:44.3
17625	M1O	04-039/01:00:00.0	26	Begin Tracking		
17626	M1O	04-039/01:00:00.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17627	M1O	04-039/01:01:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17628	M1O	04-039/01:06:00.0	26	Range Modulation On: SUP=3.0dB		
17629	M1O	04-039/01:07:00.0	26	Begin Ranging Acquisition		
17630	M1O	04-039/01:16:13.2		NOTE: Periapsis 9542 ----------		04-039/01:04:05.7
17631	M1O	04-039/01:18:08.4		NOTE: South Pole Crossing 9542		04-039/01:06:01.0
17632	M1O	04-039/01:24:12.6		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-039/01:12:05.1
17633	M1O	04-039/01:24:14.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-039/01:12:07.2
17634	M1O	04-039/01:24:14.7	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17635	M1O	04-039/01:24:14.7	26	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17636	M1O	04-039/01:24:15.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-039/01:12:08.2
17637	M1O	04-039/01:25:14.8	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		
17638	M1O	04-039/01:25:14.8	26	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17639	M1O	04-039/01:30:14.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-039/01:18:07.2
17640	M1O	04-039/01:30:14.7	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		
17641	M1O	04-039/01:30:14.7	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17642	M1O	04-039/01:30:15.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-039/01:18:08.2
17643	M1O	04-039/01:46:14.9		NOTE: Enter Solar Eclipse 9542		04-039/01:34:07.4
17644	M1O	04-039/01:47:30.0		NOTE: Ascending Node Crossing 9542		04-039/01:35:22.4
17645	M1O	04-039/01:59:01.6		NOTE: Exit Solar Eclipse 9542		04-039/01:46:54.0
17646	M1O	04-039/02:14:41.7		NOTE: Apoapsis 9542 -		04-039/02:02:34.0
17647	M1O	04-039/02:17:29.8		NOTE: North Pole Crossing 9542		04-039/02:05:22.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17648	M1O	04-039/02:47:24.8		NOTE: Descending Node Crossing 9543		04-039/02:35:17.0
17649	M1O	04-039/03:14:41.7		NOTE: Periapsis 9543 ----------		04-039/03:02:33.9
17650	M1O	04-039/03:16:42.8		NOTE: South Pole Crossing 9543		04-039/03:04:34.9
17651	M1O	04-039/03:44:53.3		NOTE: Enter Solar Eclipse 9543		04-039/03:32:45.3
17652	M1O	04-039/03:46:05.6		NOTE: Ascending Node Crossing 9543		04-039/03:33:57.6
17653	M1O	04-039/03:57:31.9		NOTE: Exit Solar Eclipse 9543		04-039/03:45:23.9
17654	M1O	04-039/04:13:18.7		NOTE: Apoapsis 9543 -		04-039/04:01:10.6
17655	M1O	04-039/04:15:00.0	43	Begin Pre-Cal		
17656	M1O	04-039/04:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17657	M1O	04-039/04:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17658	M1O	04-039/04:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17659	M1O	04-039/04:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17660	M1O	04-039/04:15:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17661	M1O	04-039/04:15:00.0	43	Config: RCV: Parms:		
17662	M1O	04-039/04:15:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17663	M1O	04-039/04:15:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
17664	M1O	04-039/04:15:00.0	43	Config: TXL		
17665	M1O	04-039/04:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
17666	M1O	04-039/04:15:00.0	43	Config: CMD		
17667	M1O	04-039/04:15:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
17668	M1O	04-039/04:16:05.2		NOTE: North Pole Crossing 9543		04-039/04:03:57.1
17669	M1O	04-039/04:46:00.3		NOTE: Descending Node Crossing 9544		04-039/04:33:52.2
17670	M1O	04-039/05:13:40.0		NOTE: Periapsis 9544 ----------		04-039/05:01:31.8
17671	M1O	04-039/05:15:19.5		NOTE: South Pole Crossing 9544		04-039/05:03:11.3
17672	M1O	04-039/05:40:43.2	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17673	M1O	04-039/05:43:29.0		NOTE: Enter Solar Eclipse 9544		04-039/05:31:20.7
17674	M1O	04-039/05:44:42.6		NOTE: Ascending Node Crossing 9544		04-039/05:32:34.3
17675	M1O	04-039/05:45:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
17676	M1O	04-039/05:55:00.0	26	Range Modulation Off		
17677	M1O	04-039/05:56:08.8		NOTE: Exit Solar Eclipse 9544		04-039/05:44:00.5
17678	M1O	04-039/06:00:00.0	43	Begin Tracking		
17679	M1O	04-039/06:00:00.0	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		
17680	M1O	04-039/06:00:00.0	26	X-Band Transmitter Off		
17681	M1O	04-039/06:01:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17682	M1O	04-039/06:05:00.0	26	End Tracking		
17683	M1O	04-039/06:06:00.0	43	Range Modulation On: SUP=3.0dB		
17684	M1O	04-039/06:07:00.0	43	Begin Ranging Acquisition		
17685	M1O	04-039/06:12:25.8		NOTE: Apoapsis 9544 -		04-039/06:00:17.4
17686	M1O	04-039/06:14:41.6		NOTE: North Pole Crossing 9544		04-039/06:02:33.2
17687	M1O	04-039/06:20:00.0	26	End Post-Cal		
17688	M1O	04-039/06:23:14.7		SPAWN, Engine = 65535, Parameters = 3, 00:07:00, 1	dpt	04-039/06:11:06.2
17689	M1O	04-039/06:23:16.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-039/06:11:08.3
17690	M1O	04-039/06:23:16.8	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		
17691	M1O	04-039/06:23:16.8	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		
17692	M1O	04-039/06:23:17.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-039/06:11:09.3
17693	M1O	04-039/06:24:16.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17694	M1O	04-039/06:24:16.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17695	M1O	04-039/06:25:16.7	14	Acquire D/L: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17696	M1O	04-039/06:25:16.7	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17697	M1O	04-039/06:26:40.0	14	NOTE: Below Uplink Interlock Limit		
17698	M1O	04-039/06:30:16.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-039/06:18:08.3
17699	M1O	04-039/06:30:16.8	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		
17700	M1O	04-039/06:30:16.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17701	M1O	04-039/06:30:17.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-039/06:18:09.3
17702	M1O	04-039/06:35:00.0	14	End Tracking		
17703	M1O	04-039/06:35:00.0	14	End Post-Cal		
17704	M1O	04-039/06:44:36.9		NOTE: Descending Node Crossing 9545		04-039/06:32:28.4
17705	M1O	04-039/07:12:08.6		SPAWN, Engine = 65535, Parameters =	scdiag	04-039/07:00:00.0
17706	M1O	04-039/07:12:09.7		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-039/07:00:01.1
17707	M1O	04-039/07:12:10.7		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-039/07:00:02.1
17708	M1O	04-039/07:12:41.4		NOTE: Periapsis 9545 ----------		04-039/07:00:32.8
17709	M1O	04-039/07:13:11.6		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-039/07:01:03.0
17710	M1O	04-039/07:13:11.8		NOTE: Start Block fsw_diag		04-039/07:01:03.2
17711	M1O	04-039/07:13:12.8		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-039/07:01:04.2
17712	M1O	04-039/07:13:13.8		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	04-039/07:01:05.2
17713	M1O	04-039/07:13:24.8		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	04-039/07:01:16.2
17714	M1O	04-039/07:13:54.8		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-039/07:01:46.2
17715	M1O	04-039/07:13:56.1		NOTE: South Pole Crossing 9545		04-039/07:01:47.5
17716	M1O	04-039/07:14:14.8		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-039/07:02:06.2
17717	M1O	04-039/07:14:24.8		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-039/07:02:16.2
17718	M1O	04-039/07:14:44.8		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-039/07:02:36.2
17719	M1O	04-039/07:14:54.8		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-039/07:02:46.2
17720	M1O	04-039/07:14:59.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-039/07:02:51.2
17721	M1O	04-039/07:15:04.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-039/07:02:56.2
17722	M1O	04-039/07:15:09.8		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-039/07:03:01.2
17723	M1O	04-039/07:15:14.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-039/07:03:06.2
17724	M1O	04-039/07:15:19.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-039/07:03:11.2
17725	M1O	04-039/07:15:59.8		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-039/07:03:51.2
17726	M1O	04-039/07:16:04.8		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-039/07:03:56.2
17727	M1O	04-039/07:16:09.8		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-039/07:04:01.2
17728	M1O	04-039/07:16:14.8		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-039/07:04:06.2
17729	M1O	04-039/07:16:19.8		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-039/07:04:11.2
17730	M1O	04-039/07:16:20.8		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-039/07:04:12.2
17731	M1O	04-039/07:16:21.8		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-039/07:04:13.2
17732	M1O	04-039/07:16:22.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-039/07:04:14.2
17733	M1O	04-039/07:16:33.8		NOTE: End Block fsw_diag.mod		04-039/07:04:25.2
17734	M1O	04-039/07:42:01.8		NOTE: Enter Solar Eclipse 9545		04-039/07:29:53.1
17735	M1O	04-039/07:43:18.6		NOTE: Ascending Node Crossing 9545		04-039/07:31:09.8
17736	M1O	04-039/07:44:59.0	43	NOTE: X-Band Transmitter Off in 15 minutes		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17737	M1O	04-039/07:54:46.8		NOTE: Exit Solar Eclipse 9545		04-039/07:42:38.1
17738	M1O	04-039/07:54:59.0	43	Range Modulation Off		
17739	M1O	04-039/07:59:59.0	43	X-Band Transmitter Off		
17740	M1O	04-039/08:11:26.1		NOTE: Apoapsis 9545 -		04-039/07:59:17.3
17741	M1O	04-039/08:13:17.5		NOTE: North Pole Crossing 9545		04-039/08:01:08.7
17742	M1O	04-039/08:23:14.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-039/08:11:05.2
17743	M1O	04-039/08:23:16.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-039/08:11:07.3
17744	M1O	04-039/08:23:16.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17745	M1O	04-039/08:23:17.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-039/08:11:08.3
17746	M1O	04-039/08:24:16.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17747	M1O	04-039/08:29:16.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-039/08:17:07.3
17748	M1O	04-039/08:29:16.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17749	M1O	04-039/08:29:17.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-039/08:17:08.3
17750	M1O	04-039/08:43:12.9		NOTE: Descending Node Crossing 9546		04-039/08:31:04.0
17751	M1O	04-039/09:11:23.9		NOTE: Periapsis 9546 ----------		04-039/08:59:14.9
17752	M1O	04-039/09:12:31.1		NOTE: South Pole Crossing 9546		04-039/09:00:22.1
17753	M1O	04-039/09:30:00.0	63	Begin Pre-Cal		
17754	M1O	04-039/09:30:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17755	M1O	04-039/09:30:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17756	M1O	04-039/09:30:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17757	M1O	04-039/09:30:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17758	M1O	04-039/09:30:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17759	M1O	04-039/09:30:00.0	63	Config: RCV: Parms:		
17760	M1O	04-039/09:30:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17761	M1O	04-039/09:30:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
17762	M1O	04-039/09:30:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17763	M1O	04-039/09:40:32.3		NOTE: Enter Solar Eclipse 9546		04-039/09:28:23.3
17764	M1O	04-039/09:41:52.2		NOTE: Ascending Node Crossing 9546		04-039/09:29:43.1
17765	M1O	04-039/09:53:23.4		NOTE: Exit Solar Eclipse 9546		04-039/09:41:14.2
17766	M1O	04-039/10:09:51.3		NOTE: Apoapsis 9546 -		04-039/09:57:42.2
17767	M1O	04-039/10:11:51.0		NOTE: North Pole Crossing 9546		04-039/09:59:41.8
17768	M1O	04-039/10:30:00.0	55	Begin Pre-Cal		
17769	M1O	04-039/10:30:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17770	M1O	04-039/10:30:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17771	M1O	04-039/10:30:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17772	M1O	04-039/10:30:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17773	M1O	04-039/10:30:00.0	55	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17774	M1O	04-039/10:30:00.0	55	Config: RCV: Parms:		
17775	M1O	04-039/10:30:00.0	55	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17776	M1O	04-039/10:30:00.0	55	Config: TGC: BAND=X, SR=221200.000000		
17777	M1O	04-039/10:30:00.0	55	Config: TXL		
17778	M1O	04-039/10:30:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
17779	M1O	04-039/10:30:00.0	55	Config: CMD		
17780	M1O	04-039/10:30:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
17781	M1O	04-039/10:41:46.0		NOTE: Descending Node Crossing 9547		04-039/10:29:36.7
17782	M1O	04-039/11:09:37.8		NOTE: Periapsis 9547 ----------		04-039/10:57:28.4
17783	M1O	04-039/11:11:03.1		NOTE: South Pole Crossing 9547		04-039/10:58:53.7
17784	M1O	04-039/11:15:00.0	63	Begin Tracking		
17785	M1O	04-039/11:15:00.0	55	Begin Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17786	M1O	04-039/11:15:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17787	M1O	04-039/11:15:00.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17788	M1O	04-039/11:16:39.0	63	NOTE: Above Uplink Interlock Limit		
17789	M1O	04-039/11:16:40.0	55	NOTE: Above Uplink Interlock Limit		
17790	M1O	04-039/11:20:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17791	M1O	04-039/11:23:44.0	43	NOTE: Below Uplink Interlock Limit		
17792	M1O	04-039/11:25:00.0	55	Range Modulation On: SUP=3.0dB		
17793	M1O	04-039/11:26:00.0	55	Begin Ranging Acquisition		
17794	M1O	04-039/11:30:00.0	43	End Tracking		
17795	M1O	04-039/11:39:04.5		NOTE: Enter Solar Eclipse 9547		04-039/11:26:55.0
17796	M1O	04-039/11:40:23.8		NOTE: Ascending Node Crossing 9547		04-039/11:28:14.3
17797	M1O	04-039/11:43:15.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-039/11:31:06.2
17798	M1O	04-039/11:43:17.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-039/11:31:08.3
17799	M1O	04-039/11:43:17.8	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17800	M1O	04-039/11:43:17.8	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17801	M1O	04-039/11:43:18.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-039/11:31:09.3
17802	M1O	04-039/11:44:18.8	63	Acquire D/L: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17803	M1O	04-039/11:44:18.8	55	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17804	M1O	04-039/11:45:00.0	43	End Post-Cal		
17805	M1O	04-039/11:49:17.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-039/11:37:08.3
17806	M1O	04-039/11:49:17.8	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		
17807	M1O	04-039/11:49:17.8	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17808	M1O	04-039/11:49:18.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-039/11:37:09.3
17809	M1O	04-039/11:51:56.0		NOTE: Exit Solar Eclipse 9547		04-039/11:39:46.5
17810	M1O	04-039/12:07:55.9		NOTE: Apoapsis 9547 -		04-039/11:55:46.4
17811	M1O	04-039/12:10:21.9		NOTE: North Pole Crossing 9547		04-039/11:58:12.3
17812	M1O	04-039/12:40:15.9		NOTE: Descending Node Crossing 9548		04-039/12:28:06.3
17813	M1O	04-039/13:07:49.9		NOTE: Periapsis 9548 ----------		04-039/12:55:40.2
17814	M1O	04-039/13:09:33.4		NOTE: South Pole Crossing 9548		04-039/12:57:23.7
17815	M1O	04-039/13:37:38.8		NOTE: Enter Solar Eclipse 9548		04-039/13:25:28.9
17816	M1O	04-039/13:38:55.3		NOTE: Ascending Node Crossing 9548		04-039/13:26:45.4
17817	M1O	04-039/13:50:22.9		NOTE: Exit Solar Eclipse 9548		04-039/13:38:13.0
17818	M1O	04-039/14:06:28.5		NOTE: Apoapsis 9548 -		04-039/13:54:18.5
17819	M1O	04-039/14:08:53.6		NOTE: North Pole Crossing 9548		04-039/13:56:43.7
17820	M1O	04-039/14:38:47.8		NOTE: Descending Node Crossing 9549		04-039/14:26:37.8
17821	M1O	04-039/15:06:22.9		NOTE: Periapsis 9549 ----------		04-039/14:54:12.7
17822	M1O	04-039/15:08:06.2		NOTE: South Pole Crossing 9549		04-039/14:55:56.0
17823	M1O	04-039/15:36:13.7		NOTE: Enter Solar Eclipse 9549		04-039/15:24:03.5
17824	M1O	04-039/15:37:28.8		NOTE: Ascending Node Crossing 9549		04-039/15:25:18.6
17825	M1O	04-039/15:48:49.7		NOTE: Exit Solar Eclipse 9549		04-039/15:36:39.4
17826	M1O	04-039/16:05:17.7		NOTE: Apoapsis 9549 -		04-039/15:53:07.4
17827	M1O	04-039/16:07:28.5		NOTE: North Pole Crossing 9549		04-039/15:55:18.2
17828	M1O	04-039/16:37:24.2		NOTE: Descending Node Crossing 9550		04-039/16:25:13.7
17829	M1O	04-039/16:45:39.0	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17830	M1O	04-039/16:55:00.0	55	Range Modulation Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17831	M1O	04-039/17:00:00.0	63	U/L Transfer From DSS-55 to DSS-63: PWR=20.0, BR=125.0		
17832	M1O	04-039/17:05:00.0	63	Range Modulation On: SUP=3.0dB		
17833	M1O	04-039/17:05:08.9		NOTE: Periapsis 9550 ----------		04-039/16:52:58.4
17834	M1O	04-039/17:06:00.0	63	Begin Ranging Acquisition		
17835	M1O	04-039/17:06:42.4		NOTE: South Pole Crossing 9550		04-039/16:54:31.9
17836	M1O	04-039/17:10:00.0	55	End Tracking		
17837	M1O	04-039/17:24:20.9	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17838	M1O	04-039/17:25:00.0	55	End Post-Cal		
17839	M1O	04-039/17:34:48.9		NOTE: Enter Solar Eclipse 9550		04-039/17:22:38.3
17840	M1O	04-039/17:36:04.7		NOTE: Ascending Node Crossing 9550		04-039/17:23:54.1
17841	M1O	04-039/17:47:21.8		NOTE: Exit Solar Eclipse 9550		04-039/17:35:11.2
17842	M1O	04-039/18:03:51.7		NOTE: Apoapsis 9550 -		04-039/17:51:41.0
17843	M1O	04-039/18:06:04.8		NOTE: North Pole Crossing 9550		04-039/17:53:54.2
17844	M1O	04-039/18:36:01.0		NOTE: Descending Node Crossing 9551		04-039/18:23:50.2
17845	M1O	04-039/19:03:42.0		NOTE: Periapsis 9551 ----------		04-039/18:51:31.1
17846	M1O	04-039/19:05:19.2		NOTE: South Pole Crossing 9551		04-039/18:53:08.3
17847	M1O	04-039/19:33:25.8		NOTE: Enter Solar Eclipse 9551		04-039/19:21:14.8
17848	M1O	04-039/19:34:41.3		NOTE: Ascending Node Crossing 9551		04-039/19:22:30.4
17849	M1O	04-039/19:45:58.5		NOTE: Exit Solar Eclipse 9551		04-039/19:33:47.5
17850	M1O	04-039/20:02:05.9		NOTE: Apoapsis 9551 -		04-039/19:49:54.9
17851	M1O	04-039/20:04:40.9		NOTE: North Pole Crossing 9551		04-039/19:52:29.8
17852	M1O	04-039/20:34:36.2		NOTE: Descending Node Crossing 9552		04-039/20:22:25.0
17853	M1O	04-039/21:02:15.0		NOTE: Periapsis 9552 ----------		04-039/20:50:03.8
17854	M1O	04-039/21:03:54.5		NOTE: South Pole Crossing 9552		04-039/20:51:43.3
17855	M1O	04-039/21:30:00.0	14	Begin Pre-Cal		
17856	M1O	04-039/21:30:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17857	M1O	04-039/21:30:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17858	M1O	04-039/21:30:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17859	M1O	04-039/21:30:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17860	M1O	04-039/21:30:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17861	M1O	04-039/21:30:00.0	14	Config: RCV: Parms:		
17862	M1O	04-039/21:30:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17863	M1O	04-039/21:30:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
17864	M1O	04-039/21:30:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17865	M1O	04-039/21:32:01.1		NOTE: Enter Solar Eclipse 9552		04-039/21:19:49.8
17866	M1O	04-039/21:33:16.7		NOTE: Ascending Node Crossing 9552		04-039/21:21:05.3
17867	M1O	04-039/21:44:37.4		NOTE: Exit Solar Eclipse 9552		04-039/21:32:26.0
17868	M1O	04-039/21:55:00.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17869	M1O	04-039/22:00:00.0	14	Begin Tracking		
17870	M1O	04-039/22:00:00.0	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		
17871	M1O	04-039/22:00:29.1		NOTE: Apoapsis 9552 -		04-039/21:48:17.7
17872	M1O	04-039/22:03:15.0		NOTE: North Pole Crossing 9552		04-039/21:51:03.6
17873	M1O	04-039/22:05:00.0	63	Range Modulation Off		
17874	M1O	04-039/22:10:00.0	63	X-Band Transmitter Off		
17875	M1O	04-039/22:23:21.0	63	NOTE: Below Uplink Interlock Limit		
17876	M1O	04-039/22:33:09.0		NOTE: Descending Node Crossing 9553		04-039/22:20:57.5
17877	M1O	04-039/22:33:20.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-039/22:21:08.5
17878	M1O	04-039/22:33:22.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-039/22:21:10.6
17879	M1O	04-039/22:33:22.2	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		
17880	M1O	04-039/22:33:22.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17881	M1O	04-039/22:33:23.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-039/22:21:11.6
17882	M1O	04-039/22:34:22.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17883	M1O	04-039/22:34:22.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17884	M1O	04-039/22:39:22.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-039/22:27:10.6
17885	M1O	04-039/22:39:22.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17886	M1O	04-039/22:39:22.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17887	M1O	04-039/22:39:23.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-039/22:27:11.6
17888	M1O	04-039/22:46:09.5		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-039/22:33:58.0
17889	M1O	04-039/22:46:09.6		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-039/22:33:58.1
17890	M1O	04-039/22:46:10.6		Forces a desaturation of the reaction wheels.	RW_DESAT	04-039/22:33:59.1
17891	M1O	04-039/22:49:32.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-039/22:37:21.0
17892	M1O	04-039/22:49:48.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-037T22:37:21.100, 2004-039T22:37:21.100	PCKTS_RE_TX_TIME	04-039/22:37:36.8
17893	M1O	04-039/22:49:49.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-037T22:37:21.100, 2004-039T22:37:21.100	PCKTS_RE_TX_TIME	04-039/22:37:37.8
17894	M1O	04-039/22:49:50.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-037T22:37:21.100, 2004-039T22:37:21.100	PCKTS_RE_TX_TIME	04-039/22:37:38.8
17895	M1O	04-039/22:49:51.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-037T22:37:21.100, 2004-039T22:37:21.100	PCKTS_RE_TX_TIME	04-039/22:37:39.8
17896	M1O	04-039/22:49:52.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-037T22:37:21.100, 2004-039T22:37:21.100	PCKTS_RE_TX_TIME	04-039/22:37:40.8
17897	M1O	04-039/22:49:53.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-037T22:37:21.100, 2004-039T22:37:21.100	PCKTS_RE_TX_TIME	04-039/22:37:41.8
17898	M1O	04-039/22:49:53.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-039/22:37:41.8
17899	M1O	04-039/22:49:53.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17900	M1O	04-039/22:49:53.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17901	M1O	04-039/22:56:54.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-039/22:44:42.8
17902	M1O	04-039/22:56:54.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17903	M1O	04-039/22:56:54.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17904	M1O	04-039/22:56:55.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-039/22:44:43.8
17905	M1O	04-039/22:57:11.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-039/22:44:59.8
17906	M1O	04-039/22:57:11.4	14	D/L RF Warning: SC antenna change - expect signal level variation		
17907	M1O	04-039/22:57:11.4	63	D/L RF Warning: SC antenna change - expect signal level variation		
17908	M1O	04-039/22:57:12.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-039/22:45:00.8
17909	M1O	04-039/22:57:40.7		CALL, Engine = , Parameters = FALSE	park_hga	04-039/22:45:29.1
17910	M1O	04-039/22:57:40.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-039/22:45:29.1
17911	M1O	04-039/22:57:41.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-039/22:45:30.1
17912	M1O	04-039/22:57:42.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-039/22:45:31.1
17913	M1O	04-039/22:57:42.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-039/22:45:31.1
17914	M1O	04-039/22:57:42.7		NOTE: START HGA PARK		
17915	M1O	04-039/22:57:42.7	14	NOTE: Loss Of X-Band Signal		
17916	M1O	04-039/22:57:42.7	63	NOTE: Loss Of X-Band Signal		
17917	M1O	04-039/22:57:43.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-039/22:45:32.1
17918	M1O	04-039/22:57:44.7		Move the specified appendage o the specified gimbal angles unless inhibited by	APPNDG_GOTO_POS	04-039/22:45:33.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				softstops.: HGA, -87, -87		
17919	M1O	04-039/23:00:00.0	63	End Tracking		
17920	M1O	04-039/23:00:48.7		NOTE: Periapsis 9553 ----------		04-039/22:48:37.0
17921	M1O	04-039/23:02:14.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-039/22:50:03.1
17922	M1O	04-039/23:02:27.0		NOTE: South Pole Crossing 9553		04-039/22:50:15.4
17923	M1O	04-039/23:05:44.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-039/22:53:33.1
17924	M1O	04-039/23:05:44.7		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-039/22:53:33.1
17925	M1O	04-039/23:15:00.0	63	End Post-Cal		
17926	M1O	04-039/23:30:32.5		NOTE: Enter Solar Eclipse 9553		04-039/23:18:20.8
17927	M1O	04-039/23:31:48.8		NOTE: Ascending Node Crossing 9553		04-039/23:19:37.1
17928	M1O	04-039/23:35:44.7		GV: GV_DESAT_ACTIVE = 1		04-039/23:23:33.0
17929	M1O	04-039/23:35:45.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-039/23:23:34.0
17930	M1O	04-039/23:35:45.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-039/23:23:34.0
17931	M1O	04-039/23:43:12.1		NOTE: Exit Solar Eclipse 9553		04-039/23:31:00.3
17932	M1O	04-039/23:45:44.7		GV: GV_DESAT_ACTIVE = 0		04-039/23:33:33.0
17933	M1O	04-039/23:45:45.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-039/23:33:34.0
17934	M1O	04-039/23:45:46.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-039/23:33:35.0
17935	M1O	04-039/23:45:47.7		CALL, Engine = , Parameters =	unpark_hga	04-039/23:33:36.0
17936	M1O	04-039/23:45:47.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-039/23:33:36.0
17937	M1O	04-039/23:45:48.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-039/23:33:37.0
17938	M1O	04-039/23:50:18.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-039/23:38:07.0
17939	M1O	04-039/23:50:19.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-039/23:38:08.0
17940	M1O	04-039/23:53:44.8		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-039/23:41:33.0
17941	M1O	04-039/23:53:44.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-039/23:41:33.1
17942	M1O	04-039/23:53:45.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-039/23:41:34.1
17943	M1O	04-039/23:53:46.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-039/23:41:35.1
17944	M1O	04-039/23:53:47.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-039/23:41:36.1
17945	M1O	04-039/23:53:48.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-039/23:41:37.1
17946	M1O	04-039/23:53:58.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-039/23:41:47.1
17947	M1O	04-039/23:54:08.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-039/23:41:57.1
17948	M1O	04-039/23:54:19.7		NOTE: EXIT HGA PARK		
17949	M1O	04-039/23:54:19.7	14	Acquisition Of X-Band Signal		
17950	M1O	04-039/23:54:19.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17951	M1O	04-039/23:59:08.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-039/23:46:57.1
17952	M1O	04-039/23:59:09.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-039/23:46:58.1
17953	M1O	04-039/23:59:09.9	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17954	M1O	04-039/23:59:10.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-039/23:46:59.1
17955	M1O	04-039/23:59:12.8		NOTE: Apoapsis 9553 -		04-039/23:47:00.9
17956	M1O	04-040/00:00:00.0		Light Time: OWLT = 12:11, RTLT = 24:23		
17957	M1O	04-040/00:01:46.7		NOTE: North Pole Crossing 9553		04-039/23:49:34.8
17958	M1O	04-040/00:31:40.3		NOTE: Descending Node Crossing 9554		04-040/00:19:28.4
17959	M1O	04-040/00:55:00.0	43	Begin Pre-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17960	M1O	04-040/00:55:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17961	M1O	04-040/00:55:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17962	M1O	04-040/00:55:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17963	M1O	04-040/00:55:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17964	M1O	04-040/00:55:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17965	M1O	04-040/00:55:00.0	43	Config: RCV: Parms:		
17966	M1O	04-040/00:55:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17967	M1O	04-040/00:55:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
17968	M1O	04-040/00:55:00.0	43	Config: TXL		
17969	M1O	04-040/00:55:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
17970	M1O	04-040/00:55:00.0	43	Config: CMD		
17971	M1O	04-040/00:55:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
17972	M1O	04-040/00:59:13.6		NOTE: Periapsis 9554 ----------		04-040/00:47:01.6
17973	M1O	04-040/01:00:57.4		NOTE: South Pole Crossing 9554		04-040/00:48:45.3
17974	M1O	04-040/01:29:03.8		NOTE: Enter Solar Eclipse 9554		04-040/01:16:51.7
17975	M1O	04-040/01:30:18.8		NOTE: Ascending Node Crossing 9554		04-040/01:18:06.6
17976	M1O	04-040/01:41:36.5		NOTE: Exit Solar Eclipse 9554		04-040/01:29:24.4
17977	M1O	04-040/01:57:37.5		NOTE: Apoapsis 9554 -		04-040/01:45:25.3
17978	M1O	04-040/02:00:17.7		NOTE: North Pole Crossing 9554		04-040/01:48:05.5
17979	M1O	04-040/02:30:12.2		NOTE: Descending Node Crossing 9555		04-040/02:17:59.9
17980	M1O	04-040/02:40:00.0	43	Begin Tracking		
17981	M1O	04-040/02:40:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17982	M1O	04-040/02:41:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17983	M1O	04-040/02:46:00.0	43	Range Modulation On: SUP=3.0dB		
17984	M1O	04-040/02:47:00.0	43	Begin Ranging Acquisition		
17985	M1O	04-040/02:57:24.0		NOTE: Periapsis 9555 ----------		04-040/02:45:11.6
17986	M1O	04-040/02:59:29.5		NOTE: South Pole Crossing 9555		04-040/02:47:17.1
17987	M1O	04-040/03:00:00.0	14	End Tracking		
17988	M1O	04-040/03:00:00.0	14	End Post-Cal		
17989	M1O	04-040/03:04:22.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-040/02:52:09.7
17990	M1O	04-040/03:04:24.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-040/02:52:11.8
17991	M1O	04-040/03:04:24.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17992	M1O	04-040/03:04:25.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-040/02:52:12.8
17993	M1O	04-040/03:05:24.6	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17994	M1O	04-040/03:10:24.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-040/02:58:11.8
17995	M1O	04-040/03:10:24.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17996	M1O	04-040/03:10:25.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-040/02:58:12.8
17997	M1O	04-040/03:27:41.7		NOTE: Enter Solar Eclipse 9555		04-040/03:15:29.2
17998	M1O	04-040/03:28:51.9		NOTE: Ascending Node Crossing 9555		04-040/03:16:39.4
17999	M1O	04-040/03:40:00.8		NOTE: Exit Solar Eclipse 9555		04-040/03:27:48.3
18000	M1O	04-040/03:55:54.7		NOTE: Apoapsis 9555 -		04-040/03:43:42.1
18001	M1O	04-040/03:58:51.6		NOTE: North Pole Crossing 9555		04-040/03:46:39.1
18002	M1O	04-040/04:28:46.6		NOTE: Descending Node Crossing 9556		04-040/04:16:33.9
18003	M1O	04-040/04:56:09.7		NOTE: Periapsis 9556 ----------		04-040/04:43:56.9
18004	M1O	04-040/04:58:05.4		NOTE: South Pole Crossing 9556		04-040/04:45:52.6
18005	M1O	04-040/05:26:19.1		NOTE: Enter Solar Eclipse 9556		04-040/05:14:06.2
18006	M1O	04-040/05:27:28.7		NOTE: Ascending Node Crossing 9556		04-040/05:15:15.8
18007	M1O	04-040/05:38:35.4		NOTE: Exit Solar Eclipse 9556		04-040/05:26:22.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18008	M1O	04-040/05:54:49.2		NOTE: Apoapsis 9556 -		04-040/05:42:36.2
18009	M1O	04-040/05:57:27.9		NOTE: North Pole Crossing 9556		04-040/05:45:14.9
18010	M1O	04-040/06:27:22.9		NOTE: Descending Node Crossing 9557		04-040/06:15:09.8
18011	M1O	04-040/06:55:12.9		NOTE: Periapsis 9557 ----------		04-040/06:42:59.8
18012	M1O	04-040/06:56:42.4		NOTE: South Pole Crossing 9557		04-040/06:44:29.2
18013	M1O	04-040/07:12:13.2		SPAWN, Engine = 65535, Parameters =	scdiag	04-040/07:00:00.0
18014	M1O	04-040/07:12:14.3		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-040/07:00:01.1
18015	M1O	04-040/07:12:15.3		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-040/07:00:02.1
18016	M1O	04-040/07:13:16.2		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-040/07:01:03.0
18017	M1O	04-040/07:13:16.4		NOTE: Start Block fsw_diag		04-040/07:01:03.2
18018	M1O	04-040/07:13:17.4		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-040/07:01:04.2
18019	M1O	04-040/07:13:18.4		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	04-040/07:01:05.2
18020	M1O	04-040/07:13:29.4		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	04-040/07:01:16.2
18021	M1O	04-040/07:13:59.4		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-040/07:01:46.2
18022	M1O	04-040/07:14:19.4		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-040/07:02:06.2
18023	M1O	04-040/07:14:29.4		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-040/07:02:16.2
18024	M1O	04-040/07:14:49.4		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-040/07:02:36.2
18025	M1O	04-040/07:14:59.4		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-040/07:02:46.2
18026	M1O	04-040/07:15:04.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-040/07:02:51.2
18027	M1O	04-040/07:15:09.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-040/07:02:56.2
18028	M1O	04-040/07:15:14.4		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-040/07:03:01.2
18029	M1O	04-040/07:15:19.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-040/07:03:06.2
18030	M1O	04-040/07:15:24.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-040/07:03:11.2
18031	M1O	04-040/07:16:04.4		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-040/07:03:51.2
18032	M1O	04-040/07:16:09.4		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-040/07:03:56.2
18033	M1O	04-040/07:16:14.4		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-040/07:04:01.2
18034	M1O	04-040/07:16:19.4		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-040/07:04:06.2
18035	M1O	04-040/07:16:24.4		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-040/07:04:11.2
18036	M1O	04-040/07:16:25.4		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-040/07:04:12.2
18037	M1O	04-040/07:16:26.4		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-040/07:04:13.2
18038	M1O	04-040/07:16:27.4		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-040/07:04:14.2
18039	M1O	04-040/07:16:38.4		NOTE: End Block fsw_diag.mod		04-040/07:04:25.2
18040	M1O	04-040/07:24:53.3		NOTE: Enter Solar Eclipse 9557		04-040/07:12:40.0
18041	M1O	04-040/07:26:05.5		NOTE: Ascending Node Crossing 9557		04-040/07:13:52.2
18042	M1O	04-040/07:37:13.5		NOTE: Exit Solar Eclipse 9557		04-040/07:25:00.2
18043	M1O	04-040/07:53:58.8		NOTE: Apoapsis 9557 -		04-040/07:41:45.5
18044	M1O	04-040/07:56:04.3		NOTE: North Pole Crossing 9557		04-040/07:43:51.0
18045	M1O	04-040/08:24:59.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
18046	M1O	04-040/08:25:59.5		NOTE: Descending Node Crossing 9558		04-040/08:13:46.1
18047	M1O	04-040/08:34:59.0	43	Range Modulation Off		
18048	M1O	04-040/08:39:59.0	43	X-Band Transmitter Off		
18049	M1O	04-040/08:54:08.4		NOTE: Periapsis 9558 ----------		04-040/08:41:54.8
18050	M1O	04-040/08:55:18.5		NOTE: South Pole Crossing 9558		04-040/08:43:05.0
18051	M1O	04-040/09:03:23.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-040/08:51:09.8
18052	M1O	04-040/09:03:25.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-040/08:51:11.9
18053	M1O	04-040/09:03:25.5	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18054	M1O	04-040/09:03:26.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-040/08:51:12.9
18055	M1O	04-040/09:04:25.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18056	M1O	04-040/09:09:25.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-040/08:57:11.9
18057	M1O	04-040/09:09:25.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18058	M1O	04-040/09:09:26.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-040/08:57:12.9
18059	M1O	04-040/09:23:24.8		NOTE: Enter Solar Eclipse 9558		04-040/09:11:11.2
18060	M1O	04-040/09:24:40.5		NOTE: Ascending Node Crossing 9558		04-040/09:12:26.9
18061	M1O	04-040/09:25:00.0	63	Begin Pre-Cal		
18062	M1O	04-040/09:25:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18063	M1O	04-040/09:25:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18064	M1O	04-040/09:25:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18065	M1O	04-040/09:25:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18066	M1O	04-040/09:25:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18067	M1O	04-040/09:25:00.0	63	Config: RCV: Parms:		
18068	M1O	04-040/09:25:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18069	M1O	04-040/09:25:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
18070	M1O	04-040/09:25:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18071	M1O	04-040/09:35:51.4		NOTE: Exit Solar Eclipse 9558		04-040/09:23:37.8
18072	M1O	04-040/09:52:41.7		NOTE: Apoapsis 9558 -		04-040/09:40:28.0
18073	M1O	04-040/09:54:39.2		NOTE: North Pole Crossing 9558		04-040/09:42:25.5
18074	M1O	04-040/10:05:00.0	65	Begin Pre-Cal		
18075	M1O	04-040/10:05:00.0	65	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18076	M1O	04-040/10:05:00.0	65	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18077	M1O	04-040/10:05:00.0	65	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18078	M1O	04-040/10:05:00.0	65	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18079	M1O	04-040/10:05:00.0	65	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18080	M1O	04-040/10:05:00.0	65	Config: RCV: Parms:		
18081	M1O	04-040/10:05:00.0	65	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18082	M1O	04-040/10:05:00.0	65	Config: TGC: BAND=X, SR=221200.000000		
18083	M1O	04-040/10:05:00.0	65	Config: TXL		
18084	M1O	04-040/10:05:00.0	65	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
18085	M1O	04-040/10:05:00.0	65	Config: CMD		
18086	M1O	04-040/10:05:00.0	65	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
18087	M1O	04-040/10:24:34.2		NOTE: Descending Node Crossing 9559		04-040/10:12:20.4
18088	M1O	04-040/10:52:34.0		NOTE: Periapsis 9559 ----------		04-040/10:40:20.1
18089	M1O	04-040/10:53:51.9		NOTE: South Pole Crossing 9559		04-040/10:41:38.0
18090	M1O	04-040/11:10:00.0	63	Begin Tracking		
18091	M1O	04-040/11:10:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18092	M1O	04-040/11:14:23.0	63	NOTE: Above Uplink Interlock Limit		
18093	M1O	04-040/11:21:27.0	43	NOTE: Below Uplink Interlock Limit		
18094	M1O	04-040/11:21:56.1		NOTE: Enter Solar Eclipse 9559		04-040/11:09:42.1
18095	M1O	04-040/11:23:13.0		NOTE: Ascending Node Crossing 9559		04-040/11:10:59.0
18096	M1O	04-040/11:30:00.0	43	End Tracking		
18097	M1O	04-040/11:34:26.1		NOTE: Exit Solar Eclipse 9559		04-040/11:22:12.1
18098	M1O	04-040/11:35:00.0	65	Begin Tracking		
18099	M1O	04-040/11:35:00.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18100	M1O	04-040/11:36:00.0	65	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18101	M1O	04-040/11:41:00.0	65	Range Modulation On: SUP=3.0dB		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18102	M1O	04-040/11:42:00.0	65	Begin Ranging Acquisition		
18103	M1O	04-040/11:45:00.0	43	End Post-Cal		
18104	M1O	04-040/11:50:51.7		NOTE: Apoapsis 9559 -		04-040/11:38:37.6
18105	M1O	04-040/11:53:11.4		NOTE: North Pole Crossing 9559		04-040/11:40:57.3
18106	M1O	04-040/11:59:23.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-040/11:47:09.7
18107	M1O	04-040/11:59:25.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-040/11:47:11.8
18108	M1O	04-040/11:59:25.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18109	M1O	04-040/11:59:25.9	65	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18110	M1O	04-040/11:59:26.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-040/11:47:12.8
18111	M1O	04-040/12:00:28.1	63	Acquire D/L: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18112	M1O	04-040/12:00:28.1	65	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18113	M1O	04-040/12:05:25.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-040/11:53:11.8
18114	M1O	04-040/12:05:25.9	63	D/L Change: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18115	M1O	04-040/12:05:25.9	65	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18116	M1O	04-040/12:05:26.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-040/11:53:12.8
18117	M1O	04-040/12:23:05.6		NOTE: Descending Node Crossing 9560		04-040/12:10:51.5
18118	M1O	04-040/12:50:44.5		NOTE: Periapsis 9560 ----------		04-040/12:38:30.2
18119	M1O	04-040/12:52:23.0		NOTE: South Pole Crossing 9560		04-040/12:40:08.8
18120	M1O	04-040/13:20:29.5		NOTE: Enter Solar Eclipse 9560		04-040/13:08:15.2
18121	M1O	04-040/13:21:44.5		NOTE: Ascending Node Crossing 9560		04-040/13:09:30.1
18122	M1O	04-040/13:32:56.1		NOTE: Exit Solar Eclipse 9560		04-040/13:20:41.7
18123	M1O	04-040/13:49:14.9		NOTE: Apoapsis 9560 -		04-040/13:37:00.4
18124	M1O	04-040/13:51:42.4		NOTE: North Pole Crossing 9560		04-040/13:39:27.9
18125	M1O	04-040/14:21:36.2		NOTE: Descending Node Crossing 9561		04-040/14:09:21.6
18126	M1O	04-040/14:49:09.7		NOTE: Periapsis 9561 ----------		04-040/14:36:55.1
18127	M1O	04-040/14:50:54.4		NOTE: South Pole Crossing 9561		04-040/14:38:39.7
18128	M1O	04-040/15:19:04.1		NOTE: Enter Solar Eclipse 9561		04-040/15:06:49.4
18129	M1O	04-040/15:20:17.0		NOTE: Ascending Node Crossing 9561		04-040/15:08:02.2
18130	M1O	04-040/15:31:21.4		NOTE: Exit Solar Eclipse 9561		04-040/15:19:06.7
18131	M1O	04-040/15:35:30.2	65	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
18132	M1O	04-040/15:40:00.0	65	NOTE: X-Band Transmitter Off in 15 minutes		
18133	M1O	04-040/15:48:06.3		NOTE: Apoapsis 9561 -		04-040/15:35:51.5
18134	M1O	04-040/15:50:00.0	65	Range Modulation Off		
18135	M1O	04-040/15:50:16.0		NOTE: North Pole Crossing 9561		04-040/15:38:01.2
18136	M1O	04-040/15:55:00.0	65	X-Band Transmitter Off		
18137	M1O	04-040/16:00:00.0	65	End Tracking		
18138	M1O	04-040/16:00:00.0	65	End Post-Cal		
18139	M1O	04-040/16:18:26.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-040/16:06:12.0
18140	M1O	04-040/16:18:29.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-040/16:06:14.1
18141	M1O	04-040/16:18:29.0	63	D/L Change: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18142	M1O	04-040/16:18:30.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-040/16:06:15.1
18143	M1O	04-040/16:19:29.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18144	M1O	04-040/16:20:11.2		NOTE: Descending Node Crossing 9562		04-040/16:07:56.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18145	M1O	04-040/16:24:29.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-040/16:12:14.1
18146	M1O	04-040/16:24:29.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18147	M1O	04-040/16:24:30.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-040/16:12:15.1
18148	M1O	04-040/16:47:56.8		NOTE: Periapsis 9562 ----------		04-040/16:35:41.7
18149	M1O	04-040/16:49:29.6		NOTE: South Pole Crossing 9562		04-040/16:37:14.6
18150	M1O	04-040/17:17:38.8		NOTE: Enter Solar Eclipse 9562		04-040/17:05:23.6
18151	M1O	04-040/17:18:52.0		NOTE: Ascending Node Crossing 9562		04-040/17:06:36.9
18152	M1O	04-040/17:29:51.0		NOTE: Exit Solar Eclipse 9562		04-040/17:17:35.8
18153	M1O	04-040/17:40:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18154	M1O	04-040/17:45:00.0	63	Range Modulation On: SUP=3.0dB		
18155	M1O	04-040/17:46:00.0	63	Begin Ranging Acquisition		
18156	M1O	04-040/17:46:47.9		NOTE: Apoapsis 9562 -		04-040/17:34:32.6
18157	M1O	04-040/17:48:52.0		NOTE: North Pole Crossing 9562		04-040/17:36:36.8
18158	M1O	04-040/18:03:26.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-040/17:51:10.8
18159	M1O	04-040/18:03:28.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-040/17:51:12.9
18160	M1O	04-040/18:03:28.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18161	M1O	04-040/18:03:29.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-040/17:51:13.9
18162	M1O	04-040/18:04:30.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18163	M1O	04-040/18:09:28.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-040/17:57:12.9
18164	M1O	04-040/18:09:28.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18165	M1O	04-040/18:09:29.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-040/17:57:13.9
18166	M1O	04-040/18:18:48.2		NOTE: Descending Node Crossing 9563		04-040/18:06:32.9
18167	M1O	04-040/18:46:36.4		NOTE: Periapsis 9563 ----------		04-040/18:34:21.0
18168	M1O	04-040/18:48:06.6		NOTE: South Pole Crossing 9563		04-040/18:35:51.1
18169	M1O	04-040/19:16:15.0		NOTE: Enter Solar Eclipse 9563		04-040/19:03:59.4
18170	M1O	04-040/19:17:28.6		NOTE: Ascending Node Crossing 9563		04-040/19:05:13.1
18171	M1O	04-040/19:28:25.9		NOTE: Exit Solar Eclipse 9563		04-040/19:16:10.3
18172	M1O	04-040/19:45:09.3		NOTE: Apoapsis 9563 -		04-040/19:32:53.7
18173	M1O	04-040/19:47:28.5		NOTE: North Pole Crossing 9563		04-040/19:35:12.9
18174	M1O	04-040/20:17:24.4		NOTE: Descending Node Crossing 9564		04-040/20:05:08.7
18175	M1O	04-040/20:45:06.2		NOTE: Periapsis 9564 ----------		04-040/20:32:50.4
18176	M1O	04-040/20:46:42.9		NOTE: South Pole Crossing 9564		04-040/20:34:27.1
18177	M1O	04-040/21:14:51.9		NOTE: Enter Solar Eclipse 9564		04-040/21:02:36.1
18178	M1O	04-040/21:16:05.0		NOTE: Ascending Node Crossing 9564		04-040/21:03:49.2
18179	M1O	04-040/21:27:04.6		NOTE: Exit Solar Eclipse 9564		04-040/21:14:48.7
18180	M1O	04-040/21:40:00.0	26	Begin Pre-Cal		
18181	M1O	04-040/21:40:00.0	26	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
18182	M1O	04-040/21:40:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18183	M1O	04-040/21:40:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18184	M1O	04-040/21:40:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18185	M1O	04-040/21:40:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18186	M1O	04-040/21:40:00.0	26	Config: RCV: Parms:		
18187	M1O	04-040/21:40:00.0	26	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18188	M1O	04-040/21:40:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
18189	M1O	04-040/21:40:00.0	26	Config: TXL		
18190	M1O	04-040/21:40:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
18191	M1O	04-040/21:40:00.0	26	Config: CMD		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18192	M1O	04-040/21:40:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
18193	M1O	04-040/21:43:21.5		NOTE: Apoapsis 9564 -		04-040/21:31:05.5
18194	M1O	04-040/21:46:03.9		NOTE: North Pole Crossing 9564		04-040/21:33:47.9
18195	M1O	04-040/21:55:00.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
18196	M1O	04-040/22:05:00.0	63	Range Modulation Off		
18197	M1O	04-040/22:10:00.0	63	X-Band Transmitter Off		
18198	M1O	04-040/22:15:58.5		NOTE: Descending Node Crossing 9565		04-040/22:03:42.4
18199	M1O	04-040/22:20:42.0	63	NOTE: Below Uplink Interlock Limit		
18200	M1O	04-040/22:26:21.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-040/22:14:05.0
18201	M1O	04-040/22:26:36.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-038T22:14:05.100, 2004-040T22:14:05.100	PCKTS_RE_TX_TIME	04-040/22:14:20.8
18202	M1O	04-040/22:26:37.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-038T22:14:05.100, 2004-040T22:14:05.100	PCKTS_RE_TX_TIME	04-040/22:14:21.8
18203	M1O	04-040/22:26:38.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-038T22:14:05.100, 2004-040T22:14:05.100	PCKTS_RE_TX_TIME	04-040/22:14:22.8
18204	M1O	04-040/22:26:39.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-038T22:14:05.100, 2004-040T22:14:05.100	PCKTS_RE_TX_TIME	04-040/22:14:23.8
18205	M1O	04-040/22:26:40.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-038T22:14:05.100, 2004-040T22:14:05.100	PCKTS_RE_TX_TIME	04-040/22:14:24.8
18206	M1O	04-040/22:26:41.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-038T22:14:05.100, 2004-040T22:14:05.100	PCKTS_RE_TX_TIME	04-040/22:14:25.8
18207	M1O	04-040/22:26:41.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-040/22:14:25.8
18208	M1O	04-040/22:26:41.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18209	M1O	04-040/22:28:59.1		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-040/22:16:43.0
18210	M1O	04-040/22:28:59.2		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-040/22:16:43.1
18211	M1O	04-040/22:29:00.2		Forces a desaturation of the reaction wheels.	RW_DESAT	04-040/22:16:44.1
18212	M1O	04-040/22:33:42.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-040/22:21:26.8
18213	M1O	04-040/22:33:42.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18214	M1O	04-040/22:33:43.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-040/22:21:27.8
18215	M1O	04-040/22:33:59.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-040/22:21:43.8
18216	M1O	04-040/22:33:59.9	63	D/L RF Warning: SC antenna change - expect signal level variation		
18217	M1O	04-040/22:34:00.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-040/22:21:44.8
18218	M1O	04-040/22:34:32.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18219	M1O	04-040/22:40:00.0	26	Begin Tracking		
18220	M1O	04-040/22:40:00.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18221	M1O	04-040/22:40:30.2		CALL, Engine = , Parameters = FALSE	park_hga	04-040/22:28:14.1
18222	M1O	04-040/22:40:30.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-040/22:28:14.1
18223	M1O	04-040/22:40:31.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-040/22:28:15.1
18224	M1O	04-040/22:40:32.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-040/22:28:16.1
18225	M1O	04-040/22:40:32.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-040/22:28:16.1
18226	M1O	04-040/22:40:32.2		NOTE: START HGA PARK		
18227	M1O	04-040/22:40:32.2	63	NOTE: Loss Of X-Band Signal		
18228	M1O	04-040/22:40:32.2	26	NOTE: Loss Of X-Band Signal		
18229	M1O	04-040/22:40:33.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-040/22:28:17.1
18230	M1O	04-040/22:40:34.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-040/22:28:18.1
18231	M1O	04-040/22:43:39.0		NOTE: Periapsis 9565 ----------		04-040/22:31:22.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18232	M1O	04-040/22:45:04.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-040/22:32:48.1
18233	M1O	04-040/22:45:16.8		NOTE: South Pole Crossing 9565		04-040/22:33:00.7
18234	M1O	04-040/22:48:34.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-040/22:36:18.1
18235	M1O	04-040/22:48:34.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-040/22:36:18.1
18236	M1O	04-040/23:00:00.0	63	End Tracking		
18237	M1O	04-040/23:00:00.9		NOTE: Changing to 34M (BWG) downlink rate: 28440_BPS		04-040/22:47:44.6
18238	M1O	04-040/23:00:00.9		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 28440_BPS	DOWNLINK_RATE	04-040/22:47:44.6
18239	M1O	04-040/23:12:27.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18240	M1O	04-040/23:13:25.4		NOTE: Enter Solar Eclipse 9565		04-040/23:01:09.1
18241	M1O	04-040/23:14:39.0		NOTE: Ascending Node Crossing 9565		04-040/23:02:22.7
18242	M1O	04-040/23:15:00.0	63	End Post-Cal		
18243	M1O	04-040/23:17:27.0	26	Range Modulation On: SUP=3.0dB		
18244	M1O	04-040/23:18:27.0	26	Begin Ranging Acquisition		
18245	M1O	04-040/23:18:34.2		GV: GV_DESAT_ACTIVE = 1		04-040/23:06:18.0
18246	M1O	04-040/23:18:35.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-040/23:06:19.0
18247	M1O	04-040/23:18:35.2		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-040/23:06:19.0
18248	M1O	04-040/23:25:42.5		NOTE: Exit Solar Eclipse 9565		04-040/23:13:26.2
18249	M1O	04-040/23:28:34.3		GV: GV_DESAT_ACTIVE = 0		04-040/23:16:18.0
18250	M1O	04-040/23:28:35.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-040/23:16:19.0
18251	M1O	04-040/23:28:36.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-040/23:16:20.0
18252	M1O	04-040/23:28:37.3		CALL, Engine = , Parameters =	unpark_hga	04-040/23:16:21.0
18253	M1O	04-040/23:28:37.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-040/23:16:21.0
18254	M1O	04-040/23:28:38.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-040/23:16:22.0
18255	M1O	04-040/23:33:08.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-040/23:20:52.0
18256	M1O	04-040/23:33:09.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-040/23:20:53.0
18257	M1O	04-040/23:36:33.5		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-040/23:24:17.1
18258	M1O	04-040/23:36:33.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-040/23:24:17.2
18259	M1O	04-040/23:36:34.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-040/23:24:18.2
18260	M1O	04-040/23:36:35.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-040/23:24:19.2
18261	M1O	04-040/23:36:36.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-040/23:24:20.2
18262	M1O	04-040/23:36:37.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-040/23:24:21.2
18263	M1O	04-040/23:36:47.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-040/23:24:31.2
18264	M1O	04-040/23:36:57.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-040/23:24:41.2
18265	M1O	04-040/23:37:09.3		NOTE: EXIT HGA PARK		
18266	M1O	04-040/23:37:09.3	26	Acquisition Of X-Band Signal		
18267	M1O	04-040/23:37:09.3	26	Acquire D/L: X/08, 2-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18268	M1O	04-040/23:41:57.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-040/23:29:41.2
18269	M1O	04-040/23:41:58.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-040/23:29:42.2
18270	M1O	04-040/23:41:58.6	26	D/L Change: X/08, 2-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18271	M1O	04-040/23:41:59.0		NOTE: Apoapsis 9565 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18274	M1O	04-041/00:00:00.0		Light Time: OWLT = 12:16, RTLT = 24:32		
18275	M1O	04-041/00:00:00.0	14	Begin Pre-Cal		
18276	M1O	04-041/00:00:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18277	M1O	04-041/00:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18278	M1O	04-041/00:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18279	M1O	04-041/00:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18280	M1O	04-041/00:00:00.0	14	At BOT: S/C Tlm Mode: BR=28440.0, FL=10112, SC=375KHZ, MI=71.7		
18281	M1O	04-041/00:00:00.0	14	Config: RCV: Parms:		
18282	M1O	04-041/00:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18283	M1O	04-041/00:00:00.0	14	Config: TGC: BAND=X, SR=56880.000000		
18284	M1O	04-041/00:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18285	M1O	04-041/00:14:30.3		NOTE: Descending Node Crossing 9566		04-041/00:02:13.9
18286	M1O	04-041/00:42:11.6		NOTE: Periapsis 9566 ----------		04-041/00:29:55.1
18287	M1O	04-041/00:43:48.0		NOTE: South Pole Crossing 9566		04-041/00:31:31.4
18288	M1O	04-041/01:11:55.6		NOTE: Enter Solar Eclipse 9566		04-041/00:59:39.0
18289	M1O	04-041/01:13:09.5		NOTE: Ascending Node Crossing 9566		04-041/01:00:52.8
18290	M1O	04-041/01:13:58.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-041/01:01:41.5
18291	M1O	04-041/01:14:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/01:01:43.6
18292	M1O	04-041/01:14:00.2	26	D/L Change: X/08, 2-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18293	M1O	04-041/01:14:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/01:01:44.6
18294	M1O	04-041/01:15:00.0	14	Begin Tracking		
18295	M1O	04-041/01:15:00.0	14	Acquire D/L: X/08, 3-Way/26, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18296	M1O	04-041/01:15:00.2		NOTE: Changing to 70M downlink rate: 110600_BPS		04-041/01:02:43.5
18297	M1O	04-041/01:15:00.2		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	04-041/01:02:43.5
18298	M1O	04-041/01:15:00.2	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		
18299	M1O	04-041/01:15:00.2	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18300	M1O	04-041/01:20:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-041/01:07:43.6
18301	M1O	04-041/01:20:00.3	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		
18302	M1O	04-041/01:20:00.3	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18303	M1O	04-041/01:20:01.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-041/01:07:44.6
18304	M1O	04-041/01:24:12.1		NOTE: Exit Solar Eclipse 9566		04-041/01:11:55.4
18305	M1O	04-041/01:38:33.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-041/01:26:16.7
18306	M1O	04-041/01:38:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/01:26:18.8
18307	M1O	04-041/01:38:35.5	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		
18308	M1O	04-041/01:38:35.5	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18309	M1O	04-041/01:38:36.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/01:26:19.8
18310	M1O	04-041/01:40:34.8		NOTE: Apoapsis 9566 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18315	M1O	04-041/01:44:36.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-041/01:32:19.8
18316	M1O	04-041/02:13:01.6		NOTE: Descending Node Crossing 9567		04-041/02:00:44.7
18317	M1O	04-041/02:40:24.1		NOTE: Periapsis 9567 ----------		04-041/02:28:07.1
18318	M1O	04-041/02:42:18.9		NOTE: South Pole Crossing 9567		04-041/02:30:01.9
18319	M1O	04-041/03:10:30.7		NOTE: Enter Solar Eclipse 9567		04-041/02:58:13.7
18320	M1O	04-041/03:11:40.9		NOTE: Ascending Node Crossing 9567		04-041/02:59:23.8
18321	M1O	04-041/03:22:35.2		NOTE: Exit Solar Eclipse 9567		04-041/03:10:18.2
18322	M1O	04-041/03:38:52.3		NOTE: Apoapsis 9567 -		04-041/03:26:35.1
18323	M1O	04-041/03:41:40.1		NOTE: North Pole Crossing 9567		04-041/03:29:23.0
18324	M1O	04-041/04:11:34.8		NOTE: Descending Node Crossing 9568		04-041/03:59:17.6
18325	M1O	04-041/04:38:54.3		NOTE: Periapsis 9568 ----------		04-041/04:26:37.0
18326	M1O	04-041/04:40:53.4		NOTE: South Pole Crossing 9568		04-041/04:28:36.1
18327	M1O	04-041/05:00:00.0	43	Begin Pre-Cal		
18328	M1O	04-041/05:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18329	M1O	04-041/05:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18330	M1O	04-041/05:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18331	M1O	04-041/05:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18332	M1O	04-041/05:00:00.0	43	At BOT: S/C Tlm Mode: BR=28440.0, FL=10112, SC=375KHZ, MI=71.7		
18333	M1O	04-041/05:00:00.0	43	Config: RCV: Parms:		
18334	M1O	04-041/05:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18335	M1O	04-041/05:00:00.0	43	Config: TGC: BAND=X, SR=56880.000000		
18336	M1O	04-041/05:00:00.0	43	Config: TXL		
18337	M1O	04-041/05:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
18338	M1O	04-041/05:00:00.0	43	Config: CMD		
18339	M1O	04-041/05:00:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
18340	M1O	04-041/05:09:09.2		NOTE: Enter Solar Eclipse 9568		04-041/04:56:51.8
18341	M1O	04-041/05:10:16.6		NOTE: Ascending Node Crossing 9568		04-041/04:57:59.1
18342	M1O	04-041/05:21:05.8		NOTE: Exit Solar Eclipse 9568		04-041/05:08:48.3
18343	M1O	04-041/05:37:31.2		NOTE: Apoapsis 9568 -		04-041/05:25:13.7
18344	M1O	04-041/05:40:15.6		NOTE: North Pole Crossing 9568		04-041/05:27:58.1
18345	M1O	04-041/05:55:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
18346	M1O	04-041/06:05:00.0	26	Range Modulation Off		
18347	M1O	04-041/06:10:00.0	26	X-Band Transmitter Off		
18348	M1O	04-041/06:10:10.4		NOTE: Descending Node Crossing 9569		04-041/05:57:52.8
18349	M1O	04-041/06:10:24.7	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
18350	M1O	04-041/06:13:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-041/06:01:40.3
18351	M1O	04-041/06:14:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/06:01:42.4
18352	M1O	04-041/06:14:00.1	14	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18353	M1O	04-041/06:14:00.1	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18354	M1O	04-041/06:14:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/06:01:43.4
18355	M1O	04-041/06:15:00.0	14	End Tracking		
18356	M1O	04-041/06:15:00.0		NOTE: Changing to 34M (BWG) downlink rate: 28440_BPS		04-041/06:02:42.3
18357	M1O	04-041/06:15:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 28440_BPS	DOWNLINK_RATE	04-041/06:02:42.3
18358	M1O	04-041/06:15:00.0	26	D/L Change: X/08, 2-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18359	M1O	04-041/06:20:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-041/06:07:42.4
18360	M1O	04-041/06:20:00.1	26	D/L Change: X/08, 2-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18361	M1O	04-041/06:20:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-041/06:07:43.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18362	M1O	04-041/06:23:18.0	26	NOTE: Below Uplink Interlock Limit		
18363	M1O	04-041/06:26:49.6		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-041/06:14:32.0
18364	M1O	04-041/06:27:05.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-039T06:14:32.100, 2004-041T06:14:32.100	PCKTS_RE_TX_TIME	04-041/06:14:47.8
18365	M1O	04-041/06:27:06.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-039T06:14:32.100, 2004-041T06:14:32.100	PCKTS_RE_TX_TIME	04-041/06:14:48.8
18366	M1O	04-041/06:27:07.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-039T06:14:32.100, 2004-041T06:14:32.100	PCKTS_RE_TX_TIME	04-041/06:14:49.8
18367	M1O	04-041/06:27:08.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-039T06:14:32.100, 2004-041T06:14:32.100	PCKTS_RE_TX_TIME	04-041/06:14:50.8
18368	M1O	04-041/06:27:09.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-039T06:14:32.100, 2004-041T06:14:32.100	PCKTS_RE_TX_TIME	04-041/06:14:51.8
18369	M1O	04-041/06:27:10.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-039T06:14:32.100, 2004-041T06:14:32.100	PCKTS_RE_TX_TIME	04-041/06:14:52.8
18370	M1O	04-041/06:27:10.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-041/06:14:52.8
18371	M1O	04-041/06:27:10.4	26	D/L Change: X/08, 2-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18372	M1O	04-041/06:30:00.0	14	End Post-Cal		
18373	M1O	04-041/06:34:11.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/06:21:53.8
18374	M1O	04-041/06:34:11.4	26	D/L Change: X/08, 2-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18375	M1O	04-041/06:34:12.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/06:21:54.8
18376	M1O	04-041/06:34:28.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-041/06:22:10.8
18377	M1O	04-041/06:34:28.4	26	D/L RF Warning: SC antenna change - expect signal level variation		
18378	M1O	04-041/06:34:29.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-041/06:22:11.8
18379	M1O	04-041/06:34:35.2	26	Acquire D/L: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18380	M1O	04-041/06:35:00.0	26	End Tracking		
18381	M1O	04-041/06:37:54.0		NOTE: Periapsis 9569 ----------		04-041/06:25:36.3
18382	M1O	04-041/06:39:30.1		NOTE: South Pole Crossing 9569		04-041/06:27:12.4
18383	M1O	04-041/06:44:35.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-041/06:32:17.3
18384	M1O	04-041/06:44:35.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/06:32:17.4
18385	M1O	04-041/06:44:36.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/06:32:18.4
18386	M1O	04-041/06:44:37.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-041/06:32:19.4
18387	M1O	04-041/06:44:38.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-041/06:32:20.4
18388	M1O	04-041/06:44:39.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-041/06:32:21.4
18389	M1O	04-041/06:44:49.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-041/06:32:31.4
18390	M1O	04-041/06:44:59.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-041/06:32:41.4
18391	M1O	04-041/06:45:00.0	43	Begin Tracking		
18392	M1O	04-041/06:45:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=28440.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18393	M1O	04-041/06:45:00.1		NOTE: Changing to 70M downlink rate: 110600_BPS		04-041/06:32:42.3
18394	M1O	04-041/06:45:00.1		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	04-041/06:32:42.3
18395	M1O	04-041/06:45:00.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18396	M1O	04-041/06:46:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18397	M1O	04-041/06:49:59.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-041/06:37:41.4
18398	M1O	04-041/06:50:00.0	26	End Post-Cal		
18399	M1O	04-041/06:50:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-041/06:37:42.4
18400	M1O	04-041/06:50:00.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18401	M1O	04-041/06:50:01.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-041/06:37:43.4
18402	M1O	04-041/06:51:00.0	43	Range Modulation On: SUP=3.0dB		
18403	M1O	04-041/06:52:00.0	43	Begin Ranging Acquisition		
18404	M1O	04-041/07:07:44.7		NOTE: Enter Solar Eclipse 9569		04-041/06:55:27.0
18405	M1O	04-041/07:08:53.6		NOTE: Ascending Node Crossing 9569		04-041/06:56:35.8
18406	M1O	04-041/07:09:33.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-041/06:57:15.4
18407	M1O	04-041/07:09:35.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/06:57:17.5
18408	M1O	04-041/07:09:35.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18409	M1O	04-041/07:09:36.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/06:57:18.5
18410	M1O	04-041/07:10:35.4	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18411	M1O	04-041/07:12:17.7		SPAWN, Engine = 65535, Parameters =	scdiag	04-041/07:00:00.0
18412	M1O	04-041/07:12:18.8		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-041/07:00:01.1
18413	M1O	04-041/07:12:19.8		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-041/07:00:02.1
18414	M1O	04-041/07:13:20.8		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-041/07:01:03.0
18415	M1O	04-041/07:13:21.0		NOTE: Start Block fsw_diag		04-041/07:01:03.2
18416	M1O	04-041/07:13:22.0		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-041/07:01:04.2
18417	M1O	04-041/07:13:23.0		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	04-041/07:01:05.2
18418	M1O	04-041/07:13:34.0		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	04-041/07:01:16.2
18419	M1O	04-041/07:14:04.0		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-041/07:01:46.2
18420	M1O	04-041/07:14:24.0		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-041/07:02:06.2
18421	M1O	04-041/07:14:34.0		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-041/07:02:16.2
18422	M1O	04-041/07:14:54.0		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-041/07:02:36.2
18423	M1O	04-041/07:15:04.0		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-041/07:02:46.2
18424	M1O	04-041/07:15:09.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-041/07:02:51.2
18425	M1O	04-041/07:15:14.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-041/07:02:56.2
18426	M1O	04-041/07:15:19.0		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-041/07:03:01.2
18427	M1O	04-041/07:15:24.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-041/07:03:06.2
18428	M1O	04-041/07:15:29.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-041/07:03:11.2
18429	M1O	04-041/07:15:35.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-041/07:03:17.5
18430	M1O	04-041/07:15:35.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18431	M1O	04-041/07:15:36.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-041/07:03:18.5
18432	M1O	04-041/07:16:09.0		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-041/07:03:51.2
18433	M1O	04-041/07:16:14.0		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-041/07:03:56.2
18434	M1O	04-041/07:16:19.0		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-041/07:04:01.2
18435	M1O	04-041/07:16:24.0		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-041/07:04:06.2
18436	M1O	04-041/07:16:29.0		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-041/07:04:11.2
18437	M1O	04-041/07:16:30.0		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-041/07:04:12.2
18438	M1O	04-041/07:16:31.0		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-041/07:04:13.2
18439	M1O	04-041/07:16:32.0		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-041/07:04:14.2
18440	M1O	04-041/07:16:43.0		NOTE: End Block fsw_diag.mod		04-041/07:04:25.2
18441	M1O	04-041/07:19:42.9		NOTE: Exit Solar Eclipse 9569		04-041/07:07:25.0
18442	M1O	04-041/07:36:40.3		NOTE: Apoapsis 9569 -		04-041/07:24:22.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18443	M1O	04-041/07:38:52.1		NOTE: North Pole Crossing 9569		04-041/07:26:34.2
18444	M1O	04-041/08:08:47.0		NOTE: Descending Node Crossing 9570		04-041/07:56:29.0
18445	M1O	04-041/08:36:55.6		NOTE: Periapsis 9570 ----------		04-041/08:24:37.6
18446	M1O	04-041/08:38:06.7		NOTE: South Pole Crossing 9570		04-041/08:25:48.7
18447	M1O	04-041/08:59:59.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
18448	M1O	04-041/09:06:17.2		NOTE: Enter Solar Eclipse 9570		04-041/08:53:59.1
18449	M1O	04-041/09:07:29.5		NOTE: Ascending Node Crossing 9570		04-041/08:55:11.3
18450	M1O	04-041/09:09:59.0	43	Range Modulation Off		
18451	M1O	04-041/09:14:59.0	43	X-Band Transmitter Off		
18452	M1O	04-041/09:18:21.0		NOTE: Exit Solar Eclipse 9570		04-041/09:06:02.8
18453	M1O	04-041/09:35:40.3		NOTE: Apoapsis 9570 -		04-041/09:23:22.0
18454	M1O	04-041/09:37:27.9		NOTE: North Pole Crossing 9570		04-041/09:25:09.6
18455	M1O	04-041/09:38:32.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-041/09:26:14.4
18456	M1O	04-041/09:38:34.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/09:26:16.5
18457	M1O	04-041/09:38:34.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18458	M1O	04-041/09:38:35.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/09:26:17.5
18459	M1O	04-041/09:39:35.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18460	M1O	04-041/09:44:34.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-041/09:32:16.5
18461	M1O	04-041/09:44:34.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18462	M1O	04-041/09:44:35.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-041/09:32:17.5
18463	M1O	04-041/09:45:00.0	55	Begin Pre-Cal		
18464	M1O	04-041/09:45:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18465	M1O	04-041/09:45:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18466	M1O	04-041/09:45:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18467	M1O	04-041/09:45:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18468	M1O	04-041/09:45:00.0	55	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18469	M1O	04-041/09:45:00.0	55	Config: RCV: Parms:		
18470	M1O	04-041/09:45:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18471	M1O	04-041/09:45:00.0	55	Config: TGC: BAND=X, SR=221200.000000		
18472	M1O	04-041/09:45:00.0	55	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18473	M1O	04-041/10:07:23.0		NOTE: Descending Node Crossing 9571		04-041/09:55:04.6
18474	M1O	04-041/10:35:37.0		NOTE: Periapsis 9571 ----------		04-041/10:23:18.5
18475	M1O	04-041/10:36:41.6		NOTE: South Pole Crossing 9571		04-041/10:24:23.1
18476	M1O	04-041/11:04:47.6		NOTE: Enter Solar Eclipse 9571		04-041/10:52:29.1
18477	M1O	04-041/11:06:03.0		NOTE: Ascending Node Crossing 9571		04-041/10:53:44.5
18478	M1O	04-041/11:15:00.0	55	Begin Tracking		
18479	M1O	04-041/11:15:00.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18480	M1O	04-041/11:16:57.5		NOTE: Exit Solar Eclipse 9571		04-041/11:04:38.9
18481	M1O	04-041/11:19:09.0	43	NOTE: Below Uplink Interlock Limit		
18482	M1O	04-041/11:23:58.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-041/11:11:40.3
18483	M1O	04-041/11:24:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/11:11:42.4
18484	M1O	04-041/11:24:01.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18485	M1O	04-041/11:24:01.0	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18486	M1O	04-041/11:24:02.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/11:11:43.4
18487	M1O	04-041/11:25:00.0	43	End Tracking		
18488	M1O	04-041/11:25:00.9		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-041/11:12:42.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18489	M1O	04-041/11:25:00.9		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	04-041/11:12:42.3
18490	M1O	04-041/11:25:00.9	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18491	M1O	04-041/11:25:06.9		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-041/11:12:48.3
18492	M1O	04-041/11:25:06.9	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18493	M1O	04-041/11:30:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-041/11:17:42.4
18494	M1O	04-041/11:30:01.1	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18495	M1O	04-041/11:30:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-041/11:17:43.4
18496	M1O	04-041/11:34:03.6		NOTE: Apoapsis 9571 -		04-041/11:21:45.0
18497	M1O	04-041/11:36:01.2		NOTE: North Pole Crossing 9571		04-041/11:23:42.6
18498	M1O	04-041/11:40:00.0	43	End Post-Cal		
18499	M1O	04-041/12:05:55.9		NOTE: Descending Node Crossing 9572		04-041/11:53:37.2
18500	M1O	04-041/12:33:49.8		NOTE: Periapsis 9572 ----------		04-041/12:21:31.0
18501	M1O	04-041/12:35:13.5		NOTE: South Pole Crossing 9572		04-041/12:22:54.6
18502	M1O	04-041/13:00:00.0	63	Begin Pre-Cal		
18503	M1O	04-041/13:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18504	M1O	04-041/13:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18505	M1O	04-041/13:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18506	M1O	04-041/13:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18507	M1O	04-041/13:00:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
18508	M1O	04-041/13:00:00.0	63	Config: RCV: Parms:		
18509	M1O	04-041/13:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18510	M1O	04-041/13:00:00.0	63	Config: TGC: BAND=X, SR=79632.000000		
18511	M1O	04-041/13:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18512	M1O	04-041/13:03:19.9		NOTE: Enter Solar Eclipse 9572		04-041/12:51:01.0
18513	M1O	04-041/13:04:34.5		NOTE: Ascending Node Crossing 9572		04-041/12:52:15.6
18514	M1O	04-041/13:15:29.8		NOTE: Exit Solar Eclipse 9572		04-041/13:03:10.8
18515	M1O	04-041/13:32:08.5		NOTE: Apoapsis 9572 -		04-041/13:19:49.5
18516	M1O	04-041/13:34:32.1		NOTE: North Pole Crossing 9572		04-041/13:22:13.1
18517	M1O	04-041/14:04:25.8		NOTE: Descending Node Crossing 9573		04-041/13:52:06.7
18518	M1O	04-041/14:32:02.5		NOTE: Periapsis 9573 ----------		04-041/14:19:43.3
18519	M1O	04-041/14:33:43.9		NOTE: South Pole Crossing 9573		04-041/14:21:24.7
18520	M1O	04-041/14:43:58.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-041/14:31:39.2
18521	M1O	04-041/14:44:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/14:31:41.3
18522	M1O	04-041/14:44:00.5	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18523	M1O	04-041/14:44:01.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/14:31:42.3
18524	M1O	04-041/14:44:54.4		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-041/14:32:35.2
18525	M1O	04-041/14:44:54.4	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18526	M1O	04-041/14:45:00.0	63	Begin Tracking		
18527	M1O	04-041/14:45:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18528	M1O	04-041/14:45:00.4		NOTE: Changing to 70M downlink rate: 110600_BPS		04-041/14:32:41.2
18529	M1O	04-041/14:45:00.4		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	04-041/14:32:41.2
18530	M1O	04-041/14:45:00.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18531	M1O	04-041/14:45:00.4	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18532	M1O	04-041/14:50:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-041/14:37:41.3
18533	M1O	04-041/14:50:00.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18534	M1O	04-041/14:50:00.6	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18535	M1O	04-041/14:50:01.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-041/14:37:42.3
18536	M1O	04-041/15:01:54.5		NOTE: Enter Solar Eclipse 9573		04-041/14:49:35.2
18537	M1O	04-041/15:03:06.1		NOTE: Ascending Node Crossing 9573		04-041/14:50:46.8
18538	M1O	04-041/15:13:56.2		NOTE: Exit Solar Eclipse 9573		04-041/15:01:36.9
18539	M1O	04-041/15:30:43.1		NOTE: Apoapsis 9573 -		04-041/15:18:23.8
18540	M1O	04-041/15:33:04.0		NOTE: North Pole Crossing 9573		04-041/15:20:44.6
18541	M1O	04-041/15:35:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18542	M1O	04-041/15:40:00.0	55	Range Modulation On: SUP=3.0dB		
18543	M1O	04-041/15:41:00.0	55	Begin Ranging Acquisition		
18544	M1O	04-041/15:58:36.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-041/15:46:16.6
18545	M1O	04-041/15:58:38.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/15:46:18.7
18546	M1O	04-041/15:58:38.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18547	M1O	04-041/15:58:38.1	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18548	M1O	04-041/15:58:39.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/15:46:19.7
18549	M1O	04-041/15:59:38.8	63	Acquire D/L: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18550	M1O	04-041/15:59:38.8	55	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18551	M1O	04-041/16:02:58.0		NOTE: Descending Node Crossing 9574		04-041/15:50:38.5
18552	M1O	04-041/16:04:38.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-041/15:52:18.7
18553	M1O	04-041/16:04:38.2	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		
18554	M1O	04-041/16:04:38.2	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18555	M1O	04-041/16:04:39.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-041/15:52:19.7
18556	M1O	04-041/16:30:37.2		NOTE: Periapsis 9574 ----------		04-041/16:18:17.6
18557	M1O	04-041/16:32:16.8		NOTE: South Pole Crossing 9574		04-041/16:19:57.3
18558	M1O	04-041/17:00:29.6		NOTE: Enter Solar Eclipse 9574		04-041/16:48:09.9
18559	M1O	04-041/17:01:39.8		NOTE: Ascending Node Crossing 9574		04-041/16:49:20.1
18560	M1O	04-041/17:12:23.2		NOTE: Exit Solar Eclipse 9574		04-041/17:00:03.4
18561	M1O	04-041/17:29:32.6		NOTE: Apoapsis 9574 -		04-041/17:17:12.8
18562	M1O	04-041/17:31:39.0		NOTE: North Pole Crossing 9574		04-041/17:19:19.3
18563	M1O	04-041/17:50:20.2	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
18564	M1O	04-041/17:55:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
18565	M1O	04-041/18:01:34.4		NOTE: Descending Node Crossing 9575		04-041/17:49:14.6
18566	M1O	04-041/18:05:00.0	55	Range Modulation Off		
18567	M1O	04-041/18:10:00.0	55	X-Band Transmitter Off		
18568	M1O	04-041/18:15:00.0	55	End Tracking		
18569	M1O	04-041/18:15:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18570	M1O	04-041/18:20:00.0	63	Range Modulation On: SUP=3.0dB		
18571	M1O	04-041/18:21:00.0	63	Begin Ranging Acquisition		
18572	M1O	04-041/18:29:23.3		NOTE: Periapsis 9575 ----------		04-041/18:17:03.3
18573	M1O	04-041/18:30:00.0	55	End Post-Cal		
18574	M1O	04-041/18:30:53.3		NOTE: South Pole Crossing 9575		04-041/18:18:33.3
18575	M1O	04-041/18:33:37.7		SPAWN, Engine = 65535, Parameters = 3, 00:11:00, 1	dpt	04-041/18:21:17.7
18576	M1O	04-041/18:33:39.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/18:21:19.8
18577	M1O	04-041/18:33:39.8	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18578	M1O	04-041/18:33:40.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/18:21:20.8
18579	M1O	04-041/18:34:39.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18580	M1O	04-041/18:39:39.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18581	M1O	04-041/18:44:39.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-041/18:32:19.8
18582	M1O	04-041/18:44:39.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18583	M1O	04-041/18:44:40.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-041/18:32:20.8
18584	M1O	04-041/18:59:04.8		NOTE: Enter Solar Eclipse 9575		04-041/18:46:44.8
18585	M1O	04-041/19:00:15.8		NOTE: Ascending Node Crossing 9575		04-041/18:47:55.8
18586	M1O	04-041/19:10:55.5		NOTE: Exit Solar Eclipse 9575		04-041/18:58:35.4
18587	M1O	04-041/19:28:05.9		NOTE: Apoapsis 9575 -		04-041/19:15:45.7
18588	M1O	04-041/19:30:15.4		NOTE: North Pole Crossing 9575		04-041/19:17:55.3
18589	M1O	04-041/20:00:11.3		NOTE: Descending Node Crossing 9576		04-041/19:47:51.0
18590	M1O	04-041/20:27:56.1		NOTE: Periapsis 9576 ----------		04-041/20:15:35.7
18591	M1O	04-041/20:29:30.1		NOTE: South Pole Crossing 9576		04-041/20:17:09.7
18592	M1O	04-041/20:57:41.8		NOTE: Enter Solar Eclipse 9576		04-041/20:45:21.4
18593	M1O	04-041/20:58:52.5		NOTE: Ascending Node Crossing 9576		04-041/20:46:32.1
18594	M1O	04-041/21:09:32.3		NOTE: Exit Solar Eclipse 9576		04-041/20:57:11.8
18595	M1O	04-041/21:10:00.0	14	Begin Pre-Cal		
18596	M1O	04-041/21:10:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
18597	M1O	04-041/21:10:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18598	M1O	04-041/21:10:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18599	M1O	04-041/21:10:00.0	14	At BOT: S/C Transmitter Status: PWR=OFF, EXC=1, PWR=OFF, EXC=2		
18600	M1O	04-041/21:10:00.0	14	Config: RCV: Parms:		
18601	M1O	04-041/21:10:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18602	M1O	04-041/21:10:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
18603	M1O	04-041/21:10:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18604	M1O	04-041/21:26:19.7		NOTE: Apoapsis 9576 -		04-041/21:13:59.2
18605	M1O	04-041/21:28:51.5		NOTE: North Pole Crossing 9576		04-041/21:16:31.0
18606	M1O	04-041/21:35:00.0	24	Begin Pre-Cal		
18607	M1O	04-041/21:35:00.0	24	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
18608	M1O	04-041/21:35:00.0	24	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18609	M1O	04-041/21:35:00.0	24	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18610	M1O	04-041/21:35:00.0	24	At BOT: S/C Transmitter Status: PWR=OFF, EXC=1, PWR=OFF, EXC=2		
18611	M1O	04-041/21:35:00.0	24	Config: RCV: Parms:		
18612	M1O	04-041/21:35:00.0	24	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18613	M1O	04-041/21:35:00.0	24	Config: TGC: BAND=X, SR=221200.000000		
18614	M1O	04-041/21:35:00.0	24	Config: TXL		
18615	M1O	04-041/21:35:00.0	24	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
18616	M1O	04-041/21:35:00.0	24	Config: CMD		
18617	M1O	04-041/21:35:00.0	24	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
18618	M1O	04-041/21:43:27.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
18619	M1O	04-041/21:53:27.0	63	Range Modulation Off		
18620	M1O	04-041/21:58:27.0	63	X-Band Transmitter Off		
18621	M1O	04-041/21:58:46.5		NOTE: Descending Node Crossing 9577		04-041/21:46:25.9
18622	M1O	04-041/22:11:46.6		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-041/21:59:26.0
18623	M1O	04-041/22:11:46.7		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-041/21:59:26.1
18624	M1O	04-041/22:11:47.7		Forces a desaturation of the reaction wheels.	RW_DESAT	04-041/21:59:27.1
18625	M1O	04-041/22:14:57.6		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	04-041/22:02:37.0
18626	M1O	04-041/22:15:13.4		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	04-041/22:02:52.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 38, 2004-039T22:02:37.100, 2004-041T22:02:37.100		
18627	M1O	04-041/22:15:14.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-039T22:02:37.100, 2004-041T22:02:37.100	PCKTS_RE_TX_TIME	04-041/22:02:53.8
18628	M1O	04-041/22:15:15.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-039T22:02:37.100, 2004-041T22:02:37.100	PCKTS_RE_TX_TIME	04-041/22:02:54.8
18629	M1O	04-041/22:15:16.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-039T22:02:37.100, 2004-041T22:02:37.100	PCKTS_RE_TX_TIME	04-041/22:02:55.8
18630	M1O	04-041/22:15:17.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-039T22:02:37.100, 2004-041T22:02:37.100	PCKTS_RE_TX_TIME	04-041/22:02:56.8
18631	M1O	04-041/22:15:18.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-039T22:02:37.100, 2004-041T22:02:37.100	PCKTS_RE_TX_TIME	04-041/22:02:57.8
18632	M1O	04-041/22:15:18.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-041/22:02:57.8
18633	M1O	04-041/22:15:18.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18634	M1O	04-041/22:18:02.0	63	NOTE: Below Uplink Interlock Limit		
18635	M1O	04-041/22:22:19.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/22:09:58.8
18636	M1O	04-041/22:22:19.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18637	M1O	04-041/22:22:20.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/22:09:59.8
18638	M1O	04-041/22:22:50.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	04-041/22:10:29.8
18639	M1O	04-041/22:22:50.5	63	NOTE: Loss Of X-Band Signal		
18640	M1O	04-041/22:23:00.5		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	04-041/22:10:39.8
18641	M1O	04-041/22:23:01.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-041/22:10:40.8
18642	M1O	04-041/22:23:02.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-041/22:10:41.8
18643	M1O	04-041/22:23:17.8		CALL, Engine = , Parameters = FALSE	park_hga	04-041/22:10:57.1
18644	M1O	04-041/22:23:17.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/22:10:57.1
18645	M1O	04-041/22:23:18.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-041/22:10:58.1
18646	M1O	04-041/22:23:19.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-041/22:10:59.1
18647	M1O	04-041/22:23:19.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-041/22:10:59.1
18648	M1O	04-041/22:23:19.8		NOTE: START HGA PARK		
18649	M1O	04-041/22:23:20.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-041/22:11:00.1
18650	M1O	04-041/22:23:21.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-041/22:11:01.1
18651	M1O	04-041/22:25:00.0	14	Begin Tracking		
18652	M1O	04-041/22:26:29.9		NOTE: Periapsis 9577 ----------		04-041/22:14:09.2
18653	M1O	04-041/22:27:51.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-041/22:15:31.1
18654	M1O	04-041/22:28:05.4		NOTE: South Pole Crossing 9577		04-041/22:15:44.6
18655	M1O	04-041/22:31:21.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-041/22:19:01.1
18656	M1O	04-041/22:31:21.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-041/22:19:01.1
18657	M1O	04-041/22:35:00.0	24	Begin Tracking		
18658	M1O	04-041/22:55:10.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18659	M1O	04-041/22:56:17.0		NOTE: Enter Solar Eclipse 9577		04-041/22:43:56.2
18660	M1O	04-041/22:57:27.8		NOTE: Ascending Node Crossing 9577		04-041/22:45:07.0
18661	M1O	04-041/23:00:00.0	63	End Tracking		
18662	M1O	04-041/23:00:10.0	24	Range Modulation On: SUP=3.0dB		
18663	M1O	04-041/23:01:10.0	24	Begin Ranging Acquisition		
18664	M1O	04-041/23:01:21.8		GV: GV_DESAT_ACTIVE = 1		04-041/22:49:01.0
18665	M1O	04-041/23:01:22.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-041/22:49:02.0
18666	M1O	04-041/23:01:22.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-041/22:49:02.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18667	M1O	04-041/23:08:11.3		NOTE: Exit Solar Eclipse 9577		04-041/22:55:50.5
18668	M1O	04-041/23:11:21.8		GV: GV_DESAT_ACTIVE = 0		04-041/22:59:01.0
18669	M1O	04-041/23:11:22.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-041/22:59:02.0
18670	M1O	04-041/23:11:23.8		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-041/22:59:03.0
18671	M1O	04-041/23:11:24.8		CALL, Engine = , Parameters =	unpark_hga	04-041/22:59:04.0
18672	M1O	04-041/23:11:24.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-041/22:59:04.0
18673	M1O	04-041/23:11:25.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-041/22:59:05.0
18674	M1O	04-041/23:15:00.0	63	End Post-Cal		
18675	M1O	04-041/23:15:55.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-041/23:03:35.0
18676	M1O	04-041/23:15:56.8		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-041/23:03:36.0
18677	M1O	04-041/23:19:21.8		SPAWN, Engine = 65535, Parameters = 00:05:03.758	cstr	04-041/23:07:01.0
18678	M1O	04-041/23:19:21.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-041/23:07:01.1
18679	M1O	04-041/23:19:22.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-041/23:07:02.1
18680	M1O	04-041/23:19:23.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-041/23:07:03.1
18681	M1O	04-041/23:19:24.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-041/23:07:04.1
18682	M1O	04-041/23:19:25.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-041/23:07:05.1
18683	M1O	04-041/23:19:35.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-041/23:07:15.1
18684	M1O	04-041/23:19:45.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-041/23:07:25.1
18685	M1O	04-041/23:19:56.8		NOTE: EXIT HGA PARK		
18686	M1O	04-041/23:19:56.8	14	Acquisition Of X-Band Signal		
18687	M1O	04-041/23:19:56.8	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		
18688	M1O	04-041/23:19:56.8	24	Acquisition Of X-Band Signal		
18689	M1O	04-041/23:19:56.8	24	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18690	M1O	04-041/23:24:44.7		NOTE: Apoapsis 9577 -		04-041/23:12:23.8
18691	M1O	04-041/23:24:49.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-041/23:12:28.8
18692	M1O	04-041/23:24:50.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-041/23:12:29.8
18693	M1O	04-041/23:24:50.7	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		
18694	M1O	04-041/23:24:50.7	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18695	M1O	04-041/23:24:51.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-041/23:12:30.8
18696	M1O	04-041/23:27:25.6		NOTE: North Pole Crossing 9577		04-041/23:15:04.7
18697	M1O	04-041/23:57:19.3		NOTE: Descending Node Crossing 9578		04-041/23:44:58.3
18698	M1O	04-042/00:00:00.0		Light Time: OWLT = 12:21, RTLT = 24:42		
18699	M1O	04-042/00:25:03.8		NOTE: Periapsis 9578 ----------		04-042/00:12:42.7
18700	M1O	04-042/00:26:37.7		NOTE: South Pole Crossing 9578		04-042/00:14:16.7
18701	M1O	04-042/00:54:48.3		NOTE: Enter Solar Eclipse 9578		04-042/00:42:27.1
18702	M1O	04-042/00:55:59.8		NOTE: Ascending Node Crossing 9578		04-042/00:43:38.6
18703	M1O	04-042/01:06:45.7		NOTE: Exit Solar Eclipse 9578		04-042/00:54:24.5
18704	M1O	04-042/01:23:28.7		NOTE: Apoapsis 9578 -		04-042/01:11:07.4
18705	M1O	04-042/01:25:57.2		NOTE: North Pole Crossing 9578		04-042/01:13:35.9
18706	M1O	04-042/01:30:00.0	43	Begin Pre-Cal		
18707	M1O	04-042/01:30:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18708	M1O	04-042/01:30:00.0	43	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
18709	M1O	04-042/01:30:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18710	M1O	04-042/01:30:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18711	M1O	04-042/01:30:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18712	M1O	04-042/01:30:00.0	43	Config: RCV: Parms:		
18713	M1O	04-042/01:30:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18714	M1O	04-042/01:30:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
18715	M1O	04-042/01:30:00.0	43	Config: TXL		
18716	M1O	04-042/01:30:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
18717	M1O	04-042/01:30:00.0	43	Config: CMD		
18718	M1O	04-042/01:30:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
18719	M1O	04-042/01:55:50.6		NOTE: Descending Node Crossing 9579		04-042/01:43:29.2
18720	M1O	04-042/02:23:27.9		NOTE: Periapsis 9579 ----------		04-042/02:11:06.5
18721	M1O	04-042/02:25:08.2		NOTE: South Pole Crossing 9579		04-042/02:12:46.7
18722	M1O	04-042/02:30:00.0	43	Begin Tracking		
18723	M1O	04-042/02:30:00.0	43	Acquire D/L: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18724	M1O	04-042/02:35:16.8	24	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
18725	M1O	04-042/02:40:00.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
18726	M1O	04-042/02:50:00.0	24	Range Modulation Off		
18727	M1O	04-042/02:53:20.0		NOTE: Enter Solar Eclipse 9579		04-042/02:40:58.4
18728	M1O	04-042/02:54:29.8		NOTE: Ascending Node Crossing 9579		04-042/02:42:08.3
18729	M1O	04-042/02:55:00.0	24	X-Band Transmitter Off		
18730	M1O	04-042/02:55:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18731	M1O	04-042/03:00:00.0	14	End Tracking		
18732	M1O	04-042/03:00:00.0	14	End Post-Cal		
18733	M1O	04-042/03:00:00.0	24	End Tracking		
18734	M1O	04-042/03:00:00.0	43	Range Modulation On: SUP=3.0dB		
18735	M1O	04-042/03:01:00.0	43	Begin Ranging Acquisition		
18736	M1O	04-042/03:05:09.7		NOTE: Exit Solar Eclipse 9579		04-042/02:52:48.1
18737	M1O	04-042/03:15:00.0	24	End Post-Cal		
18738	M1O	04-042/03:18:41.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-042/03:06:20.0
18739	M1O	04-042/03:18:41.6	43	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18740	M1O	04-042/03:19:43.1	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18741	M1O	04-042/03:21:52.9		NOTE: Apoapsis 9579 -		04-042/03:09:31.3
18742	M1O	04-042/03:24:28.3		NOTE: North Pole Crossing 9579		04-042/03:12:06.7
18743	M1O	04-042/03:24:46.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-042/03:12:25.0
18744	M1O	04-042/03:24:46.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18745	M1O	04-042/03:54:22.6		NOTE: Descending Node Crossing 9580		04-042/03:42:00.9
18746	M1O	04-042/04:21:39.1		NOTE: Periapsis 9580 ----------		04-042/04:09:17.3
18747	M1O	04-042/04:23:40.6		NOTE: South Pole Crossing 9580		04-042/04:11:18.7
18748	M1O	04-042/04:51:58.5		NOTE: Enter Solar Eclipse 9580		04-042/04:39:36.5
18749	M1O	04-042/04:53:03.3		NOTE: Ascending Node Crossing 9580		04-042/04:40:41.3
18750	M1O	04-042/05:03:34.0		NOTE: Exit Solar Eclipse 9580		04-042/04:51:12.0
18751	M1O	04-042/05:20:11.1		NOTE: Apoapsis 9580 -		04-042/05:07:49.0
18752	M1O	04-042/05:23:02.5		NOTE: North Pole Crossing 9580		04-042/05:10:40.5
18753	M1O	04-042/05:52:57.2		NOTE: Descending Node Crossing 9581		04-042/05:40:35.1
18754	M1O	04-042/06:20:26.8		NOTE: Periapsis 9581 ----------		04-042/06:08:04.6
18755	M1O	04-042/06:22:16.6		NOTE: South Pole Crossing 9581		04-042/06:09:54.4
18756	M1O	04-042/06:50:35.9		NOTE: Enter Solar Eclipse 9581		04-042/06:38:13.6
18757	M1O	04-042/06:51:40.2		NOTE: Ascending Node Crossing 9581		04-042/06:39:17.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18758	M1O	04-042/07:02:08.9		NOTE: Exit Solar Eclipse 9581		04-042/06:49:46.5
18759	M1O	04-042/07:12:22.3		SPAWN, Engine = 65535, Parameters =	scdiag	04-042/07:00:00.0
18760	M1O	04-042/07:12:23.4		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-042/07:00:01.1
18761	M1O	04-042/07:12:24.4		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-042/07:00:02.1
18762	M1O	04-042/07:13:25.3		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	04-042/07:01:03.0
18763	M1O	04-042/07:13:25.5		NOTE: Start Block fsw_diag		04-042/07:01:03.2
18764	M1O	04-042/07:13:26.5		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	04-042/07:01:04.2
18765	M1O	04-042/07:13:27.5		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	04-042/07:01:05.2
18766	M1O	04-042/07:13:38.5		NOTE: End Block fsw_diag.mod		04-042/07:01:16.2
18767	M1O	04-042/07:14:38.3		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-042/07:02:16.0
18768	M1O	04-042/07:14:38.5		NOTE: Start Block fsw_diag		04-042/07:02:16.2
18769	M1O	04-042/07:14:39.5		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-042/07:02:17.2
18770	M1O	04-042/07:14:40.5		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	04-042/07:02:18.2
18771	M1O	04-042/07:14:51.5		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	04-042/07:02:29.2
18772	M1O	04-042/07:15:21.5		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-042/07:02:59.2
18773	M1O	04-042/07:15:41.6		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-042/07:03:19.2
18774	M1O	04-042/07:15:51.6		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-042/07:03:29.2
18775	M1O	04-042/07:16:11.6		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-042/07:03:49.2
18776	M1O	04-042/07:16:21.6		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-042/07:03:59.2
18777	M1O	04-042/07:16:26.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-042/07:04:04.2
18778	M1O	04-042/07:16:31.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-042/07:04:09.2
18779	M1O	04-042/07:16:36.6		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-042/07:04:14.2
18780	M1O	04-042/07:16:41.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-042/07:04:19.2
18781	M1O	04-042/07:16:46.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-042/07:04:24.2
18782	M1O	04-042/07:17:26.6		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-042/07:05:04.2
18783	M1O	04-042/07:17:31.6		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-042/07:05:09.2
18784	M1O	04-042/07:17:36.6		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-042/07:05:14.2
18785	M1O	04-042/07:17:41.6		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-042/07:05:19.2
18786	M1O	04-042/07:17:46.6		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-042/07:05:24.2
18787	M1O	04-042/07:17:47.6		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-042/07:05:25.2
18788	M1O	04-042/07:17:48.6		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-042/07:05:26.2
18789	M1O	04-042/07:17:49.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-042/07:05:27.2
18790	M1O	04-042/07:18:00.6		NOTE: End Block fsw_diag.mod		04-042/07:05:38.2
18791	M1O	04-042/07:19:08.0		NOTE: Apoapsis 9581 -		04-042/07:06:45.6
18792	M1O	04-042/07:21:38.9		NOTE: North Pole Crossing 9581		04-042/07:09:16.4
18793	M1O	04-042/07:51:33.6		NOTE: Descending Node Crossing 9582		04-042/07:39:11.1
18794	M1O	04-042/08:19:31.0		NOTE: Periapsis 9582 ----------		04-042/08:07:08.4
18795	M1O	04-042/08:20:53.7		NOTE: South Pole Crossing 9582		04-042/08:08:31.1
18796	M1O	04-042/08:49:09.8		NOTE: Enter Solar Eclipse 9582		04-042/08:36:47.1
18797	M1O	04-042/08:50:17.0		NOTE: Ascending Node Crossing 9582		04-042/08:37:54.3
18798	M1O	04-042/09:00:47.3		NOTE: Exit Solar Eclipse 9582		04-042/08:48:24.6
18799	M1O	04-042/09:18:18.5		NOTE: Apoapsis 9582 -		04-042/09:05:55.7
18800	M1O	04-042/09:20:15.3		NOTE: North Pole Crossing 9582		04-042/09:07:52.5
18801	M1O	04-042/09:45:00.0	54	Begin Pre-Cal		
18802	M1O	04-042/09:45:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18803	M1O	04-042/09:45:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18804	M1O	04-042/09:45:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18805	M1O	04-042/09:45:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18806	M1O	04-042/09:45:00.0	54	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18807	M1O	04-042/09:45:00.0	54	Config: RCV: Parms:		
18808	M1O	04-042/09:45:00.0	54	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18809	M1O	04-042/09:45:00.0	54	Config: TGC: BAND=X, SR=221200.000000		
18810	M1O	04-042/09:45:00.0	54	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18811	M1O	04-042/09:50:10.4		NOTE: Descending Node Crossing 9583		04-042/09:37:47.5
18812	M1O	04-042/10:18:26.3		NOTE: Periapsis 9583 ----------		04-042/10:06:03.3
18813	M1O	04-042/10:19:29.8		NOTE: South Pole Crossing 9583		04-042/10:07:06.8
18814	M1O	04-042/10:47:41.1		NOTE: Enter Solar Eclipse 9583		04-042/10:35:18.0
18815	M1O	04-042/10:48:52.1		NOTE: Ascending Node Crossing 9583		04-042/10:36:29.0
18816	M1O	04-042/10:50:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
18817	M1O	04-042/10:59:25.6		NOTE: Exit Solar Eclipse 9583		04-042/10:47:02.5
18818	M1O	04-042/11:00:00.0	54	Begin Tracking		
18819	M1O	04-042/11:00:00.0	54	Acquire D/L: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18820	M1O	04-042/11:00:00.0	43	Range Modulation Off		
18821	M1O	04-042/11:05:00.0	43	X-Band Transmitter Off		
18822	M1O	04-042/11:05:13.6	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
18823	M1O	04-042/11:10:17.0	54	NOTE: Above Uplink Interlock Limit		
18824	M1O	04-042/11:16:53.0	43	NOTE: Below Uplink Interlock Limit		
18825	M1O	04-042/11:17:00.6		NOTE: Apoapsis 9583 -		04-042/11:04:37.4
18826	M1O	04-042/11:18:50.2		NOTE: North Pole Crossing 9583		04-042/11:06:27.0
18827	M1O	04-042/11:28:43.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:15.747, 1	dpt	04-042/11:16:20.0
18828	M1O	04-042/11:28:45.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-042/11:16:22.1
18829	M1O	04-042/11:28:45.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18830	M1O	04-042/11:28:45.3	54	D/L Change: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18831	M1O	04-042/11:28:46.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-042/11:16:23.1
18832	M1O	04-042/11:29:46.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18833	M1O	04-042/11:29:46.2	54	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18834	M1O	04-042/11:30:00.0	43	End Tracking		
18835	M1O	04-042/11:30:01.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-042/11:17:37.8
18836	M1O	04-042/11:30:01.0		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	04-042/11:17:37.8
18837	M1O	04-042/11:30:01.0	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18838	M1O	04-042/11:30:07.0		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-042/11:17:43.8
18839	M1O	04-042/11:30:07.0	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18840	M1O	04-042/11:35:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-042/11:22:37.9
18841	M1O	04-042/11:35:01.1	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18842	M1O	04-042/11:35:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-042/11:22:38.9
18843	M1O	04-042/11:45:00.0	43	End Post-Cal		
18844	M1O	04-042/11:48:45.0		NOTE: Descending Node Crossing 9584		04-042/11:36:21.7
18845	M1O	04-042/12:16:50.5		NOTE: Periapsis 9584 ----------		04-042/12:04:27.1
18846	M1O	04-042/12:18:03.2		NOTE: South Pole Crossing 9584		04-042/12:05:39.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18847	M1O	04-042/12:46:12.4		NOTE: Enter Solar Eclipse 9584		04-042/12:33:49.0
18848	M1O	04-042/12:47:24.6		NOTE: Ascending Node Crossing 9584		04-042/12:35:01.1
18849	M1O	04-042/12:58:00.2		NOTE: Exit Solar Eclipse 9584		04-042/12:45:36.7
18850	M1O	04-042/13:15:09.3		NOTE: Apoapsis 9584 -		04-042/13:02:45.8
18851	M1O	04-042/13:17:22.3		NOTE: North Pole Crossing 9584		04-042/13:04:58.7
18852	M1O	04-042/13:47:16.3		NOTE: Descending Node Crossing 9585		04-042/13:34:52.7
18853	M1O	04-042/14:15:00.9		NOTE: Periapsis 9585 ----------		04-042/14:02:37.2
18854	M1O	04-042/14:16:34.3		NOTE: South Pole Crossing 9585		04-042/14:04:10.6
18855	M1O	04-042/14:44:46.1		NOTE: Enter Solar Eclipse 9585		04-042/14:32:22.3
18856	M1O	04-042/14:45:56.1		NOTE: Ascending Node Crossing 9585		04-042/14:33:32.2
18857	M1O	04-042/14:56:30.0		NOTE: Exit Solar Eclipse 9585		04-042/14:44:06.1
18858	M1O	04-042/15:00:00.0	63	Begin Pre-Cal		
18859	M1O	04-042/15:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18860	M1O	04-042/15:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18861	M1O	04-042/15:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18862	M1O	04-042/15:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18863	M1O	04-042/15:00:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
18864	M1O	04-042/15:00:00.0	63	Config: RCV: Parms:		
18865	M1O	04-042/15:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18866	M1O	04-042/15:00:00.0	63	Config: TGC: BAND=X, SR=79632.000000		
18867	M1O	04-042/15:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18868	M1O	04-042/15:13:35.0		NOTE: Apoapsis 9585 -		04-042/15:01:11.1
18869	M1O	04-042/15:15:53.4		NOTE: North Pole Crossing 9585		04-042/15:03:29.5
18870	M1O	04-042/15:30:00.0	55	Begin Pre-Cal		
18871	M1O	04-042/15:30:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18872	M1O	04-042/15:30:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18873	M1O	04-042/15:30:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18874	M1O	04-042/15:30:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18875	M1O	04-042/15:30:00.0	55	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
18876	M1O	04-042/15:30:00.0	55	Config: RCV: Parms:		
18877	M1O	04-042/15:30:00.0	55	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18878	M1O	04-042/15:30:00.0	55	Config: TGC: BAND=X, SR=238896.000000		
18879	M1O	04-042/15:30:00.0	55	Config: TXL		
18880	M1O	04-042/15:30:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
18881	M1O	04-042/15:30:00.0	55	Config: CMD		
18882	M1O	04-042/15:30:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
18883	M1O	04-042/15:45:47.0		NOTE: Descending Node Crossing 9586		04-042/15:33:23.0
18884	M1O	04-042/16:00:00.0	55	Begin Tracking		
18885	M1O	04-042/16:00:00.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18886	M1O	04-042/16:01:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18887	M1O	04-042/16:06:00.0	55	Range Modulation On: SUP=3.0dB		
18888	M1O	04-042/16:07:00.0	55	Begin Ranging Acquisition		
18889	M1O	04-042/16:13:27.7		NOTE: Periapsis 9586 ----------		04-042/16:01:03.6
18890	M1O	04-042/16:15:05.8		NOTE: South Pole Crossing 9586		04-042/16:02:41.7
18891	M1O	04-042/16:24:45.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-042/16:12:21.2
18892	M1O	04-042/16:24:47.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-042/16:12:23.3
18893	M1O	04-042/16:24:47.4	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18894	M1O	04-042/16:24:47.4	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18895	M1O	04-042/16:24:48.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-042/16:12:24.3
18896	M1O	04-042/16:25:48.1	54	Acquire D/L: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18897	M1O	04-042/16:25:48.1	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18898	M1O	04-042/16:30:47.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-042/16:18:23.3
18899	M1O	04-042/16:30:47.4	54	D/L Change: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18900	M1O	04-042/16:30:47.4	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18901	M1O	04-042/16:30:48.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-042/16:18:24.3
18902	M1O	04-042/16:43:21.0		NOTE: Enter Solar Eclipse 9586		04-042/16:30:56.8
18903	M1O	04-042/16:43:58.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-042/16:31:34.6
18904	M1O	04-042/16:44:00.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-042/16:31:36.7
18905	M1O	04-042/16:44:00.9	54	D/L Change: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18906	M1O	04-042/16:44:00.9	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18907	M1O	04-042/16:44:01.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-042/16:31:37.7
18908	M1O	04-042/16:44:28.7		NOTE: Ascending Node Crossing 9586		04-042/16:32:04.4
18909	M1O	04-042/16:44:54.8		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-042/16:32:30.6
18910	M1O	04-042/16:44:54.8	54	D/L Change: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18911	M1O	04-042/16:44:54.8	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18912	M1O	04-042/16:45:00.0	63	Begin Tracking		
18913	M1O	04-042/16:45:00.0	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		
18914	M1O	04-042/16:45:00.8		NOTE: Changing to 70M downlink rate: 110600_BPS		04-042/16:32:36.6
18915	M1O	04-042/16:45:00.8		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	04-042/16:32:36.6
18916	M1O	04-042/16:45:00.8	54	D/L Change: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18917	M1O	04-042/16:45:00.8	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		
18918	M1O	04-042/16:45:00.8	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18919	M1O	04-042/16:50:00.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-042/16:37:36.7
18920	M1O	04-042/16:50:00.9	54	D/L Change: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18921	M1O	04-042/16:50:00.9	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		
18922	M1O	04-042/16:50:00.9	55	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18923	M1O	04-042/16:50:01.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-042/16:37:37.7
18924	M1O	04-042/16:54:55.2		NOTE: Exit Solar Eclipse 9586		04-042/16:42:31.0
18925	M1O	04-042/17:05:00.0	54	End Tracking		
18926	M1O	04-042/17:12:26.8		NOTE: Apoapsis 9586 -		04-042/17:00:02.5
18927	M1O	04-042/17:14:27.2		NOTE: North Pole Crossing 9586		04-042/17:02:02.9
18928	M1O	04-042/17:20:00.0	54	End Post-Cal		
18929	M1O	04-042/17:44:22.2		NOTE: Descending Node Crossing 9587		04-042/17:31:57.8
18930	M1O	04-042/18:12:15.2		NOTE: Periapsis 9587 ----------		04-042/17:59:50.7
18931	M1O	04-042/18:13:41.2		NOTE: South Pole Crossing 9587		04-042/18:01:16.7
18932	M1O	04-042/18:41:55.7		NOTE: Enter Solar Eclipse 9587		04-042/18:29:31.1
18933	M1O	04-042/18:43:03.8		NOTE: Ascending Node Crossing 9587		04-042/18:30:39.2
18934	M1O	04-042/18:53:24.8		NOTE: Exit Solar Eclipse 9587		04-042/18:41:00.2
18935	M1O	04-042/19:11:07.7		NOTE: Apoapsis 9587 -		04-042/18:58:43.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18936	M1O	04-042/19:13:03.3		NOTE: North Pole Crossing 9587		04-042/19:00:38.6
18937	M1O	04-042/19:20:10.4	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
18938	M1O	04-042/19:25:00.0	55	Range Modulation Off		
18939	M1O	04-042/19:30:00.0	63	U/L Transfer From DSS-55 to DSS-63: PWR=20.0, BR=125.0		
18940	M1O	04-042/19:35:00.0	63	Range Modulation On: SUP=3.0dB		
18941	M1O	04-042/19:36:00.0	63	Begin Ranging Acquisition		
18942	M1O	04-042/19:42:59.3		NOTE: Descending Node Crossing 9588		04-042/19:30:34.5
18943	M1O	04-042/19:45:00.0	55	End Tracking		
18944	M1O	04-042/19:54:49.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18945	M1O	04-042/20:00:00.0	55	End Post-Cal		
18946	M1O	04-042/20:10:54.4		NOTE: Periapsis 9588 ----------		04-042/19:58:29.5
18947	M1O	04-042/20:12:18.2		NOTE: South Pole Crossing 9588		04-042/19:59:53.3
18948	M1O	04-042/20:40:32.0		NOTE: Enter Solar Eclipse 9588		04-042/20:28:07.1
18949	M1O	04-042/20:41:40.5		NOTE: Ascending Node Crossing 9588		04-042/20:29:15.5
18950	M1O	04-042/20:51:59.9		NOTE: Exit Solar Eclipse 9588		04-042/20:39:34.9
18951	M1O	04-042/21:09:27.9		NOTE: Apoapsis 9588 -		04-042/20:57:02.9
18952	M1O	04-042/21:11:39.8		NOTE: North Pole Crossing 9588		04-042/20:59:14.7
18953	M1O	04-042/21:15:00.0	14	Begin Pre-Cal		
18954	M1O	04-042/21:15:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
18955	M1O	04-042/21:15:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18956	M1O	04-042/21:15:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18957	M1O	04-042/21:15:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18958	M1O	04-042/21:15:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18959	M1O	04-042/21:15:00.0	14	Config: RCV: Parms:		
18960	M1O	04-042/21:15:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18961	M1O	04-042/21:15:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
18962	M1O	04-042/21:15:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18963	M1O	04-042/21:26:12.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
18964	M1O	04-042/21:36:12.0	63	Range Modulation Off		
18965	M1O	04-042/21:41:12.0	63	X-Band Transmitter Off		
18966	M1O	04-042/21:41:35.4		NOTE: Descending Node Crossing 9589		04-042/21:29:10.3
18967	M1O	04-042/21:54:36.2		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-042/21:42:11.0
18968	M1O	04-042/21:54:36.3		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-042/21:42:11.1
18969	M1O	04-042/21:54:37.3		Forces a desaturation of the reaction wheels.	RW_DESAT	04-042/21:42:12.1
18970	M1O	04-042/21:57:51.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-042/21:45:26.0
18971	M1O	04-042/21:58:07.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-040T21:45:26.100, 2004-042T21:45:26.100	PCKTS_RE_TX_TIME	04-042/21:45:41.8
18972	M1O	04-042/21:58:08.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-040T21:45:26.100, 2004-042T21:45:26.100	PCKTS_RE_TX_TIME	04-042/21:45:42.8
18973	M1O	04-042/21:58:09.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-040T21:45:26.100, 2004-042T21:45:26.100	PCKTS_RE_TX_TIME	04-042/21:45:43.8
18974	M1O	04-042/21:58:10.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-040T21:45:26.100, 2004-042T21:45:26.100	PCKTS_RE_TX_TIME	04-042/21:45:44.8
18975	M1O	04-042/21:58:11.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-040T21:45:26.100, 2004-042T21:45:26.100	PCKTS_RE_TX_TIME	04-042/21:45:45.8
18976	M1O	04-042/21:58:12.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-040T21:45:26.100, 2004-042T21:45:26.100	PCKTS_RE_TX_TIME	04-042/21:45:46.8
18977	M1O	04-042/21:58:12.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-042/21:45:46.8
18978	M1O	04-042/21:58:12.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18979	M1O	04-042/22:05:13.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-042/21:52:47.8
18980	M1O	04-042/22:05:13.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18981	M1O	04-042/22:05:14.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-042/21:52:48.8
18982	M1O	04-042/22:05:30.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-042/21:53:04.8
18983	M1O	04-042/22:05:30.0	63	D/L RF Warning: SC antenna change - expect signal level variation		
18984	M1O	04-042/22:05:31.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-042/21:53:05.8
18985	M1O	04-042/22:06:02.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18986	M1O	04-042/22:06:07.3		CALL, Engine = , Parameters = FALSE	park_hga	04-042/21:53:42.1
18987	M1O	04-042/22:06:07.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-042/21:53:42.1
18988	M1O	04-042/22:06:08.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-042/21:53:43.1
18989	M1O	04-042/22:06:09.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-042/21:53:44.1
18990	M1O	04-042/22:06:09.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-042/21:53:44.1
18991	M1O	04-042/22:06:09.3		NOTE: START HGA PARK		
18992	M1O	04-042/22:06:09.3	63	NOTE: Loss Of X-Band Signal		
18993	M1O	04-042/22:06:10.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-042/21:53:45.1
18994	M1O	04-042/22:06:11.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-042/21:53:46.1
18995	M1O	04-042/22:09:24.2		NOTE: Periapsis 9589 ----------		04-042/21:56:58.9
18996	M1O	04-042/22:10:41.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-042/21:58:16.1
18997	M1O	04-042/22:10:54.5		NOTE: South Pole Crossing 9589		04-042/21:58:29.2
18998	M1O	04-042/22:14:11.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-042/22:01:46.1
18999	M1O	04-042/22:14:11.3		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-042/22:01:46.1
19000	M1O	04-042/22:15:23.0	63	NOTE: Below Uplink Interlock Limit		
19001	M1O	04-042/22:39:09.0		NOTE: Enter Solar Eclipse 9589		04-042/22:26:43.6
19002	M1O	04-042/22:40:16.9		NOTE: Ascending Node Crossing 9589		04-042/22:27:51.6
19003	M1O	04-042/22:44:11.3		GV: GV_DESAT_ACTIVE = 1		04-042/22:31:46.0
19004	M1O	04-042/22:44:12.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-042/22:31:47.0
19005	M1O	04-042/22:44:12.3		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-042/22:31:47.0
19006	M1O	04-042/22:50:38.8		NOTE: Exit Solar Eclipse 9589		04-042/22:38:13.4
19007	M1O	04-042/22:54:11.3		GV: GV_DESAT_ACTIVE = 0		04-042/22:41:46.0
19008	M1O	04-042/22:54:12.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-042/22:41:47.0
19009	M1O	04-042/22:54:13.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-042/22:41:48.0
19010	M1O	04-042/22:54:14.3		CALL, Engine = , Parameters =	unpark_hga	04-042/22:41:49.0
19011	M1O	04-042/22:54:14.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-042/22:41:49.0
19012	M1O	04-042/22:54:15.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-042/22:41:50.0
19013	M1O	04-042/22:58:45.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-042/22:46:20.0
19014	M1O	04-042/22:58:46.4		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-042/22:46:21.0
19015	M1O	04-042/23:00:00.0	63	End Tracking		
19016	M1O	04-042/23:00:00.0	14	Begin Tracking		
19017	M1O	04-042/23:02:11.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-042/22:49:46.0
19018	M1O	04-042/23:02:11.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-042/22:49:46.1
19019	M1O	04-042/23:02:12.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-042/22:49:47.1
19020	M1O	04-042/23:02:13.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-042/22:49:48.1
19021	M1O	04-042/23:02:14.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-042/22:49:49.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19022	M1O	04-042/23:02:15.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-042/22:49:50.1
19023	M1O	04-042/23:02:25.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-042/22:50:00.1
19024	M1O	04-042/23:02:35.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-042/22:50:10.1
19025	M1O	04-042/23:02:46.4		NOTE: EXIT HGA PARK		
19026	M1O	04-042/23:02:46.4	14	Acquisition Of X-Band Signal		
19027	M1O	04-042/23:02:46.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19028	M1O	04-042/23:07:35.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-042/22:55:10.1
19029	M1O	04-042/23:07:36.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-042/22:55:11.1
19030	M1O	04-042/23:07:36.5	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19031	M1O	04-042/23:07:37.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-042/22:55:12.1
19032	M1O	04-042/23:07:40.4		NOTE: Apoapsis 9589 -		04-042/22:55:14.9
19033	M1O	04-042/23:10:15.1		NOTE: North Pole Crossing 9589		04-042/22:57:49.6
19034	M1O	04-042/23:15:00.0	63	End Post-Cal		
19035	M1O	04-042/23:40:09.4		NOTE: Descending Node Crossing 9590		04-042/23:27:43.8
19036	M1O	04-043/00:00:00.0		Light Time: OWLT = 12:25, RTLT = 24:51		
19037	M1O	04-043/00:04:25.6		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-042/23:52:00.0
19038	M1O	04-043/00:04:41.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-040T23:52:00.100, 2004-042T23:52:00.100	PCKTS_RE_TX_TIME	04-042/23:52:15.8
19039	M1O	04-043/00:04:42.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-040T23:52:00.100, 2004-042T23:52:00.100	PCKTS_RE_TX_TIME	04-042/23:52:16.8
19040	M1O	04-043/00:04:43.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-040T23:52:00.100, 2004-042T23:52:00.100	PCKTS_RE_TX_TIME	04-042/23:52:17.8
19041	M1O	04-043/00:04:44.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-040T23:52:00.100, 2004-042T23:52:00.100	PCKTS_RE_TX_TIME	04-042/23:52:18.8
19042	M1O	04-043/00:04:45.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-040T23:52:00.100, 2004-042T23:52:00.100	PCKTS_RE_TX_TIME	04-042/23:52:19.8
19043	M1O	04-043/00:04:46.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-040T23:52:00.100, 2004-042T23:52:00.100	PCKTS_RE_TX_TIME	04-042/23:52:20.8
19044	M1O	04-043/00:04:46.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-042/23:52:20.8
19045	M1O	04-043/00:04:46.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19046	M1O	04-043/00:07:57.1		NOTE: Periapsis 9590 ----------		04-042/23:55:31.5
19047	M1O	04-043/00:09:28.3		NOTE: South Pole Crossing 9590		04-042/23:57:02.7
19048	M1O	04-043/00:11:47.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-042/23:59:21.8
19049	M1O	04-043/00:11:47.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19050	M1O	04-043/00:11:48.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-042/23:59:22.8
19051	M1O	04-043/00:12:04.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-042/23:59:38.8
19052	M1O	04-043/00:12:04.4	14	D/L RF Warning: SC antenna change - expect signal level variation		
19053	M1O	04-043/00:12:05.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-042/23:59:39.8
19054	M1O	04-043/00:12:23.6		Loads the disignated sequence block from the file system.: 65535, d:/seq/cm038.abs	VM_LOAD	04-042/23:59:58.0