SEQUENCE OF EVENTS File: cm051a.00.rsoe Source: cm051a.pef Generated: Tue Nov 30 01:36:19 2004
M1O (053) DKF: cm051a.00.dkf Alloc: M01O_04350_05014.SAF
Page 1 OWLT = 19:32, RTLT = 39:04

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1	M1O	04-350/23:46:29.0	43	Range Modulation On: SUP=3.0dB		
2	M1O	04-350/23:47:29.0	43	Begin Ranging Acquisition		
3	M1O	04-350/23:50:23.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
4	M1O	04-351/00:00:23.0	43	Range Modulation Off		
5	M1O	04-351/00:05:23.0	43	X-Band Transmitter Off		
6	M1O	04-351/00:09:44.7	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7	M1O	04-351/00:19:04.0	43	TXR On: PWR=20.0, Band=X		
8	M1O	04-351/00:19:31.8		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;		04-351/00:00:00.0
9	M1O	04-351/00:19:45.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-351/00:00:13.8
10	M1O	04-351/00:19:45.6	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11	M1O	04-351/00:19:46.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-351/00:00:14.8
12	M1O	04-351/00:20:02.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-351/00:00:30.8
13	M1O	04-351/00:20:02.6	43	D/L RF Warning: SC antenna change - expect signal level variation		
14	M1O	04-351/00:20:03.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-351/00:00:31.8
15	M1O	04-351/00:20:06.8		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-351/00:00:35.0
16	M1O	04-351/00:20:06.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-351/00:00:35.1
17	M1O	04-351/00:20:07.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-351/00:00:36.1
18	M1O	04-351/00:20:08.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-351/00:00:37.1
19	M1O	04-351/00:20:09.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-351/00:00:38.1
20	M1O	04-351/00:20:09.9	43	D/L RF Warning: SC antenna change - expect signal level variation		
21	M1O	04-351/00:20:10.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-351/00:00:39.1
22	M1O	04-351/00:20:20.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-351/00:00:49.1
23	M1O	04-351/00:20:30.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-351/00:00:59.1
24	M1O	04-351/00:20:31.8		Deletes the designated file.: d:/seq/cm051.abs	FILE_DELETE	04-351/00:01:00.0
25	M1O	04-351/00:20:33.0	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
26	M1O	04-351/00:24:04.0	43	Range Modulation On: SUP=3.0dB		
27	M1O	04-351/00:25:04.0	43	Begin Ranging Acquisition		
28	M1O	04-351/00:27:30.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-351/00:07:59.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
29	M1O	04-351/00:27:31.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-351/00:08:00.1
30	M1O	04-351/00:27:31.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
31	M1O	04-351/00:27:32.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-351/00:08:01.1
32	M1O	04-351/00:29:12.3		NOTE: South Pole Crossing 13331		04-351/00:09:40.4
33	M1O	04-351/00:30:07.2		NOTE: Periapsis 13331 ----------		04-351/00:10:35.3
34	M1O	04-351/00:42:44.5		NOTE: Enter Planetary Atmosphere 13331		04-351/00:23:12.7
35	M1O	04-351/00:43:24.8		SPAWN, Engine = 65535, Parameters = 00:19:41	dpt	04-351/00:23:53.0
36	M1O	04-351/00:43:26.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-351/00:23:55.1
37	M1O	04-351/00:43:26.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
38	M1O	04-351/00:43:27.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-351/00:23:56.1
39	M1O	04-351/00:44:26.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
40	M1O	04-351/00:44:57.6		NOTE: Enter Earth Occultation 13331		04-351/00:25:25.7
41	M1O	04-351/00:44:57.6	43	NOTE: Loss Of X-Band Signal		
42	M1O	04-351/00:57:36.3		NOTE: Exit Earth Occultation 13331		04-351/00:38:04.5
43	M1O	04-351/00:57:36.3	43	Acquisition Of X-Band Signal		
44	M1O	04-351/00:57:36.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
45	M1O	04-351/00:58:07.7	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
46	M1O	04-351/00:58:32.7		NOTE: Ascending Node Crossing 13331		04-351/00:39:00.9
47	M1O	04-351/00:59:46.3		NOTE: Exit Planetary Atmosphere 13331		04-351/00:40:14.5
48	M1O	04-351/01:03:07.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-351/00:43:36.1
49	M1O	04-351/01:03:07.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
50	M1O	04-351/01:03:08.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-351/00:43:37.1
51	M1O	04-351/01:28:28.4		NOTE: North Pole Crossing 13331		04-351/01:08:56.7
52	M1O	04-351/01:29:57.4		NOTE: Apoapsis 13331 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
73	M1O	04-351/02:56:45.2	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
74	M1O	04-351/02:57:08.9		NOTE: Ascending Node Crossing 13332		04-351/02:37:37.3
75	M1O	04-351/02:58:23.8		NOTE: Exit Planetary Atmosphere 13332		04-351/02:38:52.2
76	M1O	04-351/03:01:45.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-351/02:42:14.1
77	M1O	04-351/03:01:45.6	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
78	M1O	04-351/03:01:46.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-351/02:42:15.1
79	M1O	04-351/03:27:04.3		NOTE: North Pole Crossing 13332		04-351/03:07:32.8
80	M1O	04-351/03:28:16.9		NOTE: Apoapsis 13332 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
120	M1O	04-351/05:20:57.5	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
121	M1O	04-351/05:25:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
122	M1O	04-351/05:25:38.9		NOTE: North Pole Crossing 13333		04-351/05:06:07.6
123	M1O	04-351/05:26:41.3		NOTE: Apoapsis 13333 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
157	M1O	04-351/06:38:37.6		NOTE: Enter Planetary Atmosphere 13334		04-351/06:19:06.5
158	M1O	04-351/06:39:49.3		SPAWN, Engine = 65535, Parameters = 00:19:05.989	dpt	04-351/06:20:18.2
159	M1O	04-351/06:39:51.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-351/06:20:20.3
160	M1O	04-351/06:39:51.4	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
161	M1O	04-351/06:39:52.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-351/06:20:21.3
162	M1O	04-351/06:40:51.3		NOTE: Enter Earth Occultation 13334		04-351/06:21:20.2
163	M1O	04-351/06:40:51.3	65	NOTE: Loss Of X-Band Signal		
164	M1O	04-351/06:53:26.0		NOTE: Exit Earth Occultation 13334		04-351/06:33:54.9
165	M1O	04-351/06:53:26.0	65	Acquisition Of X-Band Signal		
166	M1O	04-351/06:53:26.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
167	M1O	04-351/06:53:57.2	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
168	M1O	04-351/06:54:17.6		NOTE: Ascending Node Crossing 13334		04-351/06:34:46.5
169	M1O	04-351/06:55:36.8		NOTE: Exit Planetary Atmosphere 13334		04-351/06:36:05.7
170	M1O	04-351/06:58:57.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-351/06:39:26.3
171	M1O	04-351/06:58:57.4	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
172	M1O	04-351/06:58:58.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-351/06:39:27.3
173	M1O	04-351/07:19:31.0		SPAWN, Engine = 65535, Parameters =	scdiag	04-351/07:00:00.0
174	M1O	04-351/07:19:32.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-351/07:00:01.1
175	M1O	04-351/07:19:33.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-351/07:00:02.1
176	M1O	04-351/07:20:34.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-351/07:01:03.0
177	M1O	04-351/07:20:34.2		NOTE: Start Block fsw_diag		04-351/07:01:03.2
178	M1O	04-351/07:20:35.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-351/07:01:04.2
179	M1O	04-351/07:20:36.2		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	04-351/07:01:05.2
180	M1O	04-351/07:20:47.2		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	04-351/07:01:16.2
181	M1O	04-351/07:21:17.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-351/07:01:46.2
182	M1O	04-351/07:21:37.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-351/07:02:06.2
183	M1O	04-351/07:21:47.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-351/07:02:16.2
184	M1O	04-351/07:22:07.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-351/07:02:36.2
185	M1O	04-351/07:22:17.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-351/07:02:46.2
186	M1O	04-351/07:22:22.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-351/07:02:51.2
187	M1O	04-351/07:22:27.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-351/07:02:56.2
188	M1O	04-351/07:22:32.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-351/07:03:01.2
189	M1O	04-351/07:22:37.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-351/07:03:06.2
190	M1O	04-351/07:22:42.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-351/07:03:11.2
191	M1O	04-351/07:23:22.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-351/07:03:51.2
192	M1O	04-351/07:23:27.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-351/07:03:56.2
193	M1O	04-351/07:23:32.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-351/07:04:01.2
194	M1O	04-351/07:23:37.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-351/07:04:06.2
195	M1O	04-351/07:23:42.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-351/07:04:11.2
196	M1O	04-351/07:23:43.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-351/07:04:12.2
197	M1O	04-351/07:23:44.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-351/07:04:13.2
198	M1O	04-351/07:23:45.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-351/07:04:14.2
199	M1O	04-351/07:23:56.2		NOTE: End Block fsw_diag.mod		04-351/07:04:25.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
200	M1O	04-351/07:24:10.9		NOTE: North Pole Crossing 13334		04-351/07:04:39.9
201	M1O	04-351/07:25:30.4		NOTE: Apoapsis 13334 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
243	M1O	04-351/10:55:26.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-351/10:35:56.3
244	M1O	04-351/11:21:13.6		NOTE: North Pole Crossing 13336		04-351/11:01:43.1
245	M1O	04-351/11:22:05.5		NOTE: Apoapsis 13336 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
287	M1O	04-351/14:34:07.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-351/14:14:36.9
288	M1O	04-351/14:35:06.0		NOTE: Enter Earth Occultation 13338		04-351/14:15:35.8
289	M1O	04-351/14:35:06.0	25	NOTE: Loss Of X-Band Signal		
290	M1O	04-351/14:47:40.3		NOTE: Exit Earth Occultation 13338		04-351/14:28:10.2
291	M1O	04-351/14:47:40.3	25	Acquisition Of X-Band Signal		
292	M1O	04-351/14:47:40.3	25	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
293	M1O	04-351/14:48:30.5		NOTE: Ascending Node Crossing 13338		04-351/14:29:00.4
294	M1O	04-351/14:49:50.9		NOTE: Exit Planetary Atmosphere 13338		04-351/14:30:20.8
295	M1O	04-351/14:52:40.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-351/14:33:10.3
296	M1O	04-351/14:52:40.4	25	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
297	M1O	04-351/14:52:41.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-351/14:33:11.3
298	M1O	04-351/15:18:24.6		NOTE: North Pole Crossing 13338		04-351/14:58:54.6
299	M1O	04-351/15:20:17.5		NOTE: Apoapsis 13338 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
332	M1O	04-351/17:10:00.0	43	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
333	M1O	04-351/17:10:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
334	M1O	04-351/17:10:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
335	M1O	04-351/17:10:00.0	43	At BOT: S/C Transmitter Status: PWR=OFF, EXC=1, PWR=OFF, EXC=2		
336	M1O	04-351/17:10:00.0	43	Config: RCV: Parms:		
337	M1O	04-351/17:10:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
338	M1O	04-351/17:10:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
339	M1O	04-351/17:10:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
340	M1O	04-351/17:16:59.6		NOTE: North Pole Crossing 13339		04-351/16:57:29.8
341	M1O	04-351/17:19:04.1		NOTE: Apoapsis 13339 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				softstops.: HGA, -87, -87		
374	M1O	04-351/17:45:26.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-351/17:25:57.1
375	M1O	04-351/17:46:56.6		NOTE: Descending Node Crossing 13340		04-351/17:27:26.9
376	M1O	04-351/17:47:03.0	45	NOTE: Above Uplink Interlock Limit		
377	M1O	04-351/17:48:56.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-351/17:29:27.1
378	M1O	04-351/17:48:56.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-351/17:29:27.1
379	M1O	04-351/17:55:00.0	25	End Tracking		
380	M1O	04-351/17:55:00.0	25	End Post-Cal		
381	M1O	04-351/18:06:29.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
382	M1O	04-351/18:11:29.0	45	Range Modulation On: SUP=3.0dB		
383	M1O	04-351/18:12:29.0	45	Begin Ranging Acquisition		
384	M1O	04-351/18:16:18.9		NOTE: South Pole Crossing 13340		04-351/17:56:49.2
385	M1O	04-351/18:17:42.3		NOTE: Periapsis 13340		04-351/17:58:12.7

386	M1O	04-351/18:18:56.6		GV: GV_DESAT_ACTIVE = 1		04-351/17:59:27.0
387	M1O	04-351/18:18:57.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-351/17:59:28.0
388	M1O	04-351/18:18:57.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-351/17:59:28.0
389	M1O	04-351/18:24:53.9		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	04-351/18:05:24.3
390	M1O	04-351/18:24:59.9		NOTE: Changing to 70M downlink rate: 39816_BPS		04-351/18:05:30.3
391	M1O	04-351/18:24:59.9		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	04-351/18:05:30.3
392	M1O	04-351/18:25:00.0	43	Begin Tracking		
393	M1O	04-351/18:28:56.6		GV: GV_DESAT_ACTIVE = 0		04-351/18:09:27.0
394	M1O	04-351/18:28:57.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-351/18:09:28.0
395	M1O	04-351/18:28:58.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-351/18:09:29.0
396	M1O	04-351/18:28:59.6		CALL, Engine = , Parameters =	unpark_hga	04-351/18:09:30.0
397	M1O	04-351/18:28:59.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-351/18:09:30.0
398	M1O	04-351/18:29:00.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-351/18:09:31.0
399	M1O	04-351/18:29:58.3		NOTE: Enter Planetary Atmosphere 13340		04-351/18:10:28.7
400	M1O	04-351/18:32:10.6		NOTE: Enter Earth Occultation 13340		04-351/18:12:40.9
401	M1O	04-351/18:33:30.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-351/18:14:01.0
402	M1O	04-351/18:33:31.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-351/18:14:02.0
403	M1O	04-351/18:37:31.6		NOTE: EXIT HGA PARK		
404	M1O	04-351/18:44:31.5		SPAWN, Engine = 65535, Parameters = 00:07:31.833	cstr	04-351/18:25:01.9
405	M1O	04-351/18:44:31.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-351/18:25:02.0
406	M1O	04-351/18:44:32.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-351/18:25:03.0
407	M1O	04-351/18:44:33.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-351/18:25:04.0
408	M1O	04-351/18:44:34.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-351/18:25:05.0
409	M1O	04-351/18:44:35.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-351/18:25:06.0
410	M1O	04-351/18:44:45.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-351/18:25:16.0
411	M1O	04-351/18:44:55.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-351/18:25:26.0
412	M1O	04-351/18:44:56.5		NOTE: Exit Earth Occultation 13340		04-351/18:25:26.9
413	M1O	04-351/18:44:56.5	43	Acquisition Of X-Band Signal		
414	M1O	04-351/18:44:56.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
415	M1O	04-351/18:44:56.5	45	Acquisition Of X-Band Signal		
416	M1O	04-351/18:44:56.5	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
417	M1O	04-351/18:45:28.3	43	Acquire D/L: X/08, 3-Way/45, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
418	M1O	04-351/18:45:28.3	45	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
419	M1O	04-351/18:45:38.1		NOTE: Ascending Node Crossing 13340		04-351/18:26:08.5
420	M1O	04-351/18:47:05.8		NOTE: Exit Planetary Atmosphere 13340		04-351/18:27:36.2
421	M1O	04-351/18:52:27.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-351/18:32:57.8
422	M1O	04-351/18:52:28.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-351/18:32:58.8
423	M1O	04-351/18:52:28.4	43	D/L Change: X/08, 3-Way/45, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
424	M1O	04-351/18:52:28.4	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
425	M1O	04-351/18:52:29.4		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-351/18:32:59.8
426	M1O	04-351/19:15:32.0		NOTE: North Pole Crossing 13340		04-351/18:56:02.4
427	M1O	04-351/19:17:17.8		NOTE: Apoapsis 13340 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
458	M1O	04-351/20:48:59.2	43	D/L Change: X/08, 3-Way/45, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
459	M1O	04-351/20:48:59.2	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
460	M1O	04-351/20:49:00.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-351/20:29:30.8
461	M1O	04-351/21:14:02.2		NOTE: North Pole Crossing 13341		04-351/20:54:32.9
462	M1O	04-351/21:15:35.4		NOTE: Apoapsis 13341 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
500	M1O	04-351/23:42:30.5		NOTE: Descending Node Crossing 13343		04-351/23:23:01.5
501	M1O	04-351/23:43:21.0	45	Range Modulation Off		
502	M1O	04-351/23:48:21.0	45	X-Band Transmitter Off		
503	M1O	04-352/00:00:00.0		Light Time: OWLT = 19:28, RTLT = 38:57		
504	M1O	04-352/00:11:53.1		NOTE: South Pole Crossing 13343		04-351/23:52:24.2
505	M1O	04-352/00:12:51.0		NOTE: Periapsis 13343 ----------		04-351/23:53:22.0
506	M1O	04-352/00:25:36.9		NOTE: Enter Planetary Atmosphere 13343		04-352/00:06:08.0
507	M1O	04-352/00:26:18.4		SPAWN, Engine = 65535, Parameters = 00:19:11.246	dpt	04-352/00:06:49.5
508	M1O	04-352/00:26:20.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-352/00:06:51.6
509	M1O	04-352/00:26:20.5	45	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
510	M1O	04-352/00:26:21.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-352/00:06:52.6
511	M1O	04-352/00:27:18.9	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
512	M1O	04-352/00:27:49.3		NOTE: Enter Earth Occultation 13343		04-352/00:08:20.4
513	M1O	04-352/00:27:49.3	45	NOTE: Loss Of X-Band Signal		
514	M1O	04-352/00:40:31.6		NOTE: Exit Earth Occultation 13343		04-352/00:21:02.7
515	M1O	04-352/00:40:31.6	45	Acquisition Of X-Band Signal		
516	M1O	04-352/00:40:31.6	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
517	M1O	04-352/00:41:13.7		NOTE: Ascending Node Crossing 13343		04-352/00:21:44.8
518	M1O	04-352/00:42:41.0		NOTE: Exit Planetary Atmosphere 13343		04-352/00:23:12.2
519	M1O	04-352/00:45:31.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-352/00:26:02.8
520	M1O	04-352/00:45:31.7	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
521	M1O	04-352/00:45:32.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-352/00:26:03.8
522	M1O	04-352/01:11:09.0		NOTE: North Pole Crossing 13343		04-352/00:51:40.2
523	M1O	04-352/01:12:51.1		NOTE: Apoapsis 13343 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
543	M1O	04-352/03:11:16.9		NOTE: Apoapsis 13344 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
588	M1O	04-352/06:23:39.9		NOTE: Enter Earth Occultation 13346		04-352/06:04:11.7
589	M1O	04-352/06:23:39.9	55	NOTE: Loss Of X-Band Signal		
590	M1O	04-352/06:36:23.0		NOTE: Exit Earth Occultation 13346		04-352/06:16:54.8
591	M1O	04-352/06:36:23.0	55	Acquisition Of X-Band Signal		
592	M1O	04-352/06:36:23.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
593	M1O	04-352/06:37:00.0		NOTE: Ascending Node Crossing 13346		04-352/06:17:31.9
594	M1O	04-352/06:38:32.5		NOTE: Exit Planetary Atmosphere 13346		04-352/06:19:04.4
595	M1O	04-352/06:41:23.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-352/06:21:54.9
596	M1O	04-352/06:41:23.1	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
597	M1O	04-352/06:41:24.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-352/06:21:55.9
598	M1O	04-352/07:06:53.7		NOTE: North Pole Crossing 13346		04-352/06:47:25.6
599	M1O	04-352/07:08:18.4		NOTE: Apoapsis 13346 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
630	M1O	04-352/08:20:00.7		NOTE: Enter Planetary Atmosphere 13347		04-352/08:00:32.8
631	M1O	04-352/08:21:11.2		SPAWN, Engine = 65535, Parameters = 00:18:43.079	dpt	04-352/08:01:43.3
632	M1O	04-352/08:21:13.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-352/08:01:45.4
633	M1O	04-352/08:21:13.3	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
634	M1O	04-352/08:21:14.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-352/08:01:46.4
635	M1O	04-352/08:22:13.2		NOTE: Enter Earth Occultation 13347		04-352/08:02:45.3
636	M1O	04-352/08:22:13.2	55	NOTE: Loss Of X-Band Signal		
637	M1O	04-352/08:34:56.3		NOTE: Exit Earth Occultation 13347		04-352/08:15:28.4
638	M1O	04-352/08:34:56.3	55	Acquisition Of X-Band Signal		
639	M1O	04-352/08:34:56.3	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
640	M1O	04-352/08:35:31.2		NOTE: Ascending Node Crossing 13347		04-352/08:16:03.2
641	M1O	04-352/08:37:05.9		NOTE: Exit Planetary Atmosphere 13347		04-352/08:17:38.0
642	M1O	04-352/08:39:56.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-352/08:20:28.5
643	M1O	04-352/08:39:56.4	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
644	M1O	04-352/08:39:57.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-352/08:20:29.5
645	M1O	04-352/09:05:24.6		NOTE: North Pole Crossing 13347		04-352/08:45:56.7
646	M1O	04-352/09:06:58.9		NOTE: Apoapsis 13347 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET

673	M1O	04-352/12:15:00.0	14	Begin Pre-Cal		
674	M1O	04-352/12:15:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
675	M1O	04-352/12:15:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
676	M1O	04-352/12:15:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
677	M1O	04-352/12:15:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
678	M1O	04-352/12:15:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
679	M1O	04-352/12:15:00.0	14	Config: RCV: Parms:		
680	M1O	04-352/12:15:00.0	14	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
681	M1O	04-352/12:15:00.0	14	Config: TGC: BAND=X, SR=238896.000000		
682	M1O	04-352/12:15:00.0	14	Config: TXL		
683	M1O	04-352/12:15:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
684	M1O	04-352/12:15:00.0	14	Config: CMD		
685	M1O	04-352/12:15:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
686	M1O	04-352/12:17:03.8		NOTE: Enter Planetary Atmosphere 13349		04-352/11:57:36.3
687	M1O	04-352/12:18:15.5		SPAWN, Engine = 65535, Parameters = 00:19:11.010	dpt	04-352/11:58:48.0
688	M1O	04-352/12:18:17.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-352/11:58:50.1
689	M1O	04-352/12:18:17.6	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
690	M1O	04-352/12:18:18.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-352/11:58:51.1
691	M1O	04-352/12:19:16.7		NOTE: Enter Earth Occultation 13349		04-352/11:59:49.3
692	M1O	04-352/12:19:16.7	55	NOTE: Loss Of X-Band Signal		
693	M1O	04-352/12:31:55.9		NOTE: Exit Earth Occultation 13349		04-352/12:12:28.5
694	M1O	04-352/12:31:55.9	55	Acquisition Of X-Band Signal		
695	M1O	04-352/12:31:55.9	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
696	M1O	04-352/12:32:26.9	55	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
697	M1O	04-352/12:32:34.6		NOTE: Ascending Node Crossing 13349		04-352/12:13:07.1
698	M1O	04-352/12:34:05.8		NOTE: Exit Planetary Atmosphere 13349		04-352/12:14:38.4
699	M1O	04-352/12:37:28.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-352/12:18:01.1
700	M1O	04-352/12:37:28.5	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
701	M1O	04-352/12:37:29.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-352/12:18:02.1
702	M1O	04-352/13:02:29.7		NOTE: North Pole Crossing 13349		04-352/12:43:02.3
703	M1O	04-352/13:03:37.8		NOTE: Apoapsis 13349 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
718	M1O	04-352/13:49:38.0	55	NOTE: Below Uplink Interlock Limit		
719	M1O	04-352/13:49:59.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-352/13:30:32.6
720	M1O	04-352/13:49:59.9	14	D/L Change: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
721	M1O	04-352/13:49:59.9	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
722	M1O	04-352/13:50:00.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-352/13:30:33.6
723	M1O	04-352/13:52:11.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
724	M1O	04-352/13:57:11.0	14	Range Modulation On: SUP=3.0dB		
725	M1O	04-352/13:58:11.0	14	Begin Ranging Acquisition		
726	M1O	04-352/14:00:00.0	55	End Tracking		
727	M1O	04-352/14:01:50.1		NOTE: South Pole Crossing 13350		04-352/13:42:22.9
728	M1O	04-352/14:02:47.6		NOTE: Periapsis 13350 ----------		04-352/13:43:20.4
729	M1O	04-352/14:12:52.7		SPAWN, Engine = 65535, Parameters = 00:23:11	dpt	04-352/13:53:25.5
730	M1O	04-352/14:12:54.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-352/13:53:27.6
731	M1O	04-352/14:12:54.8	14	D/L Change: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
732	M1O	04-352/14:12:55.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-352/13:53:28.6
733	M1O	04-352/14:13:54.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
734	M1O	04-352/14:15:00.0	55	End Post-Cal		
735	M1O	04-352/14:15:41.7		NOTE: Enter Planetary Atmosphere 13350		04-352/13:56:14.5
736	M1O	04-352/14:17:54.4		NOTE: Enter Earth Occultation 13350		04-352/13:58:27.2
737	M1O	04-352/14:17:54.4	14	NOTE: Loss Of X-Band Signal		
738	M1O	04-352/14:30:34.1		NOTE: Exit Earth Occultation 13350		04-352/14:11:06.9
739	M1O	04-352/14:30:34.1	14	Acquisition Of X-Band Signal		
740	M1O	04-352/14:30:34.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
741	M1O	04-352/14:31:05.4	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
742	M1O	04-352/14:31:11.1		NOTE: Ascending Node Crossing 13350		04-352/14:11:44.0
743	M1O	04-352/14:32:43.9		NOTE: Exit Planetary Atmosphere 13350		04-352/14:13:16.7
744	M1O	04-352/14:36:05.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-352/14:16:38.6
745	M1O	04-352/14:36:05.8	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
746	M1O	04-352/14:36:06.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-352/14:16:39.6
747	M1O	04-352/15:01:05.7		NOTE: North Pole Crossing 13350		04-352/14:41:38.5
748	M1O	04-352/15:02:49.4		NOTE: Apoapsis 13350 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
760	M1O	04-352/16:14:59.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-352/15:55:32.6
761	M1O	04-352/16:14:59.6	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
762	M1O	04-352/16:15:00.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-352/15:55:33.6
763	M1O	04-352/16:15:59.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
764	M1O	04-352/16:16:29.6		NOTE: Enter Earth Occultation 13351		04-352/15:57:02.7
765	M1O	04-352/16:16:29.6	14	NOTE: Loss Of X-Band Signal		
766	M1O	04-352/16:29:14.5		NOTE: Exit Earth Occultation 13351		04-352/16:09:47.6
767	M1O	04-352/16:29:14.5	14	Acquisition Of X-Band Signal		
768	M1O	04-352/16:29:14.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
769	M1O	04-352/16:29:45.9	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
770	M1O	04-352/16:29:47.3		NOTE: Ascending Node Crossing 13351		04-352/16:10:20.3
771	M1O	04-352/16:31:05.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
772	M1O	04-352/16:31:23.6		NOTE: Exit Planetary Atmosphere 13351		04-352/16:11:56.7
773	M1O	04-352/16:34:46.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-352/16:15:19.6
774	M1O	04-352/16:34:46.5	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
775	M1O	04-352/16:34:47.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-352/16:15:20.6
776	M1O	04-352/16:41:05.0	14	Range Modulation Off		
777	M1O	04-352/16:46:05.0	14	X-Band Transmitter Off		
778	M1O	04-352/16:59:41.6		NOTE: North Pole Crossing 13351		04-352/16:40:14.7
779	M1O	04-352/17:01:54.1		NOTE: Apoapsis 13351 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
800	M1O	04-352/17:23:34.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-352/17:04:08.1
801	M1O	04-352/17:23:35.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-352/17:04:09.1
802	M1O	04-352/17:23:35.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-352/17:04:09.1
803	M1O	04-352/17:23:35.9		NOTE: START HGA PARK		
804	M1O	04-352/17:23:35.9	14	NOTE: Loss Of X-Band Signal		
805	M1O	04-352/17:23:36.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-352/17:04:10.1
806	M1O	04-352/17:23:37.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-352/17:04:11.1
807	M1O	04-352/17:28:07.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-352/17:08:41.1
808	M1O	04-352/17:29:39.1		NOTE: Descending Node Crossing 13352		04-352/17:10:12.3
809	M1O	04-352/17:31:37.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-352/17:12:11.1
810	M1O	04-352/17:31:37.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-352/17:12:11.1
811	M1O	04-352/17:49:31.0	14	TXR On: PWR=20.0, Band=X		
812	M1O	04-352/17:54:31.0	14	Range Modulation On: SUP=3.0dB		
813	M1O	04-352/17:55:31.0	14	Begin Ranging Acquisition		
814	M1O	04-352/17:59:02.0		NOTE: South Pole Crossing 13352		04-352/17:39:35.3
815	M1O	04-352/18:00:39.8		NOTE: Periapsis 13352		04-352/17:41:13.1

816	M1O	04-352/18:01:37.7		GV: GV_DESAT_ACTIVE = 1		04-352/17:42:11.0
817	M1O	04-352/18:01:38.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-352/17:42:12.0
818	M1O	04-352/18:01:38.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-352/17:42:12.0
819	M1O	04-352/18:11:37.7		GV: GV_DESAT_ACTIVE = 0		04-352/17:52:11.0
820	M1O	04-352/18:11:38.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-352/17:52:12.0
821	M1O	04-352/18:11:39.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-352/17:52:13.0
822	M1O	04-352/18:11:40.7		CALL, Engine = , Parameters =	unpark_hga	04-352/17:52:14.0
823	M1O	04-352/18:11:40.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-352/17:52:14.0
824	M1O	04-352/18:11:41.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-352/17:52:15.0
825	M1O	04-352/18:12:50.5		NOTE: Enter Planetary Atmosphere 13352		04-352/17:53:23.8
826	M1O	04-352/18:15:01.8		NOTE: Enter Earth Occultation 13352		04-352/17:55:35.1
827	M1O	04-352/18:16:11.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-352/17:56:45.0
828	M1O	04-352/18:16:12.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-352/17:56:46.0
829	M1O	04-352/18:20:12.7		NOTE: EXIT HGA PARK		
830	M1O	04-352/18:27:28.7		SPAWN, Engine = 65535, Parameters = 00:07:32.270	cstr	04-352/18:08:02.0
831	M1O	04-352/18:27:28.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-352/18:08:02.1
832	M1O	04-352/18:27:29.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-352/18:08:03.1
833	M1O	04-352/18:27:30.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-352/18:08:04.1
834	M1O	04-352/18:27:31.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-352/18:08:05.1
835	M1O	04-352/18:27:32.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-352/18:08:06.1
836	M1O	04-352/18:27:42.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-352/18:08:16.1
837	M1O	04-352/18:27:52.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-352/18:08:26.1
838	M1O	04-352/18:27:53.7		NOTE: Exit Earth Occultation 13352		04-352/18:08:27.0
839	M1O	04-352/18:27:53.7	14	Acquisition Of X-Band Signal		
840	M1O	04-352/18:27:53.7	14	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
841	M1O	04-352/18:28:21.5		NOTE: Ascending Node Crossing 13352		04-352/18:08:54.8
842	M1O	04-352/18:28:24.5	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
843	M1O	04-352/18:30:02.0		NOTE: Exit Planetary Atmosphere 13352		04-352/18:10:35.3
844	M1O	04-352/18:35:25.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-352/18:15:58.4
845	M1O	04-352/18:35:26.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-352/18:15:59.4
846	M1O	04-352/18:35:26.0	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
847	M1O	04-352/18:35:27.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-352/18:16:00.4
848	M1O	04-352/18:58:15.5		NOTE: North Pole Crossing 13352		04-352/18:38:48.9
849	M1O	04-352/19:00:25.8		NOTE: Apoapsis 13352 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
888	M1O	04-352/20:28:35.8		NOTE: Exit Planetary Atmosphere 13353		04-352/20:09:09.4
889	M1O	04-352/20:30:00.0	14	Range Modulation Off		
890	M1O	04-352/20:31:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-352/20:12:32.9
891	M1O	04-352/20:31:59.3	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
892	M1O	04-352/20:31:59.3	43	D/L Change: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
893	M1O	04-352/20:32:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-352/20:12:33.9
894	M1O	04-352/20:35:00.0	14	X-Band Transmitter Off		
895	M1O	04-352/20:40:00.0	14	End Tracking		
896	M1O	04-352/20:55:00.0	14	End Post-Cal		
897	M1O	04-352/20:56:46.8		NOTE: North Pole Crossing 13353		04-352/20:37:20.4
898	M1O	04-352/20:58:35.4		NOTE: Apoapsis 13353 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
927	M1O	04-352/23:05:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
928	M1O	04-352/23:16:19.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
929	M1O	04-352/23:25:13.7		NOTE: Descending Node Crossing 13355		04-352/23:05:47.6
930	M1O	04-352/23:31:19.0	43	X-Band Transmitter Off		
931	M1O	04-352/23:42:50.8		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	04-352/23:23:24.8
932	M1O	04-352/23:42:52.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-352/23:23:26.9
933	M1O	04-352/23:42:52.9	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
934	M1O	04-352/23:42:53.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-352/23:23:27.9
935	M1O	04-352/23:43:52.1	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
936	M1O	04-352/23:45:08.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
937	M1O	04-352/23:48:52.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-352/23:29:26.9
938	M1O	04-352/23:48:52.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
939	M1O	04-352/23:48:53.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-352/23:29:27.9
940	M1O	04-352/23:54:36.2		NOTE: South Pole Crossing 13355		04-352/23:35:10.2
941	M1O	04-352/23:55:41.8		NOTE: Periapsis 13355 ----------		04-352/23:36:15.8
942	M1O	04-353/00:00:00.0		Light Time: OWLT = 19:25, RTLT = 38:51		
943	M1O	04-353/00:08:30.4		NOTE: Enter Planetary Atmosphere 13355		04-352/23:49:04.4
944	M1O	04-353/00:09:10.5		SPAWN, Engine = 65535, Parameters = 00:19:49	dpt	04-352/23:49:44.5
945	M1O	04-353/00:09:12.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-352/23:49:46.6
946	M1O	04-353/00:09:12.6	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
947	M1O	04-353/00:09:13.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-352/23:49:47.6
948	M1O	04-353/00:10:11.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
949	M1O	04-353/00:10:42.1		NOTE: Enter Earth Occultation 13355		04-352/23:51:16.1
950	M1O	04-353/00:10:42.1	43	NOTE: Loss Of X-Band Signal		
951	M1O	04-353/00:23:29.4		NOTE: Exit Earth Occultation 13355		04-353/00:04:03.4
952	M1O	04-353/00:23:29.4	43	Acquisition Of X-Band Signal		
953	M1O	04-353/00:23:29.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
954	M1O	04-353/00:23:56.4		NOTE: Ascending Node Crossing 13355		04-353/00:04:30.5
955	M1O	04-353/00:24:00.0	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
956	M1O	04-353/00:25:38.1		NOTE: Exit Planetary Atmosphere 13355		04-353/00:06:12.1
957	M1O	04-353/00:29:01.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-353/00:09:35.6
958	M1O	04-353/00:29:01.6	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
959	M1O	04-353/00:29:02.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-353/00:09:36.6
960	M1O	04-353/00:53:51.1		NOTE: North Pole Crossing 13355		04-353/00:34:25.2
961	M1O	04-353/00:55:52.5		NOTE: Apoapsis 13355 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
970	M1O	04-353/02:07:41.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-353/01:48:16.1
971	M1O	04-353/02:07:41.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
972	M1O	04-353/02:07:42.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-353/01:48:17.1
973	M1O	04-353/02:08:41.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
974	M1O	04-353/02:09:12.6		NOTE: Enter Earth Occultation 13356		04-353/01:49:46.9
975	M1O	04-353/02:09:12.6	43	NOTE: Loss Of X-Band Signal		
976	M1O	04-353/02:22:05.9		NOTE: Exit Earth Occultation 13356		04-353/02:02:40.2
977	M1O	04-353/02:22:05.9	43	Acquisition Of X-Band Signal		
978	M1O	04-353/02:22:05.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
979	M1O	04-353/02:22:31.3		NOTE: Ascending Node Crossing 13356		04-353/02:03:05.6
980	M1O	04-353/02:22:37.5	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
981	M1O	04-353/02:24:13.8		NOTE: Exit Planetary Atmosphere 13356		04-353/02:04:48.1
982	M1O	04-353/02:27:37.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-353/02:08:12.1
983	M1O	04-353/02:27:37.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
984	M1O	04-353/02:27:38.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-353/02:08:13.1
985	M1O	04-353/02:52:26.8		NOTE: North Pole Crossing 13356		04-353/02:33:01.2
986	M1O	04-353/02:54:21.1		NOTE: Apoapsis 13356 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1016	M1O	04-353/04:22:51.2		NOTE: Exit Planetary Atmosphere 13357		04-353/04:03:25.8
1017	M1O	04-353/04:26:15.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-353/04:06:50.1
1018	M1O	04-353/04:26:15.6	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1019	M1O	04-353/04:26:16.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-353/04:06:51.1
1020	M1O	04-353/04:51:02.6		NOTE: North Pole Crossing 13357		04-353/04:31:37.2
1021	M1O	04-353/04:52:40.8		NOTE: Apoapsis 13357 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1058	M1O	04-353/07:20:29.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-353/07:01:04.2
1059	M1O	04-353/07:20:30.2		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	04-353/07:01:05.2
1060	M1O	04-353/07:20:41.2		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	04-353/07:01:16.2
1061	M1O	04-353/07:21:11.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-353/07:01:46.2
1062	M1O	04-353/07:21:31.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-353/07:02:06.2
1063	M1O	04-353/07:21:41.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-353/07:02:16.2
1064	M1O	04-353/07:22:01.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-353/07:02:36.2
1065	M1O	04-353/07:22:11.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-353/07:02:46.2
1066	M1O	04-353/07:22:16.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-353/07:02:51.2
1067	M1O	04-353/07:22:21.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-353/07:02:56.2
1068	M1O	04-353/07:22:26.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-353/07:03:01.2
1069	M1O	04-353/07:22:31.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-353/07:03:06.2
1070	M1O	04-353/07:22:36.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-353/07:03:11.2
1071	M1O	04-353/07:23:16.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-353/07:03:51.2
1072	M1O	04-353/07:23:21.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-353/07:03:56.2
1073	M1O	04-353/07:23:26.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-353/07:04:01.2
1074	M1O	04-353/07:23:31.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-353/07:04:06.2
1075	M1O	04-353/07:23:36.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-353/07:04:11.2
1076	M1O	04-353/07:23:37.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-353/07:04:12.2
1077	M1O	04-353/07:23:38.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-353/07:04:13.2
1078	M1O	04-353/07:23:39.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-353/07:04:14.2
1079	M1O	04-353/07:23:50.2		NOTE: End Block fsw_diag.mod		04-353/07:04:25.2
1080	M1O	04-353/07:48:56.2		NOTE: South Pole Crossing 13359		04-353/07:29:31.2
1081	M1O	04-353/07:50:08.6		NOTE: Periapsis 13359 ----------		04-353/07:30:43.5
1082	M1O	04-353/08:02:54.4		NOTE: Enter Planetary Atmosphere 13359		04-353/07:43:29.4
1083	M1O	04-353/08:04:03.9		SPAWN, Engine = 65535, Parameters = 00:18:49.740	dpt	04-353/07:44:38.9
1084	M1O	04-353/08:04:06.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-353/07:44:41.0
1085	M1O	04-353/08:04:06.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1086	M1O	04-353/08:04:07.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-353/07:44:42.0
1087	M1O	04-353/08:05:05.9		NOTE: Enter Earth Occultation 13359		04-353/07:45:40.9
1088	M1O	04-353/08:05:05.9	63	NOTE: Loss Of X-Band Signal		
1089	M1O	04-353/08:17:55.6		NOTE: Exit Earth Occultation 13359		04-353/07:58:30.7
1090	M1O	04-353/08:17:55.6	63	Acquisition Of X-Band Signal		
1091	M1O	04-353/08:17:55.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1092	M1O	04-353/08:18:15.8		NOTE: Ascending Node Crossing 13359		04-353/07:58:50.8
1093	M1O	04-353/08:20:04.3		NOTE: Exit Planetary Atmosphere 13359		04-353/08:00:39.3
1094	M1O	04-353/08:22:55.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-353/08:03:30.8
1095	M1O	04-353/08:22:55.7	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1096	M1O	04-353/08:22:56.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-353/08:03:31.8
1097	M1O	04-353/08:48:09.0		NOTE: North Pole Crossing 13359		04-353/08:28:44.0
1098	M1O	04-353/08:49:57.5		NOTE: Apoapsis 13359 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1100	M1O	04-353/09:47:26.5		NOTE: South Pole Crossing 13360		04-353/09:28:01.7
1101	M1O	04-353/09:48:33.8		NOTE: Periapsis 13360		04-353/09:29:09.1

1102	M1O	04-353/10:01:23.7		NOTE: Enter Planetary Atmosphere 13360		04-353/09:41:58.9
1103	M1O	04-353/10:02:33.1		SPAWN, Engine = 65535, Parameters = 00:18:51.309	dpt	04-353/09:43:08.3
1104	M1O	04-353/10:02:35.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-353/09:43:10.4
1105	M1O	04-353/10:02:35.2	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1106	M1O	04-353/10:02:36.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-353/09:43:11.4
1107	M1O	04-353/10:03:35.1		NOTE: Enter Earth Occultation 13360		04-353/09:44:10.3
1108	M1O	04-353/10:03:35.1	63	NOTE: Loss Of X-Band Signal		
1109	M1O	04-353/10:16:26.4		NOTE: Exit Earth Occultation 13360		04-353/09:57:01.6
1110	M1O	04-353/10:16:26.4	63	Acquisition Of X-Band Signal		
1111	M1O	04-353/10:16:26.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1112	M1O	04-353/10:16:45.4		NOTE: Ascending Node Crossing 13360		04-353/09:57:20.7
1113	M1O	04-353/10:18:34.7		NOTE: Exit Planetary Atmosphere 13360		04-353/09:59:10.0
1114	M1O	04-353/10:21:26.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-353/10:02:01.7
1115	M1O	04-353/10:21:26.4	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1116	M1O	04-353/10:21:27.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-353/10:02:02.7
1117	M1O	04-353/10:46:39.2		NOTE: North Pole Crossing 13360		04-353/10:27:14.6
1118	M1O	04-353/10:48:16.8		NOTE: Apoapsis 13360 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1141	M1O	04-353/12:02:06.8	63	NOTE: Loss Of X-Band Signal		
1142	M1O	04-353/12:10:00.0	14	Begin Pre-Cal		
1143	M1O	04-353/12:10:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1144	M1O	04-353/12:10:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1145	M1O	04-353/12:10:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1146	M1O	04-353/12:10:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1147	M1O	04-353/12:10:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
1148	M1O	04-353/12:10:00.0	14	Config: RCV: Parms:		
1149	M1O	04-353/12:10:00.0	14	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
1150	M1O	04-353/12:10:00.0	14	Config: TGC: BAND=X, SR=238896.000000		
1151	M1O	04-353/12:10:00.0	14	Config: TXL		
1152	M1O	04-353/12:10:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1153	M1O	04-353/12:10:00.0	14	Config: CMD		
1154	M1O	04-353/12:10:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1155	M1O	04-353/12:14:55.1		NOTE: Exit Earth Occultation 13361		04-353/11:55:30.6
1156	M1O	04-353/12:14:55.1	63	Acquisition Of X-Band Signal		
1157	M1O	04-353/12:14:55.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1158	M1O	04-353/12:15:16.8		NOTE: Ascending Node Crossing 13361		04-353/11:55:52.3
1159	M1O	04-353/12:15:26.0	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1160	M1O	04-353/12:17:03.7		NOTE: Exit Planetary Atmosphere 13361		04-353/11:57:39.3
1161	M1O	04-353/12:20:27.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-353/12:01:03.1
1162	M1O	04-353/12:20:27.6	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1163	M1O	04-353/12:20:28.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-353/12:01:04.1
1164	M1O	04-353/12:45:11.6		NOTE: North Pole Crossing 13361		04-353/12:25:47.2
1165	M1O	04-353/12:46:29.5		NOTE: Apoapsis 13361 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1187	M1O	04-353/14:00:44.1	14	NOTE: Loss Of X-Band Signal		
1188	M1O	04-353/14:13:30.1		NOTE: Exit Earth Occultation 13362		04-353/13:54:05.9
1189	M1O	04-353/14:13:30.1	14	Acquisition Of X-Band Signal		
1190	M1O	04-353/14:13:30.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1191	M1O	04-353/14:13:52.3		NOTE: Ascending Node Crossing 13362		04-353/13:54:28.0
1192	M1O	04-353/14:15:00.0	63	End Post-Cal		
1193	M1O	04-353/14:15:39.0		NOTE: Exit Planetary Atmosphere 13362		04-353/13:56:14.8
1194	M1O	04-353/14:19:48.5	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1195	M1O	04-353/14:24:48.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-353/14:05:24.6
1196	M1O	04-353/14:24:48.9	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1197	M1O	04-353/14:24:49.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-353/14:05:25.6
1198	M1O	04-353/14:43:46.8		NOTE: North Pole Crossing 13362		04-353/14:24:22.6
1199	M1O	04-353/14:45:00.0	15	Begin Pre-Cal		
1200	M1O	04-353/14:45:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1201	M1O	04-353/14:45:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1202	M1O	04-353/14:45:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1203	M1O	04-353/14:45:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1204	M1O	04-353/14:45:00.0	15	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
1205	M1O	04-353/14:45:00.0	15	Config: RCV: Parms:		
1206	M1O	04-353/14:45:00.0	15	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
1207	M1O	04-353/14:45:00.0	15	Config: TGC: BAND=X, SR=238896.000000		
1208	M1O	04-353/14:45:00.0	15	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
1209	M1O	04-353/14:45:27.0		NOTE: Apoapsis 13362 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1235	M1O	04-353/16:15:00.0	15	Begin Tracking		
1236	M1O	04-353/16:15:00.0	15	Acquire D/L: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1237	M1O	04-353/16:17:41.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-353/15:58:17.6
1238	M1O	04-353/16:17:41.6	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1239	M1O	04-353/16:17:41.6	15	D/L Change: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1240	M1O	04-353/16:17:42.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-353/15:58:18.6
1241	M1O	04-353/16:23:49.0	14	Range Modulation Off		
1242	M1O	04-353/16:28:49.0	14	X-Band Transmitter Off		
1243	M1O	04-353/16:33:57.4		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	04-353/16:14:33.5
1244	M1O	04-353/16:33:59.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-353/16:14:35.6
1245	M1O	04-353/16:33:59.5	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1246	M1O	04-353/16:33:59.5	15	D/L Change: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1247	M1O	04-353/16:34:00.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-353/16:14:36.6
1248	M1O	04-353/16:34:59.4		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-353/16:15:35.5
1249	M1O	04-353/16:34:59.4		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-353/16:15:35.5
1250	M1O	04-353/16:34:59.4	14	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1251	M1O	04-353/16:34:59.4	15	D/L Change: X/08, 3-Way/14, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1252	M1O	04-353/16:35:00.0	14	End Tracking		
1253	M1O	04-353/16:39:59.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-353/16:20:35.6
1254	M1O	04-353/16:39:59.5	15	D/L Change: X/08, 3-Way/14, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1255	M1O	04-353/16:40:00.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-353/16:20:36.6
1256	M1O	04-353/16:42:22.6		NOTE: North Pole Crossing 13363		04-353/16:22:58.7
1257	M1O	04-353/16:44:42.2		NOTE: Apoapsis 13363 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_auto_rexmit.cfg,		
1270	M1O	04-353/16:55:27.6	15	D/L Change: X/08, 3-Way/14, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1271	M1O	04-353/17:05:28.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-353/16:46:04.8
1272	M1O	04-353/17:05:28.6	15	D/L Change: X/08, 3-Way/14, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1273	M1O	04-353/17:05:29.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-353/16:46:05.8
1274	M1O	04-353/17:05:45.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-353/16:46:21.8
1275	M1O	04-353/17:05:45.6	15	D/L RF Warning: SC antenna change - expect signal level variation		
1276	M1O	04-353/17:05:46.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-353/16:46:22.8
1277	M1O	04-353/17:06:14.9		CALL, Engine = , Parameters = FALSE	park_hga	04-353/16:46:51.1
1278	M1O	04-353/17:06:14.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-353/16:46:51.1
1279	M1O	04-353/17:06:15.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-353/16:46:52.1
1280	M1O	04-353/17:06:16.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-353/16:46:53.1
1281	M1O	04-353/17:06:16.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-353/16:46:53.1
1282	M1O	04-353/17:06:16.9		NOTE: START HGA PARK		
1283	M1O	04-353/17:06:16.9	15	NOTE: Loss Of X-Band Signal		
1284	M1O	04-353/17:06:17.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-353/16:46:54.1
1285	M1O	04-353/17:06:18.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-353/16:46:55.1
1286	M1O	04-353/17:10:48.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-353/16:51:25.1
1287	M1O	04-353/17:12:20.1		NOTE: Descending Node Crossing 13364		04-353/16:52:56.2
1288	M1O	04-353/17:14:18.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-353/16:54:55.1
1289	M1O	04-353/17:14:18.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-353/16:54:55.1
1290	M1O	04-353/17:41:43.6		NOTE: South Pole Crossing 13364		04-353/17:22:19.9
1291	M1O	04-353/17:43:28.1		NOTE: Periapsis 13364		04-353/17:24:04.3

1292	M1O	04-353/17:44:18.7		GV: GV_DESAT_ACTIVE = 1		04-353/17:24:55.0
1293	M1O	04-353/17:44:19.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-353/17:24:56.0
1294	M1O	04-353/17:44:19.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-353/17:24:56.0
1295	M1O	04-353/17:54:18.7		GV: GV_DESAT_ACTIVE = 0		04-353/17:34:55.0
1296	M1O	04-353/17:54:19.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-353/17:34:56.0
1297	M1O	04-353/17:54:20.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-353/17:34:57.0
1298	M1O	04-353/17:54:21.7		CALL, Engine = , Parameters =	unpark_hga	04-353/17:34:58.0
1299	M1O	04-353/17:54:21.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-353/17:34:58.0
1300	M1O	04-353/17:54:22.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-353/17:34:59.0
1301	M1O	04-353/17:55:42.7		NOTE: Enter Planetary Atmosphere 13364		04-353/17:36:18.9
1302	M1O	04-353/17:57:53.2		NOTE: Enter Earth Occultation 13364		04-353/17:38:29.4
1303	M1O	04-353/17:58:52.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-353/17:39:29.0
1304	M1O	04-353/17:58:53.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-353/17:39:30.0
1305	M1O	04-353/18:02:53.7		NOTE: EXIT HGA PARK		
1306	M1O	04-353/18:10:25.0		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-353/17:51:01.2
1307	M1O	04-353/18:10:25.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-353/17:51:01.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1308	M1O	04-353/18:10:26.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-353/17:51:02.3
1309	M1O	04-353/18:10:27.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-353/17:51:03.3
1310	M1O	04-353/18:10:28.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-353/17:51:04.3
1311	M1O	04-353/18:10:29.1		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-353/17:51:05.3
1312	M1O	04-353/18:10:39.1		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-353/17:51:15.3
1313	M1O	04-353/18:10:49.1		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-353/17:51:25.3
1314	M1O	04-353/18:10:49.2		NOTE: Exit Earth Occultation 13364		04-353/17:51:25.5
1315	M1O	04-353/18:10:49.2	15	Acquisition Of X-Band Signal		
1316	M1O	04-353/18:10:49.2	15	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1317	M1O	04-353/18:11:03.5		NOTE: Ascending Node Crossing 13364		04-353/17:51:39.7
1318	M1O	04-353/18:12:56.9		NOTE: Exit Planetary Atmosphere 13364		04-353/17:53:33.1
1319	M1O	04-353/18:17:49.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-353/17:58:25.3
1320	M1O	04-353/18:17:50.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-353/17:58:26.3
1321	M1O	04-353/18:17:50.1	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1322	M1O	04-353/18:17:51.1		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-353/17:58:27.3
1323	M1O	04-353/18:40:57.5		NOTE: North Pole Crossing 13364		04-353/18:21:33.8
1324	M1O	04-353/18:43:25.6		NOTE: Apoapsis 13364 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1352	M1O	04-353/20:30:00.0	45	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
1353	M1O	04-353/20:39:29.7		NOTE: North Pole Crossing 13365		04-353/20:20:06.3
1354	M1O	04-353/20:41:38.2		NOTE: Apoapsis 13365 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1396	M1O	04-354/00:06:37.9		NOTE: Ascending Node Crossing 13367		04-353/23:47:14.9
1397	M1O	04-354/00:08:34.2		NOTE: Exit Planetary Atmosphere 13367		04-353/23:49:11.2
1398	M1O	04-354/00:11:27.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-353/23:52:04.2
1399	M1O	04-354/00:11:27.2	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1400	M1O	04-354/00:11:28.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-353/23:52:05.2
1401	M1O	04-354/00:22:45.5		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	04-354/00:03:22.5
1402	M1O	04-354/00:22:47.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-354/00:03:24.6
1403	M1O	04-354/00:22:47.6	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1404	M1O	04-354/00:22:48.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-354/00:03:25.6
1405	M1O	04-354/00:23:46.0	45	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1406	M1O	04-354/00:28:47.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-354/00:09:24.6
1407	M1O	04-354/00:28:47.6	45	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1408	M1O	04-354/00:28:48.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-354/00:09:25.6
1409	M1O	04-354/00:36:31.9		NOTE: North Pole Crossing 13367		04-354/00:17:08.9
1410	M1O	04-354/00:38:39.8		NOTE: Apoapsis 13367 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1438	M1O	04-354/02:37:11.9		NOTE: Apoapsis 13368 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1485	M1O	04-354/05:33:04.0		NOTE: South Pole Crossing 13370		04-354/05:13:41.7
1486	M1O	04-354/05:34:18.1		NOTE: Periapsis 13370		04-354/05:14:55.7

1487	M1O	04-354/05:46:44.0	45	NOTE: Below Uplink Interlock Limit		
1488	M1O	04-354/05:47:04.9		NOTE: Enter Planetary Atmosphere 13370		04-354/05:27:42.6
1489	M1O	04-354/05:47:42.3		SPAWN, Engine = 65535, Parameters = 00:19:32.029	dpt	04-354/05:28:20.0
1490	M1O	04-354/05:47:44.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-354/05:28:22.1
1491	M1O	04-354/05:47:44.4	45	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1492	M1O	04-354/05:47:45.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-354/05:28:23.1
1493	M1O	04-354/05:48:43.6	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1494	M1O	04-354/05:49:14.9		NOTE: Enter Earth Occultation 13370		04-354/05:29:52.6
1495	M1O	04-354/05:49:14.9	45	NOTE: Loss Of X-Band Signal		
1496	M1O	04-354/05:49:59.3		NOTE: Changing to 70M downlink rate: 39816_BPS		04-354/05:30:37.0
1497	M1O	04-354/05:49:59.3		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	04-354/05:30:37.0
1498	M1O	04-354/05:50:00.0	63	Begin Tracking		
1499	M1O	04-354/06:00:00.0	45	End Tracking		
1500	M1O	04-354/06:02:15.6		NOTE: Exit Earth Occultation 13370		04-354/05:42:53.3
1501	M1O	04-354/06:02:15.6	63	Acquisition Of X-Band Signal		
1502	M1O	04-354/06:02:15.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1503	M1O	04-354/06:02:23.4		NOTE: Ascending Node Crossing 13370		04-354/05:43:01.2
1504	M1O	04-354/06:04:22.5		NOTE: Exit Planetary Atmosphere 13370		04-354/05:45:00.3
1505	M1O	04-354/06:07:15.0	63	NOTE: Above Uplink Interlock Limit		
1506	M1O	04-354/06:07:16.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-354/05:47:54.2
1507	M1O	04-354/06:07:16.4	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1508	M1O	04-354/06:07:17.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-354/05:47:55.2
1509	M1O	04-354/06:10:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1510	M1O	04-354/06:15:00.0	45	End Post-Cal		
1511	M1O	04-354/06:15:00.0	63	Range Modulation On: SUP=3.0dB		
1512	M1O	04-354/06:16:00.0	63	Begin Ranging Acquisition		
1513	M1O	04-354/06:32:18.2		NOTE: North Pole Crossing 13370		04-354/06:12:56.0
1514	M1O	04-354/06:33:58.3		NOTE: Apoapsis 13370 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1528	M1O	04-354/07:19:23.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-354/07:00:01.1
1529	M1O	04-354/07:19:24.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-354/07:00:02.1
1530	M1O	04-354/07:20:25.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-354/07:01:03.0
1531	M1O	04-354/07:20:25.2		NOTE: Start Block fsw_diag		04-354/07:01:03.2
1532	M1O	04-354/07:20:26.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-354/07:01:04.2
1533	M1O	04-354/07:20:27.2		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	04-354/07:01:05.2
1534	M1O	04-354/07:20:38.2		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	04-354/07:01:16.2
1535	M1O	04-354/07:21:08.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-354/07:01:46.2
1536	M1O	04-354/07:21:28.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-354/07:02:06.2
1537	M1O	04-354/07:21:38.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-354/07:02:16.2
1538	M1O	04-354/07:21:58.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-354/07:02:36.2
1539	M1O	04-354/07:22:08.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-354/07:02:46.2
1540	M1O	04-354/07:22:13.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-354/07:02:51.2
1541	M1O	04-354/07:22:18.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-354/07:02:56.2
1542	M1O	04-354/07:22:23.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-354/07:03:01.2
1543	M1O	04-354/07:22:28.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-354/07:03:06.2
1544	M1O	04-354/07:22:33.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-354/07:03:11.2
1545	M1O	04-354/07:22:39.0	63	TXR On: PWR=20.0, Band=X		
1546	M1O	04-354/07:23:13.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-354/07:03:51.2
1547	M1O	04-354/07:23:18.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-354/07:03:56.2
1548	M1O	04-354/07:23:23.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-354/07:04:01.2
1549	M1O	04-354/07:23:28.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-354/07:04:06.2
1550	M1O	04-354/07:23:33.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-354/07:04:11.2
1551	M1O	04-354/07:23:34.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-354/07:04:12.2
1552	M1O	04-354/07:23:35.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-354/07:04:13.2
1553	M1O	04-354/07:23:36.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-354/07:04:14.2
1554	M1O	04-354/07:23:47.2		NOTE: End Block fsw_diag.mod		04-354/07:04:25.2
1555	M1O	04-354/07:27:39.0	63	Range Modulation On: SUP=3.0dB		
1556	M1O	04-354/07:28:39.0	63	Begin Ranging Acquisition		
1557	M1O	04-354/07:31:38.4		NOTE: South Pole Crossing 13371		04-354/07:12:16.3
1558	M1O	04-354/07:32:56.4		NOTE: Periapsis 13371		04-354/07:13:34.4

1559	M1O	04-354/07:45:43.4		NOTE: Enter Planetary Atmosphere 13371		04-354/07:26:21.3
1560	M1O	04-354/07:46:21.3		SPAWN, Engine = 65535, Parameters = 00:20:00	dpt	04-354/07:26:59.3
1561	M1O	04-354/07:46:23.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-354/07:27:01.4
1562	M1O	04-354/07:46:23.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1563	M1O	04-354/07:46:24.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-354/07:27:02.4
1564	M1O	04-354/07:47:23.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1565	M1O	04-354/07:47:53.7		NOTE: Enter Earth Occultation 13371		04-354/07:28:31.7
1566	M1O	04-354/07:47:53.7	63	NOTE: Loss Of X-Band Signal		
1567	M1O	04-354/08:00:52.1		NOTE: Exit Earth Occultation 13371		04-354/07:41:30.1
1568	M1O	04-354/08:00:52.1	63	Acquisition Of X-Band Signal		
1569	M1O	04-354/08:00:52.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1570	M1O	04-354/08:00:57.7		NOTE: Ascending Node Crossing 13371		04-354/07:41:35.7
1571	M1O	04-354/08:01:23.1	63	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
1572	M1O	04-354/08:02:59.4		NOTE: Exit Planetary Atmosphere 13371		04-354/07:43:37.4
1573	M1O	04-354/08:06:23.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-354/07:47:01.4
1574	M1O	04-354/08:06:23.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1575	M1O	04-354/08:06:24.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-354/07:47:02.4
1576	M1O	04-354/08:30:51.2		NOTE: North Pole Crossing 13371		04-354/08:11:29.3
1577	M1O	04-354/08:32:41.4		NOTE: Apoapsis 13371 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1616	M1O	04-354/11:43:22.8		SPAWN, Engine = 65535, Parameters = 00:20:00	dpt	04-354/11:24:01.3
1617	M1O	04-354/11:43:24.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-354/11:24:03.4
1618	M1O	04-354/11:43:24.9	63	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	04-354/11:43:25.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-354/11:24:04.4
1620	M1O	04-354/11:44:24.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1621	M1O	04-354/11:44:54.9		NOTE: Enter Earth Occultation 13373		04-354/11:25:33.4
1622	M1O	04-354/11:44:54.9	63	NOTE: Loss Of X-Band Signal		
1623	M1O	04-354/11:45:00.0	26	Begin Pre-Cal		
1624	M1O	04-354/11:45:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1625	M1O	04-354/11:45:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1626	M1O	04-354/11:45:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1627	M1O	04-354/11:45:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1628	M1O	04-354/11:45:00.0	26	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
1629	M1O	04-354/11:45:00.0	26	Config: RCV: Parms:		
1630	M1O	04-354/11:45:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
1631	M1O	04-354/11:45:00.0	26	Config: TGC: BAND=X, SR=238896.000000		
1632	M1O	04-354/11:45:00.0	26	Config: TXL		
1633	M1O	04-354/11:45:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1634	M1O	04-354/11:45:00.0	26	Config: CMD		
1635	M1O	04-354/11:45:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1636	M1O	04-354/11:57:53.7		NOTE: Exit Earth Occultation 13373		04-354/11:38:32.2
1637	M1O	04-354/11:57:53.7	63	Acquisition Of X-Band Signal		
1638	M1O	04-354/11:57:53.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1639	M1O	04-354/11:57:58.3		NOTE: Ascending Node Crossing 13373		04-354/11:38:36.8
1640	M1O	04-354/11:58:24.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1641	M1O	04-354/12:00:00.9		NOTE: Exit Planetary Atmosphere 13373		04-354/11:40:39.4
1642	M1O	04-354/12:03:24.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-354/11:44:03.4
1643	M1O	04-354/12:03:24.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1644	M1O	04-354/12:03:25.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-354/11:44:04.4
1645	M1O	04-354/12:27:53.0		NOTE: North Pole Crossing 13373		04-354/12:08:31.5
1646	M1O	04-354/12:29:28.7		NOTE: Apoapsis 13373 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1663	M1O	04-354/13:41:59.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1664	M1O	04-354/13:42:00.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-354/13:22:39.6
1665	M1O	04-354/13:42:59.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1666	M1O	04-354/13:43:30.6		NOTE: Enter Earth Occultation 13374		04-354/13:24:09.3
1667	M1O	04-354/13:43:30.6	63	NOTE: Loss Of X-Band Signal		
1668	M1O	04-354/13:45:00.0	26	Begin Tracking		
1669	M1O	04-354/13:46:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1670	M1O	04-354/13:47:32.0	63	NOTE: Below Uplink Interlock Limit		
1671	M1O	04-354/13:51:00.0	26	Range Modulation On: SUP=3.0dB		
1672	M1O	04-354/13:52:00.0	26	Begin Ranging Acquisition		
1673	M1O	04-354/13:56:24.9		NOTE: Exit Earth Occultation 13374		04-354/13:37:03.7
1674	M1O	04-354/13:56:24.9	63	Acquisition Of X-Band Signal		
1675	M1O	04-354/13:56:24.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1676	M1O	04-354/13:56:24.9	26	Acquisition Of X-Band Signal		
1677	M1O	04-354/13:56:24.9	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1678	M1O	04-354/13:56:32.2		NOTE: Ascending Node Crossing 13374		04-354/13:37:11.0
1679	M1O	04-354/13:56:56.6	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1680	M1O	04-354/13:56:56.6	26	Acquire D/L: X/08, 3-Way/63, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1681	M1O	04-354/13:58:32.6		NOTE: Exit Planetary Atmosphere 13374		04-354/13:39:11.4
1682	M1O	04-354/14:04:59.7		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-354/13:45:38.5
1683	M1O	04-354/14:04:59.7		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-354/13:45:38.5
1684	M1O	04-354/14:04:59.7	63	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1685	M1O	04-354/14:04:59.7	26	D/L Change: X/08, 3-Way/63, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1686	M1O	04-354/14:05:00.0	63	End Tracking		
1687	M1O	04-354/14:13:42.5	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1688	M1O	04-354/14:20:00.0	63	End Post-Cal		
1689	M1O	04-354/14:24:42.5	26	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1690	M1O	04-354/14:26:27.3		NOTE: North Pole Crossing 13374		04-354/14:07:06.1
1691	M1O	04-354/14:28:01.0		NOTE: Apoapsis 13374 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1710	M1O	04-354/15:21:52.0	26	Range Modulation On: SUP=3.0dB		
1711	M1O	04-354/15:22:52.0	26	Begin Ranging Acquisition		
1712	M1O	04-354/15:25:48.4		NOTE: South Pole Crossing 13375		04-354/15:06:27.3
1713	M1O	04-354/15:27:03.9		NOTE: Periapsis 13375		04-354/15:07:42.8

1714	M1O	04-354/15:39:57.6		NOTE: Enter Planetary Atmosphere 13375		04-354/15:20:36.5
1715	M1O	04-354/15:40:35.6		SPAWN, Engine = 65535, Parameters = 00:19:57	dpt	04-354/15:21:14.5
1716	M1O	04-354/15:40:37.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-354/15:21:16.6
1717	M1O	04-354/15:40:37.7	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1718	M1O	04-354/15:40:38.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-354/15:21:17.6
1719	M1O	04-354/15:41:37.2	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1720	M1O	04-354/15:42:08.1		NOTE: Enter Earth Occultation 13375		04-354/15:22:47.1
1721	M1O	04-354/15:42:08.1	26	NOTE: Loss Of X-Band Signal		
1722	M1O	04-354/15:55:03.3		NOTE: Exit Earth Occultation 13375		04-354/15:35:42.3
1723	M1O	04-354/15:55:03.3	26	Acquisition Of X-Band Signal		
1724	M1O	04-354/15:55:03.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1725	M1O	04-354/15:55:08.8		NOTE: Ascending Node Crossing 13375		04-354/15:35:47.8
1726	M1O	04-354/15:55:34.1	26	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1727	M1O	04-354/15:56:33.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
1728	M1O	04-354/15:57:10.8		NOTE: Exit Planetary Atmosphere 13375		04-354/15:37:49.8
1729	M1O	04-354/16:00:34.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-354/15:41:13.6
1730	M1O	04-354/16:00:34.7	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1731	M1O	04-354/16:00:35.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-354/15:41:14.6
1732	M1O	04-354/16:06:33.0	26	Range Modulation Off		
1733	M1O	04-354/16:11:33.0	26	X-Band Transmitter Off		
1734	M1O	04-354/16:25:03.2		NOTE: North Pole Crossing 13375		04-354/16:05:42.3
1735	M1O	04-354/16:27:13.0		NOTE: Apoapsis 13375 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1750	M1O	04-354/16:48:10.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-354/16:28:49.8
1751	M1O	04-354/16:48:26.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-354/16:29:05.8
1752	M1O	04-354/16:48:26.7	26	D/L RF Warning: SC antenna change - expect signal level variation		
1753	M1O	04-354/16:48:27.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-354/16:29:06.8
1754	M1O	04-354/16:48:56.0		CALL, Engine = , Parameters = FALSE	park_hga	04-354/16:29:35.1
1755	M1O	04-354/16:48:56.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-354/16:29:35.1
1756	M1O	04-354/16:48:57.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-354/16:29:36.1
1757	M1O	04-354/16:48:58.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-354/16:29:37.1
1758	M1O	04-354/16:48:58.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-354/16:29:37.1
1759	M1O	04-354/16:48:58.0		NOTE: START HGA PARK		
1760	M1O	04-354/16:48:58.0	26	NOTE: Loss Of X-Band Signal		
1761	M1O	04-354/16:48:59.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-354/16:29:38.1
1762	M1O	04-354/16:49:00.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-354/16:29:39.1
1763	M1O	04-354/16:53:29.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-354/16:34:09.1
1764	M1O	04-354/16:55:01.1		NOTE: Descending Node Crossing 13376		04-354/16:35:40.2
1765	M1O	04-354/16:56:59.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-354/16:37:39.1
1766	M1O	04-354/16:56:59.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-354/16:37:39.1
1767	M1O	04-354/17:15:33.0	26	TXR On: PWR=20.0, Band=X		
1768	M1O	04-354/17:20:33.0	26	Range Modulation On: SUP=3.0dB		
1769	M1O	04-354/17:21:33.0	26	Begin Ranging Acquisition		
1770	M1O	04-354/17:24:24.8		NOTE: South Pole Crossing 13376		04-354/17:05:04.0
1771	M1O	04-354/17:26:08.5		NOTE: Periapsis 13376		04-354/17:06:47.6

1772	M1O	04-354/17:26:59.8		GV: GV_DESAT_ACTIVE = 1		04-354/17:07:39.0
1773	M1O	04-354/17:27:00.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-354/17:07:40.0
1774	M1O	04-354/17:27:00.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-354/17:07:40.0
1775	M1O	04-354/17:34:59.3		NOTE: Changing to 70M downlink rate: 39816_BPS		04-354/17:15:38.5
1776	M1O	04-354/17:34:59.3		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	04-354/17:15:38.5
1777	M1O	04-354/17:35:00.0	43	Begin Tracking		
1778	M1O	04-354/17:35:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
1779	M1O	04-354/17:36:59.8		GV: GV_DESAT_ACTIVE = 0		04-354/17:17:39.0
1780	M1O	04-354/17:37:00.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-354/17:17:40.0
1781	M1O	04-354/17:37:01.8		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-354/17:17:41.0
1782	M1O	04-354/17:37:02.8		CALL, Engine = , Parameters =	unpark_hga	04-354/17:17:42.0
1783	M1O	04-354/17:37:02.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-354/17:17:42.0
1784	M1O	04-354/17:37:03.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-354/17:17:43.0
1785	M1O	04-354/17:38:33.3		NOTE: Enter Planetary Atmosphere 13376		04-354/17:19:12.4
1786	M1O	04-354/17:40:32.0	43	NOTE: Above Uplink Interlock Limit		
1787	M1O	04-354/17:40:43.1		NOTE: Enter Earth Occultation 13376		04-354/17:21:22.3
1788	M1O	04-354/17:41:33.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-354/17:22:13.0
1789	M1O	04-354/17:41:34.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-354/17:22:14.0
1790	M1O	04-354/17:45:00.0	26	Range Modulation Off		
1791	M1O	04-354/17:45:34.7		NOTE: EXIT HGA PARK		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1792	M1O	04-354/17:50:00.0	26	X-Band Transmitter Off		
1793	M1O	04-354/17:53:18.6		SPAWN, Engine = 65535, Parameters = 00:07:31.714	cstr	04-354/17:33:57.8
1794	M1O	04-354/17:53:18.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-354/17:33:57.9
1795	M1O	04-354/17:53:19.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-354/17:33:58.9
1796	M1O	04-354/17:53:20.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-354/17:33:59.9
1797	M1O	04-354/17:53:21.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-354/17:34:00.9
1798	M1O	04-354/17:53:22.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-354/17:34:01.9
1799	M1O	04-354/17:53:32.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-354/17:34:11.9
1800	M1O	04-354/17:53:42.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-354/17:34:21.9
1801	M1O	04-354/17:53:43.6		NOTE: Exit Earth Occultation 13376		04-354/17:34:22.8
1802	M1O	04-354/17:53:43.6	43	Acquisition Of X-Band Signal		
1803	M1O	04-354/17:53:43.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1804	M1O	04-354/17:53:43.6	26	Acquisition Of X-Band Signal		
1805	M1O	04-354/17:53:43.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1806	M1O	04-354/17:53:44.8		NOTE: Ascending Node Crossing 13376		04-354/17:34:24.0
1807	M1O	04-354/17:54:14.6	43	Acquire D/L: X/08, 3-Way/26, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1808	M1O	04-354/17:54:14.6	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1809	M1O	04-354/17:55:00.0	26	End Tracking		
1810	M1O	04-354/17:55:00.0	26	End Post-Cal		
1811	M1O	04-354/17:55:50.5		NOTE: Exit Planetary Atmosphere 13376		04-354/17:36:29.7
1812	M1O	04-354/18:01:14.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-354/17:41:53.6
1813	M1O	04-354/18:01:15.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-354/17:41:54.6
1814	M1O	04-354/18:01:15.4	43	D/L Change: X/08, 3-Way/26, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1815	M1O	04-354/18:01:16.4		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-354/17:41:55.6
1816	M1O	04-354/18:23:39.0		NOTE: North Pole Crossing 13376		04-354/18:04:18.3
1817	M1O	04-354/18:26:14.8		NOTE: Apoapsis 13376 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
1832	M1O	04-354/19:38:15.3	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1833	M1O	04-354/19:38:16.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-354/19:18:55.7
1834	M1O	04-354/19:39:15.2		NOTE: Enter Earth Occultation 13377		04-354/19:19:54.6
1835	M1O	04-354/19:39:15.2	43	NOTE: Loss Of X-Band Signal		
1836	M1O	04-354/19:52:18.8		NOTE: Ascending Node Crossing 13377		04-354/19:32:58.3
1837	M1O	04-354/19:52:22.5		NOTE: Exit Earth Occultation 13377		04-354/19:33:02.0
1838	M1O	04-354/19:52:22.5	43	Acquisition Of X-Band Signal		
1839	M1O	04-354/19:52:22.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1840	M1O	04-354/19:54:28.6		NOTE: Exit Planetary Atmosphere 13377		04-354/19:35:08.1
1841	M1O	04-354/19:57:22.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-354/19:38:02.1
1842	M1O	04-354/19:57:22.6	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1843	M1O	04-354/19:57:23.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-354/19:38:03.1
1844	M1O	04-354/20:22:12.8		NOTE: North Pole Crossing 13377		04-354/20:02:52.3
1845	M1O	04-354/20:24:44.0		NOTE: Apoapsis 13377 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1873	M1O	04-354/23:35:23.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-354/23:16:03.8
1874	M1O	04-354/23:36:22.8		NOTE: Enter Earth Occultation 13379		04-354/23:17:02.7
1875	M1O	04-354/23:36:22.8	43	NOTE: Loss Of X-Band Signal		
1876	M1O	04-354/23:49:21.3		NOTE: Ascending Node Crossing 13379		04-354/23:30:01.2
1877	M1O	04-354/23:49:26.3		NOTE: Exit Earth Occultation 13379		04-354/23:30:06.3
1878	M1O	04-354/23:49:26.3	43	Acquisition Of X-Band Signal		
1879	M1O	04-354/23:49:26.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1880	M1O	04-354/23:51:32.9		NOTE: Exit Planetary Atmosphere 13379		04-354/23:32:12.9
1881	M1O	04-354/23:54:26.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-354/23:35:06.4
1882	M1O	04-354/23:54:26.4	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1883	M1O	04-354/23:54:27.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-354/23:35:07.4
1884	M1O	04-355/00:00:00.0		Light Time: OWLT = 19:19, RTLT = 38:39		
1885	M1O	04-355/00:19:14.6		NOTE: North Pole Crossing 13379		04-354/23:59:54.7
1886	M1O	04-355/00:21:34.8		NOTE: Apoapsis 13379 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1916	M1O	04-355/01:47:57.9		NOTE: Exit Earth Occultation 13380		04-355/01:28:38.2
1917	M1O	04-355/01:47:57.9	43	Acquisition Of X-Band Signal		
1918	M1O	04-355/01:47:57.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1919	M1O	04-355/01:48:29.6	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1920	M1O	04-355/01:50:04.4		NOTE: Exit Planetary Atmosphere 13380		04-355/01:30:44.7
1921	M1O	04-355/01:53:29.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-355/01:34:10.1
1922	M1O	04-355/01:53:29.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1923	M1O	04-355/01:53:30.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-355/01:34:11.1
1924	M1O	04-355/02:17:48.3		NOTE: North Pole Crossing 13380		04-355/01:58:28.6
1925	M1O	04-355/02:20:09.9		NOTE: Apoapsis 13380 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1963	M1O	04-355/03:52:05.7	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1964	M1O	04-355/03:52:06.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-355/03:32:47.1
1965	M1O	04-355/04:16:24.0		NOTE: North Pole Crossing 13381		04-355/03:57:04.5
1966	M1O	04-355/04:18:37.5		NOTE: Apoapsis 13381 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
2007	M1O	04-355/06:12:41.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-355/05:53:21.9
2008	M1O	04-355/06:13:38.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2009	M1O	04-355/06:14:59.7		NOTE: North Pole Crossing 13382		04-355/05:55:40.5
2010	M1O	04-355/06:15:00.0	43	End Post-Cal		
2011	M1O	04-355/06:15:00.0	63	Range Modulation On: SUP=3.0dB		
2012	M1O	04-355/06:16:00.0	63	Begin Ranging Acquisition		
2013	M1O	04-355/06:16:57.5		NOTE: Apoapsis 13382 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2044	M1O	04-355/07:21:35.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-355/07:02:16.2
2045	M1O	04-355/07:21:55.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-355/07:02:36.2
2046	M1O	04-355/07:22:05.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-355/07:02:46.2
2047	M1O	04-355/07:22:10.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-355/07:02:51.2
2048	M1O	04-355/07:22:15.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-355/07:02:56.2
2049	M1O	04-355/07:22:20.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-355/07:03:01.2
2050	M1O	04-355/07:22:25.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-355/07:03:06.2
2051	M1O	04-355/07:22:30.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-355/07:03:11.2
2052	M1O	04-355/07:23:10.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-355/07:03:51.2
2053	M1O	04-355/07:23:15.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-355/07:03:56.2
2054	M1O	04-355/07:23:20.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-355/07:04:01.2
2055	M1O	04-355/07:23:25.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-355/07:04:06.2
2056	M1O	04-355/07:23:30.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-355/07:04:11.2
2057	M1O	04-355/07:23:31.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-355/07:04:12.2
2058	M1O	04-355/07:23:32.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-355/07:04:13.2
2059	M1O	04-355/07:23:33.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-355/07:04:14.2
2060	M1O	04-355/07:23:44.2		NOTE: End Block fsw_diag.mod		04-355/07:04:25.2
2061	M1O	04-355/07:28:32.9		NOTE: Enter Planetary Atmosphere 13383		04-355/07:09:13.9
2062	M1O	04-355/07:29:09.3		SPAWN, Engine = 65535, Parameters = 00:20:09	dpt	04-355/07:09:50.3
2063	M1O	04-355/07:29:11.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-355/07:09:52.4
2064	M1O	04-355/07:29:11.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2065	M1O	04-355/07:29:12.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-355/07:09:53.4
2066	M1O	04-355/07:30:11.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2067	M1O	04-355/07:30:42.1		NOTE: Enter Earth Occultation 13383		04-355/07:11:23.1
2068	M1O	04-355/07:30:42.1	63	NOTE: Loss Of X-Band Signal		
2069	M1O	04-355/07:34:59.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2070	M1O	04-355/07:43:40.0		NOTE: Ascending Node Crossing 13383		04-355/07:24:21.0
2071	M1O	04-355/07:43:48.9		NOTE: Exit Earth Occultation 13383		04-355/07:24:29.8
2072	M1O	04-355/07:43:48.9	63	Acquisition Of X-Band Signal		
2073	M1O	04-355/07:43:48.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2074	M1O	04-355/07:44:20.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2075	M1O	04-355/07:44:59.0	63	Range Modulation Off		
2076	M1O	04-355/07:45:55.0		NOTE: Exit Planetary Atmosphere 13383		04-355/07:26:36.0
2077	M1O	04-355/07:49:20.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-355/07:30:01.4
2078	M1O	04-355/07:49:20.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2079	M1O	04-355/07:49:21.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-355/07:30:02.4
2080	M1O	04-355/07:49:59.0	63	X-Band Transmitter Off		
2081	M1O	04-355/08:13:34.0		NOTE: North Pole Crossing 13383		04-355/07:54:15.0
2082	M1O	04-355/08:15:26.5		NOTE: Apoapsis 13383 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2090	M1O	04-355/08:33:38.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-355/08:14:19.4
2091	M1O	04-355/08:43:31.2		NOTE: Descending Node Crossing 13384		04-355/08:24:12.3
2092	M1O	04-355/09:12:53.6		NOTE: South Pole Crossing 13384		04-355/08:53:34.8
2093	M1O	04-355/09:14:20.4		NOTE: Periapsis 13384 ----------		04-355/08:55:01.6
2094	M1O	04-355/09:27:09.3		NOTE: Enter Planetary Atmosphere 13384		04-355/09:07:50.5
2095	M1O	04-355/09:28:16.7		SPAWN, Engine = 65535, Parameters = 00:19:05.387	dpt	04-355/09:08:57.9
2096	M1O	04-355/09:28:18.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-355/09:09:00.0
2097	M1O	04-355/09:28:18.8	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2098	M1O	04-355/09:28:19.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-355/09:09:01.0
2099	M1O	04-355/09:29:18.7		NOTE: Enter Earth Occultation 13384		04-355/09:09:59.9
2100	M1O	04-355/09:29:18.7	63	NOTE: Loss Of X-Band Signal		
2101	M1O	04-355/09:42:12.6		NOTE: Ascending Node Crossing 13384		04-355/09:22:53.8
2102	M1O	04-355/09:42:24.0		NOTE: Exit Earth Occultation 13384		04-355/09:23:05.2
2103	M1O	04-355/09:42:24.0	63	Acquisition Of X-Band Signal		
2104	M1O	04-355/09:42:24.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2105	M1O	04-355/09:44:30.4		NOTE: Exit Planetary Atmosphere 13384		04-355/09:25:11.6
2106	M1O	04-355/09:47:24.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-355/09:28:05.3
2107	M1O	04-355/09:47:24.1	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2108	M1O	04-355/09:47:25.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-355/09:28:06.3
2109	M1O	04-355/10:12:05.7		NOTE: North Pole Crossing 13384		04-355/09:52:47.0
2110	M1O	04-355/10:14:16.3		NOTE: Apoapsis 13384 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2134	M1O	04-355/11:40:54.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2135	M1O	04-355/11:43:00.5		NOTE: Exit Planetary Atmosphere 13385		04-355/11:23:42.0
2136	M1O	04-355/11:45:54.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-355/11:26:35.9
2137	M1O	04-355/11:45:54.4	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2138	M1O	04-355/11:45:55.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-355/11:26:36.9
2139	M1O	04-355/12:10:35.9		NOTE: North Pole Crossing 13385		04-355/11:51:17.4
2140	M1O	04-355/12:12:32.8		NOTE: Apoapsis 13385 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2179	M1O	04-355/14:40:00.0	15	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2180	M1O	04-355/15:08:28.9		NOTE: South Pole Crossing 13387		04-355/14:49:10.8
2181	M1O	04-355/15:09:37.2		NOTE: Periapsis 13387 ----------		04-355/14:50:19.1
2182	M1O	04-355/15:22:47.0		NOTE: Enter Planetary Atmosphere 13387		04-355/15:03:29.0
2183	M1O	04-355/15:23:54.7		SPAWN, Engine = 65535, Parameters = 00:26:02.869	dpt	04-355/15:04:36.6
2184	M1O	04-355/15:23:56.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-355/15:04:38.7
2185	M1O	04-355/15:23:56.8	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2186	M1O	04-355/15:23:57.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-355/15:04:39.7
2187	M1O	04-355/15:24:56.7		NOTE: Enter Earth Occultation 13387		04-355/15:05:38.6
2188	M1O	04-355/15:24:56.7	14	NOTE: Loss Of X-Band Signal		
2189	M1O	04-355/15:37:49.0		NOTE: Ascending Node Crossing 13387		04-355/15:18:30.9
2190	M1O	04-355/15:37:58.3		NOTE: Exit Earth Occultation 13387		04-355/15:18:40.2
2191	M1O	04-355/15:37:58.3	14	Acquisition Of X-Band Signal		
2192	M1O	04-355/15:37:58.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2193	M1O	04-355/15:40:00.0	15	Begin Tracking		
2194	M1O	04-355/15:40:00.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2195	M1O	04-355/15:40:04.9		NOTE: Exit Planetary Atmosphere 13387		04-355/15:20:46.9
2196	M1O	04-355/15:44:59.5		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-355/15:25:41.5
2197	M1O	04-355/15:44:59.5		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-355/15:25:41.5
2198	M1O	04-355/15:44:59.5	14	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2199	M1O	04-355/15:44:59.5	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2200	M1O	04-355/15:45:00.0	14	End Tracking		
2201	M1O	04-355/15:49:59.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-355/15:30:41.6
2202	M1O	04-355/15:49:59.6	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2203	M1O	04-355/15:50:00.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-355/15:30:42.6
2204	M1O	04-355/16:00:00.0	14	End Post-Cal		
2205	M1O	04-355/16:07:43.5		NOTE: North Pole Crossing 13387		04-355/15:48:25.5
2206	M1O	04-355/16:09:44.3		NOTE: Apoapsis 13387 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2219	M1O	04-355/16:30:51.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-355/16:11:33.8
2220	M1O	04-355/16:30:51.7	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2221	M1O	04-355/16:30:52.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-355/16:11:34.8
2222	M1O	04-355/16:31:08.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-355/16:11:50.8
2223	M1O	04-355/16:31:08.7	15	D/L RF Warning: SC antenna change - expect signal level variation		
2224	M1O	04-355/16:31:09.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-355/16:11:51.8
2225	M1O	04-355/16:31:38.0		CALL, Engine = , Parameters = FALSE	park_hga	04-355/16:12:20.1
2226	M1O	04-355/16:31:38.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-355/16:12:20.1
2227	M1O	04-355/16:31:39.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-355/16:12:21.1
2228	M1O	04-355/16:31:40.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-355/16:12:22.1
2229	M1O	04-355/16:31:40.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-355/16:12:22.1
2230	M1O	04-355/16:31:40.0		NOTE: START HGA PARK		
2231	M1O	04-355/16:31:40.0	15	NOTE: Loss Of X-Band Signal		
2232	M1O	04-355/16:31:41.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-355/16:12:23.1
2233	M1O	04-355/16:31:42.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-355/16:12:24.1
2234	M1O	04-355/16:36:12.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-355/16:16:54.1
2235	M1O	04-355/16:37:41.4		NOTE: Descending Node Crossing 13388		04-355/16:18:23.5
2236	M1O	04-355/16:39:42.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-355/16:20:24.1
2237	M1O	04-355/16:39:42.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-355/16:20:24.1
2238	M1O	04-355/16:58:33.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2239	M1O	04-355/17:03:33.0	15	Range Modulation On: SUP=3.0dB		
2240	M1O	04-355/17:04:33.0	15	Begin Ranging Acquisition		
2241	M1O	04-355/17:07:05.1		NOTE: South Pole Crossing 13388		04-355/16:47:47.3
2242	M1O	04-355/17:08:43.7		NOTE: Periapsis 13388		04-355/16:49:25.8

2243	M1O	04-355/17:09:41.8		GV: GV_DESAT_ACTIVE = 1		04-355/16:50:24.0
2244	M1O	04-355/17:09:42.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-355/16:50:25.0
2245	M1O	04-355/17:09:42.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-355/16:50:25.0
2246	M1O	04-355/17:19:41.8		GV: GV_DESAT_ACTIVE = 0		04-355/17:00:24.0
2247	M1O	04-355/17:19:42.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-355/17:00:25.0
2248	M1O	04-355/17:19:43.8		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-355/17:00:26.0
2249	M1O	04-355/17:19:44.8		CALL, Engine = , Parameters =	unpark_hga	04-355/17:00:27.0
2250	M1O	04-355/17:19:44.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-355/17:00:27.0
2251	M1O	04-355/17:19:45.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-355/17:00:28.0
2252	M1O	04-355/17:21:23.6		NOTE: Enter Planetary Atmosphere 13388		04-355/17:02:05.8
2253	M1O	04-355/17:23:32.7		NOTE: Enter Earth Occultation 13388		04-355/17:04:14.9
2254	M1O	04-355/17:24:15.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-355/17:04:58.0
2255	M1O	04-355/17:24:16.8		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-355/17:04:59.0
2256	M1O	04-355/17:28:16.8		NOTE: EXIT HGA PARK		
2257	M1O	04-355/17:36:12.9		SPAWN, Engine = 65535, Parameters = 00:07:31.390	cstr	04-355/17:16:55.1
2258	M1O	04-355/17:36:13.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-355/17:16:55.2
2259	M1O	04-355/17:36:14.0		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-355/17:16:56.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
2260	M1O	04-355/17:36:15.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-355/17:16:57.2
2261	M1O	04-355/17:36:16.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-355/17:16:58.2
2262	M1O	04-355/17:36:17.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-355/17:16:59.2
2263	M1O	04-355/17:36:25.2		NOTE: Ascending Node Crossing 13388		04-355/17:17:07.4
2264	M1O	04-355/17:36:27.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-355/17:17:09.2
2265	M1O	04-355/17:36:37.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-355/17:17:19.2
2266	M1O	04-355/17:36:37.9		NOTE: Exit Earth Occultation 13388		04-355/17:17:20.1
2267	M1O	04-355/17:36:37.9	15	Acquisition Of X-Band Signal		
2268	M1O	04-355/17:36:37.9	15	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2269	M1O	04-355/17:37:08.6	15	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2270	M1O	04-355/17:38:44.1		NOTE: Exit Planetary Atmosphere 13388		04-355/17:19:26.3
2271	M1O	04-355/17:44:08.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-355/17:24:50.6
2272	M1O	04-355/17:44:09.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-355/17:24:51.6
2273	M1O	04-355/17:44:09.4	15	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2274	M1O	04-355/17:44:10.4		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-355/17:24:52.6
2275	M1O	04-355/18:06:19.2		NOTE: North Pole Crossing 13388		04-355/17:47:01.5
2276	M1O	04-355/18:08:57.8		NOTE: Apoapsis 13388 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2306	M1O	04-355/19:20:35.4	45	D/L Change: X/08, 3-Way/15, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2307	M1O	04-355/19:20:36.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-355/19:01:18.9
2308	M1O	04-355/19:21:35.2	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2309	M1O	04-355/19:22:05.5		NOTE: Enter Earth Occultation 13389		04-355/19:02:47.9
2310	M1O	04-355/19:22:05.5	45	NOTE: Loss Of X-Band Signal		
2311	M1O	04-355/19:34:59.9		NOTE: Ascending Node Crossing 13389		04-355/19:15:42.4
2312	M1O	04-355/19:35:00.0	15	End Post-Cal		
2313	M1O	04-355/19:35:17.1		NOTE: Exit Earth Occultation 13389		04-355/19:15:59.6
2314	M1O	04-355/19:35:17.1	45	Acquisition Of X-Band Signal		
2315	M1O	04-355/19:35:17.1	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2316	M1O	04-355/19:35:48.1	45	Acquire D/L: X/08, 3-Way/15, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2317	M1O	04-355/19:37:22.6		NOTE: Exit Planetary Atmosphere 13389		04-355/19:18:05.0
2318	M1O	04-355/19:40:48.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-355/19:21:30.9
2319	M1O	04-355/19:40:48.4	45	D/L Change: X/08, 3-Way/15, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2320	M1O	04-355/19:40:49.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-355/19:21:31.9
2321	M1O	04-355/19:52:33.3		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	04-355/19:33:15.8
2322	M1O	04-355/19:52:35.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-355/19:33:17.9
2323	M1O	04-355/19:52:35.4	45	D/L Change: X/08, 3-Way/15, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2324	M1O	04-355/19:52:36.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-355/19:33:18.9
2325	M1O	04-355/19:53:35.1	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2326	M1O	04-355/19:58:35.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-355/19:39:17.9
2327	M1O	04-355/19:58:35.4	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2328	M1O	04-355/19:58:36.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-355/19:39:18.9
2329	M1O	04-355/20:04:53.9		NOTE: North Pole Crossing 13389		04-355/19:45:36.5
2330	M1O	04-355/20:07:38.3		NOTE: Apoapsis 13389 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2345	M1O	04-355/21:35:58.1		NOTE: Exit Planetary Atmosphere 13390		04-355/21:16:40.8
2346	M1O	04-355/21:38:53.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-355/21:19:35.9
2347	M1O	04-355/21:38:53.2	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2348	M1O	04-355/21:38:54.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-355/21:19:36.9
2349	M1O	04-355/22:03:26.0		NOTE: North Pole Crossing 13390		04-355/21:44:08.8
2350	M1O	04-355/22:05:50.5		NOTE: Apoapsis 13390 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2387	M1O	04-356/01:32:59.5		NOTE: Exit Planetary Atmosphere 13392		04-356/01:13:42.8
2388	M1O	04-356/01:35:54.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-356/01:16:37.2
2389	M1O	04-356/01:35:54.0	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2390	M1O	04-356/01:35:55.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-356/01:16:38.2
2391	M1O	04-356/01:42:31.8		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	04-356/01:23:15.0
2392	M1O	04-356/01:42:33.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-356/01:23:17.1
2393	M1O	04-356/01:42:33.9	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2394	M1O	04-356/01:42:34.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-356/01:23:18.1
2395	M1O	04-356/01:43:33.6	45	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2396	M1O	04-356/01:48:33.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-356/01:29:17.1
2397	M1O	04-356/01:48:33.9	45	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2398	M1O	04-356/01:48:34.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-356/01:29:18.1
2399	M1O	04-356/02:00:28.3		NOTE: North Pole Crossing 13392		04-356/01:41:11.5
2400	M1O	04-356/02:02:53.7		NOTE: Apoapsis 13392 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2429	M1O	04-356/03:50:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
2430	M1O	04-356/03:50:00.0	63	Config: RCV: Parms:		
2431	M1O	04-356/03:50:00.0	63	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
2432	M1O	04-356/03:50:00.0	63	Config: TGC: BAND=X, SR=238896.000000		
2433	M1O	04-356/03:50:00.0	63	Config: TXL		
2434	M1O	04-356/03:50:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2435	M1O	04-356/03:50:00.0	63	Config: CMD		
2436	M1O	04-356/03:50:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2437	M1O	04-356/03:59:03.2		NOTE: North Pole Crossing 13393		04-356/03:39:46.8
2438	M1O	04-356/04:01:24.2		NOTE: Apoapsis 13393 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
2474	M1O	04-356/05:54:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-356/05:35:43.1
2475	M1O	04-356/05:54:59.3	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2476	M1O	04-356/05:54:59.3	63	D/L Change: X/08, 3-Way/45, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2477	M1O	04-356/05:55:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-356/05:35:44.1
2478	M1O	04-356/05:57:39.1		NOTE: North Pole Crossing 13394		04-356/05:38:22.9
2479	M1O	04-356/05:59:48.6		NOTE: Apoapsis 13394 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2513	M1O	04-356/07:11:56.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-356/06:52:40.4
2514	M1O	04-356/07:11:56.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2515	M1O	04-356/07:11:57.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-356/06:52:41.4
2516	M1O	04-356/07:12:56.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2517	M1O	04-356/07:13:27.1		NOTE: Enter Earth Occultation 13395		04-356/06:54:11.1
2518	M1O	04-356/07:13:27.1	63	NOTE: Loss Of X-Band Signal		
2519	M1O	04-356/07:19:16.0		SPAWN, Engine = 65535, Parameters =	scdiag	04-356/07:00:00.0
2520	M1O	04-356/07:19:17.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-356/07:00:01.1
2521	M1O	04-356/07:19:18.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-356/07:00:02.1
2522	M1O	04-356/07:20:19.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-356/07:01:03.0
2523	M1O	04-356/07:20:19.2		NOTE: Start Block fsw_diag		04-356/07:01:03.2
2524	M1O	04-356/07:20:20.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-356/07:01:04.2
2525	M1O	04-356/07:20:21.2		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	04-356/07:01:05.2
2526	M1O	04-356/07:20:32.2		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	04-356/07:01:16.2
2527	M1O	04-356/07:21:02.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-356/07:01:46.2
2528	M1O	04-356/07:21:22.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-356/07:02:06.2
2529	M1O	04-356/07:21:32.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-356/07:02:16.2
2530	M1O	04-356/07:21:52.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-356/07:02:36.2
2531	M1O	04-356/07:22:02.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-356/07:02:46.2
2532	M1O	04-356/07:22:07.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-356/07:02:51.2
2533	M1O	04-356/07:22:12.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-356/07:02:56.2
2534	M1O	04-356/07:22:17.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-356/07:03:01.2
2535	M1O	04-356/07:22:22.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-356/07:03:06.2
2536	M1O	04-356/07:22:27.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-356/07:03:11.2
2537	M1O	04-356/07:23:07.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-356/07:03:51.2
2538	M1O	04-356/07:23:12.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-356/07:03:56.2
2539	M1O	04-356/07:23:17.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-356/07:04:01.2
2540	M1O	04-356/07:23:22.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-356/07:04:06.2
2541	M1O	04-356/07:23:27.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-356/07:04:11.2
2542	M1O	04-356/07:23:28.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-356/07:04:12.2
2543	M1O	04-356/07:23:29.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-356/07:04:13.2
2544	M1O	04-356/07:23:30.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-356/07:04:14.2
2545	M1O	04-356/07:23:41.2		NOTE: End Block fsw_diag.mod		04-356/07:04:25.2
2546	M1O	04-356/07:26:19.6		NOTE: Ascending Node Crossing 13395		04-356/07:07:03.6
2547	M1O	04-356/07:26:43.1		NOTE: Exit Earth Occultation 13395		04-356/07:07:27.1
2548	M1O	04-356/07:26:43.1	63	Acquisition Of X-Band Signal		
2549	M1O	04-356/07:26:43.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2550	M1O	04-356/07:27:14.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2551	M1O	04-356/07:28:47.9		NOTE: Exit Planetary Atmosphere 13395		04-356/07:09:31.9
2552	M1O	04-356/07:32:14.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-356/07:12:58.4
2553	M1O	04-356/07:32:14.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2554	M1O	04-356/07:32:15.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-356/07:12:59.4
2555	M1O	04-356/07:39:59.0	63	NOTE: X-Band Transmitter Off in 15 minutes		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2556	M1O	04-356/07:49:59.0	63	Range Modulation Off		
2557	M1O	04-356/07:54:59.0	63	X-Band Transmitter Off		
2558	M1O	04-356/07:56:14.4		NOTE: North Pole Crossing 13395		04-356/07:36:58.4
2559	M1O	04-356/07:58:11.0		NOTE: Apoapsis 13395 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2598	M1O	04-356/11:05:00.0	14	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
2599	M1O	04-356/11:05:00.0	14	Config: TGC: BAND=X, SR=238896.000000		
2600	M1O	04-356/11:05:00.0	14	Config: TXL		
2601	M1O	04-356/11:05:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2602	M1O	04-356/11:05:00.0	14	Config: CMD		
2603	M1O	04-356/11:05:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2604	M1O	04-356/11:08:29.9		NOTE: Enter Planetary Atmosphere 13397		04-356/10:49:14.4
2605	M1O	04-356/11:09:36.1		SPAWN, Engine = 65535, Parameters = 00:19:14.506	dpt	04-356/10:50:20.5
2606	M1O	04-356/11:09:38.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-356/10:50:22.6
2607	M1O	04-356/11:09:38.2	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2608	M1O	04-356/11:09:39.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-356/10:50:23.6
2609	M1O	04-356/11:10:38.1		NOTE: Enter Earth Occultation 13397		04-356/10:51:22.5
2610	M1O	04-356/11:10:38.1	63	NOTE: Loss Of X-Band Signal		
2611	M1O	04-356/11:23:24.4		NOTE: Ascending Node Crossing 13397		04-356/11:04:08.9
2612	M1O	04-356/11:23:52.6		NOTE: Exit Earth Occultation 13397		04-356/11:04:37.0
2613	M1O	04-356/11:23:52.6	63	Acquisition Of X-Band Signal		
2614	M1O	04-356/11:23:52.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2615	M1O	04-356/11:25:57.7		NOTE: Exit Planetary Atmosphere 13397		04-356/11:06:42.2
2616	M1O	04-356/11:28:52.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-356/11:09:37.1
2617	M1O	04-356/11:28:52.7	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2618	M1O	04-356/11:28:53.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-356/11:09:38.1
2619	M1O	04-356/11:53:18.0		NOTE: North Pole Crossing 13397		04-356/11:34:02.5
2620	M1O	04-356/11:55:31.6		NOTE: Apoapsis 13397 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2644	M1O	04-356/13:25:00.0	63	End Tracking		
2645	M1O	04-356/13:25:00.0	63	End Post-Cal		
2646	M1O	04-356/13:25:00.0	14	Range Modulation On: SUP=3.0dB		
2647	M1O	04-356/13:26:00.0	14	Begin Ranging Acquisition		
2648	M1O	04-356/13:27:20.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-356/13:08:05.6
2649	M1O	04-356/13:27:20.9	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2650	M1O	04-356/13:27:21.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-356/13:08:06.6
2651	M1O	04-356/13:51:48.9		NOTE: North Pole Crossing 13398		04-356/13:32:33.7
2652	M1O	04-356/13:53:39.9		NOTE: Apoapsis 13398 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2687	M1O	04-356/15:26:24.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-356/15:07:09.6
2688	M1O	04-356/15:32:01.0	14	Range Modulation Off		
2689	M1O	04-356/15:37:01.0	14	X-Band Transmitter Off		
2690	M1O	04-356/15:50:23.3		NOTE: North Pole Crossing 13399		04-356/15:31:08.3
2691	M1O	04-356/15:52:15.3		NOTE: Apoapsis 13399 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2725	M1O	04-356/16:52:21.8		GV: GV_DESAT_ACTIVE = 1		04-356/16:33:07.0
2726	M1O	04-356/16:52:22.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-356/16:33:08.0
2727	M1O	04-356/16:52:22.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-356/16:33:08.0
2728	M1O	04-356/17:02:21.8		GV: GV_DESAT_ACTIVE = 0		04-356/16:43:07.0
2729	M1O	04-356/17:02:22.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-356/16:43:08.0
2730	M1O	04-356/17:02:23.8		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-356/16:43:09.0
2731	M1O	04-356/17:02:24.8		CALL, Engine = , Parameters =	unpark_hga	04-356/16:43:10.0
2732	M1O	04-356/17:02:24.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-356/16:43:10.0
2733	M1O	04-356/17:02:25.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-356/16:43:11.0
2734	M1O	04-356/17:04:11.5		NOTE: Enter Planetary Atmosphere 13400		04-356/16:44:56.7
2735	M1O	04-356/17:06:19.8		NOTE: Enter Earth Occultation 13400		04-356/16:47:05.0
2736	M1O	04-356/17:06:55.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-356/16:47:41.0
2737	M1O	04-356/17:06:56.8		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-356/16:47:42.0
2738	M1O	04-356/17:10:56.8		NOTE: EXIT HGA PARK		
2739	M1O	04-356/17:19:04.7		NOTE: Ascending Node Crossing 13400		04-356/16:59:49.9
2740	M1O	04-356/17:19:05.8		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-356/16:59:51.1
2741	M1O	04-356/17:19:05.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-356/16:59:51.2
2742	M1O	04-356/17:19:06.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-356/16:59:52.2
2743	M1O	04-356/17:19:07.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-356/16:59:53.2
2744	M1O	04-356/17:19:08.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-356/16:59:54.2
2745	M1O	04-356/17:19:09.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-356/16:59:55.2
2746	M1O	04-356/17:19:19.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-356/17:00:05.2
2747	M1O	04-356/17:19:29.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-356/17:00:15.2
2748	M1O	04-356/17:19:30.8		NOTE: Exit Earth Occultation 13400		04-356/17:00:16.1
2749	M1O	04-356/17:19:30.8	14	Acquisition Of X-Band Signal		
2750	M1O	04-356/17:19:30.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2751	M1O	04-356/17:21:36.2		NOTE: Exit Planetary Atmosphere 13400		04-356/17:02:21.4
2752	M1O	04-356/17:26:29.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-356/17:07:15.2
2753	M1O	04-356/17:26:30.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-356/17:07:16.2
2754	M1O	04-356/17:26:30.9	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2755	M1O	04-356/17:26:31.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-356/17:07:17.2
2756	M1O	04-356/17:48:59.2		NOTE: North Pole Crossing 13400		04-356/17:29:44.5
2757	M1O	04-356/17:51:27.3		NOTE: Apoapsis 13400 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
2766	M1O	04-356/19:04:54.5		NOTE: Enter Earth Occultation 13401		04-356/18:45:40.0
2767	M1O	04-356/19:04:54.5	14	NOTE: Loss Of X-Band Signal		
2768	M1O	04-356/19:17:40.6		NOTE: Ascending Node Crossing 13401		04-356/18:58:26.1
2769	M1O	04-356/19:18:11.0		NOTE: Exit Earth Occultation 13401		04-356/18:58:56.5
2770	M1O	04-356/19:18:11.0	14	Acquisition Of X-Band Signal		
2771	M1O	04-356/19:18:11.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2772	M1O	04-356/19:20:15.7		NOTE: Exit Planetary Atmosphere 13401		04-356/19:01:01.1
2773	M1O	04-356/19:23:11.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-356/19:03:56.6
2774	M1O	04-356/19:23:11.1	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2775	M1O	04-356/19:23:12.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-356/19:03:57.6
2776	M1O	04-356/19:47:34.9		NOTE: North Pole Crossing 13401		04-356/19:28:20.4
2777	M1O	04-356/19:50:00.0	43	Begin Pre-Cal		
2778	M1O	04-356/19:50:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2779	M1O	04-356/19:50:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2780	M1O	04-356/19:50:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2781	M1O	04-356/19:50:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2782	M1O	04-356/19:50:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
2783	M1O	04-356/19:50:00.0	43	Config: RCV: Parms:		
2784	M1O	04-356/19:50:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
2785	M1O	04-356/19:50:00.0	43	Config: TGC: BAND=X, SR=238896.000000		
2786	M1O	04-356/19:50:00.0	43	Config: TXL		
2787	M1O	04-356/19:50:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2788	M1O	04-356/19:50:00.0	43	Config: CMD		
2789	M1O	04-356/19:50:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2790	M1O	04-356/19:50:26.0		NOTE: Apoapsis 13401 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2812	M1O	04-356/21:21:50.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-356/21:02:36.5
2813	M1O	04-356/21:26:00.0	43	Range Modulation On: SUP=3.0dB		
2814	M1O	04-356/21:27:00.0	43	Begin Ranging Acquisition		
2815	M1O	04-356/21:30:59.0	14	NOTE: Below Uplink Interlock Limit		
2816	M1O	04-356/21:40:00.0	14	End Tracking		
2817	M1O	04-356/21:46:08.5		NOTE: North Pole Crossing 13402		04-356/21:26:54.3
2818	M1O	04-356/21:48:53.0		NOTE: Apoapsis 13402 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2855	M1O	04-356/23:47:04.7		NOTE: Apoapsis 13403 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2899	M1O	04-357/02:58:35.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2900	M1O	04-357/02:59:06.2		NOTE: Enter Earth Occultation 13405		04-357/02:39:52.7
2901	M1O	04-357/02:59:06.2	43	NOTE: Loss Of X-Band Signal		
2902	M1O	04-357/03:11:49.0		NOTE: Ascending Node Crossing 13405		04-357/02:52:35.5
2903	M1O	04-357/03:12:24.7		NOTE: Exit Earth Occultation 13405		04-357/02:53:11.2
2904	M1O	04-357/03:12:24.7	43	Acquisition Of X-Band Signal		
2905	M1O	04-357/03:12:24.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2906	M1O	04-357/03:12:56.1	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2907	M1O	04-357/03:14:29.0		NOTE: Exit Planetary Atmosphere 13405		04-357/02:55:15.5
2908	M1O	04-357/03:17:56.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-357/02:58:43.1
2909	M1O	04-357/03:17:56.6	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2910	M1O	04-357/03:17:57.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-357/02:58:44.1
2911	M1O	04-357/03:41:43.9		NOTE: North Pole Crossing 13405		04-357/03:22:30.4
2912	M1O	04-357/03:44:17.7		NOTE: Apoapsis 13405 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2947	M1O	04-357/05:11:31.6	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2948	M1O	04-357/05:13:04.5		NOTE: Exit Planetary Atmosphere 13406		04-357/04:53:51.3
2949	M1O	04-357/05:16:32.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-357/04:57:19.1
2950	M1O	04-357/05:16:32.3	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2951	M1O	04-357/05:16:33.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-357/04:57:20.1
2952	M1O	04-357/05:20:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2953	M1O	04-357/05:21:33.6	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
2954	M1O	04-357/05:30:00.0	43	Range Modulation Off		
2955	M1O	04-357/05:35:00.0	43	X-Band Transmitter Off		
2956	M1O	04-357/05:40:19.4		NOTE: North Pole Crossing 13406		04-357/05:21:06.2
2957	M1O	04-357/05:42:44.6		NOTE: Apoapsis 13406 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2984	M1O	04-357/06:31:44.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2985	M1O	04-357/06:36:44.0	55	Range Modulation On: SUP=3.0dB		
2986	M1O	04-357/06:37:44.0	55	Begin Ranging Acquisition		
2987	M1O	04-357/06:39:41.5		NOTE: South Pole Crossing 13407		04-357/06:20:28.4
2988	M1O	04-357/06:41:15.3		NOTE: Periapsis 13407		04-357/06:22:02.2

2989	M1O	04-357/06:54:06.6		NOTE: Enter Planetary Atmosphere 13407		04-357/06:34:53.6
2990	M1O	04-357/06:55:11.3		SPAWN, Engine = 65535, Parameters = 00:19:56.926	dpt	04-357/06:35:58.3
2991	M1O	04-357/06:55:13.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-357/06:36:00.4
2992	M1O	04-357/06:55:13.4	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2993	M1O	04-357/06:55:14.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-357/06:36:01.4
2994	M1O	04-357/06:56:13.3		NOTE: Enter Earth Occultation 13407		04-357/06:37:00.3
2995	M1O	04-357/06:56:13.3	55	NOTE: Loss Of X-Band Signal		
2996	M1O	04-357/07:08:59.8		NOTE: Ascending Node Crossing 13407		04-357/06:49:46.8
2997	M1O	04-357/07:09:38.4		NOTE: Exit Earth Occultation 13407		04-357/06:50:25.4
2998	M1O	04-357/07:09:38.4	55	Acquisition Of X-Band Signal		
2999	M1O	04-357/07:09:38.4	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3000	M1O	04-357/07:10:10.1	55	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3001	M1O	04-357/07:11:41.9		NOTE: Exit Planetary Atmosphere 13407		04-357/06:52:28.9
3002	M1O	04-357/07:15:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-357/06:55:57.3
3003	M1O	04-357/07:15:10.3	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3004	M1O	04-357/07:15:11.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-357/06:55:58.3
3005	M1O	04-357/07:19:12.9		SPAWN, Engine = 65535, Parameters =	scdiag	04-357/07:00:00.0
3006	M1O	04-357/07:19:14.0		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-357/07:00:01.1
3007	M1O	04-357/07:19:15.0		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-357/07:00:02.1
3008	M1O	04-357/07:20:15.9		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	04-357/07:01:03.0
3009	M1O	04-357/07:20:16.1		NOTE: Start Block fsw_diag		04-357/07:01:03.2
3010	M1O	04-357/07:20:17.1		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D53,0x686F7720,0x313B6368,0x65636B53,0x7461636B,0x3B690000,0x0000,0x0000,0x0000, 0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000]	FSW_VX_CMD	04-357/07:01:04.2
3011	M1O	04-357/07:20:18.1		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	04-357/07:01:05.2
3012	M1O	04-357/07:20:29.1		NOTE: End Block fsw_diag.mod		04-357/07:01:16.2
3013	M1O	04-357/07:21:28.9		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-357/07:02:16.0
3014	M1O	04-357/07:21:29.1		NOTE: Start Block fsw_diag		04-357/07:02:16.2
3015	M1O	04-357/07:21:30.1		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-357/07:02:17.2
3016	M1O	04-357/07:21:31.1		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	04-357/07:02:18.2
3017	M1O	04-357/07:21:42.1		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	04-357/07:02:29.2
3018	M1O	04-357/07:22:12.1		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-357/07:02:59.2
3019	M1O	04-357/07:22:32.1		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-357/07:03:19.2
3020	M1O	04-357/07:22:42.1		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-357/07:03:29.2
3021	M1O	04-357/07:23:02.1		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-357/07:03:49.2
3022	M1O	04-357/07:23:12.1		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-357/07:03:59.2
3023	M1O	04-357/07:23:17.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-357/07:04:04.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3024	M1O	04-357/07:23:22.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-357/07:04:09.2
3025	M1O	04-357/07:23:27.1		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-357/07:04:14.2
3026	M1O	04-357/07:23:32.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-357/07:04:19.2
3027	M1O	04-357/07:23:37.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-357/07:04:24.2
3028	M1O	04-357/07:24:17.1		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-357/07:05:04.2
3029	M1O	04-357/07:24:22.1		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-357/07:05:09.2
3030	M1O	04-357/07:24:27.1		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-357/07:05:14.2
3031	M1O	04-357/07:24:32.1		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-357/07:05:19.2
3032	M1O	04-357/07:24:37.1		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-357/07:05:24.2
3033	M1O	04-357/07:24:38.1		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-357/07:05:25.2
3034	M1O	04-357/07:24:39.1		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-357/07:05:26.2
3035	M1O	04-357/07:24:40.1		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-357/07:05:27.2
3036	M1O	04-357/07:24:51.1		NOTE: End Block fsw_diag.mod		04-357/07:05:38.2
3037	M1O	04-357/07:38:55.0		NOTE: North Pole Crossing 13407		04-357/07:19:42.1
3038	M1O	04-357/07:41:05.0		NOTE: Apoapsis 13407 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3071	M1O	04-357/10:28:56.0	55	TXR On: PWR=20.0, Band=X		
3072	M1O	04-357/10:33:56.0	55	Range Modulation On: SUP=3.0dB		
3073	M1O	04-357/10:34:56.0	55	Begin Ranging Acquisition		
3074	M1O	04-357/10:36:49.1		NOTE: South Pole Crossing 13409		04-357/10:17:36.6
3075	M1O	04-357/10:38:25.3		NOTE: Periapsis 13409		04-357/10:19:12.7

3076	M1O	04-357/10:39:59.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
3077	M1O	04-357/10:49:59.0	55	Range Modulation Off		
3078	M1O	04-357/10:51:22.0		NOTE: Enter Planetary Atmosphere 13409		04-357/10:32:09.5
3079	M1O	04-357/10:51:56.7		SPAWN, Engine = 65535, Parameters = 00:20:23	dpt	04-357/10:32:44.2
3080	M1O	04-357/10:51:58.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-357/10:32:46.3
3081	M1O	04-357/10:51:58.8	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3082	M1O	04-357/10:51:59.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-357/10:32:47.3
3083	M1O	04-357/10:52:58.2	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3084	M1O	04-357/10:53:29.3		NOTE: Enter Earth Occultation 13409		04-357/10:34:16.7
3085	M1O	04-357/10:53:29.3	55	NOTE: Loss Of X-Band Signal		
3086	M1O	04-357/10:54:59.0	55	X-Band Transmitter Off		
3087	M1O	04-357/11:05:00.0	14	Begin Pre-Cal		
3088	M1O	04-357/11:05:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3089	M1O	04-357/11:05:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3090	M1O	04-357/11:05:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3091	M1O	04-357/11:05:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3092	M1O	04-357/11:05:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3093	M1O	04-357/11:05:00.0	14	Config: RCV: Parms:		
3094	M1O	04-357/11:05:00.0	14	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
3095	M1O	04-357/11:05:00.0	14	Config: TGC: BAND=X, SR=238896.000000		
3096	M1O	04-357/11:05:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3097	M1O	04-357/11:06:07.4		NOTE: Ascending Node Crossing 13409		04-357/10:46:54.9
3098	M1O	04-357/11:06:50.5		NOTE: Exit Earth Occultation 13409		04-357/10:47:38.0
3099	M1O	04-357/11:06:50.5	55	Acquisition Of X-Band Signal		
3100	M1O	04-357/11:06:50.5	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3101	M1O	04-357/11:07:21.1	55	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3102	M1O	04-357/11:08:54.7		NOTE: Exit Planetary Atmosphere 13409		04-357/10:49:42.2
3103	M1O	04-357/11:12:21.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-357/10:53:09.3
3104	M1O	04-357/11:12:21.8	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3105	M1O	04-357/11:12:22.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-357/10:53:10.3
3106	M1O	04-357/11:32:22.7		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	04-357/11:13:10.2
3107	M1O	04-357/11:32:24.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-357/11:13:12.3
3108	M1O	04-357/11:32:24.8	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3109	M1O	04-357/11:32:25.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-357/11:13:13.3
3110	M1O	04-357/11:33:24.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3111	M1O	04-357/11:36:00.7		NOTE: North Pole Crossing 13409		04-357/11:16:48.2
3112	M1O	04-357/11:38:24.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-357/11:19:12.3
3113	M1O	04-357/11:38:24.7	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3114	M1O	04-357/11:38:24.9		NOTE: Apoapsis 13409 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
3116	M1O	04-357/12:05:57.7		NOTE: Descending Node Crossing 13410		04-357/11:46:45.4
3117	M1O	04-357/12:35:19.1		NOTE: South Pole Crossing 13410		04-357/12:16:06.7
3118	M1O	04-357/12:36:47.6		NOTE: Periapsis 13410		04-357/12:17:35.2

3119	M1O	04-357/12:49:50.8		NOTE: Enter Planetary Atmosphere 13410		04-357/12:30:38.5
3120	M1O	04-357/12:50:56.0		SPAWN, Engine = 65535, Parameters = 00:19:22.530	dpt	04-357/12:31:43.7
3121	M1O	04-357/12:50:58.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-357/12:31:45.8
3122	M1O	04-357/12:50:58.1	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3123	M1O	04-357/12:50:59.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-357/12:31:46.8
3124	M1O	04-357/12:51:58.0		NOTE: Enter Earth Occultation 13410		04-357/12:32:45.7
3125	M1O	04-357/12:51:58.0	55	NOTE: Loss Of X-Band Signal		
3126	M1O	04-357/13:04:36.8		NOTE: Ascending Node Crossing 13410		04-357/12:45:24.5
3127	M1O	04-357/13:04:59.9		NOTE: Changing to 70M downlink rate: 39816_BPS		04-357/12:45:47.6
3128	M1O	04-357/13:04:59.9		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	04-357/12:45:47.6
3129	M1O	04-357/13:05:00.0	14	Begin Tracking		
3130	M1O	04-357/13:05:20.5		NOTE: Exit Earth Occultation 13410		04-357/12:46:08.2
3131	M1O	04-357/13:05:20.5	14	Acquisition Of X-Band Signal		
3132	M1O	04-357/13:05:20.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3133	M1O	04-357/13:05:20.5	55	Acquisition Of X-Band Signal		
3134	M1O	04-357/13:05:20.5	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3135	M1O	04-357/13:07:24.5		NOTE: Exit Planetary Atmosphere 13410		04-357/12:48:12.2
3136	M1O	04-357/13:10:20.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-357/12:51:08.3
3137	M1O	04-357/13:10:20.6	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3138	M1O	04-357/13:10:20.6	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3139	M1O	04-357/13:10:21.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-357/12:51:09.3
3140	M1O	04-357/13:19:14.0	14	NOTE: Above Uplink Interlock Limit		
3141	M1O	04-357/13:25:00.0	55	End Tracking		
3142	M1O	04-357/13:25:00.0	55	End Post-Cal		
3143	M1O	04-357/13:34:30.8		NOTE: North Pole Crossing 13410		04-357/13:15:18.7
3144	M1O	04-357/13:36:39.2		NOTE: Apoapsis 13410 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3159	M1O	04-357/15:05:53.3		NOTE: Exit Planetary Atmosphere 13411		04-357/14:46:41.3
3160	M1O	04-357/15:08:49.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-357/14:49:37.1
3161	M1O	04-357/15:08:49.1	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3162	M1O	04-357/15:08:50.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-357/14:49:38.1
3163	M1O	04-357/15:33:03.3		NOTE: North Pole Crossing 13411		04-357/15:13:51.4
3164	M1O	04-357/15:34:52.0		NOTE: Apoapsis 13411 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3197	M1O	04-357/16:32:24.3		NOTE: South Pole Crossing 13412		04-357/16:13:12.5
3198	M1O	04-357/16:33:41.9		NOTE: Periapsis 13412		04-357/16:14:30.0

3199	M1O	04-357/16:35:00.0	14	Range Modulation On: SUP=3.0dB		
3200	M1O	04-357/16:35:03.8		GV: GV_DESAT_ACTIVE = 1		04-357/16:15:52.0
3201	M1O	04-357/16:35:04.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-357/16:15:53.0
3202	M1O	04-357/16:35:04.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-357/16:15:53.0
3203	M1O	04-357/16:36:00.0	14	Begin Ranging Acquisition		
3204	M1O	04-357/16:45:03.7		GV: GV_DESAT_ACTIVE = 0		04-357/16:25:52.0
3205	M1O	04-357/16:45:04.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-357/16:25:53.0
3206	M1O	04-357/16:45:05.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-357/16:25:54.0
3207	M1O	04-357/16:45:06.7		CALL, Engine = , Parameters =	unpark_hga	04-357/16:25:55.0
3208	M1O	04-357/16:45:06.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-357/16:25:55.0
3209	M1O	04-357/16:45:07.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-357/16:25:56.0
3210	M1O	04-357/16:46:59.7		NOTE: Enter Planetary Atmosphere 13412		04-357/16:27:47.9
3211	M1O	04-357/16:49:07.2		NOTE: Enter Earth Occultation 13412		04-357/16:29:55.4
3212	M1O	04-357/16:49:37.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-357/16:30:26.0
3213	M1O	04-357/16:49:38.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-357/16:30:27.0
3214	M1O	04-357/16:53:38.7		NOTE: EXIT HGA PARK		
3215	M1O	04-357/17:01:43.7		NOTE: Ascending Node Crossing 13412		04-357/16:42:32.0
3216	M1O	04-357/17:01:59.5		SPAWN, Engine = 65535, Parameters = 00:12:59.690	cstr	04-357/16:42:47.7
3217	M1O	04-357/17:01:59.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-357/16:42:47.8
3218	M1O	04-357/17:02:00.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-357/16:42:48.8
3219	M1O	04-357/17:02:01.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-357/16:42:49.8
3220	M1O	04-357/17:02:02.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-357/16:42:50.8
3221	M1O	04-357/17:02:03.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-357/16:42:51.8
3222	M1O	04-357/17:02:13.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-357/16:43:01.8
3223	M1O	04-357/17:02:23.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-357/16:43:11.8
3224	M1O	04-357/17:02:24.5		NOTE: Exit Earth Occultation 13412		04-357/16:43:12.7
3225	M1O	04-357/17:02:24.5	14	Acquisition Of X-Band Signal		
3226	M1O	04-357/17:02:24.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3227	M1O	04-357/17:04:29.0		NOTE: Exit Planetary Atmosphere 13412		04-357/16:45:17.2
3228	M1O	04-357/17:08:23.6	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3229	M1O	04-357/17:15:23.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-357/16:56:11.5
3230	M1O	04-357/17:15:24.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-357/16:56:12.5
3231	M1O	04-357/17:15:24.3	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3232	M1O	04-357/17:15:25.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-357/16:56:13.5
3233	M1O	04-357/17:31:38.4		NOTE: North Pole Crossing 13412		04-357/17:12:26.8
3234	M1O	04-357/17:33:51.7		NOTE: Apoapsis 13412 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3239	M1O	04-357/18:23:12.0	14	TXR On: PWR=20.0, Band=X		
3240	M1O	04-357/18:28:12.0	14	Range Modulation On: SUP=3.0dB		
3241	M1O	04-357/18:29:12.0	14	Begin Ranging Acquisition		
3242	M1O	04-357/18:31:00.4		NOTE: South Pole Crossing 13413		04-357/18:11:48.9
3243	M1O	04-357/18:32:47.5		NOTE: Periapsis 13413		04-357/18:13:36.0

3244	M1O	04-357/18:35:00.0	43	Begin Pre-Cal		
3245	M1O	04-357/18:35:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3246	M1O	04-357/18:35:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3247	M1O	04-357/18:35:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3248	M1O	04-357/18:35:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3249	M1O	04-357/18:35:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3250	M1O	04-357/18:35:00.0	43	Config: RCV: Parms:		
3251	M1O	04-357/18:35:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
3252	M1O	04-357/18:35:00.0	43	Config: TGC: BAND=X, SR=238896.000000		
3253	M1O	04-357/18:35:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3254	M1O	04-357/18:45:36.1		NOTE: Enter Planetary Atmosphere 13413		04-357/18:26:24.5
3255	M1O	04-357/18:46:10.2		SPAWN, Engine = 65535, Parameters = 00:20:23	dpt	04-357/18:26:58.7
3256	M1O	04-357/18:46:12.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-357/18:27:00.8
3257	M1O	04-357/18:46:12.3	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3258	M1O	04-357/18:46:13.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-357/18:27:01.8
3259	M1O	04-357/18:47:12.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3260	M1O	04-357/18:47:43.0		NOTE: Enter Earth Occultation 13413		04-357/18:28:31.5
3261	M1O	04-357/18:47:43.0	14	NOTE: Loss Of X-Band Signal		
3262	M1O	04-357/18:51:35.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
3263	M1O	04-357/19:00:19.9		NOTE: Ascending Node Crossing 13413		04-357/18:41:08.4
3264	M1O	04-357/19:01:04.1		NOTE: Exit Earth Occultation 13413		04-357/18:41:52.6
3265	M1O	04-357/19:01:04.1	14	Acquisition Of X-Band Signal		
3266	M1O	04-357/19:01:04.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3267	M1O	04-357/19:01:35.0	14	Range Modulation Off		
3268	M1O	04-357/19:01:35.1	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3269	M1O	04-357/19:03:08.1		NOTE: Exit Planetary Atmosphere 13413		04-357/18:43:56.6
3270	M1O	04-357/19:06:35.0	14	X-Band Transmitter Off		
3271	M1O	04-357/19:06:35.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-357/18:47:23.8
3272	M1O	04-357/19:06:35.3	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3273	M1O	04-357/19:06:36.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-357/18:47:24.8
3274	M1O	04-357/19:06:37.1	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
3275	M1O	04-357/19:30:14.1		NOTE: North Pole Crossing 13413		04-357/19:11:02.7
3276	M1O	04-357/19:33:02.9		NOTE: Apoapsis 13413 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 3, 2004-355T19:14:37.200, 2004-357T19:14:37.200		
3283	M1O	04-357/19:34:09.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-355T19:14:37.200, 2004-357T19:14:37.200	PCKTS_RE_TX_TIME	04-357/19:14:57.8
3284	M1O	04-357/19:34:09.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-357/19:14:57.8
3285	M1O	04-357/19:34:09.2	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3286	M1O	04-357/19:44:10.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-357/19:24:58.8
3287	M1O	04-357/19:44:10.2	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3288	M1O	04-357/19:44:11.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-357/19:24:59.8
3289	M1O	04-357/19:44:41.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	04-357/19:25:29.8
3290	M1O	04-357/19:44:41.2	14	NOTE: Loss Of X-Band Signal		
3291	M1O	04-357/19:44:51.2		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	04-357/19:25:39.8
3292	M1O	04-357/19:44:52.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-357/19:25:40.8
3293	M1O	04-357/19:44:53.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-357/19:25:41.8
3294	M1O	04-357/19:45:00.0	14	End Tracking		
3295	M1O	04-357/20:00:00.0	14	End Post-Cal		
3296	M1O	04-357/20:00:12.8		NOTE: Descending Node Crossing 13414		04-357/19:41:01.5
3297	M1O	04-357/20:04:34.7		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-357/19:45:23.4
3298	M1O	04-357/20:04:34.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-357/19:45:23.5
3299	M1O	04-357/20:04:35.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-357/19:45:24.5
3300	M1O	04-357/20:04:36.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-357/19:45:25.5
3301	M1O	04-357/20:04:37.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-357/19:45:26.5
3302	M1O	04-357/20:04:38.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-357/19:45:27.5
3303	M1O	04-357/20:04:48.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-357/19:45:37.5
3304	M1O	04-357/20:04:58.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-357/19:45:47.5
3305	M1O	04-357/20:05:00.0	43	Begin Tracking		
3306	M1O	04-357/20:05:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3307	M1O	04-357/20:11:58.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-357/19:52:47.5
3308	M1O	04-357/20:11:59.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-357/19:52:48.5
3309	M1O	04-357/20:11:59.8	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3310	M1O	04-357/20:12:00.8		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-357/19:52:49.5
3311	M1O	04-357/20:29:36.0		NOTE: South Pole Crossing 13414		04-357/20:10:24.7
3312	M1O	04-357/20:31:39.9		NOTE: Periapsis 13414		04-357/20:12:28.6

3313	M1O	04-357/20:44:09.4		NOTE: Enter Planetary Atmosphere 13414		04-357/20:24:58.1
3314	M1O	04-357/20:45:13.7		SPAWN, Engine = 65535, Parameters = 00:19:27.445	dpt	04-357/20:26:02.4
3315	M1O	04-357/20:45:15.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-357/20:26:04.5
3316	M1O	04-357/20:45:15.8	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3317	M1O	04-357/20:45:16.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-357/20:26:05.5
3318	M1O	04-357/20:46:15.7		NOTE: Enter Earth Occultation 13414		04-357/20:27:04.4
3319	M1O	04-357/20:46:15.7	43	NOTE: Loss Of X-Band Signal		
3320	M1O	04-357/20:58:54.5		NOTE: Ascending Node Crossing 13414		04-357/20:39:43.2
3321	M1O	04-357/20:59:43.1		NOTE: Exit Earth Occultation 13414		04-357/20:40:31.9
3322	M1O	04-357/20:59:43.1	43	Acquisition Of X-Band Signal		
3323	M1O	04-357/20:59:43.1	43	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
3324	M1O	04-357/21:01:46.4		NOTE: Exit Planetary Atmosphere 13414		04-357/20:42:35.2
3325	M1O	04-357/21:04:43.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-357/20:45:32.0
3326	M1O	04-357/21:04:43.2	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3327	M1O	04-357/21:04:44.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-357/20:45:33.0
3328	M1O	04-357/21:28:48.7		NOTE: North Pole Crossing 13414		04-357/21:09:37.5
3329	M1O	04-357/21:31:41.3		NOTE: Apoapsis 13414 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3366	M1O	04-358/01:01:49.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-358/00:42:39.0
3367	M1O	04-358/01:01:49.7	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3368	M1O	04-358/01:01:50.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-358/00:42:40.0
3369	M1O	04-358/01:25:50.7		NOTE: North Pole Crossing 13416		04-358/01:06:40.1
3370	M1O	04-358/01:28:17.6		NOTE: Apoapsis 13416 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3411	M1O	04-358/04:25:18.6		NOTE: Periapsis 13418 ----------		04-358/04:06:08.3
3412	M1O	04-358/04:38:18.9		NOTE: Enter Planetary Atmosphere 13418		04-358/04:19:08.6
3413	M1O	04-358/04:38:52.2		SPAWN, Engine = 65535, Parameters = 00:20:31	dpt	04-358/04:19:41.9
3414	M1O	04-358/04:38:54.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-358/04:19:44.0
3415	M1O	04-358/04:38:54.3	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3416	M1O	04-358/04:38:55.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-358/04:19:45.0
3417	M1O	04-358/04:39:53.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3418	M1O	04-358/04:40:24.9		NOTE: Enter Earth Occultation 13418		04-358/04:21:14.6
3419	M1O	04-358/04:40:24.9	43	NOTE: Loss Of X-Band Signal		
3420	M1O	04-358/04:53:02.3		NOTE: Ascending Node Crossing 13418		04-358/04:33:52.0
3421	M1O	04-358/04:53:54.0		NOTE: Exit Earth Occultation 13418		04-358/04:34:43.8
3422	M1O	04-358/04:53:54.0	43	Acquisition Of X-Band Signal		
3423	M1O	04-358/04:53:54.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3424	M1O	04-358/04:54:24.5	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3425	M1O	04-358/04:55:56.9		NOTE: Exit Planetary Atmosphere 13418		04-358/04:36:46.6
3426	M1O	04-358/04:59:25.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-358/04:40:15.0
3427	M1O	04-358/04:59:25.2	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3428	M1O	04-358/04:59:26.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-358/04:40:16.0
3429	M1O	04-358/05:16:39.7	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
3430	M1O	04-358/05:20:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
3431	M1O	04-358/05:22:57.9		NOTE: North Pole Crossing 13418		04-358/05:03:47.7
3432	M1O	04-358/05:25:27.1		NOTE: Apoapsis 13418 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
3451	M1O	04-358/06:06:40.0	65	NOTE: Above Uplink Interlock Limit		
3452	M1O	04-358/06:10:00.0	43	End Post-Cal		
3453	M1O	04-358/06:12:19.7		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	04-358/05:53:09.7
3454	M1O	04-358/06:12:21.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-358/05:53:11.8
3455	M1O	04-358/06:12:21.8	65	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3456	M1O	04-358/06:12:22.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-358/05:53:12.8
3457	M1O	04-358/06:13:20.2	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3458	M1O	04-358/06:14:43.0	65	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3459	M1O	04-358/06:18:21.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-358/05:59:11.8
3460	M1O	04-358/06:18:21.8	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3461	M1O	04-358/06:18:22.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-358/05:59:12.8
3462	M1O	04-358/06:19:43.0	65	Range Modulation On: SUP=3.0dB		
3463	M1O	04-358/06:20:43.0	65	Begin Ranging Acquisition		
3464	M1O	04-358/06:22:19.8		NOTE: South Pole Crossing 13419		04-358/06:03:09.8
3465	M1O	04-358/06:23:56.3		NOTE: Periapsis 13419		04-358/06:04:46.2

3466	M1O	04-358/06:36:52.8		NOTE: Enter Planetary Atmosphere 13419		04-358/06:17:42.8
3467	M1O	04-358/06:37:56.4		SPAWN, Engine = 65535, Parameters = 00:20:04.738	dpt	04-358/06:18:46.4
3468	M1O	04-358/06:37:58.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-358/06:18:48.5
3469	M1O	04-358/06:37:58.5	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3470	M1O	04-358/06:37:59.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-358/06:18:49.5
3471	M1O	04-358/06:38:58.4		NOTE: Enter Earth Occultation 13419		04-358/06:19:48.4
3472	M1O	04-358/06:38:58.4	65	NOTE: Loss Of X-Band Signal		
3473	M1O	04-358/06:51:37.9		NOTE: Ascending Node Crossing 13419		04-358/06:32:28.0
3474	M1O	04-358/06:52:31.3		NOTE: Exit Earth Occultation 13419		04-358/06:33:21.3
3475	M1O	04-358/06:52:31.3	65	Acquisition Of X-Band Signal		
3476	M1O	04-358/06:52:31.3	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3477	M1O	04-358/06:53:03.0	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3478	M1O	04-358/06:54:33.7		NOTE: Exit Planetary Atmosphere 13419		04-358/06:35:23.7
3479	M1O	04-358/06:58:03.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-358/06:38:53.2
3480	M1O	04-358/06:58:03.2	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3481	M1O	04-358/06:58:04.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-358/06:38:54.2
3482	M1O	04-358/07:19:09.9		SPAWN, Engine = 65535, Parameters =	scdiag	04-358/07:00:00.0
3483	M1O	04-358/07:19:11.0		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-358/07:00:01.1
3484	M1O	04-358/07:19:12.0		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-358/07:00:02.1
3485	M1O	04-358/07:20:12.9		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-358/07:01:03.0
3486	M1O	04-358/07:20:13.1		NOTE: Start Block fsw_diag		04-358/07:01:03.2
3487	M1O	04-358/07:20:14.1		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-358/07:01:04.2
3488	M1O	04-358/07:20:15.1		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	04-358/07:01:05.2
3489	M1O	04-358/07:20:26.1		Causes flight software to execute the VXWorks shell command contained in the parameter.:	FSW_VX_CMD	04-358/07:01:16.2

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]		
3490	M1O	04-358/07:20:56.1		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-358/07:01:46.2
3491	M1O	04-358/07:21:16.1		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-358/07:02:06.2
3492	M1O	04-358/07:21:26.1		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-358/07:02:16.2
3493	M1O	04-358/07:21:33.7		NOTE: North Pole Crossing 13419		04-358/07:02:23.8
3494	M1O	04-358/07:21:46.1		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-358/07:02:36.2
3495	M1O	04-358/07:21:56.1		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-358/07:02:46.2
3496	M1O	04-358/07:22:01.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-358/07:02:51.2
3497	M1O	04-358/07:22:06.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-358/07:02:56.2
3498	M1O	04-358/07:22:11.1		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-358/07:03:01.2
3499	M1O	04-358/07:22:16.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-358/07:03:06.2
3500	M1O	04-358/07:22:21.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-358/07:03:11.2
3501	M1O	04-358/07:23:01.1		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-358/07:03:51.2
3502	M1O	04-358/07:23:06.1		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-358/07:03:56.2
3503	M1O	04-358/07:23:11.1		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-358/07:04:01.2
3504	M1O	04-358/07:23:16.1		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-358/07:04:06.2
3505	M1O	04-358/07:23:21.1		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-358/07:04:11.2
3506	M1O	04-358/07:23:22.1		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-358/07:04:12.2
3507	M1O	04-358/07:23:23.1		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-358/07:04:13.2
3508	M1O	04-358/07:23:24.1		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-358/07:04:14.2
3509	M1O	04-358/07:23:35.1		NOTE: End Block fsw_diag.mod		04-358/07:04:25.2
3510	M1O	04-358/07:23:51.0		NOTE: Apoapsis 13419 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				-		
3535	M1O	04-358/09:50:07.6		NOTE: Descending Node Crossing 13421		04-358/09:30:58.0
3536	M1O	04-358/10:19:29.8		NOTE: South Pole Crossing 13421		04-358/10:00:20.2
3537	M1O	04-358/10:21:05.9		NOTE: Periapsis 13421		04-358/10:01:56.4

3538	M1O	04-358/10:34:09.4		NOTE: Enter Planetary Atmosphere 13421		04-358/10:14:59.9
3539	M1O	04-358/10:35:13.5		SPAWN, Engine = 65535, Parameters = 00:19:29.742	dpt	04-358/10:16:04.0
3540	M1O	04-358/10:35:15.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-358/10:16:06.1
3541	M1O	04-358/10:35:15.6	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3542	M1O	04-358/10:35:16.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-358/10:16:07.1
3543	M1O	04-358/10:36:15.5		NOTE: Enter Earth Occultation 13421		04-358/10:17:06.0
3544	M1O	04-358/10:36:15.5	65	NOTE: Loss Of X-Band Signal		
3545	M1O	04-358/10:48:47.8		NOTE: Ascending Node Crossing 13421		04-358/10:29:38.3
3546	M1O	04-358/10:49:45.2		NOTE: Exit Earth Occultation 13421		04-358/10:30:35.8
3547	M1O	04-358/10:49:45.2	65	Acquisition Of X-Band Signal		
3548	M1O	04-358/10:49:45.2	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3549	M1O	04-358/10:51:48.2		NOTE: Exit Planetary Atmosphere 13421		04-358/10:32:38.8
3550	M1O	04-358/10:54:45.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-358/10:35:35.9
3551	M1O	04-358/10:54:45.3	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3552	M1O	04-358/10:54:46.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-358/10:35:36.9
3553	M1O	04-358/11:18:41.6		NOTE: North Pole Crossing 13421		04-358/10:59:32.2
3554	M1O	04-358/11:20:59.2		NOTE: Apoapsis 13421 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3579	M1O	04-358/12:48:18.0		NOTE: Exit Earth Occultation 13422		04-358/12:29:08.8
3580	M1O	04-358/12:48:18.0	65	Acquisition Of X-Band Signal		
3581	M1O	04-358/12:48:18.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3582	M1O	04-358/12:50:20.9		NOTE: Exit Planetary Atmosphere 13422		04-358/12:31:11.7
3583	M1O	04-358/12:53:18.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-358/12:34:08.9
3584	M1O	04-358/12:53:18.1	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3585	M1O	04-358/12:53:19.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-358/12:34:09.9
3586	M1O	04-358/13:03:57.9		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	04-358/12:44:48.7
3587	M1O	04-358/13:04:00.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-358/12:44:50.8
3588	M1O	04-358/13:04:00.0	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3589	M1O	04-358/13:04:01.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-358/12:44:51.8
3590	M1O	04-358/13:04:59.9		NOTE: Changing to 70M downlink rate: 39816_BPS		04-358/12:45:50.7
3591	M1O	04-358/13:04:59.9		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	04-358/12:45:50.7
3592	M1O	04-358/13:04:59.9	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3593	M1O	04-358/13:05:00.0	14	Begin Tracking		
3594	M1O	04-358/13:05:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3595	M1O	04-358/13:09:59.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-358/12:50:50.8
3596	M1O	04-358/13:09:59.9	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3597	M1O	04-358/13:09:59.9	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3598	M1O	04-358/13:10:00.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-358/12:50:51.8
3599	M1O	04-358/13:17:12.1		NOTE: North Pole Crossing 13422		04-358/12:58:03.0
3600	M1O	04-358/13:18:46.0	14	NOTE: Above Uplink Interlock Limit		
3601	M1O	04-358/13:19:33.5		NOTE: Apoapsis 13422 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3621	M1O	04-358/14:14:59.0	14	Begin Ranging Acquisition		
3622	M1O	04-358/14:16:30.6		NOTE: South Pole Crossing 13423		04-358/13:57:21.6
3623	M1O	04-358/14:17:49.0		NOTE: Periapsis 13423		04-358/13:58:40.0

3624	M1O	04-358/14:25:00.0	24	Begin Pre-Cal		
3625	M1O	04-358/14:25:00.0	24	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3626	M1O	04-358/14:25:00.0	24	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3627	M1O	04-358/14:25:00.0	24	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3628	M1O	04-358/14:25:00.0	24	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3629	M1O	04-358/14:25:00.0	24	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3630	M1O	04-358/14:25:00.0	24	Config: RCV: Parms:		
3631	M1O	04-358/14:25:00.0	24	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
3632	M1O	04-358/14:25:00.0	24	Config: TGC: BAND=X, SR=238896.000000		
3633	M1O	04-358/14:25:00.0	24	Config: TXL		
3634	M1O	04-358/14:25:00.0	24	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
3635	M1O	04-358/14:25:00.0	24	Config: CMD		
3636	M1O	04-358/14:25:00.0	24	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
3637	M1O	04-358/14:31:10.1		NOTE: Enter Planetary Atmosphere 13423		04-358/14:12:01.1
3638	M1O	04-358/14:31:43.4		SPAWN, Engine = 65535, Parameters = 00:20:32	dpt	04-358/14:12:34.4
3639	M1O	04-358/14:31:45.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-358/14:12:36.5
3640	M1O	04-358/14:31:45.5	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3641	M1O	04-358/14:31:46.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-358/14:12:37.5
3642	M1O	04-358/14:32:45.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3643	M1O	04-358/14:33:16.3		NOTE: Enter Earth Occultation 13423		04-358/14:14:07.3
3644	M1O	04-358/14:33:16.3	14	NOTE: Loss Of X-Band Signal		
3645	M1O	04-358/14:45:48.1		NOTE: Ascending Node Crossing 13423		04-358/14:26:39.1
3646	M1O	04-358/14:46:45.9		NOTE: Exit Earth Occultation 13423		04-358/14:27:37.0
3647	M1O	04-358/14:46:45.9	14	Acquisition Of X-Band Signal		
3648	M1O	04-358/14:46:45.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3649	M1O	04-358/14:47:17.0	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3650	M1O	04-358/14:47:30.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
3651	M1O	04-358/14:48:48.8		NOTE: Exit Planetary Atmosphere 13423		04-358/14:29:39.9
3652	M1O	04-358/14:52:17.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-358/14:33:08.5
3653	M1O	04-358/14:52:17.4	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3654	M1O	04-358/14:52:18.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-358/14:33:09.5
3655	M1O	04-358/14:57:30.0	14	Range Modulation Off		
3656	M1O	04-358/15:02:30.0	14	X-Band Transmitter Off		
3657	M1O	04-358/15:06:42.2	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
3658	M1O	04-358/15:15:43.2		NOTE: North Pole Crossing 13423		04-358/14:56:34.3
3659	M1O	04-358/15:17:41.6		NOTE: Apoapsis 13423 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3667	M1O	04-358/15:28:49.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-356T15:09:24.200, 2004-358T15:09:24.200	PCKTS_RE_TX_TIME	04-358/15:09:40.8
3668	M1O	04-358/15:28:50.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-356T15:09:24.200, 2004-358T15:09:24.200	PCKTS_RE_TX_TIME	04-358/15:09:41.8
3669	M1O	04-358/15:28:51.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-356T15:09:24.200, 2004-358T15:09:24.200	PCKTS_RE_TX_TIME	04-358/15:09:42.8
3670	M1O	04-358/15:28:52.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-356T15:09:24.200, 2004-358T15:09:24.200	PCKTS_RE_TX_TIME	04-358/15:09:43.8
3671	M1O	04-358/15:28:53.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-356T15:09:24.200, 2004-358T15:09:24.200	PCKTS_RE_TX_TIME	04-358/15:09:44.8
3672	M1O	04-358/15:28:53.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-358/15:09:44.8
3673	M1O	04-358/15:28:53.6	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3674	M1O	04-358/15:28:53.6	24	D/L Change: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3675	M1O	04-358/15:30:00.0	43	Begin Pre-Cal		
3676	M1O	04-358/15:30:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3677	M1O	04-358/15:30:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3678	M1O	04-358/15:30:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3679	M1O	04-358/15:30:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3680	M1O	04-358/15:30:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3681	M1O	04-358/15:30:00.0	43	Config: RCV: Parms:		
3682	M1O	04-358/15:30:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3683	M1O	04-358/15:30:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
3684	M1O	04-358/15:30:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3685	M1O	04-358/15:38:54.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-358/15:19:45.8
3686	M1O	04-358/15:38:54.6	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3687	M1O	04-358/15:38:54.6	24	D/L Change: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3688	M1O	04-358/15:38:55.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-358/15:19:46.8
3689	M1O	04-358/15:39:11.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-358/15:20:02.8
3690	M1O	04-358/15:39:11.6	14	D/L RF Warning: SC antenna change - expect signal level variation		
3691	M1O	04-358/15:39:11.6	24	D/L RF Warning: SC antenna change - expect signal level variation		
3692	M1O	04-358/15:39:12.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-358/15:20:03.8
3693	M1O	04-358/15:39:40.9		CALL, Engine = , Parameters = FALSE	park_hga	04-358/15:20:32.1
3694	M1O	04-358/15:39:40.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-358/15:20:32.1
3695	M1O	04-358/15:39:41.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-358/15:20:33.1
3696	M1O	04-358/15:39:42.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-358/15:20:34.1
3697	M1O	04-358/15:39:42.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-358/15:20:34.1
3698	M1O	04-358/15:39:42.9		NOTE: START HGA PARK		
3699	M1O	04-358/15:39:42.9	14	NOTE: Loss Of X-Band Signal		
3700	M1O	04-358/15:39:42.9	24	NOTE: Loss Of X-Band Signal		
3701	M1O	04-358/15:39:43.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-358/15:20:35.1
3702	M1O	04-358/15:39:44.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-358/15:20:36.1
3703	M1O	04-358/15:44:14.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-358/15:25:06.1
3704	M1O	04-358/15:44:59.5		NOTE: Changing to 34M (BWG) downlink rate: 14220_BPS		04-358/15:25:50.7
3705	M1O	04-358/15:44:59.5		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-358/15:25:50.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3706	M1O	04-358/15:45:00.0	14	End Tracking		
3707	M1O	04-358/15:45:41.9		NOTE: Descending Node Crossing 13424		04-358/15:26:33.0
3708	M1O	04-358/15:47:44.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-358/15:28:36.1
3709	M1O	04-358/15:47:44.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-358/15:28:36.1
3710	M1O	04-358/16:00:00.0	14	End Post-Cal		
3711	M1O	04-358/16:07:31.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3712	M1O	04-358/16:12:31.0	24	Range Modulation On: SUP=3.0dB		
3713	M1O	04-358/16:13:31.0	24	Begin Ranging Acquisition		
3714	M1O	04-358/16:15:03.6		NOTE: South Pole Crossing 13424		04-358/15:55:54.8
3715	M1O	04-358/16:16:15.1		NOTE: Periapsis 13424		04-358/15:57:06.3

3716	M1O	04-358/16:17:44.7		GV: GV_DESAT_ACTIVE = 1		04-358/15:58:36.0
3717	M1O	04-358/16:17:45.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-358/15:58:37.0
3718	M1O	04-358/16:17:45.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-358/15:58:37.0
3719	M1O	04-358/16:27:44.7		GV: GV_DESAT_ACTIVE = 0		04-358/16:08:36.0
3720	M1O	04-358/16:27:45.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-358/16:08:37.0
3721	M1O	04-358/16:27:46.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-358/16:08:38.0
3722	M1O	04-358/16:27:47.7		CALL, Engine = , Parameters =	unpark_hga	04-358/16:08:39.0
3723	M1O	04-358/16:27:47.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-358/16:08:39.0
3724	M1O	04-358/16:27:48.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-358/16:08:40.0
3725	M1O	04-358/16:29:45.8		NOTE: Enter Planetary Atmosphere 13424		04-358/16:10:37.1
3726	M1O	04-358/16:31:52.3		NOTE: Enter Earth Occultation 13424		04-358/16:12:43.6
3727	M1O	04-358/16:32:18.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-358/16:13:10.0
3728	M1O	04-358/16:32:19.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-358/16:13:11.0
3729	M1O	04-358/16:36:19.7		NOTE: EXIT HGA PARK		
3730	M1O	04-358/16:44:22.3		NOTE: Ascending Node Crossing 13424		04-358/16:25:13.6
3731	M1O	04-358/16:44:52.9		SPAWN, Engine = 65535, Parameters = 00:07:31.170	cstr	04-358/16:25:44.2
3732	M1O	04-358/16:44:53.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-358/16:25:44.3
3733	M1O	04-358/16:44:54.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-358/16:25:45.3
3734	M1O	04-358/16:44:55.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-358/16:25:46.3
3735	M1O	04-358/16:44:56.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-358/16:25:47.3
3736	M1O	04-358/16:44:57.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-358/16:25:48.3
3737	M1O	04-358/16:45:07.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-358/16:25:58.3
3738	M1O	04-358/16:45:17.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-358/16:26:08.3
3739	M1O	04-358/16:45:17.9		NOTE: Exit Earth Occultation 13424		04-358/16:26:09.2
3740	M1O	04-358/16:45:17.9	24	Acquisition Of X-Band Signal		
3741	M1O	04-358/16:45:17.9	24	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3742	M1O	04-358/16:45:48.5	24	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3743	M1O	04-358/16:47:21.2		NOTE: Exit Planetary Atmosphere 13424		04-358/16:28:12.5
3744	M1O	04-358/16:52:48.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-358/16:33:39.5
3745	M1O	04-358/16:52:49.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-358/16:33:40.5
3746	M1O	04-358/16:52:49.1	24	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3747	M1O	04-358/16:52:50.1		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-358/16:33:41.5
3748	M1O	04-358/17:11:42.8	24	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3749	M1O	04-358/17:14:17.5		NOTE: North Pole Crossing 13424		04-358/16:55:08.9
3750	M1O	04-358/17:16:19.7		NOTE: Apoapsis 13424 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3789	M1O	04-358/18:48:56.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3790	M1O	04-358/18:48:57.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-358/18:29:49.1
3791	M1O	04-358/19:12:53.4		NOTE: North Pole Crossing 13425		04-358/18:53:45.0
3792	M1O	04-358/19:15:31.0		NOTE: Apoapsis 13425 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
3831	M1O	04-358/23:10:02.4		NOTE: North Pole Crossing 13427		04-358/22:50:54.5
3832	M1O	04-358/23:12:52.2		NOTE: Apoapsis 13427 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3873	M1O	04-359/02:09:25.7		NOTE: Periapsis 13429		04-359/01:50:18.2

3874	M1O	04-359/02:22:37.6		NOTE: Enter Planetary Atmosphere 13429		04-359/02:03:30.1
3875	M1O	04-359/02:23:10.3		SPAWN, Engine = 65535, Parameters = 00:20:37	dpt	04-359/02:04:02.8
3876	M1O	04-359/02:23:12.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-359/02:04:04.9
3877	M1O	04-359/02:23:12.4	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3878	M1O	04-359/02:23:13.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-359/02:04:05.9
3879	M1O	04-359/02:24:12.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3880	M1O	04-359/02:24:43.0		NOTE: Enter Earth Occultation 13429		04-359/02:05:35.6
3881	M1O	04-359/02:24:43.0	43	NOTE: Loss Of X-Band Signal		
3882	M1O	04-359/02:37:10.0		NOTE: Ascending Node Crossing 13429		04-359/02:18:02.6
3883	M1O	04-359/02:38:18.0		NOTE: Exit Earth Occultation 13429		04-359/02:19:10.5
3884	M1O	04-359/02:38:18.0	43	Acquisition Of X-Band Signal		
3885	M1O	04-359/02:38:18.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3886	M1O	04-359/02:38:48.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3887	M1O	04-359/02:40:20.2		NOTE: Exit Planetary Atmosphere 13429		04-359/02:21:12.8
3888	M1O	04-359/02:43:49.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-359/02:24:41.9
3889	M1O	04-359/02:43:49.3	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3890	M1O	04-359/02:43:50.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-359/02:24:42.9
3891	M1O	04-359/03:07:03.8		NOTE: North Pole Crossing 13429		04-359/02:47:56.5
3892	M1O	04-359/03:09:43.1		NOTE: Apoapsis 13429 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3913	M1O	04-359/04:20:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3914	M1O	04-359/04:20:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3915	M1O	04-359/04:20:00.0	63	Config: RCV: Parms:		
3916	M1O	04-359/04:20:00.0	63	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3917	M1O	04-359/04:20:00.0	63	Config: TGC: BAND=X, SR=79632.000000		
3918	M1O	04-359/04:20:00.0	63	Config: TXL		
3919	M1O	04-359/04:20:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
3920	M1O	04-359/04:20:00.0	63	Config: CMD		
3921	M1O	04-359/04:20:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
3922	M1O	04-359/04:21:09.9		NOTE: Enter Planetary Atmosphere 13430		04-359/04:02:02.7
3923	M1O	04-359/04:21:57.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-359/04:02:49.8
3924	M1O	04-359/04:21:57.0	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3925	M1O	04-359/04:21:58.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-359/04:02:50.8
3926	M1O	04-359/04:22:14.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-359/04:03:06.8
3927	M1O	04-359/04:22:14.0	43	D/L RF Warning: SC antenna change - expect signal level variation		
3928	M1O	04-359/04:22:15.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-359/04:03:07.8
3929	M1O	04-359/04:22:44.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3930	M1O	04-359/04:23:15.3		NOTE: Enter Earth Occultation 13430		04-359/04:04:08.0
3931	M1O	04-359/04:23:15.3	43	NOTE: Loss Of X-Band Signal		
3932	M1O	04-359/04:35:00.0	43	End Tracking		
3933	M1O	04-359/04:35:42.4		NOTE: Ascending Node Crossing 13430		04-359/04:16:35.3
3934	M1O	04-359/04:36:49.5		NOTE: Exit Earth Occultation 13430		04-359/04:17:42.3
3935	M1O	04-359/04:38:51.7		NOTE: Exit Planetary Atmosphere 13430		04-359/04:19:44.5
3936	M1O	04-359/04:50:00.0	43	End Post-Cal		
3937	M1O	04-359/05:05:37.6		NOTE: North Pole Crossing 13430		04-359/04:46:30.5
3938	M1O	04-359/05:08:15.8		NOTE: Apoapsis 13430 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3958	M1O	04-359/06:06:39.7		NOTE: Periapsis 13431 ----------		04-359/05:47:32.7
3959	M1O	04-359/06:10:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3960	M1O	04-359/06:15:00.0	63	Range Modulation On: SUP=3.0dB		
3961	M1O	04-359/06:16:00.0	63	Begin Ranging Acquisition		
3962	M1O	04-359/06:19:41.7		NOTE: Enter Planetary Atmosphere 13431		04-359/06:00:34.8
3963	M1O	04-359/06:20:44.5		SPAWN, Engine = 65535, Parameters = 00:19:39.125	dpt	04-359/06:01:37.5
3964	M1O	04-359/06:20:46.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-359/06:01:39.6
3965	M1O	04-359/06:20:46.6	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3966	M1O	04-359/06:20:47.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-359/06:01:40.6
3967	M1O	04-359/06:21:46.5		NOTE: Enter Earth Occultation 13431		04-359/06:02:39.5
3968	M1O	04-359/06:21:46.5	63	NOTE: Loss Of X-Band Signal		
3969	M1O	04-359/06:34:17.3		NOTE: Ascending Node Crossing 13431		04-359/06:15:10.4
3970	M1O	04-359/06:35:25.6		NOTE: Exit Earth Occultation 13431		04-359/06:16:18.7
3971	M1O	04-359/06:35:25.6	63	Acquisition Of X-Band Signal		
3972	M1O	04-359/06:35:25.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3973	M1O	04-359/06:37:27.1		NOTE: Exit Planetary Atmosphere 13431		04-359/06:18:20.2
3974	M1O	04-359/06:40:25.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-359/06:21:18.8
3975	M1O	04-359/06:40:25.7	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3976	M1O	04-359/06:40:26.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-359/06:21:19.8
3977	M1O	04-359/06:47:11.9		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	04-359/06:28:05.0
3978	M1O	04-359/06:47:14.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-359/06:28:07.1
3979	M1O	04-359/06:47:14.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3980	M1O	04-359/06:47:15.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-359/06:28:08.1
3981	M1O	04-359/06:48:13.9	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3982	M1O	04-359/06:53:14.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-359/06:34:07.1
3983	M1O	04-359/06:53:14.0	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3984	M1O	04-359/06:53:15.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-359/06:34:08.1
3985	M1O	04-359/07:04:13.1		NOTE: North Pole Crossing 13431		04-359/06:45:06.3
3986	M1O	04-359/07:06:42.4		NOTE: Apoapsis 13431 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3995	M1O	04-359/07:20:53.0		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-359/07:01:46.2
3996	M1O	04-359/07:21:13.0		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-359/07:02:06.2
3997	M1O	04-359/07:21:23.0		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-359/07:02:16.2
3998	M1O	04-359/07:21:43.0		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-359/07:02:36.2
3999	M1O	04-359/07:21:53.0		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-359/07:02:46.2
4000	M1O	04-359/07:21:58.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-359/07:02:51.2
4001	M1O	04-359/07:22:03.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-359/07:02:56.2
4002	M1O	04-359/07:22:08.0		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-359/07:03:01.2
4003	M1O	04-359/07:22:13.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-359/07:03:06.2
4004	M1O	04-359/07:22:18.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-359/07:03:11.2
4005	M1O	04-359/07:22:58.0		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-359/07:03:51.2
4006	M1O	04-359/07:23:03.0		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-359/07:03:56.2
4007	M1O	04-359/07:23:08.0		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-359/07:04:01.2
4008	M1O	04-359/07:23:13.0		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-359/07:04:06.2
4009	M1O	04-359/07:23:18.0		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-359/07:04:11.2
4010	M1O	04-359/07:23:19.0		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-359/07:04:12.2
4011	M1O	04-359/07:23:20.0		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-359/07:04:13.2
4012	M1O	04-359/07:23:21.0		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-359/07:04:14.2
4013	M1O	04-359/07:23:32.0		NOTE: End Block fsw_diag.mod		04-359/07:04:25.2
4014	M1O	04-359/07:26:39.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
4015	M1O	04-359/07:34:13.3		NOTE: Descending Node Crossing 13432		04-359/07:15:06.5
4016	M1O	04-359/07:36:39.0	63	Range Modulation Off		
4017	M1O	04-359/07:41:39.0	63	X-Band Transmitter Off		
4018	M1O	04-359/07:56:21.0	63	TXR On: PWR=20.0, Band=X		
4019	M1O	04-359/08:01:21.0	63	Range Modulation On: SUP=3.0dB		
4020	M1O	04-359/08:02:21.0	63	Begin Ranging Acquisition		
4021	M1O	04-359/08:03:35.4		NOTE: South Pole Crossing 13432		04-359/07:44:28.6
4022	M1O	04-359/08:05:12.8		NOTE: Periapsis 13432		04-359/07:46:06.0

4023	M1O	04-359/08:18:18.1		NOTE: Enter Planetary Atmosphere 13432		04-359/07:59:11.4
4024	M1O	04-359/08:18:50.7		SPAWN, Engine = 65535, Parameters = 00:20:42	dpt	04-359/07:59:44.0
4025	M1O	04-359/08:18:52.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-359/07:59:46.1
4026	M1O	04-359/08:18:52.8	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4027	M1O	04-359/08:18:53.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-359/07:59:47.1
4028	M1O	04-359/08:19:52.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4029	M1O	04-359/08:20:22.8		NOTE: Enter Earth Occultation 13432		04-359/08:01:16.1
4030	M1O	04-359/08:20:22.8	63	NOTE: Loss Of X-Band Signal		
4031	M1O	04-359/08:32:53.2		NOTE: Ascending Node Crossing 13432		04-359/08:13:46.5
4032	M1O	04-359/08:34:03.0		NOTE: Exit Earth Occultation 13432		04-359/08:14:56.3
4033	M1O	04-359/08:34:03.0	63	Acquisition Of X-Band Signal		
4034	M1O	04-359/08:34:03.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4035	M1O	04-359/08:34:34.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4036	M1O	04-359/08:36:04.4		NOTE: Exit Planetary Atmosphere 13432		04-359/08:16:57.8
4037	M1O	04-359/08:39:34.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-359/08:20:28.1
4038	M1O	04-359/08:39:34.8	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4039	M1O	04-359/08:39:35.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-359/08:20:29.1
4040	M1O	04-359/09:02:48.6		NOTE: North Pole Crossing 13432		04-359/08:43:42.0
4041	M1O	04-359/09:05:03.1		NOTE: Apoapsis 13432 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4043	M1O	04-359/09:32:48.2		NOTE: Descending Node Crossing 13433		04-359/09:13:41.7
4044	M1O	04-359/09:35:18.0	63	Range Modulation Off		
4045	M1O	04-359/09:40:18.0	63	X-Band Transmitter Off		
4046	M1O	04-359/09:54:58.0	63	TXR On: PWR=20.0, Band=X		
4047	M1O	04-359/09:59:58.0	63	Range Modulation On: SUP=3.0dB		
4048	M1O	04-359/10:00:58.0	63	Begin Ranging Acquisition		
4049	M1O	04-359/10:02:10.4		NOTE: South Pole Crossing 13433		04-359/09:43:03.9
4050	M1O	04-359/10:03:47.0		NOTE: Periapsis 13433		04-359/09:44:40.5

4051	M1O	04-359/10:16:57.4		NOTE: Enter Planetary Atmosphere 13433		04-359/09:57:50.9
4052	M1O	04-359/10:17:29.5		SPAWN, Engine = 65535, Parameters = 00:20:40	dpt	04-359/09:58:23.0
4053	M1O	04-359/10:17:31.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-359/09:58:25.1
4054	M1O	04-359/10:17:31.6	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4055	M1O	04-359/10:17:32.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-359/09:58:26.1
4056	M1O	04-359/10:18:31.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4057	M1O	04-359/10:19:02.4		NOTE: Enter Earth Occultation 13433		04-359/09:59:56.0
4058	M1O	04-359/10:19:02.4	63	NOTE: Loss Of X-Band Signal		
4059	M1O	04-359/10:31:28.3		NOTE: Ascending Node Crossing 13433		04-359/10:12:21.9
4060	M1O	04-359/10:32:40.1		NOTE: Exit Earth Occultation 13433		04-359/10:13:33.7
4061	M1O	04-359/10:32:40.1	63	Acquisition Of X-Band Signal		
4062	M1O	04-359/10:32:40.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4063	M1O	04-359/10:33:10.9	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4064	M1O	04-359/10:34:42.0		NOTE: Exit Planetary Atmosphere 13433		04-359/10:15:35.6
4065	M1O	04-359/10:38:11.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-359/10:19:05.1
4066	M1O	04-359/10:38:11.5	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4067	M1O	04-359/10:38:12.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-359/10:19:06.1
4068	M1O	04-359/11:01:22.6		NOTE: North Pole Crossing 13433		04-359/10:42:16.2
4069	M1O	04-359/11:03:34.8		NOTE: Apoapsis 13433 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4091	M1O	04-359/12:02:22.8		NOTE: Periapsis 13434		04-359/11:43:16.6

4092	M1O	04-359/12:15:32.7		NOTE: Enter Planetary Atmosphere 13434		04-359/11:56:26.5
4093	M1O	04-359/12:16:06.0		SPAWN, Engine = 65535, Parameters = 00:20:39	dpt	04-359/11:56:59.8
4094	M1O	04-359/12:16:08.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-359/11:57:01.9
4095	M1O	04-359/12:16:08.1	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4096	M1O	04-359/12:16:09.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-359/11:57:02.9
4097	M1O	04-359/12:17:06.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4098	M1O	04-359/12:17:37.8		NOTE: Enter Earth Occultation 13434		04-359/11:58:31.7
4099	M1O	04-359/12:17:37.8	63	NOTE: Loss Of X-Band Signal		
4100	M1O	04-359/12:30:00.4		NOTE: Ascending Node Crossing 13434		04-359/12:10:54.2
4101	M1O	04-359/12:31:15.1		NOTE: Exit Earth Occultation 13434		04-359/12:12:09.0
4102	M1O	04-359/12:31:15.1	63	Acquisition Of X-Band Signal		
4103	M1O	04-359/12:31:15.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4104	M1O	04-359/12:31:45.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4105	M1O	04-359/12:33:17.1		NOTE: Exit Planetary Atmosphere 13434		04-359/12:14:11.0
4106	M1O	04-359/12:36:47.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-359/12:17:40.9
4107	M1O	04-359/12:36:47.1	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4108	M1O	04-359/12:36:48.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-359/12:17:41.9
4109	M1O	04-359/12:46:47.8	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
4110	M1O	04-359/12:59:53.9		NOTE: North Pole Crossing 13434		04-359/12:40:47.8
4111	M1O	04-359/13:02:23.2		NOTE: Apoapsis 13434 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
4136	M1O	04-359/14:15:35.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4137	M1O	04-359/14:16:06.4		NOTE: Enter Earth Occultation 13435		04-359/13:57:00.5
4138	M1O	04-359/14:16:06.4	14	NOTE: Loss Of X-Band Signal		
4139	M1O	04-359/14:28:29.6		NOTE: Ascending Node Crossing 13435		04-359/14:09:23.7
4140	M1O	04-359/14:29:44.7		NOTE: Exit Earth Occultation 13435		04-359/14:10:38.8
4141	M1O	04-359/14:29:44.7	14	Acquisition Of X-Band Signal		
4142	M1O	04-359/14:29:44.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4143	M1O	04-359/14:30:15.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
4144	M1O	04-359/14:30:15.9	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4145	M1O	04-359/14:31:46.5		NOTE: Exit Planetary Atmosphere 13435		04-359/14:12:40.6
4146	M1O	04-359/14:35:16.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-359/14:16:10.4
4147	M1O	04-359/14:35:16.3	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4148	M1O	04-359/14:35:17.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-359/14:16:11.4
4149	M1O	04-359/14:40:15.0	14	Range Modulation Off		
4150	M1O	04-359/14:45:15.0	14	X-Band Transmitter Off		
4151	M1O	04-359/14:58:24.0		NOTE: North Pole Crossing 13435		04-359/14:39:18.2
4152	M1O	04-359/15:00:36.0		NOTE: Apoapsis 13435 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4176	M1O	04-359/15:22:24.8		NOTE: START HGA PARK		
4177	M1O	04-359/15:22:24.8	14	NOTE: Loss Of X-Band Signal		
4178	M1O	04-359/15:22:25.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-359/15:03:20.1
4179	M1O	04-359/15:22:26.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-359/15:03:21.1
4180	M1O	04-359/15:26:56.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-359/15:07:51.1
4181	M1O	04-359/15:28:22.3		NOTE: Descending Node Crossing 13436		04-359/15:09:16.5
4182	M1O	04-359/15:30:26.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-359/15:11:21.1
4183	M1O	04-359/15:30:26.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-359/15:11:21.1
4184	M1O	04-359/15:50:33.0	14	TXR On: PWR=20.0, Band=X		
4185	M1O	04-359/15:55:33.0	14	Range Modulation On: SUP=3.0dB		
4186	M1O	04-359/15:56:33.0	14	Begin Ranging Acquisition		
4187	M1O	04-359/15:57:43.2		NOTE: South Pole Crossing 13436		04-359/15:38:37.5
4188	M1O	04-359/15:58:52.1		NOTE: Periapsis 13436		04-359/15:39:46.4

4189	M1O	04-359/16:00:26.7		GV: GV_DESAT_ACTIVE = 1		04-359/15:41:21.0
4190	M1O	04-359/16:00:27.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-359/15:41:22.0
4191	M1O	04-359/16:00:27.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-359/15:41:22.0
4192	M1O	04-359/16:10:26.6		GV: GV_DESAT_ACTIVE = 0		04-359/15:51:21.0
4193	M1O	04-359/16:10:27.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-359/15:51:22.0
4194	M1O	04-359/16:10:28.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-359/15:51:23.0
4195	M1O	04-359/16:10:29.6		CALL, Engine = , Parameters =	unpark_hga	04-359/15:51:24.0
4196	M1O	04-359/16:10:29.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-359/15:51:24.0
4197	M1O	04-359/16:10:30.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-359/15:51:25.0
4198	M1O	04-359/16:12:33.1		NOTE: Enter Planetary Atmosphere 13436		04-359/15:53:27.4
4199	M1O	04-359/16:14:38.5		NOTE: Enter Earth Occultation 13436		04-359/15:55:32.8
4200	M1O	04-359/16:15:00.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-359/15:55:55.0
4201	M1O	04-359/16:15:01.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-359/15:55:56.0
4202	M1O	04-359/16:19:01.6		NOTE: EXIT HGA PARK		
4203	M1O	04-359/16:27:01.1		NOTE: Ascending Node Crossing 13436		04-359/16:07:55.4
4204	M1O	04-359/16:27:48.1		SPAWN, Engine = 65535, Parameters = 00:07:31.810	cstr	04-359/16:08:42.5
4205	M1O	04-359/16:27:48.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-359/16:08:42.6
4206	M1O	04-359/16:27:49.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-359/16:08:43.6
4207	M1O	04-359/16:27:50.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-359/16:08:44.6
4208	M1O	04-359/16:27:51.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-359/16:08:45.6
4209	M1O	04-359/16:27:52.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-359/16:08:46.6
4210	M1O	04-359/16:28:02.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-359/16:08:56.6
4211	M1O	04-359/16:28:12.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-359/16:09:06.6
4212	M1O	04-359/16:28:13.1		NOTE: Exit Earth Occultation 13436		04-359/16:09:07.5
4213	M1O	04-359/16:28:13.1	14	Acquisition Of X-Band Signal		
4214	M1O	04-359/16:28:13.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4215	M1O	04-359/16:28:44.4	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4216	M1O	04-359/16:30:15.3		NOTE: Exit Planetary Atmosphere 13436		04-359/16:11:09.6
4217	M1O	04-359/16:35:44.0		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-359/16:16:38.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
4218	M1O	04-359/16:35:45.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-359/16:16:39.4
4219	M1O	04-359/16:35:45.0	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4220	M1O	04-359/16:35:46.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-359/16:16:40.4
4221	M1O	04-359/16:56:56.5		NOTE: North Pole Crossing 13436		04-359/16:37:50.9
4222	M1O	04-359/16:58:49.1		NOTE: Apoapsis 13436 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4262	M1O	04-359/20:05:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4263	M1O	04-359/20:05:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4264	M1O	04-359/20:05:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4265	M1O	04-359/20:05:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
4266	M1O	04-359/20:05:00.0	43	Config: RCV: Parms:		
4267	M1O	04-359/20:05:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
4268	M1O	04-359/20:05:00.0	43	Config: TGC: BAND=X, SR=238896.000000		
4269	M1O	04-359/20:05:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
4270	M1O	04-359/20:09:46.5		NOTE: Enter Planetary Atmosphere 13438		04-359/19:50:41.4
4271	M1O	04-359/20:10:18.7		SPAWN, Engine = 65535, Parameters = 00:20:39	dpt	04-359/19:51:13.5
4272	M1O	04-359/20:10:20.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-359/19:51:15.6
4273	M1O	04-359/20:10:20.8	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4274	M1O	04-359/20:10:21.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-359/19:51:16.6
4275	M1O	04-359/20:11:20.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4276	M1O	04-359/20:11:51.4		NOTE: Enter Earth Occultation 13438		04-359/19:52:46.3
4277	M1O	04-359/20:11:51.4	14	NOTE: Loss Of X-Band Signal		
4278	M1O	04-359/20:24:12.7		NOTE: Ascending Node Crossing 13438		04-359/20:05:07.6
4279	M1O	04-359/20:25:28.4		NOTE: Exit Earth Occultation 13438		04-359/20:06:23.2
4280	M1O	04-359/20:25:28.4	14	Acquisition Of X-Band Signal		
4281	M1O	04-359/20:25:28.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4282	M1O	04-359/20:25:59.3	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4283	M1O	04-359/20:27:30.2		NOTE: Exit Planetary Atmosphere 13438		04-359/20:08:25.1
4284	M1O	04-359/20:30:59.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-359/20:11:54.6
4285	M1O	04-359/20:30:59.7	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4286	M1O	04-359/20:31:00.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-359/20:11:55.6
4287	M1O	04-359/20:54:07.3		NOTE: North Pole Crossing 13438		04-359/20:35:02.3
4288	M1O	04-359/20:56:58.1		NOTE: Apoapsis 13438 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4306	M1O	04-359/21:58:10.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-359/21:39:05.6
4307	M1O	04-359/21:58:10.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4308	M1O	04-359/21:58:11.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-359/21:39:06.6
4309	M1O	04-359/22:08:19.7		NOTE: Enter Planetary Atmosphere 13439		04-359/21:49:14.8
4310	M1O	04-359/22:09:22.0		SPAWN, Engine = 65535, Parameters = 00:19:43.272	dpt	04-359/21:50:17.1
4311	M1O	04-359/22:09:24.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-359/21:50:19.2
4312	M1O	04-359/22:09:24.1	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4313	M1O	04-359/22:09:25.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-359/21:50:20.2
4314	M1O	04-359/22:10:24.0		NOTE: Enter Earth Occultation 13439		04-359/21:51:19.1
4315	M1O	04-359/22:10:24.0	43	NOTE: Loss Of X-Band Signal		
4316	M1O	04-359/22:22:47.2		NOTE: Ascending Node Crossing 13439		04-359/22:03:42.3
4317	M1O	04-359/22:24:07.2		NOTE: Exit Earth Occultation 13439		04-359/22:05:02.4
4318	M1O	04-359/22:24:07.2	43	Acquisition Of X-Band Signal		
4319	M1O	04-359/22:24:07.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4320	M1O	04-359/22:26:08.4		NOTE: Exit Planetary Atmosphere 13439		04-359/22:07:03.5
4321	M1O	04-359/22:29:07.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-359/22:10:02.5
4322	M1O	04-359/22:29:07.3	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4323	M1O	04-359/22:29:08.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-359/22:10:03.5
4324	M1O	04-359/22:52:41.8		NOTE: North Pole Crossing 13439		04-359/22:33:36.9
4325	M1O	04-359/22:55:35.0		NOTE: Apoapsis 13439 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4347	M1O	04-360/01:21:12.1		NOTE: Descending Node Crossing 13441		04-360/01:02:07.6
4348	M1O	04-360/01:50:33.0		NOTE: South Pole Crossing 13441		04-360/01:31:28.5
4349	M1O	04-360/01:52:08.1		NOTE: Periapsis 13441 ----------		04-360/01:33:03.7
4350	M1O	04-360/02:05:25.0		NOTE: Enter Planetary Atmosphere 13441		04-360/01:46:20.6
4351	M1O	04-360/02:06:27.4		SPAWN, Engine = 65535, Parameters = 00:19:44.176	dpt	04-360/01:47:23.0
4352	M1O	04-360/02:06:29.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-360/01:47:25.1
4353	M1O	04-360/02:06:29.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4354	M1O	04-360/02:06:30.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-360/01:47:26.1
4355	M1O	04-360/02:07:29.4		NOTE: Enter Earth Occultation 13441		04-360/01:48:25.0
4356	M1O	04-360/02:07:29.4	43	NOTE: Loss Of X-Band Signal		
4357	M1O	04-360/02:19:49.8		NOTE: Ascending Node Crossing 13441		04-360/02:00:45.4
4358	M1O	04-360/02:21:13.5		NOTE: Exit Earth Occultation 13441		04-360/02:02:09.1
4359	M1O	04-360/02:21:13.5	43	Acquisition Of X-Band Signal		
4360	M1O	04-360/02:21:13.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4361	M1O	04-360/02:23:14.7		NOTE: Exit Planetary Atmosphere 13441		04-360/02:04:10.3
4362	M1O	04-360/02:26:13.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-360/02:07:09.2
4363	M1O	04-360/02:26:13.6	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4364	M1O	04-360/02:26:14.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-360/02:07:10.2
4365	M1O	04-360/02:49:43.6		NOTE: North Pole Crossing 13441		04-360/02:30:39.3
4366	M1O	04-360/02:52:13.0		NOTE: Apoapsis 13441 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4385	M1O	04-360/04:05:31.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-360/03:46:27.8
4386	M1O	04-360/04:06:02.7		NOTE: Enter Earth Occultation 13442		04-360/03:46:58.6
4387	M1O	04-360/04:06:02.7	43	NOTE: Loss Of X-Band Signal		
4388	M1O	04-360/04:18:21.1		NOTE: Ascending Node Crossing 13442		04-360/03:59:16.9
4389	M1O	04-360/04:19:43.6		NOTE: Exit Earth Occultation 13442		04-360/04:00:39.5
4390	M1O	04-360/04:19:43.6	43	Acquisition Of X-Band Signal		
4391	M1O	04-360/04:19:43.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4392	M1O	04-360/04:21:44.8		NOTE: Exit Planetary Atmosphere 13442		04-360/04:02:40.7
4393	M1O	04-360/04:30:00.0	43	End Tracking		
4394	M1O	04-360/04:45:00.0	43	End Post-Cal		
4395	M1O	04-360/04:48:15.9		NOTE: North Pole Crossing 13442		04-360/04:29:11.9
4396	M1O	04-360/04:50:52.3		NOTE: Apoapsis 13442 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
4433	M1O	04-360/06:57:00.0	63	Begin Ranging Acquisition		
4434	M1O	04-360/06:57:00.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-360/06:37:56.2
4435	M1O	04-360/06:57:00.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4436	M1O	04-360/06:57:01.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-360/06:37:57.2
4437	M1O	04-360/07:09:29.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
4438	M1O	04-360/07:16:51.2		NOTE: Descending Node Crossing 13444		04-360/06:57:47.5
4439	M1O	04-360/07:19:03.7		SPAWN, Engine = 65535, Parameters =	scdiag	04-360/07:00:00.0
4440	M1O	04-360/07:19:04.8		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-360/07:00:01.1
4441	M1O	04-360/07:19:05.8		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-360/07:00:02.1
4442	M1O	04-360/07:19:29.0	63	Range Modulation Off		
4443	M1O	04-360/07:20:06.7		SPAWN, Engine = 65535, Parameters = MONTHLY	fsw_diag	04-360/07:01:03.0
4444	M1O	04-360/07:20:06.9		NOTE: Start Block fsw_diag		04-360/07:01:03.2
4445	M1O	04-360/07:20:07.9		Causes flight software to execute the VXWorks shells commands contained in the designated file.: d:/scr/fsw_patch_log_dump.scr	FSW_VX_SCRIPT	04-360/07:01:04.2
4446	M1O	04-360/07:20:17.9		Causes the fault history table to be dumped.	FHT_DUMP_ALL	04-360/07:01:14.2
4447	M1O	04-360/07:20:27.9		Creates a non-channelized telemetry packet for APID 7.: c:/cfg	FILE_DIR_DUMP	04-360/07:01:24.2
4448	M1O	04-360/07:20:37.9		Creates a non-channelized telemetry packet for APID 7.: c:/pat	FILE_DIR_DUMP	04-360/07:01:34.2
4449	M1O	04-360/07:20:47.9		Creates a non-channelized telemetry packet for APID 7.: c:/scr	FILE_DIR_DUMP	04-360/07:01:44.2
4450	M1O	04-360/07:20:57.9		Creates a non-channelized telemetry packet for APID 7.: c:/seq	FILE_DIR_DUMP	04-360/07:01:54.2
4451	M1O	04-360/07:21:07.9		Creates a non-channelized telemetry packet for APID 7.: c:/tlm	FILE_DIR_DUMP	04-360/07:02:04.2
4452	M1O	04-360/07:21:17.9		Creates a non-channelized telemetry packet for APID 7.: d:/cfg	FILE_DIR_DUMP	04-360/07:02:14.2
4453	M1O	04-360/07:21:27.9		Creates a non-channelized telemetry packet for APID 7.: d:/pat	FILE_DIR_DUMP	04-360/07:02:24.2
4454	M1O	04-360/07:21:37.9		Creates a non-channelized telemetry packet for APID 7.: d:/scr	FILE_DIR_DUMP	04-360/07:02:34.2
4455	M1O	04-360/07:21:47.9		Creates a non-channelized telemetry packet for APID 7.: d:/seq	FILE_DIR_DUMP	04-360/07:02:44.2
4456	M1O	04-360/07:21:57.9		Creates a non-channelized telemetry packet for APID 7.: d:/tlm	FILE_DIR_DUMP	04-360/07:02:54.2
4457	M1O	04-360/07:22:07.9		Creates a non-channelized telemetry packet for APID 7.: d:/grs	FILE_DIR_DUMP	04-360/07:03:04.2
4458	M1O	04-360/07:22:17.9		Creates a non-channelized telemetry packet for APID 7.: d:/marie	FILE_DIR_DUMP	04-360/07:03:14.2
4459	M1O	04-360/07:22:27.9		Creates a non-channelized telemetry packet for APID 7.: d:/themis	FILE_DIR_DUMP	04-360/07:03:24.2
4460	M1O	04-360/07:22:37.9		Creates a non-channelized telemetry packet for APID 7.: d:/dat	FILE_DIR_DUMP	04-360/07:03:34.2
4461	M1O	04-360/07:22:47.9		Creates a non-channelized telemetry packet for APID 7.: c:/themis	FILE_DIR_DUMP	04-360/07:03:44.2
4462	M1O	04-360/07:22:57.9		Causes flight software to execute the VXWorks shells commands contained in the designated file.: d:/scr/dumpMsg_Q_Trace.scr	FSW_VX_SCRIPT	04-360/07:03:54.2
4463	M1O	04-360/07:23:08.9		NOTE: End Block fsw_diag.mod		04-360/07:04:05.2
4464	M1O	04-360/07:24:08.7		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-360/07:05:05.0
4465	M1O	04-360/07:24:08.9		NOTE: Start Block fsw_diag		04-360/07:05:05.2
4466	M1O	04-360/07:24:09.9		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-360/07:05:06.2
4467	M1O	04-360/07:24:10.9		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	04-360/07:05:07.2
4468	M1O	04-360/07:24:21.9		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	04-360/07:05:18.2
4469	M1O	04-360/07:24:29.0	63	X-Band Transmitter Off		
4470	M1O	04-360/07:24:51.9		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-360/07:05:48.2
4471	M1O	04-360/07:25:11.9		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-360/07:06:08.2
4472	M1O	04-360/07:25:21.9		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-360/07:06:18.2
4473	M1O	04-360/07:25:41.9		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-360/07:06:38.2
4474	M1O	04-360/07:25:51.9		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-360/07:06:48.2
4475	M1O	04-360/07:25:56.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-360/07:06:53.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4476	M1O	04-360/07:26:01.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-360/07:06:58.2
4477	M1O	04-360/07:26:06.9		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-360/07:07:03.2
4478	M1O	04-360/07:26:11.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-360/07:07:08.2
4479	M1O	04-360/07:26:16.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-360/07:07:13.2
4480	M1O	04-360/07:26:56.9		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-360/07:07:53.2
4481	M1O	04-360/07:27:01.9		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-360/07:07:58.2
4482	M1O	04-360/07:27:06.9		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-360/07:08:03.2
4483	M1O	04-360/07:27:11.9		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-360/07:08:08.2
4484	M1O	04-360/07:27:16.9		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-360/07:08:13.2
4485	M1O	04-360/07:27:17.9		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-360/07:08:14.2
4486	M1O	04-360/07:27:18.9		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-360/07:08:15.2
4487	M1O	04-360/07:27:19.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-360/07:08:16.2
4488	M1O	04-360/07:27:30.9		NOTE: End Block fsw_diag.mod		04-360/07:08:27.2
4489	M1O	04-360/07:28:05.6		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	04-360/07:09:01.9
4490	M1O	04-360/07:28:07.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-360/07:09:04.0
4491	M1O	04-360/07:28:07.7	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4492	M1O	04-360/07:28:08.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-360/07:09:05.0
4493	M1O	04-360/07:29:07.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4494	M1O	04-360/07:34:07.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-360/07:15:04.0
4495	M1O	04-360/07:34:07.7	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4496	M1O	04-360/07:34:08.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-360/07:15:05.0
4497	M1O	04-360/07:39:19.0	63	TXR On: PWR=20.0, Band=X		
4498	M1O	04-360/07:44:19.0	63	Range Modulation On: SUP=3.0dB		
4499	M1O	04-360/07:45:19.0	63	Begin Ranging Acquisition		
4500	M1O	04-360/07:46:13.0		NOTE: South Pole Crossing 13444		04-360/07:27:09.3
4501	M1O	04-360/07:47:51.1		NOTE: Periapsis 13444		04-360/07:28:47.4

4502	M1O	04-360/08:01:03.1		NOTE: Enter Planetary Atmosphere 13444		04-360/07:41:59.5
4503	M1O	04-360/08:01:34.6		SPAWN, Engine = 65535, Parameters = 00:20:50	dpt	04-360/07:42:30.9
4504	M1O	04-360/08:01:36.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-360/07:42:33.0
4505	M1O	04-360/08:01:36.7	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4506	M1O	04-360/08:01:37.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-360/07:42:34.0
4507	M1O	04-360/08:02:36.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4508	M1O	04-360/08:03:06.8		NOTE: Enter Earth Occultation 13444		04-360/07:44:03.2
4509	M1O	04-360/08:03:06.8	63	NOTE: Loss Of X-Band Signal		
4510	M1O	04-360/08:15:30.6		NOTE: Ascending Node Crossing 13444		04-360/07:56:27.0
4511	M1O	04-360/08:16:55.1		NOTE: Exit Earth Occultation 13444		04-360/07:57:51.5
4512	M1O	04-360/08:16:55.1	63	Acquisition Of X-Band Signal		
4513	M1O	04-360/08:16:55.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4514	M1O	04-360/08:17:26.3	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4515	M1O	04-360/08:18:55.4		NOTE: Exit Planetary Atmosphere 13444		04-360/07:59:51.8
4516	M1O	04-360/08:22:26.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-360/08:03:23.0
4517	M1O	04-360/08:22:26.6	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4518	M1O	04-360/08:22:27.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-360/08:03:24.0
4519	M1O	04-360/08:45:26.7		NOTE: North Pole Crossing 13444		04-360/08:26:23.1
4520	M1O	04-360/08:47:44.8		NOTE: Apoapsis 13444 -		04-360/08:28:41.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				-		
4521	M1O	04-360/09:08:08.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
4522	M1O	04-360/09:15:27.1		NOTE: Descending Node Crossing 13445		04-360/08:56:23.6
4523	M1O	04-360/09:18:08.0	63	Range Modulation Off		
4524	M1O	04-360/09:23:08.0	63	X-Band Transmitter Off		
4525	M1O	04-360/09:37:57.0	63	TXR On: PWR=20.0, Band=X		
4526	M1O	04-360/09:42:57.0	63	Range Modulation On: SUP=3.0dB		
4527	M1O	04-360/09:43:57.0	63	Begin Ranging Acquisition		
4528	M1O	04-360/09:44:48.9		NOTE: South Pole Crossing 13445		04-360/09:25:45.4
4529	M1O	04-360/09:46:23.0		NOTE: Periapsis 13445		04-360/09:27:19.6

4530	M1O	04-360/09:59:41.9		NOTE: Enter Planetary Atmosphere 13445		04-360/09:40:38.5
4531	M1O	04-360/10:00:13.3		SPAWN, Engine = 65535, Parameters = 00:20:49	dpt	04-360/09:41:09.9
4532	M1O	04-360/10:00:15.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-360/09:41:12.0
4533	M1O	04-360/10:00:15.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4534	M1O	04-360/10:00:16.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-360/09:41:13.0
4535	M1O	04-360/10:01:14.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4536	M1O	04-360/10:01:45.8		NOTE: Enter Earth Occultation 13445		04-360/09:42:42.4
4537	M1O	04-360/10:01:45.8	63	NOTE: Loss Of X-Band Signal		
4538	M1O	04-360/10:14:06.5		NOTE: Ascending Node Crossing 13445		04-360/09:55:03.1
4539	M1O	04-360/10:15:32.6		NOTE: Exit Earth Occultation 13445		04-360/09:56:29.2
4540	M1O	04-360/10:15:32.6	63	Acquisition Of X-Band Signal		
4541	M1O	04-360/10:15:32.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4542	M1O	04-360/10:16:03.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4543	M1O	04-360/10:17:33.2		NOTE: Exit Planetary Atmosphere 13445		04-360/09:58:29.9
4544	M1O	04-360/10:21:04.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-360/10:02:01.0
4545	M1O	04-360/10:21:04.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4546	M1O	04-360/10:21:05.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-360/10:02:02.0
4547	M1O	04-360/10:44:01.7		NOTE: North Pole Crossing 13445		04-360/10:24:58.4
4548	M1O	04-360/10:46:08.6		NOTE: Apoapsis 13445 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4567	M1O	04-360/11:50:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
4568	M1O	04-360/11:58:19.5		NOTE: Enter Planetary Atmosphere 13446		04-360/11:39:16.4
4569	M1O	04-360/11:58:51.0		SPAWN, Engine = 65535, Parameters = 00:20:48.779	dpt	04-360/11:39:47.9
4570	M1O	04-360/11:58:53.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-360/11:39:50.0
4571	M1O	04-360/11:58:53.1	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4572	M1O	04-360/11:58:54.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-360/11:39:51.0
4573	M1O	04-360/11:59:52.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4574	M1O	04-360/12:00:23.6		NOTE: Enter Earth Occultation 13446		04-360/11:41:20.5
4575	M1O	04-360/12:00:23.6	63	NOTE: Loss Of X-Band Signal		
4576	M1O	04-360/12:12:40.1		NOTE: Ascending Node Crossing 13446		04-360/11:53:37.1
4577	M1O	04-360/12:14:09.1		NOTE: Exit Earth Occultation 13446		04-360/11:55:06.0
4578	M1O	04-360/12:14:09.1	63	Acquisition Of X-Band Signal		
4579	M1O	04-360/12:14:09.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4580	M1O	04-360/12:14:40.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4581	M1O	04-360/12:16:10.0		NOTE: Exit Planetary Atmosphere 13446		04-360/11:57:06.9
4582	M1O	04-360/12:19:41.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-360/12:00:38.8
4583	M1O	04-360/12:19:41.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4584	M1O	04-360/12:19:42.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-360/12:00:39.8
4585	M1O	04-360/12:42:34.2		NOTE: North Pole Crossing 13446		04-360/12:23:31.2
4586	M1O	04-360/12:44:53.5		NOTE: Apoapsis 13446 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4611	M1O	04-360/14:14:42.4		NOTE: Exit Planetary Atmosphere 13447		04-360/13:55:39.6
4612	M1O	04-360/14:17:41.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-360/13:58:38.9
4613	M1O	04-360/14:17:41.7	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4614	M1O	04-360/14:17:42.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-360/13:58:39.9
4615	M1O	04-360/14:41:04.7		NOTE: North Pole Crossing 13447		04-360/14:22:01.9
4616	M1O	04-360/14:43:26.1		NOTE: Apoapsis 13447 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4649	M1O	04-360/15:25:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4650	M1O	04-360/15:25:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4651	M1O	04-360/15:25:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4652	M1O	04-360/15:25:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4653	M1O	04-360/15:25:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
4654	M1O	04-360/15:25:00.0	43	Config: RCV: Parms:		
4655	M1O	04-360/15:25:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
4656	M1O	04-360/15:25:00.0	43	Config: TGC: BAND=X, SR=238896.000000		
4657	M1O	04-360/15:25:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
4658	M1O	04-360/15:40:23.3		NOTE: South Pole Crossing 13448		04-360/15:21:20.7
4659	M1O	04-360/15:41:42.2		NOTE: Periapsis 13448		04-360/15:22:39.5

4660	M1O	04-360/15:43:07.6		GV: GV_DESAT_ACTIVE = 1		04-360/15:24:05.0
4661	M1O	04-360/15:43:08.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-360/15:24:06.0
4662	M1O	04-360/15:43:08.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-360/15:24:06.0
4663	M1O	04-360/15:53:07.6		GV: GV_DESAT_ACTIVE = 0		04-360/15:34:05.0
4664	M1O	04-360/15:53:08.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-360/15:34:06.0
4665	M1O	04-360/15:53:09.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-360/15:34:07.0
4666	M1O	04-360/15:53:10.6		CALL, Engine = , Parameters =	unpark_hga	04-360/15:34:08.0
4667	M1O	04-360/15:53:10.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-360/15:34:08.0
4668	M1O	04-360/15:53:11.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-360/15:34:09.0
4669	M1O	04-360/15:55:20.0		NOTE: Enter Planetary Atmosphere 13448		04-360/15:36:17.4
4670	M1O	04-360/15:57:24.2		NOTE: Enter Earth Occultation 13448		04-360/15:38:21.6
4671	M1O	04-360/15:57:41.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-360/15:38:39.0
4672	M1O	04-360/15:57:42.5		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-360/15:38:40.0
4673	M1O	04-360/16:01:42.5		NOTE: EXIT HGA PARK		
4674	M1O	04-360/16:09:40.3		NOTE: Ascending Node Crossing 13448		04-360/15:50:37.7
4675	M1O	04-360/16:10:44.4		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-360/15:51:41.9
4676	M1O	04-360/16:10:44.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-360/15:51:42.0
4677	M1O	04-360/16:10:45.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-360/15:51:43.0
4678	M1O	04-360/16:10:46.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-360/15:51:44.0
4679	M1O	04-360/16:10:47.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-360/15:51:45.0
4680	M1O	04-360/16:10:48.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-360/15:51:46.0
4681	M1O	04-360/16:10:58.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-360/15:51:56.0
4682	M1O	04-360/16:11:08.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-360/15:52:06.0
4683	M1O	04-360/16:11:09.4		NOTE: Exit Earth Occultation 13448		04-360/15:52:06.9
4684	M1O	04-360/16:11:09.4	14	Acquisition Of X-Band Signal		
4685	M1O	04-360/16:11:09.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4686	M1O	04-360/16:13:10.2		NOTE: Exit Planetary Atmosphere 13448		04-360/15:54:07.7
4687	M1O	04-360/16:18:08.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-360/15:59:06.0
4688	M1O	04-360/16:18:09.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-360/15:59:07.0
4689	M1O	04-360/16:18:09.5	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4690	M1O	04-360/16:18:10.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-360/15:59:08.0
4691	M1O	04-360/16:39:35.8		NOTE: North Pole Crossing 13448		04-360/16:20:33.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4692	M1O	04-360/16:41:34.6		NOTE: Apoapsis 13448 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4733	M1O	04-360/19:52:33.3		NOTE: Enter Planetary Atmosphere 13450		04-360/19:33:31.2
4734	M1O	04-360/19:53:35.4		SPAWN, Engine = 65535, Parameters = 00:19:42.987	dpt	04-360/19:34:33.3
4735	M1O	04-360/19:53:37.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-360/19:34:35.4
4736	M1O	04-360/19:53:37.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4737	M1O	04-360/19:53:38.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-360/19:34:36.4
4738	M1O	04-360/19:54:37.4		NOTE: Enter Earth Occultation 13450		04-360/19:35:35.3
4739	M1O	04-360/19:54:37.4	43	NOTE: Loss Of X-Band Signal		
4740	M1O	04-360/20:06:51.0		NOTE: Ascending Node Crossing 13450		04-360/19:47:49.0
4741	M1O	04-360/20:08:20.3		NOTE: Exit Earth Occultation 13450		04-360/19:49:18.3
4742	M1O	04-360/20:08:20.3	43	Acquisition Of X-Band Signal		
4743	M1O	04-360/20:08:20.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4744	M1O	04-360/20:10:21.3		NOTE: Exit Planetary Atmosphere 13450		04-360/19:51:19.3
4745	M1O	04-360/20:13:20.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-360/19:54:18.4
4746	M1O	04-360/20:13:20.4	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4747	M1O	04-360/20:13:21.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-360/19:54:19.4
4748	M1O	04-360/20:36:46.0		NOTE: North Pole Crossing 13450		04-360/20:17:44.0
4749	M1O	04-360/20:39:25.2		NOTE: Apoapsis 13450 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET

4776	M1O	04-360/23:49:40.5		NOTE: Enter Planetary Atmosphere 13452		04-360/23:30:38.9
4777	M1O	04-360/23:50:41.4		SPAWN, Engine = 65535, Parameters = 00:20:27.292	dpt	04-360/23:31:39.9
4778	M1O	04-360/23:50:43.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-360/23:31:42.0
4779	M1O	04-360/23:50:43.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4780	M1O	04-360/23:50:44.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-360/23:31:43.0
4781	M1O	04-360/23:51:43.4		NOTE: Enter Earth Occultation 13452		04-360/23:32:41.9
4782	M1O	04-360/23:51:43.4	43	NOTE: Loss Of X-Band Signal		
4783	M1O	04-361/00:00:00.0		Light Time: OWLT = 19:01, RTLT = 38:03		
4784	M1O	04-361/00:04:00.0		NOTE: Ascending Node Crossing 13452		04-360/23:44:58.5
4785	M1O	04-361/00:05:38.3		NOTE: Exit Earth Occultation 13452		04-360/23:46:36.7
4786	M1O	04-361/00:05:38.3	43	Acquisition Of X-Band Signal		
4787	M1O	04-361/00:05:38.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4788	M1O	04-361/00:06:09.2	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4789	M1O	04-361/00:07:37.9		NOTE: Exit Planetary Atmosphere 13452		04-360/23:48:36.4
4790	M1O	04-361/00:11:10.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-360/23:52:09.3
4791	M1O	04-361/00:11:10.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4792	M1O	04-361/00:11:11.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-360/23:52:10.3
4793	M1O	04-361/00:33:54.7		NOTE: North Pole Crossing 13452		04-361/00:14:53.2
4794	M1O	04-361/00:36:42.7		NOTE: Apoapsis 13452 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4820	M1O	04-361/02:09:44.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-361/01:50:42.7
4821	M1O	04-361/02:32:25.3		NOTE: North Pole Crossing 13453		04-361/02:13:24.1
4822	M1O	04-361/02:34:56.1		NOTE: Apoapsis 13453 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4866	M1O	04-361/05:03:50.0	43	Range Modulation Off		
4867	M1O	04-361/05:08:50.0	43	X-Band Transmitter Off		
4868	M1O	04-361/05:16:58.3	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
4869	M1O	04-361/05:30:16.2		NOTE: South Pole Crossing 13455		04-361/05:11:15.4
4870	M1O	04-361/05:31:51.2		NOTE: Periapsis 13455 ----------		04-361/05:12:50.4
4871	M1O	04-361/05:43:41.0	43	NOTE: Below Uplink Interlock Limit		
4872	M1O	04-361/05:45:19.4		NOTE: Enter Planetary Atmosphere 13455		04-361/05:26:18.6
4873	M1O	04-361/05:45:50.4		SPAWN, Engine = 65535, Parameters = 00:20:21.161	dpt	04-361/05:26:49.6
4874	M1O	04-361/05:45:52.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-361/05:26:51.7
4875	M1O	04-361/05:45:52.5	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4876	M1O	04-361/05:45:53.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-361/05:26:52.7
4877	M1O	04-361/05:46:51.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4878	M1O	04-361/05:47:22.7		NOTE: Enter Earth Occultation 13455		04-361/05:28:21.9
4879	M1O	04-361/05:47:22.7	43	NOTE: Loss Of X-Band Signal		
4880	M1O	04-361/05:50:00.0	63	Begin Tracking		
4881	M1O	04-361/05:55:00.0	43	End Tracking		
4882	M1O	04-361/05:55:05.2		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	04-361/05:36:04.4
4883	M1O	04-361/05:59:34.3		NOTE: Ascending Node Crossing 13455		04-361/05:40:33.5
4884	M1O	04-361/06:01:12.7		NOTE: Exit Earth Occultation 13455		04-361/05:42:12.0
4885	M1O	04-361/06:01:12.7	63	Acquisition Of X-Band Signal		
4886	M1O	04-361/06:01:12.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4887	M1O	04-361/06:03:12.8		NOTE: Exit Planetary Atmosphere 13455		04-361/05:44:12.0
4888	M1O	04-361/06:05:04.0	63	NOTE: Above Uplink Interlock Limit		
4889	M1O	04-361/06:06:13.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-361/05:47:12.9
4890	M1O	04-361/06:06:13.6	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4891	M1O	04-361/06:06:14.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-361/05:47:13.9
4892	M1O	04-361/06:10:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4893	M1O	04-361/06:10:00.0	43	End Post-Cal		
4894	M1O	04-361/06:15:00.0	63	Range Modulation On: SUP=3.0dB		
4895	M1O	04-361/06:16:00.0	63	Begin Ranging Acquisition		
4896	M1O	04-361/06:29:29.8		NOTE: North Pole Crossing 13455		04-361/06:10:29.1
4897	M1O	04-361/06:32:05.4		NOTE: Apoapsis 13455 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4909	M1O	04-361/07:07:22.0	63	X-Band Transmitter Off		
4910	M1O	04-361/07:19:00.5		SPAWN, Engine = 65535, Parameters =	scdiag	04-361/07:00:00.0
4911	M1O	04-361/07:19:01.6		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-361/07:00:01.1
4912	M1O	04-361/07:19:02.6		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-361/07:00:02.1
4913	M1O	04-361/07:20:03.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-361/07:01:03.0
4914	M1O	04-361/07:20:03.7		NOTE: Start Block fsw_diag		04-361/07:01:03.2
4915	M1O	04-361/07:20:04.7		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-361/07:01:04.2
4916	M1O	04-361/07:20:05.7		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-361/07:01:05.2
4917	M1O	04-361/07:20:16.7		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-361/07:01:16.2
4918	M1O	04-361/07:20:46.7		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-361/07:01:46.2
4919	M1O	04-361/07:21:06.7		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-361/07:02:06.2
4920	M1O	04-361/07:21:16.7		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-361/07:02:16.2
4921	M1O	04-361/07:21:36.7		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-361/07:02:36.2
4922	M1O	04-361/07:21:46.7		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-361/07:02:46.2
4923	M1O	04-361/07:21:51.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-361/07:02:51.2
4924	M1O	04-361/07:21:56.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-361/07:02:56.2
4925	M1O	04-361/07:22:01.7		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-361/07:03:01.2
4926	M1O	04-361/07:22:06.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-361/07:03:06.2
4927	M1O	04-361/07:22:11.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-361/07:03:11.2
4928	M1O	04-361/07:22:19.0	63	TXR On: PWR=20.0, Band=X		
4929	M1O	04-361/07:22:51.7		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-361/07:03:51.2
4930	M1O	04-361/07:22:56.7		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-361/07:03:56.2
4931	M1O	04-361/07:23:01.7		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-361/07:04:01.2
4932	M1O	04-361/07:23:06.7		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-361/07:04:06.2
4933	M1O	04-361/07:23:11.7		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-361/07:04:11.2
4934	M1O	04-361/07:23:12.7		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-361/07:04:12.2
4935	M1O	04-361/07:23:13.7		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-361/07:04:13.2
4936	M1O	04-361/07:23:14.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-361/07:04:14.2
4937	M1O	04-361/07:23:25.7		NOTE: End Block fsw_diag.mod		04-361/07:04:25.2
4938	M1O	04-361/07:27:19.0	63	Range Modulation On: SUP=3.0dB		
4939	M1O	04-361/07:28:19.0	63	Begin Ranging Acquisition		
4940	M1O	04-361/07:28:51.5		NOTE: South Pole Crossing 13456		04-361/07:09:50.9
4941	M1O	04-361/07:30:31.2		NOTE: Periapsis 13456		04-361/07:11:30.6

4942	M1O	04-361/07:43:51.3		NOTE: Enter Planetary Atmosphere 13456		04-361/07:24:50.8
4943	M1O	04-361/07:44:21.4		SPAWN, Engine = 65535, Parameters = 00:20:57	dpt	04-361/07:25:20.8
4944	M1O	04-361/07:44:23.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-361/07:25:22.9
4945	M1O	04-361/07:44:23.5	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4946	M1O	04-361/07:44:24.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-361/07:25:23.9
4947	M1O	04-361/07:45:23.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4948	M1O	04-361/07:45:54.1		NOTE: Enter Earth Occultation 13456		04-361/07:26:53.6
4949	M1O	04-361/07:45:54.1	63	NOTE: Loss Of X-Band Signal		
4950	M1O	04-361/07:58:09.1		NOTE: Ascending Node Crossing 13456		04-361/07:39:08.6
4951	M1O	04-361/07:59:48.7		NOTE: Exit Earth Occultation 13456		04-361/07:40:48.2
4952	M1O	04-361/07:59:48.7	63	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4953	M1O	04-361/07:59:48.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4954	M1O	04-361/08:00:20.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4955	M1O	04-361/08:01:48.2		NOTE: Exit Planetary Atmosphere 13456		04-361/07:42:47.7
4956	M1O	04-361/08:05:20.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-361/07:46:19.9
4957	M1O	04-361/08:05:20.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4958	M1O	04-361/08:05:21.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-361/07:46:20.9
4959	M1O	04-361/08:28:05.3		NOTE: North Pole Crossing 13456		04-361/08:09:04.9
4960	M1O	04-361/08:30:31.9		NOTE: Apoapsis 13456 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET

4998	M1O	04-361/11:41:06.9		NOTE: Enter Planetary Atmosphere 13458		04-361/11:22:06.8
4999	M1O	04-361/11:41:37.8		SPAWN, Engine = 65535, Parameters = 00:20:55	dpt	04-361/11:22:37.8
5000	M1O	04-361/11:41:39.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-361/11:22:39.9
5001	M1O	04-361/11:41:39.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5002	M1O	04-361/11:41:40.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-361/11:22:40.9
5003	M1O	04-361/11:42:39.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5004	M1O	04-361/11:43:09.9		NOTE: Enter Earth Occultation 13458		04-361/11:24:09.9
5005	M1O	04-361/11:43:09.9	63	NOTE: Loss Of X-Band Signal		
5006	M1O	04-361/11:55:19.9		NOTE: Ascending Node Crossing 13458		04-361/11:36:19.9
5007	M1O	04-361/11:57:03.3		NOTE: Exit Earth Occultation 13458		04-361/11:38:03.3
5008	M1O	04-361/11:57:03.3	63	Acquisition Of X-Band Signal		
5009	M1O	04-361/11:57:03.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5010	M1O	04-361/11:57:34.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5011	M1O	04-361/11:59:03.1		NOTE: Exit Planetary Atmosphere 13458		04-361/11:40:03.1
5012	M1O	04-361/12:02:34.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-361/11:43:34.9
5013	M1O	04-361/12:02:34.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5014	M1O	04-361/12:02:35.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-361/11:43:35.9
5015	M1O	04-361/12:25:14.5		NOTE: North Pole Crossing 13458		04-361/12:06:14.6
5016	M1O	04-361/12:27:25.2		NOTE: Apoapsis 13458 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5042	M1O	04-361/13:40:15.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-361/13:21:16.1
5043	M1O	04-361/13:41:14.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5044	M1O	04-361/13:41:14.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5045	M1O	04-361/13:41:44.8		NOTE: Enter Earth Occultation 13459		04-361/13:22:45.1
5046	M1O	04-361/13:41:44.8	14	NOTE: Loss Of X-Band Signal		
5047	M1O	04-361/13:41:44.8	63	NOTE: Loss Of X-Band Signal		
5048	M1O	04-361/13:50:00.0	63	End Tracking		
5049	M1O	04-361/13:53:51.8		NOTE: Ascending Node Crossing 13459		04-361/13:34:52.1
5050	M1O	04-361/13:55:38.2		NOTE: Exit Earth Occultation 13459		04-361/13:36:38.4
5051	M1O	04-361/13:55:38.2	14	Acquisition Of X-Band Signal		
5052	M1O	04-361/13:55:38.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5053	M1O	04-361/13:57:38.0		NOTE: Exit Planetary Atmosphere 13459		04-361/13:38:38.3
5054	M1O	04-361/14:00:38.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-361/13:41:38.5
5055	M1O	04-361/14:00:38.3	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5056	M1O	04-361/14:00:39.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-361/13:41:39.5
5057	M1O	04-361/14:05:00.0	63	End Post-Cal		
5058	M1O	04-361/14:23:45.7		NOTE: North Pole Crossing 13459		04-361/14:04:46.0
5059	M1O	04-361/14:26:12.4		NOTE: Apoapsis 13459 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5082	M1O	04-361/14:47:46.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-361/14:28:47.1
5083	M1O	04-361/14:47:46.7		NOTE: START HGA PARK		
5084	M1O	04-361/14:47:46.7	14	NOTE: Loss Of X-Band Signal		
5085	M1O	04-361/14:47:47.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-361/14:28:48.1
5086	M1O	04-361/14:47:48.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-361/14:28:49.1
5087	M1O	04-361/14:52:18.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-361/14:33:19.1
5088	M1O	04-361/14:53:43.7		NOTE: Descending Node Crossing 13460		04-361/14:34:44.1
5089	M1O	04-361/14:55:48.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-361/14:36:49.1
5090	M1O	04-361/14:55:48.7		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-361/14:36:49.1
5091	M1O	04-361/15:23:04.2		NOTE: South Pole Crossing 13460		04-361/15:04:04.7
5092	M1O	04-361/15:24:34.1		NOTE: Periapsis 13460		04-361/15:05:34.6

5093	M1O	04-361/15:25:48.5		GV: GV_DESAT_ACTIVE = 1		04-361/15:06:49.0
5094	M1O	04-361/15:25:49.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-361/15:06:50.0
5095	M1O	04-361/15:25:49.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-361/15:06:50.0
5096	M1O	04-361/15:35:48.5		GV: GV_DESAT_ACTIVE = 0		04-361/15:16:49.0
5097	M1O	04-361/15:35:49.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-361/15:16:50.0
5098	M1O	04-361/15:35:50.5		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-361/15:16:51.0
5099	M1O	04-361/15:35:51.5		CALL, Engine = , Parameters =	unpark_hga	04-361/15:16:52.0
5100	M1O	04-361/15:35:51.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-361/15:16:52.0
5101	M1O	04-361/15:35:52.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-361/15:16:53.0
5102	M1O	04-361/15:38:10.2		NOTE: Enter Planetary Atmosphere 13460		04-361/15:19:10.7
5103	M1O	04-361/15:40:13.3		NOTE: Enter Earth Occultation 13460		04-361/15:21:13.8
5104	M1O	04-361/15:40:22.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-361/15:21:23.0
5105	M1O	04-361/15:40:23.5		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-361/15:21:24.0
5106	M1O	04-361/15:44:23.5		NOTE: EXIT HGA PARK		
5107	M1O	04-361/15:52:20.9		NOTE: Ascending Node Crossing 13460		04-361/15:33:21.5
5108	M1O	04-361/15:53:42.4		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-361/15:34:42.9
5109	M1O	04-361/15:53:42.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-361/15:34:43.0
5110	M1O	04-361/15:53:43.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-361/15:34:44.0
5111	M1O	04-361/15:53:44.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-361/15:34:45.0
5112	M1O	04-361/15:53:45.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-361/15:34:46.0
5113	M1O	04-361/15:53:46.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-361/15:34:47.0
5114	M1O	04-361/15:53:56.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-361/15:34:57.0
5115	M1O	04-361/15:54:06.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-361/15:35:07.0
5116	M1O	04-361/15:54:07.4		NOTE: Exit Earth Occultation 13460		04-361/15:35:07.9
5117	M1O	04-361/15:54:07.4	14	Acquisition Of X-Band Signal		
5118	M1O	04-361/15:54:07.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5119	M1O	04-361/15:56:07.1		NOTE: Exit Planetary Atmosphere 13460		04-361/15:37:07.6
5120	M1O	04-361/16:01:06.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-361/15:42:07.0
5121	M1O	04-361/16:01:07.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-361/15:42:08.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5122	M1O	04-361/16:01:07.5	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5123	M1O	04-361/16:01:08.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-361/15:42:09.0
5124	M1O	04-361/16:22:15.8		NOTE: North Pole Crossing 13460		04-361/16:03:16.4
5125	M1O	04-361/16:24:24.6		NOTE: Apoapsis 13460 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5165	M1O	04-361/18:43:54.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
5166	M1O	04-361/18:50:47.8		NOTE: Descending Node Crossing 13462		04-361/18:31:48.7
5167	M1O	04-361/18:53:54.0	14	Range Modulation Off		
5168	M1O	04-361/18:58:54.0	14	X-Band Transmitter Off		
5169	M1O	04-361/19:13:45.0	14	TXR On: PWR=20.0, Band=X		
5170	M1O	04-361/19:18:45.0	14	Range Modulation On: SUP=3.0dB		
5171	M1O	04-361/19:19:45.0	14	Begin Ranging Acquisition		
5172	M1O	04-361/19:20:09.7		NOTE: South Pole Crossing 13462		04-361/19:01:10.7
5173	M1O	04-361/19:21:30.1		NOTE: Periapsis 13462		04-361/19:02:31.1

5174	M1O	04-361/19:35:00.0	43	Begin Pre-Cal		
5175	M1O	04-361/19:35:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5176	M1O	04-361/19:35:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5177	M1O	04-361/19:35:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5178	M1O	04-361/19:35:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5179	M1O	04-361/19:35:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
5180	M1O	04-361/19:35:00.0	43	Config: RCV: Parms:		
5181	M1O	04-361/19:35:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
5182	M1O	04-361/19:35:00.0	43	Config: TGC: BAND=X, SR=238896.000000		
5183	M1O	04-361/19:35:00.0	43	Config: TXL		
5184	M1O	04-361/19:35:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
5185	M1O	04-361/19:35:00.0	43	Config: CMD		
5186	M1O	04-361/19:35:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
5187	M1O	04-361/19:35:19.4		NOTE: Enter Planetary Atmosphere 13462		04-361/19:16:20.5
5188	M1O	04-361/19:35:50.2		SPAWN, Engine = 65535, Parameters = 00:20:51	dpt	04-361/19:16:51.2
5189	M1O	04-361/19:35:52.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-361/19:16:53.3
5190	M1O	04-361/19:35:52.3	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5191	M1O	04-361/19:35:53.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-361/19:16:54.3
5192	M1O	04-361/19:36:52.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5193	M1O	04-361/19:37:22.8		NOTE: Enter Earth Occultation 13462		04-361/19:18:23.9
5194	M1O	04-361/19:37:22.8	14	NOTE: Loss Of X-Band Signal		
5195	M1O	04-361/19:49:28.2		NOTE: Ascending Node Crossing 13462		04-361/19:30:29.2
5196	M1O	04-361/19:51:11.7		NOTE: Exit Earth Occultation 13462		04-361/19:32:12.8
5197	M1O	04-361/19:51:11.7	14	Acquisition Of X-Band Signal		
5198	M1O	04-361/19:51:11.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5199	M1O	04-361/19:51:43.0	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5200	M1O	04-361/19:53:11.9		NOTE: Exit Planetary Atmosphere 13462		04-361/19:34:12.9
5201	M1O	04-361/19:56:43.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-361/19:37:44.3
5202	M1O	04-361/19:56:43.3	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5203	M1O	04-361/19:56:44.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-361/19:37:45.3
5204	M1O	04-361/20:19:23.6		NOTE: North Pole Crossing 13462		04-361/20:00:24.7
5205	M1O	04-361/20:21:37.8		NOTE: Apoapsis 13462 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5213	M1O	04-361/21:20:00.0	43	Acquire D/L: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5214	M1O	04-361/21:20:34.2		NOTE: Periapsis 13463 ----------		04-361/21:01:35.5
5215	M1O	04-361/21:21:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5216	M1O	04-361/21:22:15.0	14	NOTE: Below Uplink Interlock Limit		
5217	M1O	04-361/21:26:00.0	43	Range Modulation On: SUP=3.0dB		
5218	M1O	04-361/21:27:00.0	43	Begin Ranging Acquisition		
5219	M1O	04-361/21:33:55.6		NOTE: Enter Planetary Atmosphere 13463		04-361/21:14:56.8
5220	M1O	04-361/21:34:26.0		SPAWN, Engine = 65535, Parameters = 00:29:30	dpt	04-361/21:15:27.2
5221	M1O	04-361/21:34:28.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-361/21:15:29.3
5222	M1O	04-361/21:34:28.1	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5223	M1O	04-361/21:34:28.1	43	D/L Change: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5224	M1O	04-361/21:34:29.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-361/21:15:30.3
5225	M1O	04-361/21:35:27.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5226	M1O	04-361/21:35:27.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5227	M1O	04-361/21:35:58.4		NOTE: Enter Earth Occultation 13463		04-361/21:16:59.7
5228	M1O	04-361/21:35:58.4	14	NOTE: Loss Of X-Band Signal		
5229	M1O	04-361/21:35:58.4	43	NOTE: Loss Of X-Band Signal		
5230	M1O	04-361/21:40:00.0	14	End Tracking		
5231	M1O	04-361/21:48:04.2		NOTE: Ascending Node Crossing 13463		04-361/21:29:05.5
5232	M1O	04-361/21:49:51.3		NOTE: Exit Earth Occultation 13463		04-361/21:30:52.6
5233	M1O	04-361/21:49:51.3	43	Acquisition Of X-Band Signal		
5234	M1O	04-361/21:49:51.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5235	M1O	04-361/21:51:51.0		NOTE: Exit Planetary Atmosphere 13463		04-361/21:32:52.3
5236	M1O	04-361/21:55:00.0	14	End Post-Cal		
5237	M1O	04-361/21:58:57.4	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5238	M1O	04-361/22:03:58.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-361/21:44:59.3
5239	M1O	04-361/22:03:58.0	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5240	M1O	04-361/22:03:59.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-361/21:45:00.3
5241	M1O	04-361/22:17:59.2		NOTE: North Pole Crossing 13463		04-361/21:59:00.6
5242	M1O	04-361/22:20:45.2		NOTE: Apoapsis 13463 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
5257	M1O	04-361/23:34:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5258	M1O	04-361/23:34:30.9		NOTE: Enter Earth Occultation 13464		04-361/23:15:32.5
5259	M1O	04-361/23:34:30.9	43	NOTE: Loss Of X-Band Signal		
5260	M1O	04-361/23:46:38.6		NOTE: Ascending Node Crossing 13464		04-361/23:27:40.1
5261	M1O	04-361/23:48:30.1		NOTE: Exit Earth Occultation 13464		04-361/23:29:31.6
5262	M1O	04-361/23:48:30.1	43	Acquisition Of X-Band Signal		
5263	M1O	04-361/23:48:30.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5264	M1O	04-361/23:49:01.0	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5265	M1O	04-361/23:50:29.1		NOTE: Exit Planetary Atmosphere 13464		04-361/23:31:30.7
5266	M1O	04-361/23:54:01.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-361/23:35:03.3
5267	M1O	04-361/23:54:01.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5268	M1O	04-361/23:54:02.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-361/23:35:04.3
5269	M1O	04-362/00:00:00.0		Light Time: OWLT = 18:58, RTLT = 37:56		
5270	M1O	04-362/00:16:33.5		NOTE: North Pole Crossing 13464		04-361/23:57:35.2
5271	M1O	04-362/00:19:21.2		NOTE: Apoapsis 13464 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5299	M1O	04-362/01:52:05.4	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5300	M1O	04-362/01:52:06.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-362/01:33:08.2
5301	M1O	04-362/02:15:05.2		NOTE: North Pole Crossing 13465		04-362/01:56:07.1
5302	M1O	04-362/02:17:33.3		NOTE: Apoapsis 13465 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5343	M1O	04-362/05:29:10.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-362/05:10:12.9
5344	M1O	04-362/05:30:09.5		NOTE: Enter Earth Occultation 13467		04-362/05:11:11.8
5345	M1O	04-362/05:30:09.5	43	NOTE: Loss Of X-Band Signal		
5346	M1O	04-362/05:42:12.4		NOTE: Ascending Node Crossing 13467		04-362/05:23:14.7
5347	M1O	04-362/05:43:02.0	43	NOTE: Below Uplink Interlock Limit		
5348	M1O	04-362/05:44:06.3		NOTE: Exit Earth Occultation 13467		04-362/05:25:08.6
5349	M1O	04-362/05:44:06.3	43	Acquisition Of X-Band Signal		
5350	M1O	04-362/05:44:06.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5351	M1O	04-362/05:46:05.5		NOTE: Exit Planetary Atmosphere 13467		04-362/05:27:07.8
5352	M1O	04-362/05:49:06.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-362/05:30:08.7
5353	M1O	04-362/05:49:06.4	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5354	M1O	04-362/05:49:07.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-362/05:30:09.7
5355	M1O	04-362/05:50:00.0	63	Begin Tracking		
5356	M1O	04-362/05:50:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5357	M1O	04-362/05:55:00.0	43	End Tracking		
5358	M1O	04-362/06:04:45.0	63	NOTE: Above Uplink Interlock Limit		
5359	M1O	04-362/06:05:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5360	M1O	04-362/06:10:00.0	43	End Post-Cal		
5361	M1O	04-362/06:10:00.0	63	Range Modulation On: SUP=3.0dB		
5362	M1O	04-362/06:11:00.0	63	Begin Ranging Acquisition		
5363	M1O	04-362/06:12:07.7		NOTE: North Pole Crossing 13467		04-362/05:53:10.1
5364	M1O	04-362/06:14:39.5		NOTE: Apoapsis 13467 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]		
5386	M1O	04-362/07:20:13.6		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	04-362/07:01:16.2
5387	M1O	04-362/07:20:43.6		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-362/07:01:46.2
5388	M1O	04-362/07:21:03.6		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-362/07:02:06.2
5389	M1O	04-362/07:21:13.6		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-362/07:02:16.2
5390	M1O	04-362/07:21:33.6		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-362/07:02:36.2
5391	M1O	04-362/07:21:43.6		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-362/07:02:46.2
5392	M1O	04-362/07:21:48.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-362/07:02:51.2
5393	M1O	04-362/07:21:53.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-362/07:02:56.2
5394	M1O	04-362/07:21:58.6		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-362/07:03:01.2
5395	M1O	04-362/07:22:03.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-362/07:03:06.2
5396	M1O	04-362/07:22:08.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-362/07:03:11.2
5397	M1O	04-362/07:22:48.6		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-362/07:03:51.2
5398	M1O	04-362/07:22:53.6		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-362/07:03:56.2
5399	M1O	04-362/07:22:58.6		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-362/07:04:01.2
5400	M1O	04-362/07:23:03.6		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-362/07:04:06.2
5401	M1O	04-362/07:23:08.6		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-362/07:04:11.2
5402	M1O	04-362/07:23:09.6		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-362/07:04:12.2
5403	M1O	04-362/07:23:10.6		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-362/07:04:13.2
5404	M1O	04-362/07:23:11.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-362/07:04:14.2
5405	M1O	04-362/07:23:22.6		NOTE: End Block fsw_diag.mod		04-362/07:04:25.2
5406	M1O	04-362/07:26:37.9		NOTE: Enter Planetary Atmosphere 13468		04-362/07:07:40.5
5407	M1O	04-362/07:27:07.1		SPAWN, Engine = 65535, Parameters = 00:20:31.587	dpt	04-362/07:08:09.7
5408	M1O	04-362/07:27:09.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-362/07:08:11.8
5409	M1O	04-362/07:27:09.2	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5410	M1O	04-362/07:27:10.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-362/07:08:12.8
5411	M1O	04-362/07:28:08.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5412	M1O	04-362/07:28:39.9		NOTE: Enter Earth Occultation 13468		04-362/07:09:42.5
5413	M1O	04-362/07:28:39.9	63	NOTE: Loss Of X-Band Signal		
5414	M1O	04-362/07:40:46.3		NOTE: Ascending Node Crossing 13468		04-362/07:21:48.9
5415	M1O	04-362/07:42:40.7		NOTE: Exit Earth Occultation 13468		04-362/07:23:43.3
5416	M1O	04-362/07:42:40.7	63	Acquisition Of X-Band Signal		
5417	M1O	04-362/07:42:40.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5418	M1O	04-362/07:44:39.3		NOTE: Exit Planetary Atmosphere 13468		04-362/07:25:41.9
5419	M1O	04-362/07:47:40.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-362/07:28:43.4
5420	M1O	04-362/07:47:40.7	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5421	M1O	04-362/07:47:41.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-362/07:28:44.4
5422	M1O	04-362/08:10:42.8		NOTE: North Pole Crossing 13468		04-362/07:51:45.4
5423	M1O	04-362/08:13:08.2		NOTE: Apoapsis 13468 -		04-362/07:54:10.8
5424	M1O	04-362/08:40:43.5		NOTE: Descending Node Crossing 13469		04-362/08:21:46.2
5425	M1O	04-362/09:10:04.8		NOTE: South Pole Crossing 13469		04-362/08:51:07.6
5426	M1O	04-362/09:11:40.2		NOTE: Periapsis 13469 ----------		04-362/08:52:43.0
5427	M1O	04-362/09:25:12.3		NOTE: Enter Planetary Atmosphere 13469		04-362/09:06:15.1
5428	M1O	04-362/09:26:11.9		SPAWN, Engine = 65535, Parameters = 00:20:03.856	dpt	04-362/09:07:14.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5429	M1O	04-362/09:26:14.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-362/09:07:16.9
5430	M1O	04-362/09:26:14.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5431	M1O	04-362/09:26:15.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-362/09:07:17.9
5432	M1O	04-362/09:27:13.9		NOTE: Enter Earth Occultation 13469		04-362/09:08:16.8
5433	M1O	04-362/09:27:13.9	63	NOTE: Loss Of X-Band Signal		
5434	M1O	04-362/09:39:22.0		NOTE: Ascending Node Crossing 13469		04-362/09:20:24.8
5435	M1O	04-362/09:41:17.8		NOTE: Exit Earth Occultation 13469		04-362/09:22:20.6
5436	M1O	04-362/09:41:17.8	63	Acquisition Of X-Band Signal		
5437	M1O	04-362/09:41:17.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5438	M1O	04-362/09:43:16.0		NOTE: Exit Planetary Atmosphere 13469		04-362/09:24:18.9
5439	M1O	04-362/09:46:17.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-362/09:27:20.7
5440	M1O	04-362/09:46:17.8	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5441	M1O	04-362/09:46:18.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-362/09:27:21.7
5442	M1O	04-362/10:09:18.5		NOTE: North Pole Crossing 13469		04-362/09:50:21.4
5443	M1O	04-362/10:11:31.4		NOTE: Apoapsis 13469 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5474	M1O	04-362/11:44:56.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-362/11:25:59.6
5475	M1O	04-362/12:07:53.4		NOTE: North Pole Crossing 13470		04-362/11:48:56.6
5476	M1O	04-362/12:09:55.5		NOTE: Apoapsis 13470 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5517	M1O	04-362/13:50:00.0	63	End Tracking		
5518	M1O	04-362/14:02:59.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-362/13:44:03.3
5519	M1O	04-362/14:02:59.8	25	D/L Change: X/08, 1-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5520	M1O	04-362/14:03:00.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-362/13:44:04.3
5521	M1O	04-362/14:05:00.0	63	End Post-Cal		
5522	M1O	04-362/14:06:25.8		NOTE: North Pole Crossing 13471		04-362/13:47:29.3
5523	M1O	04-362/14:08:40.2		NOTE: Apoapsis 13471 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5555	M1O	04-362/14:59:42.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5556	M1O	04-362/15:04:42.0	25	Range Modulation On: SUP=3.0dB		
5557	M1O	04-362/15:05:42.0	25	Begin Ranging Acquisition		
5558	M1O	04-362/15:05:44.9		NOTE: South Pole Crossing 13472		04-362/14:46:48.5
5559	M1O	04-362/15:07:19.3		NOTE: Periapsis 13472		04-362/14:48:22.9

5560	M1O	04-362/15:08:28.4		GV: GV_DESAT_ACTIVE = 1		04-362/14:49:32.0
5561	M1O	04-362/15:08:29.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-362/14:49:33.0
5562	M1O	04-362/15:08:29.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-362/14:49:33.0
5563	M1O	04-362/15:18:28.4		GV: GV_DESAT_ACTIVE = 0		04-362/14:59:32.0
5564	M1O	04-362/15:18:29.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-362/14:59:33.0
5565	M1O	04-362/15:18:30.4		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-362/14:59:34.0
5566	M1O	04-362/15:18:31.4		CALL, Engine = , Parameters =	unpark_hga	04-362/14:59:35.0
5567	M1O	04-362/15:18:31.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-362/14:59:35.0
5568	M1O	04-362/15:18:32.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-362/14:59:36.0
5569	M1O	04-362/15:20:59.6		NOTE: Enter Planetary Atmosphere 13472		04-362/15:02:03.2
5570	M1O	04-362/15:23:01.6		NOTE: Enter Earth Occultation 13472		04-362/15:04:05.2
5571	M1O	04-362/15:23:02.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-362/15:04:06.0
5572	M1O	04-362/15:23:03.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-362/15:04:07.0
5573	M1O	04-362/15:27:03.3		NOTE: EXIT HGA PARK		
5574	M1O	04-362/15:35:01.5		NOTE: Ascending Node Crossing 13472		04-362/15:16:05.2
5575	M1O	04-362/15:36:39.2		SPAWN, Engine = 65535, Parameters = 00:07:31.023	cstr	04-362/15:17:42.9
5576	M1O	04-362/15:36:39.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-362/15:17:43.0
5577	M1O	04-362/15:36:40.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-362/15:17:44.0
5578	M1O	04-362/15:36:41.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-362/15:17:45.0
5579	M1O	04-362/15:36:42.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-362/15:17:46.0
5580	M1O	04-362/15:36:43.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-362/15:17:47.0
5581	M1O	04-362/15:36:53.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-362/15:17:57.0
5582	M1O	04-362/15:37:03.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-362/15:18:07.0
5583	M1O	04-362/15:37:04.2		NOTE: Exit Earth Occultation 13472		04-362/15:18:07.9
5584	M1O	04-362/15:37:04.2	25	Acquisition Of X-Band Signal		
5585	M1O	04-362/15:37:04.2	25	Acquire D/L: X/08, 1-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5586	M1O	04-362/15:37:34.8	25	Acquire D/L: X/08, 2-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5587	M1O	04-362/15:39:02.9		NOTE: Exit Planetary Atmosphere 13472		04-362/15:20:06.5
5588	M1O	04-362/15:44:34.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-362/15:25:38.0
5589	M1O	04-362/15:44:35.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-362/15:25:39.0
5590	M1O	04-362/15:44:35.3	25	D/L Change: X/08, 2-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5591	M1O	04-362/15:44:36.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-362/15:25:40.0
5592	M1O	04-362/16:04:56.1		NOTE: North Pole Crossing 13472		04-362/15:45:59.8
5593	M1O	04-362/16:07:11.4		NOTE: Apoapsis 13472 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5597	M1O	04-362/16:43:08.0	25	X-Band Transmitter Off		
5598	M1O	04-362/16:58:10.0	25	TXR On: PWR=20.0, Band=X		
5599	M1O	04-362/17:03:10.0	25	Range Modulation On: SUP=3.0dB		
5600	M1O	04-362/17:04:10.0	25	Begin Ranging Acquisition		
5601	M1O	04-362/17:04:14.7		NOTE: South Pole Crossing 13473		04-362/16:45:18.6
5602	M1O	04-362/17:05:29.9		NOTE: Periapsis 13473		04-362/16:46:33.7

5603	M1O	04-362/17:19:28.9		NOTE: Enter Planetary Atmosphere 13473		04-362/17:00:32.7
5604	M1O	04-362/17:19:59.0		SPAWN, Engine = 65535, Parameters = 00:21:02	dpt	04-362/17:01:02.9
5605	M1O	04-362/17:20:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-362/17:01:05.0
5606	M1O	04-362/17:20:01.1	25	D/L Change: X/08, 2-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5607	M1O	04-362/17:20:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-362/17:01:06.0
5608	M1O	04-362/17:21:00.3	25	Acquire D/L: X/08, 1-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5609	M1O	04-362/17:21:31.0		NOTE: Enter Earth Occultation 13473		04-362/17:02:34.9
5610	M1O	04-362/17:21:31.0	25	NOTE: Loss Of X-Band Signal		
5611	M1O	04-362/17:33:31.5		NOTE: Ascending Node Crossing 13473		04-362/17:14:35.3
5612	M1O	04-362/17:35:31.9		NOTE: Exit Earth Occultation 13473		04-362/17:16:35.8
5613	M1O	04-362/17:35:31.9	25	Acquisition Of X-Band Signal		
5614	M1O	04-362/17:35:31.9	25	Acquire D/L: X/08, 1-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5615	M1O	04-362/17:36:02.3	25	Acquire D/L: X/08, 2-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5616	M1O	04-362/17:37:30.6		NOTE: Exit Planetary Atmosphere 13473		04-362/17:18:34.5
5617	M1O	04-362/17:41:03.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-362/17:22:07.0
5618	M1O	04-362/17:41:03.1	25	D/L Change: X/08, 2-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5619	M1O	04-362/17:41:04.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-362/17:22:08.0
5620	M1O	04-362/18:03:27.4		NOTE: North Pole Crossing 13473		04-362/17:44:31.3
5621	M1O	04-362/18:05:20.4		NOTE: Apoapsis 13473 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
5644	M1O	04-362/19:18:37.1	25	D/L Change: X/08, 2-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5645	M1O	04-362/19:18:38.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-362/18:59:42.2
5646	M1O	04-362/19:19:36.8	25	Acquire D/L: X/08, 1-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5647	M1O	04-362/19:20:07.4		NOTE: Enter Earth Occultation 13474		04-362/19:01:11.5
5648	M1O	04-362/19:20:07.4	25	NOTE: Loss Of X-Band Signal		
5649	M1O	04-362/19:32:05.9		NOTE: Ascending Node Crossing 13474		04-362/19:13:10.1
5650	M1O	04-362/19:34:04.6		NOTE: Exit Earth Occultation 13474		04-362/19:15:08.7
5651	M1O	04-362/19:34:04.6	25	Acquisition Of X-Band Signal		
5652	M1O	04-362/19:34:04.6	25	Acquire D/L: X/08, 1-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5653	M1O	04-362/19:34:35.8	25	Acquire D/L: X/08, 2-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5654	M1O	04-362/19:36:03.6		NOTE: Exit Planetary Atmosphere 13474		04-362/19:17:07.8
5655	M1O	04-362/19:39:36.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-362/19:20:40.2
5656	M1O	04-362/19:39:36.0	25	D/L Change: X/08, 2-Way, BW=3, BR=3950.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5657	M1O	04-362/19:39:37.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-362/19:20:41.2
5658	M1O	04-362/20:02:01.9		NOTE: North Pole Crossing 13474		04-362/19:43:06.1
5659	M1O	04-362/20:04:02.1		NOTE: Apoapsis 13474 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5686	M1O	04-362/21:18:44.2	45	NOTE: Loss Of X-Band Signal		
5687	M1O	04-362/21:30:42.3		NOTE: Ascending Node Crossing 13475		04-362/21:11:46.7
5688	M1O	04-362/21:32:43.3		NOTE: Exit Earth Occultation 13475		04-362/21:13:47.7
5689	M1O	04-362/21:32:43.3	25	Acquisition Of X-Band Signal		
5690	M1O	04-362/21:32:43.3	25	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5691	M1O	04-362/21:32:43.3	45	Acquisition Of X-Band Signal		
5692	M1O	04-362/21:32:43.3	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5693	M1O	04-362/21:34:42.1		NOTE: Exit Planetary Atmosphere 13475		04-362/21:15:46.5
5694	M1O	04-362/21:35:00.0	25	End Tracking		
5695	M1O	04-362/21:37:43.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-362/21:18:47.8
5696	M1O	04-362/21:37:43.4	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5697	M1O	04-362/21:37:44.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-362/21:18:48.8
5698	M1O	04-362/21:50:00.0	25	End Post-Cal		
5699	M1O	04-362/22:00:37.6		NOTE: North Pole Crossing 13475		04-362/21:41:42.1
5700	M1O	04-362/22:03:11.9		NOTE: Apoapsis 13475 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5729	M1O	04-363/01:14:51.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-363/00:55:56.0
5730	M1O	04-363/01:15:50.0		NOTE: Enter Earth Occultation 13477		04-363/00:56:54.9
5731	M1O	04-363/01:15:50.0	45	NOTE: Loss Of X-Band Signal		
5732	M1O	04-363/01:27:51.0		NOTE: Ascending Node Crossing 13477		04-363/01:08:55.9
5733	M1O	04-363/01:30:00.8		NOTE: Exit Earth Occultation 13477		04-363/01:11:05.7
5734	M1O	04-363/01:30:00.8	45	Acquisition Of X-Band Signal		
5735	M1O	04-363/01:30:00.8	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5736	M1O	04-363/01:31:58.4		NOTE: Exit Planetary Atmosphere 13477		04-363/01:13:03.3
5737	M1O	04-363/01:35:00.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-363/01:16:05.8
5738	M1O	04-363/01:35:00.8	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5739	M1O	04-363/01:35:01.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-363/01:16:06.8
5740	M1O	04-363/01:57:46.1		NOTE: North Pole Crossing 13477		04-363/01:38:51.1
5741	M1O	04-363/02:00:26.3		NOTE: Apoapsis 13477 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5772	M1O	04-363/05:00:00.0	63	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
5773	M1O	04-363/05:00:00.0	63	Config: TGC: BAND=X, SR=238896.000000		
5774	M1O	04-363/05:00:00.0	63	Config: TXL		
5775	M1O	04-363/05:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
5776	M1O	04-363/05:00:00.0	63	Config: CMD		
5777	M1O	04-363/05:10:55.5		NOTE: Enter Planetary Atmosphere 13479		04-363/04:52:00.9
5778	M1O	04-363/05:11:54.9		SPAWN, Engine = 65535, Parameters = 00:20:06.631	dpt	04-363/04:53:00.3
5779	M1O	04-363/05:11:57.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-363/04:53:02.4
5780	M1O	04-363/05:11:57.0	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5781	M1O	04-363/05:11:58.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-363/04:53:03.4
5782	M1O	04-363/05:12:56.9		NOTE: Enter Earth Occultation 13479		04-363/04:54:02.3
5783	M1O	04-363/05:12:56.9	45	NOTE: Loss Of X-Band Signal		
5784	M1O	04-363/05:24:52.7		NOTE: Ascending Node Crossing 13479		04-363/05:05:58.1
5785	M1O	04-363/05:27:03.5		NOTE: Exit Earth Occultation 13479		04-363/05:08:08.9
5786	M1O	04-363/05:27:03.5	45	Acquisition Of X-Band Signal		
5787	M1O	04-363/05:27:03.5	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5788	M1O	04-363/05:29:01.5		NOTE: Exit Planetary Atmosphere 13479		04-363/05:10:06.9
5789	M1O	04-363/05:32:03.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-363/05:13:09.0
5790	M1O	04-363/05:32:03.5	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5791	M1O	04-363/05:32:04.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-363/05:13:10.0
5792	M1O	04-363/05:40:50.0	45	NOTE: Below Uplink Interlock Limit		
5793	M1O	04-363/05:43:49.5		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	04-363/05:24:55.0
5794	M1O	04-363/05:44:05.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-361T05:24:55.200, 2004-363T05:24:55.200	PCKTS_RE_TX_TIME	04-363/05:25:10.8
5795	M1O	04-363/05:44:06.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-361T05:24:55.200, 2004-363T05:24:55.200	PCKTS_RE_TX_TIME	04-363/05:25:11.8
5796	M1O	04-363/05:44:07.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-361T05:24:55.200, 2004-363T05:24:55.200	PCKTS_RE_TX_TIME	04-363/05:25:12.8
5797	M1O	04-363/05:44:08.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-361T05:24:55.200, 2004-363T05:24:55.200	PCKTS_RE_TX_TIME	04-363/05:25:13.8
5798	M1O	04-363/05:44:09.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-361T05:24:55.200, 2004-363T05:24:55.200	PCKTS_RE_TX_TIME	04-363/05:25:14.8
5799	M1O	04-363/05:44:10.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-361T05:24:55.200, 2004-363T05:24:55.200	PCKTS_RE_TX_TIME	04-363/05:25:15.8
5800	M1O	04-363/05:44:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-363/05:25:15.8
5801	M1O	04-363/05:44:10.3	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5802	M1O	04-363/05:54:11.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-363/05:35:16.8
5803	M1O	04-363/05:54:11.2	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5804	M1O	04-363/05:54:12.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-363/05:35:17.8
5805	M1O	04-363/05:54:28.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-363/05:35:33.8
5806	M1O	04-363/05:54:28.2	45	D/L RF Warning: SC antenna change - expect signal level variation		
5807	M1O	04-363/05:54:29.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-363/05:35:34.8
5808	M1O	04-363/05:54:47.3		NOTE: North Pole Crossing 13479		04-363/05:35:52.8
5809	M1O	04-363/05:55:00.0	45	End Tracking		
5810	M1O	04-363/05:57:16.2		NOTE: Apoapsis 13479 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5812	M1O	04-363/06:24:46.1		NOTE: Descending Node Crossing 13480		04-363/06:05:51.6
5813	M1O	04-363/06:44:34.9		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-363/06:25:40.5
5814	M1O	04-363/06:44:35.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-363/06:25:40.6
5815	M1O	04-363/06:44:36.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-363/06:25:41.6
5816	M1O	04-363/06:44:37.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-363/06:25:42.6
5817	M1O	04-363/06:44:38.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-363/06:25:43.6
5818	M1O	04-363/06:44:39.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-363/06:25:44.6
5819	M1O	04-363/06:44:49.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-363/06:25:54.6
5820	M1O	04-363/06:44:59.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-363/06:26:04.6
5821	M1O	04-363/06:44:59.9		NOTE: Changing to 70M downlink rate: 39816_BPS		04-363/06:26:05.5
5822	M1O	04-363/06:44:59.9		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	04-363/06:26:05.5
5823	M1O	04-363/06:45:00.0	63	Begin Tracking		
5824	M1O	04-363/06:45:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5825	M1O	04-363/06:48:18.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5826	M1O	04-363/06:51:59.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-363/06:33:04.6
5827	M1O	04-363/06:52:00.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-363/06:33:05.6
5828	M1O	04-363/06:52:00.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5829	M1O	04-363/06:52:01.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-363/06:33:06.6
5830	M1O	04-363/06:54:07.4		NOTE: South Pole Crossing 13480		04-363/06:35:13.1
5831	M1O	04-363/06:55:37.9		NOTE: Periapsis 13480		04-363/06:36:43.6

5832	M1O	04-363/07:09:27.8		NOTE: Enter Planetary Atmosphere 13480		04-363/06:50:33.5
5833	M1O	04-363/07:10:27.0		SPAWN, Engine = 65535, Parameters = 00:20:37.776	dpt	04-363/06:51:32.7
5834	M1O	04-363/07:10:29.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-363/06:51:34.8
5835	M1O	04-363/07:10:29.1	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5836	M1O	04-363/07:10:30.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-363/06:51:35.8
5837	M1O	04-363/07:11:29.0		NOTE: Enter Earth Occultation 13480		04-363/06:52:34.7
5838	M1O	04-363/07:11:29.0	63	NOTE: Loss Of X-Band Signal		
5839	M1O	04-363/07:18:54.2		SPAWN, Engine = 65535, Parameters =	scdiag	04-363/07:00:00.0
5840	M1O	04-363/07:18:55.3		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-363/07:00:01.1
5841	M1O	04-363/07:18:56.3		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-363/07:00:02.1
5842	M1O	04-363/07:19:57.2		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-363/07:01:03.0
5843	M1O	04-363/07:19:57.4		NOTE: Start Block fsw_diag		04-363/07:01:03.2
5844	M1O	04-363/07:19:58.4		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-363/07:01:04.2
5845	M1O	04-363/07:19:59.4		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	04-363/07:01:05.2
5846	M1O	04-363/07:20:10.4		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	04-363/07:01:16.2
5847	M1O	04-363/07:20:40.4		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-363/07:01:46.2
5848	M1O	04-363/07:21:00.4		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-363/07:02:06.2
5849	M1O	04-363/07:21:10.4		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-363/07:02:16.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5850	M1O	04-363/07:21:30.4		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-363/07:02:36.2
5851	M1O	04-363/07:21:40.4		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-363/07:02:46.2
5852	M1O	04-363/07:21:45.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-363/07:02:51.2
5853	M1O	04-363/07:21:50.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-363/07:02:56.2
5854	M1O	04-363/07:21:55.4		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-363/07:03:01.2
5855	M1O	04-363/07:22:00.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-363/07:03:06.2
5856	M1O	04-363/07:22:05.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-363/07:03:11.2
5857	M1O	04-363/07:22:45.4		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-363/07:03:51.2
5858	M1O	04-363/07:22:50.4		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-363/07:03:56.2
5859	M1O	04-363/07:22:55.4		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-363/07:04:01.2
5860	M1O	04-363/07:23:00.4		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-363/07:04:06.2
5861	M1O	04-363/07:23:05.4		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-363/07:04:11.2
5862	M1O	04-363/07:23:06.4		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-363/07:04:12.2
5863	M1O	04-363/07:23:07.4		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-363/07:04:13.2
5864	M1O	04-363/07:23:08.4		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-363/07:04:14.2
5865	M1O	04-363/07:23:19.4		NOTE: End Block fsw_diag.mod		04-363/07:04:25.2
5866	M1O	04-363/07:23:25.2		NOTE: Ascending Node Crossing 13480		04-363/07:04:30.9
5867	M1O	04-363/07:25:35.1		NOTE: Exit Earth Occultation 13480		04-363/07:06:40.8
5868	M1O	04-363/07:25:35.1	63	Acquisition Of X-Band Signal		
5869	M1O	04-363/07:25:35.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5870	M1O	04-363/07:26:06.6	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5871	M1O	04-363/07:27:33.0		NOTE: Exit Planetary Atmosphere 13480		04-363/07:08:38.8
5872	M1O	04-363/07:31:06.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-363/07:12:12.6
5873	M1O	04-363/07:31:06.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5874	M1O	04-363/07:31:07.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-363/07:12:13.6
5875	M1O	04-363/07:53:21.2		NOTE: North Pole Crossing 13480		04-363/07:34:27.0
5876	M1O	04-363/07:55:48.6		NOTE: Apoapsis 13480 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
5898	M1O	04-363/09:29:42.6	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5899	M1O	04-363/09:29:43.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-363/09:10:49.6
5900	M1O	04-363/09:29:59.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
5901	M1O	04-363/09:44:59.0	63	X-Band Transmitter Off		
5902	M1O	04-363/09:51:56.7		NOTE: North Pole Crossing 13481		04-363/09:33:02.7
5903	M1O	04-363/09:54:15.1		NOTE: Apoapsis 13481 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5941	M1O	04-363/11:27:48.5	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5942	M1O	04-363/11:27:49.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-363/11:08:55.7
5943	M1O	04-363/11:50:32.0		NOTE: North Pole Crossing 13482		04-363/11:31:38.3
5944	M1O	04-363/11:52:36.1		NOTE: Apoapsis 13482 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5981	M1O	04-363/13:49:05.7		NOTE: North Pole Crossing 13483		04-363/13:30:12.2
5982	M1O	04-363/13:51:09.1		NOTE: Apoapsis 13483 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6022	M1O	04-363/15:05:50.9		NOTE: Enter Earth Occultation 13484		04-363/14:46:57.6
6023	M1O	04-363/15:09:42.2		NOTE: EXIT HGA PARK		
6024	M1O	04-363/15:17:42.4		NOTE: Ascending Node Crossing 13484		04-363/14:58:49.2
6025	M1O	04-363/15:19:35.5		SPAWN, Engine = 65535, Parameters = 00:07:31.422	cstr	04-363/15:00:42.3
6026	M1O	04-363/15:19:35.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-363/15:00:42.4
6027	M1O	04-363/15:19:36.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-363/15:00:43.4
6028	M1O	04-363/15:19:37.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-363/15:00:44.4
6029	M1O	04-363/15:19:38.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-363/15:00:45.4
6030	M1O	04-363/15:19:39.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-363/15:00:46.4
6031	M1O	04-363/15:19:49.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-363/15:00:56.4
6032	M1O	04-363/15:19:59.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-363/15:01:06.4
6033	M1O	04-363/15:20:00.0	43	Begin Pre-Cal		
6034	M1O	04-363/15:20:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6035	M1O	04-363/15:20:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6036	M1O	04-363/15:20:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6037	M1O	04-363/15:20:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6038	M1O	04-363/15:20:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
6039	M1O	04-363/15:20:00.0	43	Config: RCV: Parms:		
6040	M1O	04-363/15:20:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
6041	M1O	04-363/15:20:00.0	43	Config: TGC: BAND=X, SR=238896.000000		
6042	M1O	04-363/15:20:00.0	43	Config: TXL		
6043	M1O	04-363/15:20:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
6044	M1O	04-363/15:20:00.0	43	Config: CMD		
6045	M1O	04-363/15:20:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6046	M1O	04-363/15:20:00.5		NOTE: Exit Earth Occultation 13484		04-363/15:01:07.3
6047	M1O	04-363/15:20:00.5	14	Acquisition Of X-Band Signal		
6048	M1O	04-363/15:20:00.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6049	M1O	04-363/15:20:31.5	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6050	M1O	04-363/15:21:58.3		NOTE: Exit Planetary Atmosphere 13484		04-363/15:03:05.1
6051	M1O	04-363/15:27:31.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-363/15:08:37.8
6052	M1O	04-363/15:27:32.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-363/15:08:38.8
6053	M1O	04-363/15:27:32.0	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6054	M1O	04-363/15:27:33.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-363/15:08:39.8
6055	M1O	04-363/15:47:36.7		NOTE: North Pole Crossing 13484		04-363/15:28:43.6
6056	M1O	04-363/15:49:55.1		NOTE: Apoapsis 13484 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6067	M1O	04-363/16:52:45.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6068	M1O	04-363/16:57:45.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-363/16:38:52.8
6069	M1O	04-363/16:57:45.8	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6070	M1O	04-363/16:57:46.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-363/16:38:53.8
6071	M1O	04-363/17:02:18.3		NOTE: Enter Planetary Atmosphere 13485		04-363/16:43:25.3
6072	M1O	04-363/17:03:17.3		SPAWN, Engine = 65535, Parameters = 00:20:10.221	dpt	04-363/16:44:24.3
6073	M1O	04-363/17:03:19.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-363/16:44:26.4
6074	M1O	04-363/17:03:19.4	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6075	M1O	04-363/17:03:20.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-363/16:44:27.4
6076	M1O	04-363/17:04:19.3		NOTE: Enter Earth Occultation 13485		04-363/16:45:26.3
6077	M1O	04-363/17:04:19.3	14	NOTE: Loss Of X-Band Signal		
6078	M1O	04-363/17:16:11.5		NOTE: Ascending Node Crossing 13485		04-363/16:57:18.5
6079	M1O	04-363/17:18:29.5		NOTE: Exit Earth Occultation 13485		04-363/16:59:36.5
6080	M1O	04-363/17:18:29.5	14	Acquisition Of X-Band Signal		
6081	M1O	04-363/17:18:29.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6082	M1O	04-363/17:20:00.0	43	Begin Tracking		
6083	M1O	04-363/17:20:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6084	M1O	04-363/17:20:27.1		NOTE: Exit Planetary Atmosphere 13485		04-363/17:01:34.1
6085	M1O	04-363/17:23:29.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-363/17:04:36.6
6086	M1O	04-363/17:23:29.6	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6087	M1O	04-363/17:23:29.6	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6088	M1O	04-363/17:23:30.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-363/17:04:37.6
6089	M1O	04-363/17:26:26.0	43	NOTE: Above Uplink Interlock Limit		
6090	M1O	04-363/17:30:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6091	M1O	04-363/17:35:00.0	43	Range Modulation On: SUP=3.0dB		
6092	M1O	04-363/17:36:00.0	43	Begin Ranging Acquisition		
6093	M1O	04-363/17:46:06.9		NOTE: North Pole Crossing 13485		04-363/17:27:14.0
6094	M1O	04-363/17:48:06.9		NOTE: Apoapsis 13485 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6110	M1O	04-363/18:44:44.0	43	Range Modulation On: SUP=3.0dB		
6111	M1O	04-363/18:45:26.0		NOTE: South Pole Crossing 13486		04-363/18:26:33.2
6112	M1O	04-363/18:45:44.0	43	Begin Ranging Acquisition		
6113	M1O	04-363/18:46:28.2		NOTE: Periapsis 13486		04-363/18:27:35.4

6114	M1O	04-363/19:00:50.5		NOTE: Enter Planetary Atmosphere 13486		04-363/18:41:57.8
6115	M1O	04-363/19:01:19.7		SPAWN, Engine = 65535, Parameters = 00:21:08	dpt	04-363/18:42:26.9
6116	M1O	04-363/19:01:21.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-363/18:42:29.0
6117	M1O	04-363/19:01:21.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6118	M1O	04-363/19:01:22.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-363/18:42:30.0
6119	M1O	04-363/19:02:21.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6120	M1O	04-363/19:02:51.9		NOTE: Enter Earth Occultation 13486		04-363/18:43:59.2
6121	M1O	04-363/19:02:51.9	43	NOTE: Loss Of X-Band Signal		
6122	M1O	04-363/19:14:43.3		NOTE: Ascending Node Crossing 13486		04-363/18:55:50.5
6123	M1O	04-363/19:16:57.9		NOTE: Exit Earth Occultation 13486		04-363/18:58:05.2
6124	M1O	04-363/19:16:57.9	43	Acquisition Of X-Band Signal		
6125	M1O	04-363/19:16:57.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6126	M1O	04-363/19:17:29.5	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6127	M1O	04-363/19:18:55.9		NOTE: Exit Planetary Atmosphere 13486		04-363/19:00:03.2
6128	M1O	04-363/19:22:29.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-363/19:03:37.0
6129	M1O	04-363/19:22:29.7	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6130	M1O	04-363/19:22:30.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-363/19:03:38.0
6131	M1O	04-363/19:44:39.6		NOTE: North Pole Crossing 13486		04-363/19:25:47.0
6132	M1O	04-363/19:46:21.0		NOTE: Apoapsis 13486 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6155	M1O	04-363/21:17:32.2		NOTE: Exit Planetary Atmosphere 13487		04-363/20:58:39.7
6156	M1O	04-363/21:21:05.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-363/21:02:13.0
6157	M1O	04-363/21:21:05.5	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6158	M1O	04-363/21:21:06.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-363/21:02:14.0
6159	M1O	04-363/21:43:14.9		NOTE: North Pole Crossing 13487		04-363/21:24:22.5
6160	M1O	04-363/21:45:21.0		NOTE: Apoapsis 13487 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6199	M1O	04-364/00:56:36.9		NOTE: Enter Planetary Atmosphere 13489		04-364/00:37:44.9
6200	M1O	04-364/00:57:05.1		SPAWN, Engine = 65535, Parameters = 00:21:17	dpt	04-364/00:38:13.1
6201	M1O	04-364/00:57:07.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-364/00:38:15.2
6202	M1O	04-364/00:57:07.2	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6203	M1O	04-364/00:57:08.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-364/00:38:16.2
6204	M1O	04-364/00:58:07.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6205	M1O	04-364/00:58:37.2		NOTE: Enter Earth Occultation 13489		04-364/00:39:45.2
6206	M1O	04-364/00:58:37.2	43	NOTE: Loss Of X-Band Signal		
6207	M1O	04-364/01:10:29.3		NOTE: Ascending Node Crossing 13489		04-364/00:51:37.4
6208	M1O	04-364/01:12:52.5		NOTE: Exit Earth Occultation 13489		04-364/00:54:00.5
6209	M1O	04-364/01:12:52.5	43	Acquisition Of X-Band Signal		
6210	M1O	04-364/01:12:52.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6211	M1O	04-364/01:13:23.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6212	M1O	04-364/01:14:49.4		NOTE: Exit Planetary Atmosphere 13489		04-364/00:55:57.5
6213	M1O	04-364/01:18:24.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-364/00:59:32.2
6214	M1O	04-364/01:18:24.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6215	M1O	04-364/01:18:25.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-364/00:59:33.2
6216	M1O	04-364/01:34:59.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
6217	M1O	04-364/01:40:24.8		NOTE: North Pole Crossing 13489		04-364/01:21:32.9
6218	M1O	04-364/01:43:02.2		NOTE: Apoapsis 13489 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6241	M1O	04-364/03:11:27.5	43	Acquisition Of X-Band Signal		
6242	M1O	04-364/03:11:27.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6243	M1O	04-364/03:13:24.2		NOTE: Exit Planetary Atmosphere 13490		04-364/02:54:32.6
6244	M1O	04-364/03:16:27.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-364/02:57:36.0
6245	M1O	04-364/03:16:27.6	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6246	M1O	04-364/03:16:28.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-364/02:57:37.0
6247	M1O	04-364/03:38:56.3		NOTE: North Pole Crossing 13490		04-364/03:20:04.7
6248	M1O	04-364/03:41:14.3		NOTE: Apoapsis 13490 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6286	M1O	04-364/05:48:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-364/05:30:08.0
6287	M1O	04-364/05:48:59.3	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6288	M1O	04-364/05:48:59.3	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6289	M1O	04-364/05:49:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-364/05:30:09.0
6290	M1O	04-364/05:49:59.2		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-364/05:31:07.9
6291	M1O	04-364/05:49:59.2		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-364/05:31:07.9
6292	M1O	04-364/05:49:59.2	43	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6293	M1O	04-364/05:49:59.2	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6294	M1O	04-364/05:50:00.0	43	End Tracking		
6295	M1O	04-364/05:54:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-364/05:36:08.0
6296	M1O	04-364/05:54:59.3	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6297	M1O	04-364/05:55:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-364/05:36:09.0
6298	M1O	04-364/06:05:00.0	43	End Post-Cal		
6299	M1O	04-364/06:06:07.0	55	NOTE: Above Uplink Interlock Limit		
6300	M1O	04-364/06:07:25.1		NOTE: Descending Node Crossing 13492		04-364/05:48:33.9
6301	M1O	04-364/06:31:18.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6302	M1O	04-364/06:36:18.0	55	Range Modulation On: SUP=3.0dB		
6303	M1O	04-364/06:36:45.8		NOTE: South Pole Crossing 13492		04-364/06:17:54.6
6304	M1O	04-364/06:37:18.0	55	Begin Ranging Acquisition		
6305	M1O	04-364/06:38:08.6		NOTE: Periapsis 13492		04-364/06:19:17.4

6306	M1O	04-364/06:52:15.2		NOTE: Enter Planetary Atmosphere 13492		04-364/06:33:24.0
6307	M1O	04-364/06:53:13.6		SPAWN, Engine = 65535, Parameters = 00:20:44.865	dpt	04-364/06:34:22.5
6308	M1O	04-364/06:53:15.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-364/06:34:24.6
6309	M1O	04-364/06:53:15.7	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6310	M1O	04-364/06:53:16.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-364/06:34:25.6
6311	M1O	04-364/06:54:15.6		NOTE: Enter Earth Occultation 13492		04-364/06:35:24.5
6312	M1O	04-364/06:54:15.6	55	NOTE: Loss Of X-Band Signal		
6313	M1O	04-364/07:06:03.2		NOTE: Ascending Node Crossing 13492		04-364/06:47:12.1
6314	M1O	04-364/07:08:28.7		NOTE: Exit Earth Occultation 13492		04-364/06:49:37.6
6315	M1O	04-364/07:08:28.7	55	Acquisition Of X-Band Signal		
6316	M1O	04-364/07:08:28.7	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6317	M1O	04-364/07:09:00.4	55	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6318	M1O	04-364/07:10:25.8		NOTE: Exit Planetary Atmosphere 13492		04-364/06:51:34.6
6319	M1O	04-364/07:14:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-364/06:55:09.4
6320	M1O	04-364/07:14:00.6	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6321	M1O	04-364/07:14:01.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-364/06:55:10.4
6322	M1O	04-364/07:18:51.1		SPAWN, Engine = 65535, Parameters =	scdiag	04-364/07:00:00.0
6323	M1O	04-364/07:18:52.2		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-364/07:00:01.1
6324	M1O	04-364/07:18:53.2		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-364/07:00:02.1
6325	M1O	04-364/07:19:54.1		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	04-364/07:01:03.0
6326	M1O	04-364/07:19:54.3		NOTE: Start Block fsw_diag		04-364/07:01:03.2
6327	M1O	04-364/07:19:55.3		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D53,0x686F7720,0x313B6368,0x65636B53,0x7461636B,0x3B690000,0x0000,0x0000,0x0000,	FSW_VX_CMD	04-364/07:01:04.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000]		
6328	M1O	04-364/07:19:56.3		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	04-364/07:01:05.2
6329	M1O	04-364/07:20:07.3		NOTE: End Block fsw_diag.mod		04-364/07:01:16.2
6330	M1O	04-364/07:21:07.1		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-364/07:02:16.0
6331	M1O	04-364/07:21:07.3		NOTE: Start Block fsw_diag		04-364/07:02:16.2
6332	M1O	04-364/07:21:08.3		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-364/07:02:17.2
6333	M1O	04-364/07:21:09.3		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	04-364/07:02:18.2
6334	M1O	04-364/07:21:20.3		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	04-364/07:02:29.2
6335	M1O	04-364/07:21:50.3		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-364/07:02:59.2
6336	M1O	04-364/07:22:10.3		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-364/07:03:19.2
6337	M1O	04-364/07:22:20.3		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-364/07:03:29.2
6338	M1O	04-364/07:22:40.3		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-364/07:03:49.2
6339	M1O	04-364/07:22:50.3		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-364/07:03:59.2
6340	M1O	04-364/07:22:55.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-364/07:04:04.2
6341	M1O	04-364/07:23:00.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-364/07:04:09.2
6342	M1O	04-364/07:23:05.3		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-364/07:04:14.2
6343	M1O	04-364/07:23:10.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-364/07:04:19.2
6344	M1O	04-364/07:23:15.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-364/07:04:24.2
6345	M1O	04-364/07:23:55.3		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-364/07:05:04.2
6346	M1O	04-364/07:24:00.3		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-364/07:05:09.2
6347	M1O	04-364/07:24:05.3		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-364/07:05:14.2
6348	M1O	04-364/07:24:10.3		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-364/07:05:19.2
6349	M1O	04-364/07:24:15.3		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-364/07:05:24.2
6350	M1O	04-364/07:24:16.3		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-364/07:05:25.2
6351	M1O	04-364/07:24:17.3		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-364/07:05:26.2
6352	M1O	04-364/07:24:18.3		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-364/07:05:27.2
6353	M1O	04-364/07:24:29.3		NOTE: End Block fsw_diag.mod		04-364/07:05:38.2
6354	M1O	04-364/07:35:59.0		NOTE: North Pole Crossing 13492		04-364/07:17:08.0
6355	M1O	04-364/07:38:21.5		NOTE: Apoapsis 13492 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6371	M1O	04-364/08:52:46.2		NOTE: Enter Earth Occultation 13493		04-364/08:33:55.3
6372	M1O	04-364/08:52:46.2	55	NOTE: Loss Of X-Band Signal		
6373	M1O	04-364/09:04:37.2		NOTE: Ascending Node Crossing 13493		04-364/08:45:46.3
6374	M1O	04-364/09:07:03.1		NOTE: Exit Earth Occultation 13493		04-364/08:48:12.2
6375	M1O	04-364/09:07:03.1	55	Acquisition Of X-Band Signal		
6376	M1O	04-364/09:07:03.1	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6377	M1O	04-364/09:07:33.8	55	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6378	M1O	04-364/09:08:59.6		NOTE: Exit Planetary Atmosphere 13493		04-364/08:50:08.8
6379	M1O	04-364/09:12:34.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-364/08:53:43.4
6380	M1O	04-364/09:12:34.3	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6381	M1O	04-364/09:12:35.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-364/08:53:44.4
6382	M1O	04-364/09:34:34.1		NOTE: North Pole Crossing 13493		04-364/09:15:43.3
6383	M1O	04-364/09:36:50.3		NOTE: Apoapsis 13493 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6416	M1O	04-364/11:45:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6417	M1O	04-364/11:45:00.0	26	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
6418	M1O	04-364/11:45:00.0	26	Config: RCV: Parms:		
6419	M1O	04-364/11:45:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
6420	M1O	04-364/11:45:00.0	26	Config: TGC: BAND=X, SR=85320.000000		
6421	M1O	04-364/11:45:00.0	26	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
6422	M1O	04-364/11:56:48.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
6423	M1O	04-364/12:03:10.8		NOTE: Descending Node Crossing 13495		04-364/11:44:20.3
6424	M1O	04-364/12:06:48.0	55	Range Modulation Off		
6425	M1O	04-364/12:11:48.0	55	X-Band Transmitter Off		
6426	M1O	04-364/12:27:09.0	55	TXR On: PWR=20.0, Band=X		
6427	M1O	04-364/12:32:09.0	55	Range Modulation On: SUP=3.0dB		
6428	M1O	04-364/12:32:31.7		NOTE: South Pole Crossing 13495		04-364/12:13:41.3
6429	M1O	04-364/12:33:09.0	55	Begin Ranging Acquisition		
6430	M1O	04-364/12:33:57.5		NOTE: Periapsis 13495 ----------		04-364/12:15:07.1
6431	M1O	04-364/12:47:59.7		NOTE: Enter Planetary Atmosphere 13495		04-364/12:29:09.3
6432	M1O	04-364/12:48:26.9		SPAWN, Engine = 65535, Parameters = 00:21:21	dpt	04-364/12:29:36.5
6433	M1O	04-364/12:48:29.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-364/12:29:38.6
6434	M1O	04-364/12:48:29.0	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6435	M1O	04-364/12:48:30.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-364/12:29:39.6
6436	M1O	04-364/12:49:28.8	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6437	M1O	04-364/12:49:59.6		NOTE: Enter Earth Occultation 13495		04-364/12:31:09.2
6438	M1O	04-364/12:49:59.6	55	NOTE: Loss Of X-Band Signal		
6439	M1O	04-364/13:00:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
6440	M1O	04-364/13:01:48.7		NOTE: Ascending Node Crossing 13495		04-364/12:42:58.3
6441	M1O	04-364/13:04:17.9		NOTE: Exit Earth Occultation 13495		04-364/12:45:27.6
6442	M1O	04-364/13:04:17.9	55	Acquisition Of X-Band Signal		
6443	M1O	04-364/13:04:17.9	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6444	M1O	04-364/13:04:49.8	55	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6445	M1O	04-364/13:06:14.4		NOTE: Exit Planetary Atmosphere 13495		04-364/12:47:24.1
6446	M1O	04-364/13:09:50.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-364/12:50:59.6
6447	M1O	04-364/13:09:50.0	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6448	M1O	04-364/13:09:51.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-364/12:51:00.6
6449	M1O	04-364/13:10:00.0	55	Range Modulation Off		
6450	M1O	04-364/13:15:00.0	26	Begin Tracking		
6451	M1O	04-364/13:15:00.0	26	Acquire D/L: X/08, 3-Way/55, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6452	M1O	04-364/13:15:00.0	55	X-Band Transmitter Off		
6453	M1O	04-364/13:17:21.0	26	NOTE: Above Uplink Interlock Limit		
6454	M1O	04-364/13:26:32.0	55	NOTE: Below Uplink Interlock Limit		
6455	M1O	04-364/13:31:44.7		NOTE: North Pole Crossing 13495		04-364/13:12:54.4
6456	M1O	04-364/13:33:37.4		NOTE: Apoapsis 13495 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6461	M1O	04-364/13:41:48.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-362T13:22:40.200, 2004-364T13:22:40.200	PCKTS_RE_TX_TIME	04-364/13:22:57.8
6462	M1O	04-364/13:41:49.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-362T13:22:40.200, 2004-364T13:22:40.200	PCKTS_RE_TX_TIME	04-364/13:22:58.8
6463	M1O	04-364/13:41:50.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-362T13:22:40.200, 2004-364T13:22:40.200	PCKTS_RE_TX_TIME	04-364/13:22:59.8
6464	M1O	04-364/13:41:51.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-362T13:22:40.200, 2004-364T13:22:40.200	PCKTS_RE_TX_TIME	04-364/13:23:00.8
6465	M1O	04-364/13:41:51.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-364/13:23:00.8
6466	M1O	04-364/13:41:51.0	26	D/L Change: X/08, 3-Way/55, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6467	M1O	04-364/13:44:11.2		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-364/13:25:21.0
6468	M1O	04-364/13:44:11.3		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-364/13:25:21.1
6469	M1O	04-364/13:44:12.3		Forces a desaturation of the reaction wheels.	RW_DESAT	04-364/13:25:22.1
6470	M1O	04-364/13:50:00.0	55	End Post-Cal		
6471	M1O	04-364/13:51:52.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-364/13:33:01.8
6472	M1O	04-364/13:51:52.0	26	D/L Change: X/08, 3-Way/55, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6473	M1O	04-364/13:51:53.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-364/13:33:02.8
6474	M1O	04-364/13:52:09.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-364/13:33:18.8
6475	M1O	04-364/13:52:09.0	26	D/L RF Warning: SC antenna change - expect signal level variation		
6476	M1O	04-364/13:52:10.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-364/13:33:19.8
6477	M1O	04-364/13:52:40.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6478	M1O	04-364/13:55:42.3		CALL, Engine = , Parameters = FALSE	park_hga	04-364/13:36:52.1
6479	M1O	04-364/13:55:42.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-364/13:36:52.1
6480	M1O	04-364/13:55:43.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-364/13:36:53.1
6481	M1O	04-364/13:55:44.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-364/13:36:54.1
6482	M1O	04-364/13:55:44.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-364/13:36:54.1
6483	M1O	04-364/13:55:44.3		NOTE: START HGA PARK		
6484	M1O	04-364/13:55:44.3	26	NOTE: Loss Of X-Band Signal		
6485	M1O	04-364/13:55:45.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-364/13:36:55.1
6486	M1O	04-364/13:55:46.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-364/13:36:56.1
6487	M1O	04-364/14:00:16.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-364/13:41:26.1
6488	M1O	04-364/14:01:44.4		NOTE: Descending Node Crossing 13496		04-364/13:42:54.2
6489	M1O	04-364/14:03:46.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-364/13:44:56.1
6490	M1O	04-364/14:03:46.3		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-364/13:44:56.1
6491	M1O	04-364/14:31:05.2		NOTE: South Pole Crossing 13496		04-364/14:12:15.1
6492	M1O	04-364/14:32:33.7		NOTE: Periapsis 13496		04-364/14:13:43.6

6493	M1O	04-364/14:33:46.1		GV: GV_DESAT_ACTIVE = 1		04-364/14:14:56.0
6494	M1O	04-364/14:33:47.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-364/14:14:57.0
6495	M1O	04-364/14:33:47.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-364/14:14:57.0
6496	M1O	04-364/14:43:46.1		GV: GV_DESAT_ACTIVE = 0		04-364/14:24:56.0
6497	M1O	04-364/14:43:47.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-364/14:24:57.0
6498	M1O	04-364/14:43:48.1		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-364/14:24:58.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6499	M1O	04-364/14:43:49.1		CALL, Engine = , Parameters =	unpark_hga	04-364/14:24:59.0
6500	M1O	04-364/14:43:49.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-364/14:24:59.0
6501	M1O	04-364/14:43:50.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-364/14:25:00.0
6502	M1O	04-364/14:46:36.7		NOTE: Enter Planetary Atmosphere 13496		04-364/14:27:46.6
6503	M1O	04-364/14:48:20.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-364/14:29:30.0
6504	M1O	04-364/14:48:21.1		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-364/14:29:31.0
6505	M1O	04-364/14:48:36.8		NOTE: Enter Earth Occultation 13496		04-364/14:29:46.6
6506	M1O	04-364/14:52:21.1		NOTE: EXIT HGA PARK		
6507	M1O	04-364/15:00:22.1		NOTE: Ascending Node Crossing 13496		04-364/14:41:32.0
6508	M1O	04-364/15:02:29.5		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-364/14:43:39.4
6509	M1O	04-364/15:02:29.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-364/14:43:39.5
6510	M1O	04-364/15:02:30.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-364/14:43:40.5
6511	M1O	04-364/15:02:31.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-364/14:43:41.5
6512	M1O	04-364/15:02:32.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-364/14:43:42.5
6513	M1O	04-364/15:02:33.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-364/14:43:43.5
6514	M1O	04-364/15:02:43.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-364/14:43:53.5
6515	M1O	04-364/15:02:53.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-364/14:44:03.5
6516	M1O	04-364/15:02:54.5		NOTE: Exit Earth Occultation 13496		04-364/14:44:04.4
6517	M1O	04-364/15:02:54.5	26	Acquisition Of X-Band Signal		
6518	M1O	04-364/15:02:54.5	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6519	M1O	04-364/15:04:51.2		NOTE: Exit Planetary Atmosphere 13496		04-364/14:46:01.1
6520	M1O	04-364/15:09:53.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-364/14:51:03.5
6521	M1O	04-364/15:09:54.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-364/14:51:04.5
6522	M1O	04-364/15:09:54.6	26	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6523	M1O	04-364/15:09:55.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-364/14:51:05.5
6524	M1O	04-364/15:30:17.0		NOTE: North Pole Crossing 13496		04-364/15:11:27.0
6525	M1O	04-364/15:32:22.0		NOTE: Apoapsis 13496 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6543	M1O	04-364/16:46:05.6		SPAWN, Engine = 65535, Parameters = 00:20:19.077	dpt	04-364/16:27:15.7
6544	M1O	04-364/16:46:07.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-364/16:27:17.8
6545	M1O	04-364/16:46:07.7	26	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6546	M1O	04-364/16:46:08.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-364/16:27:18.8
6547	M1O	04-364/16:47:07.5		NOTE: Enter Earth Occultation 13497		04-364/16:28:17.7
6548	M1O	04-364/16:47:07.5	26	NOTE: Loss Of X-Band Signal		
6549	M1O	04-364/16:58:52.2		NOTE: Ascending Node Crossing 13497		04-364/16:40:02.3
6550	M1O	04-364/17:01:26.6		NOTE: Exit Earth Occultation 13497		04-364/16:42:36.8
6551	M1O	04-364/17:01:26.6	26	Acquisition Of X-Band Signal		
6552	M1O	04-364/17:01:26.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6553	M1O	04-364/17:03:23.1		NOTE: Exit Planetary Atmosphere 13497		04-364/16:44:33.3
6554	M1O	04-364/17:06:26.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-364/16:47:36.9
6555	M1O	04-364/17:06:26.7	26	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6556	M1O	04-364/17:06:27.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-364/16:47:37.9
6557	M1O	04-364/17:28:47.3		NOTE: North Pole Crossing 13497		04-364/17:09:57.5
6558	M1O	04-364/17:30:51.7		NOTE: Apoapsis 13497 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
6585	M1O	04-364/18:45:37.5		NOTE: Enter Earth Occultation 13498		04-364/18:26:47.9
6586	M1O	04-364/18:45:37.5	43	NOTE: Loss Of X-Band Signal		
6587	M1O	04-364/18:45:37.5	26	NOTE: Loss Of X-Band Signal		
6588	M1O	04-364/18:57:22.3		NOTE: Ascending Node Crossing 13498		04-364/18:38:32.7
6589	M1O	04-364/18:59:54.3		NOTE: Exit Earth Occultation 13498		04-364/18:41:04.7
6590	M1O	04-364/18:59:54.3	43	Acquisition Of X-Band Signal		
6591	M1O	04-364/18:59:54.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6592	M1O	04-364/18:59:54.3	26	Acquisition Of X-Band Signal		
6593	M1O	04-364/18:59:54.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6594	M1O	04-364/19:00:25.2	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6595	M1O	04-364/19:00:25.2	26	Acquire D/L: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6596	M1O	04-364/19:01:50.9		NOTE: Exit Planetary Atmosphere 13498		04-364/18:43:01.4
6597	M1O	04-364/19:05:25.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-364/18:46:35.8
6598	M1O	04-364/19:05:25.4	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6599	M1O	04-364/19:05:25.4	26	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6600	M1O	04-364/19:05:26.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-364/18:46:36.8
6601	M1O	04-364/19:27:18.6		NOTE: North Pole Crossing 13498		04-364/19:08:29.1
6602	M1O	04-364/19:29:01.6		NOTE: Apoapsis 13498 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6626	M1O	04-364/20:58:27.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6627	M1O	04-364/20:58:58.7	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6628	M1O	04-364/21:00:24.3		NOTE: Exit Planetary Atmosphere 13499		04-364/20:41:35.0
6629	M1O	04-364/21:03:59.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-364/20:45:09.8
6630	M1O	04-364/21:03:59.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6631	M1O	04-364/21:04:00.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-364/20:45:10.8
6632	M1O	04-364/21:25:53.2		NOTE: North Pole Crossing 13499		04-364/21:07:04.0
6633	M1O	04-364/21:27:44.6		NOTE: Apoapsis 13499 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6671	M1O	04-365/00:25:44.2		NOTE: Periapsis 13501 ----------		04-365/00:06:55.3
6672	M1O	04-365/00:39:25.1		NOTE: Enter Planetary Atmosphere 13501		04-365/00:20:36.3
6673	M1O	04-365/00:39:51.7		SPAWN, Engine = 65535, Parameters = 00:21:23	dpt	04-365/00:21:02.9
6674	M1O	04-365/00:39:53.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-365/00:21:05.0
6675	M1O	04-365/00:39:53.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6676	M1O	04-365/00:39:54.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-365/00:21:06.0
6677	M1O	04-365/00:40:53.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6678	M1O	04-365/00:41:24.5		NOTE: Enter Earth Occultation 13501		04-365/00:22:35.7
6679	M1O	04-365/00:41:24.5	43	NOTE: Loss Of X-Band Signal		
6680	M1O	04-365/00:53:08.5		NOTE: Ascending Node Crossing 13501		04-365/00:34:19.7
6681	M1O	04-365/00:55:45.7		NOTE: Exit Earth Occultation 13501		04-365/00:36:56.9
6682	M1O	04-365/00:55:45.7	43	Acquisition Of X-Band Signal		
6683	M1O	04-365/00:55:45.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6684	M1O	04-365/00:56:16.6	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6685	M1O	04-365/00:57:41.8		NOTE: Exit Planetary Atmosphere 13501		04-365/00:38:53.1
6686	M1O	04-365/01:01:16.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-365/00:42:28.0
6687	M1O	04-365/01:01:16.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6688	M1O	04-365/01:01:17.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-365/00:42:29.0
6689	M1O	04-365/01:23:04.2		NOTE: North Pole Crossing 13501		04-365/01:04:15.5
6690	M1O	04-365/01:25:44.6		NOTE: Apoapsis 13501 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6715	M1O	04-365/02:59:54.5	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6716	M1O	04-365/02:59:55.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-365/02:41:07.0
6717	M1O	04-365/03:21:37.2		NOTE: North Pole Crossing 13502		04-365/03:02:48.7
6718	M1O	04-365/03:24:05.5		NOTE: Apoapsis 13502 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 3, 2004-363T05:20:00.200, 2004-365T05:20:00.200		
6757	M1O	04-365/05:39:08.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-363T05:20:00.200, 2004-365T05:20:00.200	PCKTS_RE_TX_TIME	04-365/05:20:20.8
6758	M1O	04-365/05:39:08.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-365/05:20:20.8
6759	M1O	04-365/05:39:08.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6760	M1O	04-365/05:41:04.0	43	NOTE: Below Uplink Interlock Limit		
6761	M1O	04-365/05:49:09.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-365/05:30:21.8
6762	M1O	04-365/05:49:09.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6763	M1O	04-365/05:49:10.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-365/05:30:22.8
6764	M1O	04-365/05:49:40.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	04-365/05:30:52.8
6765	M1O	04-365/05:49:40.9	43	NOTE: Loss Of X-Band Signal		
6766	M1O	04-365/05:49:50.9		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	04-365/05:31:02.8
6767	M1O	04-365/05:49:51.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-365/05:31:03.8
6768	M1O	04-365/05:49:52.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-365/05:31:04.8
6769	M1O	04-365/05:50:00.0	43	End Tracking		
6770	M1O	04-365/05:50:06.4		NOTE: Descending Node Crossing 13504		04-365/05:31:18.3
6771	M1O	04-365/06:05:00.0	43	End Post-Cal		
6772	M1O	04-365/06:19:26.6		NOTE: South Pole Crossing 13504		04-365/06:00:38.5
6773	M1O	04-365/06:20:00.0	55	Begin Pre-Cal		
6774	M1O	04-365/06:20:00.0	55	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
6775	M1O	04-365/06:20:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6776	M1O	04-365/06:20:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6777	M1O	04-365/06:20:00.0	55	At BOT: S/C Transmitter Status: PWR=OFF, EXC=1, PWR=OFF, EXC=2		
6778	M1O	04-365/06:20:00.0	55	Config: RCV: Parms:		
6779	M1O	04-365/06:20:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
6780	M1O	04-365/06:20:00.0	55	Config: TGC: BAND=X, SR=85320.000000		
6781	M1O	04-365/06:20:00.0	55	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
6782	M1O	04-365/06:20:48.4		NOTE: Periapsis 13504		04-365/06:02:00.3

6783	M1O	04-365/06:35:03.6		NOTE: Enter Planetary Atmosphere 13504		04-365/06:16:15.6
6784	M1O	04-365/06:37:02.9		NOTE: Enter Earth Occultation 13504		04-365/06:18:14.9
6785	M1O	04-365/06:48:43.3		NOTE: Ascending Node Crossing 13504		04-365/06:29:55.3
6786	M1O	04-365/06:49:59.9		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-365/06:31:11.9
6787	M1O	04-365/06:49:59.9		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-365/06:31:11.9
6788	M1O	04-365/06:50:00.0	55	Begin Tracking		
6789	M1O	04-365/06:51:00.8		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-365/06:32:12.8
6790	M1O	04-365/06:51:00.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-365/06:32:12.9
6791	M1O	04-365/06:51:01.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-365/06:32:13.9
6792	M1O	04-365/06:51:02.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-365/06:32:14.9
6793	M1O	04-365/06:51:03.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-365/06:32:15.9
6794	M1O	04-365/06:51:04.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-365/06:32:16.9
6795	M1O	04-365/06:51:14.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-365/06:32:26.9
6796	M1O	04-365/06:51:24.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-365/06:32:36.9
6797	M1O	04-365/06:51:25.8		NOTE: Exit Earth Occultation 13504		04-365/06:32:37.8
6798	M1O	04-365/06:51:25.8	55	Acquisition Of X-Band Signal		
6799	M1O	04-365/06:51:25.8	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6800	M1O	04-365/06:53:21.7		NOTE: Exit Planetary Atmosphere 13504		04-365/06:34:33.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6801	M1O	04-365/06:58:24.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-365/06:39:36.9
6802	M1O	04-365/06:58:25.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-365/06:39:37.9
6803	M1O	04-365/06:58:25.9	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6804	M1O	04-365/06:58:26.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-365/06:39:38.9
6805	M1O	04-365/07:18:38.4		NOTE: North Pole Crossing 13504		04-365/06:59:50.5
6806	M1O	04-365/07:18:47.9		SPAWN, Engine = 65535, Parameters =	scdiag	04-365/07:00:00.0
6807	M1O	04-365/07:18:49.0		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-365/07:00:01.1
6808	M1O	04-365/07:18:50.0		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-365/07:00:02.1
6809	M1O	04-365/07:19:50.9		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-365/07:01:03.0
6810	M1O	04-365/07:19:51.1		NOTE: Start Block fsw_diag		04-365/07:01:03.2
6811	M1O	04-365/07:19:52.1		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-365/07:01:04.2
6812	M1O	04-365/07:19:53.1		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	04-365/07:01:05.2
6813	M1O	04-365/07:20:04.1		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	04-365/07:01:16.2
6814	M1O	04-365/07:20:34.1		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-365/07:01:46.2
6815	M1O	04-365/07:20:54.1		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-365/07:02:06.2
6816	M1O	04-365/07:20:55.2		NOTE: Apoapsis 13504 -		04-365/07:02:07.3
6817	M1O	04-365/07:21:04.1		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-365/07:02:16.2
6818	M1O	04-365/07:21:24.1		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-365/07:02:36.2
6819	M1O	04-365/07:21:34.1		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-365/07:02:46.2
6820	M1O	04-365/07:21:39.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-365/07:02:51.2
6821	M1O	04-365/07:21:44.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-365/07:02:56.2
6822	M1O	04-365/07:21:49.1		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-365/07:03:01.2
6823	M1O	04-365/07:21:54.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-365/07:03:06.2
6824	M1O	04-365/07:21:59.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-365/07:03:11.2
6825	M1O	04-365/07:22:39.1		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-365/07:03:51.2
6826	M1O	04-365/07:22:44.1		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-365/07:03:56.2
6827	M1O	04-365/07:22:49.1		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-365/07:04:01.2
6828	M1O	04-365/07:22:54.1		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-365/07:04:06.2
6829	M1O	04-365/07:22:59.1		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-365/07:04:11.2
6830	M1O	04-365/07:23:00.1		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-365/07:04:12.2
6831	M1O	04-365/07:23:01.1		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-365/07:04:13.2
6832	M1O	04-365/07:23:02.1		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-365/07:04:14.2
6833	M1O	04-365/07:23:13.1		NOTE: End Block fsw_diag.mod		04-365/07:04:25.2
6834	M1O	04-365/07:48:37.4		NOTE: Descending Node Crossing 13505		04-365/07:29:49.5
6835	M1O	04-365/08:17:58.3		NOTE: South Pole Crossing 13505		04-365/07:59:10.5
6836	M1O	04-365/08:19:21.5		NOTE: Periapsis 13505 ----------		04-365/08:00:33.7
6837	M1O	04-365/08:33:35.9		NOTE: Enter Planetary Atmosphere 13505		04-365/08:14:48.1
6838	M1O	04-365/08:34:33.1		SPAWN, Engine = 65535, Parameters = 00:20:22.523	dpt	04-365/08:15:45.3
6839	M1O	04-365/08:34:35.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-365/08:15:47.4
6840	M1O	04-365/08:34:35.2	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6841	M1O	04-365/08:34:36.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-365/08:15:48.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6842	M1O	04-365/08:35:35.1		NOTE: Enter Earth Occultation 13505		04-365/08:16:47.3
6843	M1O	04-365/08:35:35.1	55	NOTE: Loss Of X-Band Signal		
6844	M1O	04-365/08:47:15.9		NOTE: Ascending Node Crossing 13505		04-365/08:28:28.2
6845	M1O	04-365/08:49:57.6		NOTE: Exit Earth Occultation 13505		04-365/08:31:09.9
6846	M1O	04-365/08:49:57.6	55	Acquisition Of X-Band Signal		
6847	M1O	04-365/08:49:57.6	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6848	M1O	04-365/08:51:53.4		NOTE: Exit Planetary Atmosphere 13505		04-365/08:33:05.7
6849	M1O	04-365/08:54:57.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-365/08:36:10.0
6850	M1O	04-365/08:54:57.7	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6851	M1O	04-365/08:54:58.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-365/08:36:11.0
6852	M1O	04-365/09:17:12.4		NOTE: North Pole Crossing 13505		04-365/08:58:24.7
6853	M1O	04-365/09:19:27.9		NOTE: Apoapsis 13505 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6887	M1O	04-365/12:00:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6888	M1O	04-365/12:15:09.7		NOTE: South Pole Crossing 13507		04-365/11:56:22.4
6889	M1O	04-365/12:16:33.1		NOTE: Periapsis 13507 ----------		04-365/11:57:45.9
6890	M1O	04-365/12:30:45.1		NOTE: Enter Planetary Atmosphere 13507		04-365/12:11:57.9
6891	M1O	04-365/12:31:42.0		SPAWN, Engine = 65535, Parameters = 00:20:27.005	dpt	04-365/12:12:54.7
6892	M1O	04-365/12:31:44.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-365/12:12:56.8
6893	M1O	04-365/12:31:44.1	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6894	M1O	04-365/12:31:45.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-365/12:12:57.8
6895	M1O	04-365/12:32:44.0		NOTE: Enter Earth Occultation 13507		04-365/12:13:56.7
6896	M1O	04-365/12:32:44.0	55	NOTE: Loss Of X-Band Signal		
6897	M1O	04-365/12:44:26.7		NOTE: Ascending Node Crossing 13507		04-365/12:25:39.5
6898	M1O	04-365/12:47:10.9		NOTE: Exit Earth Occultation 13507		04-365/12:28:23.7
6899	M1O	04-365/12:47:10.9	55	Acquisition Of X-Band Signal		
6900	M1O	04-365/12:47:10.9	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6901	M1O	04-365/12:49:06.3		NOTE: Exit Planetary Atmosphere 13507		04-365/12:30:19.1
6902	M1O	04-365/12:52:11.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-365/12:33:23.8
6903	M1O	04-365/12:52:11.0	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6904	M1O	04-365/12:52:12.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-365/12:33:24.8
6905	M1O	04-365/13:00:00.0	26	Begin Tracking		
6906	M1O	04-365/13:00:00.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6907	M1O	04-365/13:14:23.2		NOTE: North Pole Crossing 13507		04-365/12:55:36.1
6908	M1O	04-365/13:16:15.5		NOTE: Apoapsis 13507 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
6927	M1O	04-365/13:37:50.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-365/13:19:03.8
6928	M1O	04-365/13:37:50.8	26	D/L RF Warning: SC antenna change - expect signal level variation		
6929	M1O	04-365/13:37:51.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-365/13:19:04.8
6930	M1O	04-365/13:38:20.1		CALL, Engine = , Parameters = FALSE	park_hga	04-365/13:19:33.1
6931	M1O	04-365/13:38:20.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-365/13:19:33.1
6932	M1O	04-365/13:38:21.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-365/13:19:34.1
6933	M1O	04-365/13:38:22.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-365/13:19:35.1
6934	M1O	04-365/13:38:22.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-365/13:19:35.1
6935	M1O	04-365/13:38:22.1		NOTE: START HGA PARK		
6936	M1O	04-365/13:38:22.1	26	NOTE: Loss Of X-Band Signal		
6937	M1O	04-365/13:38:23.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-365/13:19:36.1
6938	M1O	04-365/13:38:24.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-365/13:19:37.1
6939	M1O	04-365/13:42:54.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-365/13:24:07.1
6940	M1O	04-365/13:44:23.5		NOTE: Descending Node Crossing 13508		04-365/13:25:36.4
6941	M1O	04-365/13:46:24.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-365/13:27:37.1
6942	M1O	04-365/13:46:24.1		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-365/13:27:37.1
6943	M1O	04-365/14:08:46.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6944	M1O	04-365/14:13:44.4		NOTE: South Pole Crossing 13508		04-365/13:54:57.4
6945	M1O	04-365/14:13:46.0	26	Range Modulation On: SUP=3.0dB		
6946	M1O	04-365/14:14:46.0	26	Begin Ranging Acquisition		
6947	M1O	04-365/14:15:08.4		NOTE: Periapsis 13508		04-365/13:56:21.5

6948	M1O	04-365/14:16:23.9		GV: GV_DESAT_ACTIVE = 1		04-365/13:57:37.0
6949	M1O	04-365/14:16:24.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-365/13:57:38.0
6950	M1O	04-365/14:16:24.9		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-365/13:57:38.0
6951	M1O	04-365/14:26:23.9		GV: GV_DESAT_ACTIVE = 0		04-365/14:07:37.0
6952	M1O	04-365/14:26:24.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-365/14:07:38.0
6953	M1O	04-365/14:26:25.9		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-365/14:07:39.0
6954	M1O	04-365/14:26:26.9		CALL, Engine = , Parameters =	unpark_hga	04-365/14:07:40.0
6955	M1O	04-365/14:26:26.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-365/14:07:40.0
6956	M1O	04-365/14:26:27.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-365/14:07:41.0
6957	M1O	04-365/14:29:23.7		NOTE: Enter Planetary Atmosphere 13508		04-365/14:10:36.7
6958	M1O	04-365/14:30:57.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-365/14:12:11.0
6959	M1O	04-365/14:30:58.9		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-365/14:12:12.0
6960	M1O	04-365/14:31:22.7		NOTE: Enter Earth Occultation 13508		04-365/14:12:35.7
6961	M1O	04-365/14:34:58.9		NOTE: EXIT HGA PARK		
6962	M1O	04-365/14:43:01.4		NOTE: Ascending Node Crossing 13508		04-365/14:24:14.5
6963	M1O	04-365/14:45:23.4		SPAWN, Engine = 65535, Parameters = 00:07:31.855	cstr	04-365/14:26:36.5
6964	M1O	04-365/14:45:23.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-365/14:26:36.6
6965	M1O	04-365/14:45:24.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-365/14:26:37.6
6966	M1O	04-365/14:45:25.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-365/14:26:38.6
6967	M1O	04-365/14:45:26.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-365/14:26:39.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6968	M1O	04-365/14:45:27.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-365/14:26:40.6
6969	M1O	04-365/14:45:37.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-365/14:26:50.6
6970	M1O	04-365/14:45:47.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-365/14:27:00.6
6971	M1O	04-365/14:45:48.4		NOTE: Exit Earth Occultation 13508		04-365/14:27:01.5
6972	M1O	04-365/14:45:48.4	26	Acquisition Of X-Band Signal		
6973	M1O	04-365/14:45:48.4	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6974	M1O	04-365/14:46:19.9	26	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6975	M1O	04-365/14:47:44.0		NOTE: Exit Planetary Atmosphere 13508		04-365/14:28:57.1
6976	M1O	04-365/14:53:19.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-365/14:34:32.4
6977	M1O	04-365/14:53:20.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-365/14:34:33.4
6978	M1O	04-365/14:53:20.3	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6979	M1O	04-365/14:53:21.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-365/14:34:34.4
6980	M1O	04-365/15:00:00.0	43	Begin Pre-Cal		
6981	M1O	04-365/15:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6982	M1O	04-365/15:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6983	M1O	04-365/15:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6984	M1O	04-365/15:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6985	M1O	04-365/15:00:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
6986	M1O	04-365/15:00:00.0	43	Config: RCV: Parms:		
6987	M1O	04-365/15:00:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
6988	M1O	04-365/15:00:00.0	43	Config: TGC: BAND=X, SR=238896.000000		
6989	M1O	04-365/15:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
6990	M1O	04-365/15:12:56.8		NOTE: North Pole Crossing 13508		04-365/14:54:09.9
6991	M1O	04-365/15:14:49.2		NOTE: Apoapsis 13508 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7015	M1O	04-365/16:49:55.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-365/16:31:08.4
7016	M1O	04-365/16:49:55.1	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7017	M1O	04-365/16:49:56.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-365/16:31:09.4
7018	M1O	04-365/17:00:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
7019	M1O	04-365/17:10:00.0	26	Range Modulation Off		
7020	M1O	04-365/17:11:27.8		NOTE: North Pole Crossing 13509		04-365/16:52:41.2
7021	M1O	04-365/17:13:33.7		NOTE: Apoapsis 13509 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
7053	M1O	04-365/18:27:25.2	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7054	M1O	04-365/18:27:26.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-365/18:08:39.8
7055	M1O	04-365/18:28:25.1		NOTE: Enter Earth Occultation 13510		04-365/18:09:38.7
7056	M1O	04-365/18:28:25.1	43	NOTE: Loss Of X-Band Signal		
7057	M1O	04-365/18:40:02.1		NOTE: Ascending Node Crossing 13510		04-365/18:21:15.7
7058	M1O	04-365/18:42:51.9		NOTE: Exit Earth Occultation 13510		04-365/18:24:05.5
7059	M1O	04-365/18:42:51.9	43	Acquisition Of X-Band Signal		
7060	M1O	04-365/18:42:51.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7061	M1O	04-365/18:44:47.4		NOTE: Exit Planetary Atmosphere 13510		04-365/18:26:01.0
7062	M1O	04-365/18:47:51.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-365/18:29:05.6
7063	M1O	04-365/18:47:51.9	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7064	M1O	04-365/18:47:52.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-365/18:29:06.6
7065	M1O	04-365/19:09:58.0		NOTE: North Pole Crossing 13510		04-365/18:51:11.6
7066	M1O	04-365/19:11:45.7		NOTE: Apoapsis 13510 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7094	M1O	04-365/22:24:36.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-365/22:05:50.7
7095	M1O	04-365/22:25:35.5		NOTE: Enter Earth Occultation 13512		04-365/22:06:49.6
7096	M1O	04-365/22:25:35.5	43	NOTE: Loss Of X-Band Signal		
7097	M1O	04-365/22:37:09.9		NOTE: Ascending Node Crossing 13512		04-365/22:18:24.0
7098	M1O	04-365/22:39:57.0		NOTE: Exit Earth Occultation 13512		04-365/22:21:11.1
7099	M1O	04-365/22:39:57.0	43	Acquisition Of X-Band Signal		
7100	M1O	04-365/22:39:57.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7101	M1O	04-365/22:41:52.9		NOTE: Exit Planetary Atmosphere 13512		04-365/22:23:07.1
7102	M1O	04-365/22:44:57.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-365/22:26:11.2
7103	M1O	04-365/22:44:57.1	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7104	M1O	04-365/22:44:58.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-365/22:26:12.2
7105	M1O	04-365/23:07:06.3		NOTE: North Pole Crossing 13512		04-365/22:48:20.5
7106	M1O	04-365/23:09:01.1		NOTE: Apoapsis 13512 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
7136	M1O	04-366/02:22:43.4		NOTE: Enter Earth Occultation 13514		04-366/02:03:58.0
7137	M1O	04-366/02:22:43.4	43	NOTE: Loss Of X-Band Signal		
7138	M1O	04-366/02:34:20.3		NOTE: Ascending Node Crossing 13514		04-366/02:15:34.9
7139	M1O	04-366/02:37:15.4		NOTE: Exit Earth Occultation 13514		04-366/02:18:30.0
7140	M1O	04-366/02:37:15.4	43	Acquisition Of X-Band Signal		
7141	M1O	04-366/02:37:15.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7142	M1O	04-366/02:39:10.2		NOTE: Exit Planetary Atmosphere 13514		04-366/02:20:24.9
7143	M1O	04-366/02:42:15.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-366/02:23:30.1
7144	M1O	04-366/02:42:15.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7145	M1O	04-366/02:42:16.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-366/02:23:31.1
7146	M1O	04-366/03:04:16.1		NOTE: North Pole Crossing 13514		04-366/02:45:30.9
7147	M1O	04-366/03:06:40.6		NOTE: Apoapsis 13514 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7180	M1O	04-366/05:48:57.2		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	04-366/05:30:12.3
7181	M1O	04-366/05:48:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-366/05:30:14.4
7182	M1O	04-366/05:48:59.3	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7183	M1O	04-366/05:49:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-366/05:30:15.4
7184	M1O	04-366/05:50:00.0	43	End Tracking		
7185	M1O	04-366/05:50:00.0	63	Begin Tracking		
7186	M1O	04-366/05:50:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7187	M1O	04-366/05:54:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-366/05:36:14.4
7188	M1O	04-366/05:54:59.3	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7189	M1O	04-366/05:55:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-366/05:36:15.4
7190	M1O	04-366/06:02:06.6		NOTE: South Pole Crossing 13516		04-366/05:43:21.7
7191	M1O	04-366/06:03:24.9		NOTE: Periapsis 13516 ----------		04-366/05:44:40.0
7192	M1O	04-366/06:03:27.0	63	NOTE: Above Uplink Interlock Limit		
7193	M1O	04-366/06:05:00.0	43	End Post-Cal		
7194	M1O	04-366/06:17:50.7		NOTE: Enter Planetary Atmosphere 13516		04-366/05:59:05.9
7195	M1O	04-366/06:18:47.0		SPAWN, Engine = 65535, Parameters = 00:20:32.455	dpt	04-366/06:00:02.2
7196	M1O	04-366/06:18:49.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-366/06:00:04.3
7197	M1O	04-366/06:18:49.1	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7198	M1O	04-366/06:18:50.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-366/06:00:05.3
7199	M1O	04-366/06:19:49.0		NOTE: Enter Earth Occultation 13516		04-366/06:01:04.2
7200	M1O	04-366/06:19:49.0	63	NOTE: Loss Of X-Band Signal		
7201	M1O	04-366/06:31:22.7		NOTE: Ascending Node Crossing 13516		04-366/06:12:37.9
7202	M1O	04-366/06:34:21.5		NOTE: Exit Earth Occultation 13516		04-366/06:15:36.7
7203	M1O	04-366/06:34:21.5	63	Acquisition Of X-Band Signal		
7204	M1O	04-366/06:34:21.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7205	M1O	04-366/06:36:16.4		NOTE: Exit Planetary Atmosphere 13516		04-366/06:17:31.6
7206	M1O	04-366/06:39:21.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-366/06:20:36.8
7207	M1O	04-366/06:39:21.6	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7208	M1O	04-366/06:39:22.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-366/06:20:37.8
7209	M1O	04-366/07:01:17.9		NOTE: North Pole Crossing 13516		04-366/06:42:33.2
7210	M1O	04-366/07:03:22.9		NOTE: Apoapsis 13516 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]		
7219	M1O	04-366/07:20:30.9		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-366/07:01:46.2
7220	M1O	04-366/07:20:50.9		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-366/07:02:06.2
7221	M1O	04-366/07:21:00.9		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-366/07:02:16.2
7222	M1O	04-366/07:21:20.9		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-366/07:02:36.2
7223	M1O	04-366/07:21:30.9		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-366/07:02:46.2
7224	M1O	04-366/07:21:35.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-366/07:02:51.2
7225	M1O	04-366/07:21:40.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-366/07:02:56.2
7226	M1O	04-366/07:21:45.9		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-366/07:03:01.2
7227	M1O	04-366/07:21:50.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-366/07:03:06.2
7228	M1O	04-366/07:21:55.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-366/07:03:11.2
7229	M1O	04-366/07:22:35.9		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-366/07:03:51.2
7230	M1O	04-366/07:22:40.9		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-366/07:03:56.2
7231	M1O	04-366/07:22:45.9		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-366/07:04:01.2
7232	M1O	04-366/07:22:50.9		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-366/07:04:06.2
7233	M1O	04-366/07:22:55.8		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-366/07:04:11.2
7234	M1O	04-366/07:22:56.8		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-366/07:04:12.2
7235	M1O	04-366/07:22:57.8		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-366/07:04:13.2
7236	M1O	04-366/07:22:58.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-366/07:04:14.2
7237	M1O	04-366/07:23:09.8		NOTE: End Block fsw_diag.mod		04-366/07:04:25.2
7238	M1O	04-366/07:31:16.7		NOTE: Descending Node Crossing 13517		04-366/07:12:32.0
7239	M1O	04-366/08:00:37.0		NOTE: South Pole Crossing 13517		04-366/07:41:52.4
7240	M1O	04-366/08:01:52.3		NOTE: Periapsis 13517		04-366/07:43:07.7

7241	M1O	04-366/08:16:23.5		NOTE: Enter Planetary Atmosphere 13517		04-366/07:57:38.9
7242	M1O	04-366/08:17:19.9		SPAWN, Engine = 65535, Parameters = 00:20:29.933	dpt	04-366/07:58:35.3
7243	M1O	04-366/08:17:22.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-366/07:58:37.4
7244	M1O	04-366/08:17:22.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7245	M1O	04-366/08:17:23.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-366/07:58:38.4
7246	M1O	04-366/08:18:21.9		NOTE: Enter Earth Occultation 13517		04-366/07:59:37.3
7247	M1O	04-366/08:18:21.9	63	NOTE: Loss Of X-Band Signal		
7248	M1O	04-366/08:29:54.3		NOTE: Ascending Node Crossing 13517		04-366/08:11:09.7
7249	M1O	04-366/08:32:51.8		NOTE: Exit Earth Occultation 13517		04-366/08:14:07.2
7250	M1O	04-366/08:32:51.8	63	Acquisition Of X-Band Signal		
7251	M1O	04-366/08:32:51.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7252	M1O	04-366/08:34:46.7		NOTE: Exit Planetary Atmosphere 13517		04-366/08:16:02.2
7253	M1O	04-366/08:37:51.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-366/08:19:07.3
7254	M1O	04-366/08:37:51.9	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7255	M1O	04-366/08:37:52.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-366/08:19:08.3
7256	M1O	04-366/08:59:50.6		NOTE: North Pole Crossing 13517		04-366/08:41:06.1
7257	M1O	04-366/09:02:01.0		NOTE: Apoapsis 13517 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7264	M1O	04-366/10:14:54.7		NOTE: Enter Planetary Atmosphere 13518		04-366/09:56:10.4
7265	M1O	04-366/10:15:50.7		SPAWN, Engine = 65535, Parameters = 00:21:04.558	dpt	04-366/09:57:06.4
7266	M1O	04-366/10:15:52.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-366/09:57:08.5
7267	M1O	04-366/10:15:52.8	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7268	M1O	04-366/10:15:53.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-366/09:57:09.5
7269	M1O	04-366/10:16:52.7		NOTE: Enter Earth Occultation 13518		04-366/09:58:08.4
7270	M1O	04-366/10:16:52.7	63	NOTE: Loss Of X-Band Signal		
7271	M1O	04-366/10:28:28.4		NOTE: Ascending Node Crossing 13518		04-366/10:09:44.1
7272	M1O	04-366/10:31:26.2		NOTE: Exit Earth Occultation 13518		04-366/10:12:41.9
7273	M1O	04-366/10:31:26.2	63	Acquisition Of X-Band Signal		
7274	M1O	04-366/10:31:26.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7275	M1O	04-366/10:31:56.6	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7276	M1O	04-366/10:33:20.6		NOTE: Exit Planetary Atmosphere 13518		04-366/10:14:36.4
7277	M1O	04-366/10:36:57.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-366/10:18:13.0
7278	M1O	04-366/10:36:57.3	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7279	M1O	04-366/10:36:58.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-366/10:18:14.0
7280	M1O	04-366/10:58:25.8		NOTE: North Pole Crossing 13518		04-366/10:39:41.6
7281	M1O	04-366/11:00:30.0		NOTE: Apoapsis 13518 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7310	M1O	04-366/12:15:27.3		NOTE: Enter Earth Occultation 13519		04-366/11:56:43.2
7311	M1O	04-366/12:15:27.3	63	NOTE: Loss Of X-Band Signal		
7312	M1O	04-366/12:27:04.1		NOTE: Ascending Node Crossing 13519		04-366/12:08:20.1
7313	M1O	04-366/12:29:12.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7314	M1O	04-366/12:30:03.3		NOTE: Exit Earth Occultation 13519		04-366/12:11:19.3
7315	M1O	04-366/12:30:03.3	63	Acquisition Of X-Band Signal		
7316	M1O	04-366/12:30:03.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7317	M1O	04-366/12:30:34.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7318	M1O	04-366/12:31:57.5		NOTE: Exit Planetary Atmosphere 13519		04-366/12:13:13.5
7319	M1O	04-366/12:35:35.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-366/12:16:51.8
7320	M1O	04-366/12:35:35.8	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7321	M1O	04-366/12:35:36.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-366/12:16:52.8
7322	M1O	04-366/12:39:12.0	63	Range Modulation Off		
7323	M1O	04-366/12:44:12.0	63	X-Band Transmitter Off		
7324	M1O	04-366/12:57:01.5		NOTE: North Pole Crossing 13519		04-366/12:38:17.6
7325	M1O	04-366/12:58:52.6		NOTE: Apoapsis 13519 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7350	M1O	04-366/13:20:57.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-366/13:02:14.1
7351	M1O	04-366/13:20:58.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-366/13:02:15.1
7352	M1O	04-366/13:20:59.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-366/13:02:16.1
7353	M1O	04-366/13:20:59.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-366/13:02:16.1
7354	M1O	04-366/13:20:59.9		NOTE: START HGA PARK		
7355	M1O	04-366/13:20:59.9	14	NOTE: Loss Of X-Band Signal		
7356	M1O	04-366/13:20:59.9	63	NOTE: Loss Of X-Band Signal		
7357	M1O	04-366/13:21:00.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-366/13:02:17.1
7358	M1O	04-366/13:21:01.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-366/13:02:18.1
7359	M1O	04-366/13:24:56.0	63	NOTE: Below Uplink Interlock Limit		
7360	M1O	04-366/13:25:31.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-366/13:06:48.1
7361	M1O	04-366/13:27:02.6		NOTE: Descending Node Crossing 13520		04-366/13:08:18.7
7362	M1O	04-366/13:29:01.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-366/13:10:18.1
7363	M1O	04-366/13:29:01.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-366/13:10:18.1
7364	M1O	04-366/13:40:00.0	63	End Tracking		
7365	M1O	04-366/13:51:45.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7366	M1O	04-366/13:55:00.0	63	End Post-Cal		
7367	M1O	04-366/13:56:23.1		NOTE: South Pole Crossing 13520		04-366/13:37:39.3
7368	M1O	04-366/13:56:45.0	14	Range Modulation On: SUP=3.0dB		
7369	M1O	04-366/13:57:41.0		NOTE: Periapsis 13520		04-366/13:38:57.2

7370	M1O	04-366/13:57:45.0	14	Begin Ranging Acquisition		
7371	M1O	04-366/13:59:01.8		GV: GV_DESAT_ACTIVE = 1		04-366/13:40:18.0
7372	M1O	04-366/13:59:02.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-366/13:40:19.0
7373	M1O	04-366/13:59:02.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-366/13:40:19.0
7374	M1O	04-366/14:09:01.7		GV: GV_DESAT_ACTIVE = 0		04-366/13:50:18.0
7375	M1O	04-366/14:09:02.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-366/13:50:19.0
7376	M1O	04-366/14:09:03.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-366/13:50:20.0
7377	M1O	04-366/14:09:04.7		CALL, Engine = , Parameters =	unpark_hga	04-366/13:50:21.0
7378	M1O	04-366/14:09:04.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-366/13:50:21.0
7379	M1O	04-366/14:09:05.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-366/13:50:22.0
7380	M1O	04-366/14:12:08.4		NOTE: Enter Planetary Atmosphere 13520		04-366/13:53:24.6
7381	M1O	04-366/14:13:35.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-366/13:54:52.0
7382	M1O	04-366/14:13:36.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-366/13:54:53.0
7383	M1O	04-366/14:14:06.3		NOTE: Enter Earth Occultation 13520		04-366/13:55:22.5
7384	M1O	04-366/14:17:36.7		NOTE: EXIT HGA PARK		
7385	M1O	04-366/14:25:39.9		NOTE: Ascending Node Crossing 13520		04-366/14:06:56.1
7386	M1O	04-366/14:28:16.2		SPAWN, Engine = 65535, Parameters = 00:07:31.643	cstr	04-366/14:09:32.5
7387	M1O	04-366/14:28:16.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-366/14:09:32.6
7388	M1O	04-366/14:28:17.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-366/14:09:33.6
7389	M1O	04-366/14:28:18.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-366/14:09:34.6
7390	M1O	04-366/14:28:19.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-366/14:09:35.6
7391	M1O	04-366/14:28:20.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry	XMIT_SELECT	04-366/14:09:36.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				when transmitting through the x-band.: HGA		
7392	M1O	04-366/14:28:30.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-366/14:09:46.6
7393	M1O	04-366/14:28:40.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-366/14:09:56.6
7394	M1O	04-366/14:28:41.2		NOTE: Exit Earth Occultation 13520		04-366/14:09:57.5
7395	M1O	04-366/14:28:41.2	14	Acquisition Of X-Band Signal		
7396	M1O	04-366/14:28:41.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7397	M1O	04-366/14:29:12.6	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7398	M1O	04-366/14:30:35.7		NOTE: Exit Planetary Atmosphere 13520		04-366/14:11:51.9
7399	M1O	04-366/14:36:12.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-366/14:17:28.2
7400	M1O	04-366/14:36:13.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-366/14:17:29.2
7401	M1O	04-366/14:36:13.0	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7402	M1O	04-366/14:36:14.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-366/14:17:30.2
7403	M1O	04-366/14:55:36.3		NOTE: North Pole Crossing 13520		04-366/14:36:52.6
7404	M1O	04-366/14:57:16.8		NOTE: Apoapsis 13520 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7436	M1O	04-366/17:24:07.3		NOTE: Descending Node Crossing 13522		04-366/17:05:23.9
7437	M1O	04-366/17:31:24.5		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	04-366/17:12:41.1
7438	M1O	04-366/17:31:26.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-366/17:12:43.2
7439	M1O	04-366/17:31:26.6	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7440	M1O	04-366/17:31:27.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-366/17:12:44.2
7441	M1O	04-366/17:32:25.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7442	M1O	04-366/17:37:26.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-366/17:18:43.2
7443	M1O	04-366/17:37:26.5	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7444	M1O	04-366/17:37:27.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-366/17:18:44.2
7445	M1O	04-366/17:53:26.9		NOTE: South Pole Crossing 13522		04-366/17:34:43.6
7446	M1O	04-366/17:54:45.9		NOTE: Periapsis 13522 ----------		04-366/17:36:02.6
7447	M1O	04-366/18:09:15.8		NOTE: Enter Planetary Atmosphere 13522		04-366/17:50:32.6
7448	M1O	04-366/18:10:12.5		SPAWN, Engine = 65535, Parameters = 00:20:35.260	dpt	04-366/17:51:29.3
7449	M1O	04-366/18:10:14.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-366/17:51:31.4
7450	M1O	04-366/18:10:14.6	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7451	M1O	04-366/18:10:15.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-366/17:51:32.4
7452	M1O	04-366/18:11:13.7		NOTE: Enter Earth Occultation 13522		04-366/17:52:30.4
7453	M1O	04-366/18:11:13.7	14	NOTE: Loss Of X-Band Signal		
7454	M1O	04-366/18:22:43.1		NOTE: Ascending Node Crossing 13522		04-366/18:03:59.9
7455	M1O	04-366/18:25:49.7		NOTE: Exit Earth Occultation 13522		04-366/18:07:06.5
7456	M1O	04-366/18:25:49.7	14	Acquisition Of X-Band Signal		
7457	M1O	04-366/18:25:49.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7458	M1O	04-366/18:27:44.1		NOTE: Exit Planetary Atmosphere 13522		04-366/18:09:00.9
7459	M1O	04-366/18:30:49.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-366/18:12:06.6
7460	M1O	04-366/18:30:49.8	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7461	M1O	04-366/18:30:50.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-366/18:12:07.6
7462	M1O	04-366/18:52:38.7		NOTE: North Pole Crossing 13522		04-366/18:33:55.6
7463	M1O	04-366/18:54:29.5		NOTE: Apoapsis 13522 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7477	M1O	04-366/20:24:17.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7478	M1O	04-366/20:26:12.1		NOTE: Exit Planetary Atmosphere 13523		04-366/20:07:29.1
7479	M1O	04-366/20:29:17.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-366/20:10:34.7
7480	M1O	04-366/20:29:17.6	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7481	M1O	04-366/20:29:18.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-366/20:10:35.7
7482	M1O	04-366/20:51:10.3		NOTE: North Pole Crossing 13523		04-366/20:32:27.4
7483	M1O	04-366/20:52:40.4		NOTE: Apoapsis 13523 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7518	M1O	04-366/22:08:20.7		NOTE: Enter Earth Occultation 13524		04-366/21:49:37.9
7519	M1O	04-366/22:19:48.2		NOTE: Ascending Node Crossing 13524		04-366/22:01:05.5
7520	M1O	04-366/22:22:50.9		NOTE: Exit Earth Occultation 13524		04-366/22:04:08.2
7521	M1O	04-366/22:24:45.8		NOTE: Exit Planetary Atmosphere 13524		04-366/22:06:03.1
7522	M1O	04-366/22:49:44.9		NOTE: North Pole Crossing 13524		04-366/22:31:02.3
7523	M1O	04-366/22:51:24.7		NOTE: Apoapsis 13524 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				-		
7561	M1O	05-001/01:12:36.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
7562	M1O	05-001/01:18:20.8		NOTE: Descending Node Crossing 13526		05-001/00:59:38.5
7563	M1O	05-001/01:27:36.0	43	X-Band Transmitter Off		
7564	M1O	05-001/01:43:16.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7565	M1O	05-001/01:47:42.4		NOTE: South Pole Crossing 13526		05-001/01:29:00.2
7566	M1O	05-001/01:49:27.0		NOTE: Periapsis 13526		05-001/01:30:44.7

7567	M1O	05-001/02:03:33.7		NOTE: Enter Planetary Atmosphere 13526		05-001/01:44:51.5
7568	M1O	05-001/02:03:58.7		SPAWN, Engine = 65535, Parameters = 00:21:40	dpt	05-001/01:45:16.5
7569	M1O	05-001/02:04:00.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-001/01:45:18.6
7570	M1O	05-001/02:04:00.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7571	M1O	05-001/02:04:01.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-001/01:45:19.6
7572	M1O	05-001/02:05:00.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7573	M1O	05-001/02:05:31.0		NOTE: Enter Earth Occultation 13526		05-001/01:46:48.8
7574	M1O	05-001/02:05:31.0	43	NOTE: Loss Of X-Band Signal		
7575	M1O	05-001/02:16:59.8		NOTE: Ascending Node Crossing 13526		05-001/01:58:17.6
7576	M1O	05-001/02:20:09.3		NOTE: Exit Earth Occultation 13526		05-001/02:01:27.1
7577	M1O	05-001/02:20:09.3	43	Acquisition Of X-Band Signal		
7578	M1O	05-001/02:20:09.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7579	M1O	05-001/02:20:40.4	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7580	M1O	05-001/02:22:03.3		NOTE: Exit Planetary Atmosphere 13526		05-001/02:03:21.2
7581	M1O	05-001/02:25:40.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-001/02:06:58.6
7582	M1O	05-001/02:25:40.7	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7583	M1O	05-001/02:25:41.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-001/02:06:59.6
7584	M1O	05-001/02:46:55.9		NOTE: North Pole Crossing 13526		05-001/02:28:13.8
7585	M1O	05-001/02:49:22.9		NOTE: Apoapsis 13526 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
7607	M1O	05-001/04:02:32.5	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7608	M1O	05-001/04:02:33.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-001/03:43:51.6
7609	M1O	05-001/04:03:31.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7610	M1O	05-001/04:04:02.5		NOTE: Enter Earth Occultation 13527		05-001/03:45:20.6
7611	M1O	05-001/04:04:02.5	43	NOTE: Loss Of X-Band Signal		
7612	M1O	05-001/04:15:32.7		NOTE: Ascending Node Crossing 13527		05-001/03:56:50.9
7613	M1O	05-001/04:18:46.6		NOTE: Exit Earth Occultation 13527		05-001/04:00:04.7
7614	M1O	05-001/04:18:46.6	43	Acquisition Of X-Band Signal		
7615	M1O	05-001/04:18:46.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7616	M1O	05-001/04:20:40.1		NOTE: Exit Planetary Atmosphere 13527		05-001/04:01:58.2
7617	M1O	05-001/04:23:46.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-001/04:05:04.8
7618	M1O	05-001/04:23:46.7	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7619	M1O	05-001/04:23:47.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-001/04:05:05.8
7620	M1O	05-001/04:45:28.7		NOTE: North Pole Crossing 13527		05-001/04:26:46.9
7621	M1O	05-001/04:47:42.7		NOTE: Apoapsis 13527 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
7651	M1O	05-001/06:41:23.4	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7652	M1O	05-001/06:41:24.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-001/06:22:42.8
7653	M1O	05-001/06:42:23.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7654	M1O	05-001/06:43:59.0		NOTE: North Pole Crossing 13528		05-001/06:25:17.4
7655	M1O	05-001/06:45:57.6		NOTE: Apoapsis 13528 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7693	M1O	05-001/07:44:30.3		NOTE: Periapsis 13529 ----------		05-001/07:25:48.9
7694	M1O	05-001/07:44:58.0	63	Begin Ranging Acquisition		
7695	M1O	05-001/07:59:12.0		NOTE: Enter Planetary Atmosphere 13529		05-001/07:40:30.6
7696	M1O	05-001/07:59:37.1		SPAWN, Engine = 65535, Parameters = 00:21:42	dpt	05-001/07:40:55.7
7697	M1O	05-001/07:59:39.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-001/07:40:57.8
7698	M1O	05-001/07:59:39.2	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7699	M1O	05-001/07:59:40.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-001/07:40:58.8
7700	M1O	05-001/08:00:38.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7701	M1O	05-001/08:01:09.3		NOTE: Enter Earth Occultation 13529		05-001/07:42:27.9
7702	M1O	05-001/08:01:09.3	63	NOTE: Loss Of X-Band Signal		
7703	M1O	05-001/08:12:34.4		NOTE: Ascending Node Crossing 13529		05-001/07:53:53.0
7704	M1O	05-001/08:15:49.1		NOTE: Exit Earth Occultation 13529		05-001/07:57:07.8
7705	M1O	05-001/08:15:49.1	63	Acquisition Of X-Band Signal		
7706	M1O	05-001/08:15:49.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7707	M1O	05-001/08:16:20.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7708	M1O	05-001/08:17:42.9		NOTE: Exit Planetary Atmosphere 13529		05-001/07:59:01.6
7709	M1O	05-001/08:21:21.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-001/08:02:39.8
7710	M1O	05-001/08:21:21.1	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7711	M1O	05-001/08:21:22.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-001/08:02:40.8
7712	M1O	05-001/08:42:30.0		NOTE: North Pole Crossing 13529		05-001/08:23:48.7
7713	M1O	05-001/08:44:32.5		NOTE: Apoapsis 13529 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7734	M1O	05-001/09:58:09.1	63	NOTE: Loss Of X-Band Signal		
7735	M1O	05-001/09:59:41.4		NOTE: Enter Earth Occultation 13530		05-001/09:41:00.3
7736	M1O	05-001/10:01:29.1		NOTE: EXIT HGA KEEP OUT ZONE		
7737	M1O	05-001/10:11:07.1		NOTE: Ascending Node Crossing 13530		05-001/09:52:26.0
7738	M1O	05-001/10:14:21.1		NOTE: Exit Earth Occultation 13530		05-001/09:55:40.0
7739	M1O	05-001/10:14:21.1	63	Acquisition Of X-Band Signal		
7740	M1O	05-001/10:14:21.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7741	M1O	05-001/10:16:14.8		NOTE: Exit Planetary Atmosphere 13530		05-001/09:57:33.7
7742	M1O	05-001/10:19:21.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-001/10:00:40.1
7743	M1O	05-001/10:19:21.1	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7744	M1O	05-001/10:19:22.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-001/10:00:41.1
7745	M1O	05-001/10:41:04.1		NOTE: North Pole Crossing 13530		05-001/10:22:23.1
7746	M1O	05-001/10:43:05.6		NOTE: Apoapsis 13530 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7779	M1O	05-001/12:52:04.7		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	05-001/12:33:24.0
7780	M1O	05-001/12:52:04.8		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	05-001/12:33:24.1
7781	M1O	05-001/12:52:05.8		Forces a desaturation of the reaction wheels.	RW_DESAT	05-001/12:33:25.1
7782	M1O	05-001/12:52:27.7		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	05-001/12:33:47.0
7783	M1O	05-001/12:52:43.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-365T12:33:47.200, 2005-001T12:33:47.200	PCKTS_RE_TX_TIME	05-001/12:34:02.8
7784	M1O	05-001/12:52:44.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-365T12:33:47.200, 2005-001T12:33:47.200	PCKTS_RE_TX_TIME	05-001/12:34:03.8
7785	M1O	05-001/12:52:45.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-365T12:33:47.200, 2005-001T12:33:47.200	PCKTS_RE_TX_TIME	05-001/12:34:04.8
7786	M1O	05-001/12:52:46.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-365T12:33:47.200, 2005-001T12:33:47.200	PCKTS_RE_TX_TIME	05-001/12:34:05.8
7787	M1O	05-001/12:52:47.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-365T12:33:47.200, 2005-001T12:33:47.200	PCKTS_RE_TX_TIME	05-001/12:34:06.8
7788	M1O	05-001/12:52:48.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-365T12:33:47.200, 2005-001T12:33:47.200	PCKTS_RE_TX_TIME	05-001/12:34:07.8
7789	M1O	05-001/12:52:48.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	05-001/12:34:07.8
7790	M1O	05-001/12:52:48.5	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7791	M1O	05-001/13:02:49.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-001/12:44:08.8
7792	M1O	05-001/13:02:49.5	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7793	M1O	05-001/13:02:50.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-001/12:44:09.8
7794	M1O	05-001/13:03:06.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-001/12:44:25.8
7795	M1O	05-001/13:03:06.5	63	D/L RF Warning: SC antenna change - expect signal level variation		
7796	M1O	05-001/13:03:07.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-001/12:44:26.8
7797	M1O	05-001/13:03:35.8		CALL, Engine = , Parameters = FALSE	park_hga	05-001/12:44:55.1
7798	M1O	05-001/13:03:35.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-001/12:44:55.1
7799	M1O	05-001/13:03:36.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-001/12:44:56.1
7800	M1O	05-001/13:03:37.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-001/12:44:57.1
7801	M1O	05-001/13:03:37.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-001/12:44:57.1
7802	M1O	05-001/13:03:37.8		NOTE: START HGA PARK		
7803	M1O	05-001/13:03:37.8	63	NOTE: Loss Of X-Band Signal		
7804	M1O	05-001/13:03:38.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-001/12:44:58.1
7805	M1O	05-001/13:03:39.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-001/12:44:59.1
7806	M1O	05-001/13:05:00.0	15	Begin Tracking		
7807	M1O	05-001/13:08:09.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	05-001/12:49:29.1
7808	M1O	05-001/13:09:40.8		NOTE: Descending Node Crossing 13532		05-001/12:51:00.1
7809	M1O	05-001/13:11:39.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-001/12:52:59.1
7810	M1O	05-001/13:11:39.7		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	05-001/12:52:59.1
7811	M1O	05-001/13:15:41.0	15	NOTE: Above Uplink Interlock Limit		
7812	M1O	05-001/13:19:59.8		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		05-001/13:01:19.1
7813	M1O	05-001/13:19:59.8		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	05-001/13:01:19.1
7814	M1O	05-001/13:20:00.0	63	End Tracking		
7815	M1O	05-001/13:35:00.0	63	End Post-Cal		
7816	M1O	05-001/13:39:01.1		NOTE: South Pole Crossing 13532		05-001/13:20:20.5
7817	M1O	05-001/13:40:15.4		NOTE: Periapsis 13532		05-001/13:21:34.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7818	M1O	05-001/13:41:39.6		GV: GV_DESAT_ACTIVE = 1		05-001/13:22:59.0
7819	M1O	05-001/13:41:40.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	05-001/13:23:00.0
7820	M1O	05-001/13:41:40.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	05-001/13:23:00.0
7821	M1O	05-001/13:51:39.5		GV: GV_DESAT_ACTIVE = 0		05-001/13:32:59.0
7822	M1O	05-001/13:51:40.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	05-001/13:33:00.0
7823	M1O	05-001/13:51:41.5		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	05-001/13:33:01.0
7824	M1O	05-001/13:51:42.5		CALL, Engine = , Parameters =	unpark_hga	05-001/13:33:02.0
7825	M1O	05-001/13:51:42.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-001/13:33:02.0
7826	M1O	05-001/13:51:43.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-001/13:33:03.0
7827	M1O	05-001/13:54:54.0		NOTE: Enter Planetary Atmosphere 13532		05-001/13:36:13.4
7828	M1O	05-001/13:55:20.5		NOTE: ENTER HGA KEEP OUT ZONE		
7829	M1O	05-001/13:56:13.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	05-001/13:37:33.0
7830	M1O	05-001/13:56:14.5		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	05-001/13:37:34.0
7831	M1O	05-001/13:56:50.8		NOTE: Enter Earth Occultation 13532		05-001/13:38:10.2
7832	M1O	05-001/13:59:00.5		NOTE: EXIT HGA KEEP OUT ZONE		
7833	M1O	05-001/14:00:14.5		NOTE: EXIT HGA PARK		
7834	M1O	05-001/14:08:18.1		NOTE: Ascending Node Crossing 13532		05-001/13:49:37.5
7835	M1O	05-001/14:11:09.6		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	05-001/13:52:29.0
7836	M1O	05-001/14:11:09.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-001/13:52:29.1
7837	M1O	05-001/14:11:10.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-001/13:52:30.1
7838	M1O	05-001/14:11:11.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-001/13:52:31.1
7839	M1O	05-001/14:11:12.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-001/13:52:32.1
7840	M1O	05-001/14:11:13.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-001/13:52:33.1
7841	M1O	05-001/14:11:23.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-001/13:52:43.1
7842	M1O	05-001/14:11:33.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-001/13:52:53.1
7843	M1O	05-001/14:11:34.6		NOTE: Exit Earth Occultation 13532		05-001/13:52:54.0
7844	M1O	05-001/14:11:34.6	15	Acquisition Of X-Band Signal		
7845	M1O	05-001/14:11:34.6	15	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7846	M1O	05-001/14:13:27.9		NOTE: Exit Planetary Atmosphere 13532		05-001/13:54:47.3
7847	M1O	05-001/14:18:33.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-001/13:59:53.1
7848	M1O	05-001/14:18:34.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-001/13:59:54.1
7849	M1O	05-001/14:18:34.7	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7850	M1O	05-001/14:18:35.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-001/13:59:55.1
7851	M1O	05-001/14:38:15.0		NOTE: North Pole Crossing 13532		05-001/14:19:34.5
7852	M1O	05-001/14:39:53.5		NOTE: Apoapsis 13532 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7859	M1O	05-001/15:52:56.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-001/15:34:16.1
7860	M1O	05-001/15:53:32.3		NOTE: Enter Planetary Atmosphere 13533		05-001/15:34:52.0
7861	M1O	05-001/15:53:55.3		NOTE: ENTER HGA KEEP OUT ZONE		
7862	M1O	05-001/15:53:55.3	15	NOTE: Loss Of X-Band Signal		
7863	M1O	05-001/15:55:29.2		NOTE: Enter Earth Occultation 13533		05-001/15:36:48.9
7864	M1O	05-001/15:57:35.3		NOTE: EXIT HGA KEEP OUT ZONE		
7865	M1O	05-001/16:06:52.7		NOTE: Ascending Node Crossing 13533		05-001/15:48:12.4
7866	M1O	05-001/16:10:12.2		NOTE: Exit Earth Occultation 13533		05-001/15:51:31.9
7867	M1O	05-001/16:10:12.2	15	Acquisition Of X-Band Signal		
7868	M1O	05-001/16:10:12.2	15	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7869	M1O	05-001/16:12:05.7		NOTE: Exit Planetary Atmosphere 13533		05-001/15:53:25.4
7870	M1O	05-001/16:15:12.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-001/15:56:32.0
7871	M1O	05-001/16:15:12.3	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7872	M1O	05-001/16:15:13.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-001/15:56:33.0
7873	M1O	05-001/16:36:48.5		NOTE: North Pole Crossing 13533		05-001/16:18:08.3
7874	M1O	05-001/16:38:27.4		NOTE: Apoapsis 13533 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7901	M1O	05-001/19:24:07.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-365T19:05:10.200, 2005-001T19:05:10.200	PCKTS_RE_TX_TIME	05-001/19:05:27.8
7902	M1O	05-001/19:24:08.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-365T19:05:10.200, 2005-001T19:05:10.200	PCKTS_RE_TX_TIME	05-001/19:05:28.8
7903	M1O	05-001/19:24:09.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-365T19:05:10.200, 2005-001T19:05:10.200	PCKTS_RE_TX_TIME	05-001/19:05:29.8
7904	M1O	05-001/19:24:10.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-365T19:05:10.200, 2005-001T19:05:10.200	PCKTS_RE_TX_TIME	05-001/19:05:30.8
7905	M1O	05-001/19:24:10.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	05-001/19:05:30.8
7906	M1O	05-001/19:24:10.6	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7907	M1O	05-001/19:34:11.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-001/19:15:31.8
7908	M1O	05-001/19:34:11.6	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7909	M1O	05-001/19:34:12.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-001/19:15:32.8
7910	M1O	05-001/19:34:28.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-001/19:15:48.8
7911	M1O	05-001/19:34:28.6	15	D/L RF Warning: SC antenna change - expect signal level variation		
7912	M1O	05-001/19:34:29.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-001/19:15:49.8
7913	M1O	05-001/19:34:37.2		NOTE: South Pole Crossing 13535		05-001/19:15:57.4
7914	M1O	05-001/19:35:00.0	15	End Tracking		
7915	M1O	05-001/19:35:43.8		NOTE: Periapsis 13535		05-001/19:17:03.9

7916	M1O	05-001/19:50:00.0	15	End Post-Cal		
7917	M1O	05-001/19:50:34.5		NOTE: Enter Planetary Atmosphere 13535		05-001/19:31:54.7
7918	M1O	05-001/19:51:17.7		NOTE: ENTER HGA KEEP OUT ZONE		
7919	M1O	05-001/19:52:31.4		NOTE: Enter Earth Occultation 13535		05-001/19:33:51.6
7920	M1O	05-001/19:54:37.7		NOTE: EXIT HGA KEEP OUT ZONE		
7921	M1O	05-001/20:00:00.0	43	Begin Pre-Cal		
7922	M1O	05-001/20:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7923	M1O	05-001/20:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7924	M1O	05-001/20:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7925	M1O	05-001/20:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7926	M1O	05-001/20:00:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
7927	M1O	05-001/20:00:00.0	43	Config: RCV: Parms:		
7928	M1O	05-001/20:00:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
7929	M1O	05-001/20:00:00.0	43	Config: TGC: BAND=X, SR=238896.000000		
7930	M1O	05-001/20:00:00.0	43	Config: TXL		
7931	M1O	05-001/20:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
7932	M1O	05-001/20:00:00.0	43	Config: CMD		
7933	M1O	05-001/20:00:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
7934	M1O	05-001/20:03:53.4		NOTE: Ascending Node Crossing 13535		05-001/19:45:13.6
7935	M1O	05-001/20:07:15.4		NOTE: Exit Earth Occultation 13535		05-001/19:48:35.6
7936	M1O	05-001/20:09:08.8		NOTE: Exit Planetary Atmosphere 13535		05-001/19:50:29.0
7937	M1O	05-001/20:29:34.7		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	05-001/20:10:55.0
7938	M1O	05-001/20:29:34.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-001/20:10:55.1
7939	M1O	05-001/20:29:35.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-001/20:10:56.1
7940	M1O	05-001/20:29:36.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-001/20:10:57.1
7941	M1O	05-001/20:29:37.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-001/20:10:58.1
7942	M1O	05-001/20:29:38.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-001/20:10:59.1
7943	M1O	05-001/20:29:48.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-001/20:11:09.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7944	M1O	05-001/20:29:58.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-001/20:11:19.1
7945	M1O	05-001/20:29:59.7		NOTE: Changing to 70M downlink rate: 39816_BPS		05-001/20:11:20.0
7946	M1O	05-001/20:29:59.7		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	05-001/20:11:20.0
7947	M1O	05-001/20:30:00.0	43	Begin Tracking		
7948	M1O	05-001/20:30:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7949	M1O	05-001/20:31:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7950	M1O	05-001/20:33:49.7		NOTE: North Pole Crossing 13535		05-001/20:15:10.1
7951	M1O	05-001/20:35:23.1		NOTE: Apoapsis 13535 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7987	M1O	05-001/22:05:44.3	43	Acquisition Of X-Band Signal		
7988	M1O	05-001/22:05:44.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7989	M1O	05-001/22:06:15.0	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7990	M1O	05-001/22:07:38.0		NOTE: Exit Planetary Atmosphere 13536		05-001/21:48:58.6
7991	M1O	05-001/22:11:15.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-001/21:52:36.2
7992	M1O	05-001/22:11:15.7	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7993	M1O	05-001/22:11:16.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-001/21:52:37.2
7994	M1O	05-001/22:32:22.9		NOTE: North Pole Crossing 13536		05-001/22:13:43.5
7995	M1O	05-001/22:33:40.1		NOTE: Apoapsis 13536 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8032	M1O	05-002/01:30:19.8		NOTE: South Pole Crossing 13538		05-002/01:11:40.8
8033	M1O	05-002/01:31:14.0	43	Range Modulation On: SUP=3.0dB		
8034	M1O	05-002/01:31:46.5		NOTE: Periapsis 13538		05-002/01:13:07.5

8035	M1O	05-002/01:32:14.0	43	Begin Ranging Acquisition		
8036	M1O	05-002/01:45:14.3		SPAWN, Engine = 65535, Parameters = 00:23:16	dpt	05-002/01:26:35.3
8037	M1O	05-002/01:45:16.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-002/01:26:37.4
8038	M1O	05-002/01:45:16.4	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8039	M1O	05-002/01:45:17.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-002/01:26:38.4
8040	M1O	05-002/01:46:16.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8041	M1O	05-002/01:46:17.9		NOTE: ENTER HGA KEEP OUT ZONE		
8042	M1O	05-002/01:46:17.9	43	NOTE: Loss Of X-Band Signal		
8043	M1O	05-002/01:46:20.9		NOTE: Enter Planetary Atmosphere 13538		05-002/01:27:41.9
8044	M1O	05-002/01:48:17.6		NOTE: Enter Earth Occultation 13538		05-002/01:29:38.6
8045	M1O	05-002/01:50:37.9		NOTE: EXIT HGA KEEP OUT ZONE		
8046	M1O	05-002/01:59:37.7		NOTE: Ascending Node Crossing 13538		05-002/01:40:58.7
8047	M1O	05-002/02:03:00.9		NOTE: Exit Earth Occultation 13538		05-002/01:44:21.9
8048	M1O	05-002/02:03:00.9	43	Acquisition Of X-Band Signal		
8049	M1O	05-002/02:03:00.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8050	M1O	05-002/02:03:32.0	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8051	M1O	05-002/02:04:54.2		NOTE: Exit Planetary Atmosphere 13538		05-002/01:46:15.2
8052	M1O	05-002/02:08:32.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-002/01:49:53.4
8053	M1O	05-002/02:08:32.3	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8054	M1O	05-002/02:08:33.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-002/01:49:54.4
8055	M1O	05-002/02:29:34.1		NOTE: North Pole Crossing 13538		05-002/02:10:55.2
8056	M1O	05-002/02:31:43.8		NOTE: Apoapsis 13538 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8077	M1O	05-002/04:01:39.6		NOTE: Exit Earth Occultation 13539		05-002/03:43:00.9
8078	M1O	05-002/04:01:39.6	43	Acquisition Of X-Band Signal		
8079	M1O	05-002/04:01:39.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8080	M1O	05-002/04:02:10.4	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8081	M1O	05-002/04:03:32.4		NOTE: Exit Planetary Atmosphere 13539		05-002/03:44:53.7
8082	M1O	05-002/04:07:11.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-002/03:48:32.4
8083	M1O	05-002/04:07:11.0	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8084	M1O	05-002/04:07:12.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-002/03:48:33.4
8085	M1O	05-002/04:28:08.3		NOTE: North Pole Crossing 13539		05-002/04:09:29.7
8086	M1O	05-002/04:30:18.4		NOTE: Apoapsis 13539 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8118	M1O	05-002/06:00:14.5		NOTE: Exit Earth Occultation 13540		05-002/05:41:36.1
8119	M1O	05-002/06:02:07.0		NOTE: Exit Planetary Atmosphere 13540		05-002/05:43:28.6
8120	M1O	05-002/06:05:00.0	43	End Post-Cal		
8121	M1O	05-002/06:05:00.0	63	Begin Pre-Cal		
8122	M1O	05-002/06:05:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8123	M1O	05-002/06:05:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8124	M1O	05-002/06:05:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8125	M1O	05-002/06:05:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8126	M1O	05-002/06:05:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
8127	M1O	05-002/06:05:00.0	63	Config: RCV: Parms:		
8128	M1O	05-002/06:05:00.0	63	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
8129	M1O	05-002/06:05:00.0	63	Config: TGC: BAND=X, SR=238896.000000		
8130	M1O	05-002/06:05:00.0	63	Config: TXL		
8131	M1O	05-002/06:05:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
8132	M1O	05-002/06:05:00.0	63	Config: CMD		
8133	M1O	05-002/06:05:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
8134	M1O	05-002/06:26:39.8		NOTE: North Pole Crossing 13540		05-002/06:08:01.4
8135	M1O	05-002/06:28:30.4		NOTE: Apoapsis 13540 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8164	M1O	05-002/07:25:58.4		NOTE: South Pole Crossing 13541		05-002/07:07:20.1
8165	M1O	05-002/07:27:07.2		NOTE: Periapsis 13541		05-002/07:08:29.0

8166	M1O	05-002/07:41:59.1		NOTE: ENTER HGA KEEP OUT ZONE		
8167	M1O	05-002/07:41:59.7		NOTE: Enter Planetary Atmosphere 13541		05-002/07:23:21.5
8168	M1O	05-002/07:43:55.9		NOTE: Enter Earth Occultation 13541		05-002/07:25:17.7
8169	M1O	05-002/07:46:39.1		NOTE: EXIT HGA KEEP OUT ZONE		
8170	M1O	05-002/07:55:14.5		NOTE: Ascending Node Crossing 13541		05-002/07:36:36.3
8171	M1O	05-002/07:58:45.8		NOTE: Exit Earth Occultation 13541		05-002/07:40:07.6
8172	M1O	05-002/08:00:38.6		NOTE: Exit Planetary Atmosphere 13541		05-002/07:42:00.4
8173	M1O	05-002/08:04:34.7		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	05-002/07:45:56.6
8174	M1O	05-002/08:04:34.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-002/07:45:56.7
8175	M1O	05-002/08:04:35.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-002/07:45:57.7
8176	M1O	05-002/08:04:36.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-002/07:45:58.7
8177	M1O	05-002/08:04:37.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-002/07:45:59.7
8178	M1O	05-002/08:04:38.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-002/07:46:00.7
8179	M1O	05-002/08:04:48.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-002/07:46:10.7
8180	M1O	05-002/08:04:58.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-002/07:46:20.7
8181	M1O	05-002/08:05:00.0	63	Begin Tracking		
8182	M1O	05-002/08:05:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8183	M1O	05-002/08:06:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8184	M1O	05-002/08:11:00.0	63	Range Modulation On: SUP=3.0dB		
8185	M1O	05-002/08:11:58.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-002/07:53:20.7
8186	M1O	05-002/08:11:59.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-002/07:53:21.7
8187	M1O	05-002/08:11:59.8	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8188	M1O	05-002/08:12:00.0	63	Begin Ranging Acquisition		
8189	M1O	05-002/08:12:00.8		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-002/07:53:22.7
8190	M1O	05-002/08:25:10.1		NOTE: North Pole Crossing 13541		05-002/08:06:32.0
8191	M1O	05-002/08:27:01.9		NOTE: Apoapsis 13541 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8207	M1O	05-002/09:25:35.6		NOTE: Periapsis 13542		05-002/09:06:57.6

8208	M1O	05-002/09:26:31.0	63	Begin Ranging Acquisition		
8209	M1O	05-002/09:39:25.4		SPAWN, Engine = 65535, Parameters = 00:23:20	dpt	05-002/09:20:47.5
8210	M1O	05-002/09:39:27.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-002/09:20:49.6
8211	M1O	05-002/09:39:27.5	63	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	05-002/09:39:28.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-002/09:20:50.6
8213	M1O	05-002/09:40:26.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8214	M1O	05-002/09:40:28.9		NOTE: ENTER HGA KEEP OUT ZONE		
8215	M1O	05-002/09:40:28.9	63	NOTE: Loss Of X-Band Signal		
8216	M1O	05-002/09:40:32.4		NOTE: Enter Planetary Atmosphere 13542		05-002/09:21:54.5
8217	M1O	05-002/09:42:28.7		NOTE: Enter Earth Occultation 13542		05-002/09:23:50.7
8218	M1O	05-002/09:45:08.9		NOTE: EXIT HGA KEEP OUT ZONE		
8219	M1O	05-002/09:53:46.1		NOTE: Ascending Node Crossing 13542		05-002/09:35:08.3
8220	M1O	05-002/09:57:16.2		NOTE: Exit Earth Occultation 13542		05-002/09:38:38.3
8221	M1O	05-002/09:57:16.2	63	Acquisition Of X-Band Signal		
8222	M1O	05-002/09:57:16.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8223	M1O	05-002/09:57:46.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8224	M1O	05-002/09:59:09.0		NOTE: Exit Planetary Atmosphere 13542		05-002/09:40:31.1
8225	M1O	05-002/10:02:47.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-002/09:44:09.6
8226	M1O	05-002/10:02:47.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8227	M1O	05-002/10:02:48.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-002/09:44:10.6
8228	M1O	05-002/10:23:43.0		NOTE: North Pole Crossing 13542		05-002/10:05:05.1
8229	M1O	05-002/10:25:39.9		NOTE: Apoapsis 13542 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
8252	M1O	05-002/12:00:50.8	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8253	M1O	05-002/12:00:51.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-002/11:42:14.2
8254	M1O	05-002/12:15:00.0	14	Begin Pre-Cal		
8255	M1O	05-002/12:15:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
8256	M1O	05-002/12:15:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8257	M1O	05-002/12:15:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8258	M1O	05-002/12:15:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8259	M1O	05-002/12:15:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
8260	M1O	05-002/12:15:00.0	14	Config: RCV: Parms:		
8261	M1O	05-002/12:15:00.0	14	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
8262	M1O	05-002/12:15:00.0	14	Config: TGC: BAND=X, SR=238896.000000		
8263	M1O	05-002/12:15:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8264	M1O	05-002/12:22:18.2		NOTE: North Pole Crossing 13543		05-002/12:03:40.7
8265	M1O	05-002/12:24:09.2		NOTE: Apoapsis 13543 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8292	M1O	05-002/12:46:18.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-002/12:27:41.1
8293	M1O	05-002/12:50:48.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	05-002/12:32:11.1
8294	M1O	05-002/12:52:19.5		NOTE: Descending Node Crossing 13544		05-002/12:33:42.0
8295	M1O	05-002/12:54:18.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-002/12:35:41.1
8296	M1O	05-002/12:54:18.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	05-002/12:35:41.1
8297	M1O	05-002/13:21:25.0	63	NOTE: Below Uplink Interlock Limit		
8298	M1O	05-002/13:21:39.5		NOTE: South Pole Crossing 13544		05-002/13:03:02.1
8299	M1O	05-002/13:22:52.3		NOTE: Periapsis 13544		05-002/13:04:14.8

8300	M1O	05-002/13:24:18.4		GV: GV_DESAT_ACTIVE = 1		05-002/13:05:41.0
8301	M1O	05-002/13:24:19.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	05-002/13:05:42.0
8302	M1O	05-002/13:24:19.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	05-002/13:05:42.0
8303	M1O	05-002/13:34:18.3		GV: GV_DESAT_ACTIVE = 0		05-002/13:15:41.0
8304	M1O	05-002/13:34:19.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	05-002/13:15:42.0
8305	M1O	05-002/13:34:20.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	05-002/13:15:43.0
8306	M1O	05-002/13:34:21.3		CALL, Engine = , Parameters =	unpark_hga	05-002/13:15:44.0
8307	M1O	05-002/13:34:21.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-002/13:15:44.0
8308	M1O	05-002/13:34:22.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-002/13:15:45.0
8309	M1O	05-002/13:37:19.3		NOTE: ENTER HGA KEEP OUT ZONE		
8310	M1O	05-002/13:37:38.9		NOTE: Enter Planetary Atmosphere 13544		05-002/13:19:01.5
8311	M1O	05-002/13:38:52.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	05-002/13:20:15.0
8312	M1O	05-002/13:38:53.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	05-002/13:20:16.0
8313	M1O	05-002/13:39:34.6		NOTE: Enter Earth Occultation 13544		05-002/13:20:57.2
8314	M1O	05-002/13:40:00.0	63	End Tracking		
8315	M1O	05-002/13:42:39.3		NOTE: EXIT HGA KEEP OUT ZONE		
8316	M1O	05-002/13:42:53.3		NOTE: EXIT HGA PARK		
8317	M1O	05-002/13:45:00.0	14	Begin Tracking		
8318	M1O	05-002/13:50:56.2		NOTE: Ascending Node Crossing 13544		05-002/13:32:18.9
8319	M1O	05-002/13:54:02.9		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	05-002/13:35:25.5
8320	M1O	05-002/13:54:03.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-002/13:35:25.6
8321	M1O	05-002/13:54:04.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-002/13:35:26.6
8322	M1O	05-002/13:54:05.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-002/13:35:27.6
8323	M1O	05-002/13:54:06.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-002/13:35:28.6
8324	M1O	05-002/13:54:07.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-002/13:35:29.6
8325	M1O	05-002/13:54:17.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-002/13:35:39.6
8326	M1O	05-002/13:54:27.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-002/13:35:49.6
8327	M1O	05-002/13:54:27.9		NOTE: Exit Earth Occultation 13544		05-002/13:35:50.5
8328	M1O	05-002/13:54:27.9	14	Acquisition Of X-Band Signal		
8329	M1O	05-002/13:54:27.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8330	M1O	05-002/13:55:00.0	63	End Post-Cal		
8331	M1O	05-002/13:56:20.0		NOTE: Exit Planetary Atmosphere 13544		05-002/13:37:42.7
8332	M1O	05-002/14:01:27.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-002/13:42:49.6
8333	M1O	05-002/14:01:28.0		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	05-002/13:42:50.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
8334	M1O	05-002/14:01:28.0	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8335	M1O	05-002/14:01:29.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-002/13:42:51.6
8336	M1O	05-002/14:20:54.0		NOTE: North Pole Crossing 13544		05-002/14:02:16.7
8337	M1O	05-002/14:22:31.6		NOTE: Apoapsis 13544 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8378	M1O	05-002/17:09:53.3		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	05-002/16:51:16.4
8379	M1O	05-002/17:09:53.3	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8380	M1O	05-002/17:09:59.3		NOTE: Changing to 70M downlink rate: 66360_BPS		05-002/16:51:22.4
8381	M1O	05-002/17:09:59.3		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	05-002/16:51:22.4
8382	M1O	05-002/17:09:59.3	14	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8383	M1O	05-002/17:10:00.0	43	Begin Tracking		
8384	M1O	05-002/17:10:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8385	M1O	05-002/17:14:59.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-002/16:56:22.5
8386	M1O	05-002/17:14:59.4	14	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8387	M1O	05-002/17:14:59.4	43	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8388	M1O	05-002/17:15:00.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-002/16:56:23.5
8389	M1O	05-002/17:18:48.4		NOTE: South Pole Crossing 13546		05-002/17:00:11.5
8390	M1O	05-002/17:19:07.0	43	NOTE: Above Uplink Interlock Limit		
8391	M1O	05-002/17:19:59.1		NOTE: Periapsis 13546 ----------		05-002/17:01:22.2
8392	M1O	05-002/17:20:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8393	M1O	05-002/17:25:00.0	43	Range Modulation On: SUP=3.0dB		
8394	M1O	05-002/17:26:00.0	43	Begin Ranging Acquisition		
8395	M1O	05-002/17:30:00.0	14	End Tracking		
8396	M1O	05-002/17:33:45.8		SPAWN, Engine = 65535, Parameters = 00:28:26.693	dpt	05-002/17:15:09.0
8397	M1O	05-002/17:33:47.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-002/17:15:11.1
8398	M1O	05-002/17:33:47.9	43	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8399	M1O	05-002/17:33:48.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-002/17:15:12.1
8400	M1O	05-002/17:34:47.8		NOTE: ENTER HGA KEEP OUT ZONE		
8401	M1O	05-002/17:34:47.8	43	NOTE: Loss Of X-Band Signal		
8402	M1O	05-002/17:34:54.4		NOTE: Enter Planetary Atmosphere 13546		05-002/17:16:17.6
8403	M1O	05-002/17:36:50.3		NOTE: Enter Earth Occultation 13546		05-002/17:18:13.4
8404	M1O	05-002/17:39:47.8		NOTE: EXIT HGA KEEP OUT ZONE		
8405	M1O	05-002/17:45:00.0	14	End Post-Cal		
8406	M1O	05-002/17:48:05.2		NOTE: Ascending Node Crossing 13546		05-002/17:29:28.4
8407	M1O	05-002/17:51:42.6		NOTE: Exit Earth Occultation 13546		05-002/17:33:05.8
8408	M1O	05-002/17:51:42.6	43	Acquisition Of X-Band Signal		
8409	M1O	05-002/17:51:42.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8410	M1O	05-002/17:53:35.0		NOTE: Exit Planetary Atmosphere 13546		05-002/17:34:58.2
8411	M1O	05-002/17:57:13.7	43	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8412	M1O	05-002/18:02:14.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-002/17:43:37.7
8413	M1O	05-002/18:02:14.5	43	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8414	M1O	05-002/18:02:15.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-002/17:43:38.7
8415	M1O	05-002/18:18:00.9		NOTE: North Pole Crossing 13546		05-002/17:59:24.1
8416	M1O	05-002/18:19:39.3		NOTE: Apoapsis 13546 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8422	M1O	05-002/19:17:18.9		NOTE: South Pole Crossing 13547		05-002/18:58:42.3
8423	M1O	05-002/19:18:28.0		NOTE: Periapsis 13547		05-002/18:59:51.3

8424	M1O	05-002/19:18:32.0	43	Range Modulation On: SUP=3.0dB		
8425	M1O	05-002/19:19:32.0	43	Begin Ranging Acquisition		
8426	M1O	05-002/19:32:16.4		SPAWN, Engine = 65535, Parameters = 00:23:27	dpt	05-002/19:13:39.8
8427	M1O	05-002/19:32:18.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-002/19:13:41.9
8428	M1O	05-002/19:32:18.5	43	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8429	M1O	05-002/19:32:19.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-002/19:13:42.9
8430	M1O	05-002/19:33:18.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8431	M1O	05-002/19:33:19.5		NOTE: ENTER HGA KEEP OUT ZONE		
8432	M1O	05-002/19:33:19.5	43	NOTE: Loss Of X-Band Signal		
8433	M1O	05-002/19:33:24.7		NOTE: Enter Planetary Atmosphere 13547		05-002/19:14:48.1
8434	M1O	05-002/19:35:20.4		NOTE: Enter Earth Occultation 13547		05-002/19:16:43.9
8435	M1O	05-002/19:38:19.5		NOTE: EXIT HGA KEEP OUT ZONE		
8436	M1O	05-002/19:46:35.0		NOTE: Ascending Node Crossing 13547		05-002/19:27:58.5
8437	M1O	05-002/19:50:14.3		NOTE: Exit Earth Occultation 13547		05-002/19:31:37.8
8438	M1O	05-002/19:50:14.3	43	Acquisition Of X-Band Signal		
8439	M1O	05-002/19:50:14.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8440	M1O	05-002/19:50:45.2	43	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8441	M1O	05-002/19:52:06.5		NOTE: Exit Planetary Atmosphere 13547		05-002/19:33:30.0
8442	M1O	05-002/19:55:45.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-002/19:37:08.9
8443	M1O	05-002/19:55:45.5	43	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8444	M1O	05-002/19:55:46.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-002/19:37:09.9
8445	M1O	05-002/20:16:31.1		NOTE: North Pole Crossing 13547		05-002/19:57:54.6
8446	M1O	05-002/20:18:06.8		NOTE: Apoapsis 13547 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8467	M1O	05-002/21:48:42.2		NOTE: Exit Earth Occultation 13548		05-002/21:30:06.0
8468	M1O	05-002/21:48:42.2	43	Acquisition Of X-Band Signal		
8469	M1O	05-002/21:48:42.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8470	M1O	05-002/21:49:13.6	43	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8471	M1O	05-002/21:50:34.7		NOTE: Exit Planetary Atmosphere 13548		05-002/21:31:58.4
8472	M1O	05-002/21:54:14.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-002/21:35:37.9
8473	M1O	05-002/21:54:14.2	43	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8474	M1O	05-002/21:54:15.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-002/21:35:38.9
8475	M1O	05-002/22:15:02.8		NOTE: North Pole Crossing 13548		05-002/21:56:26.6
8476	M1O	05-002/22:16:18.8		NOTE: Apoapsis 13548 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8512	M1O	05-003/01:12:58.7		NOTE: South Pole Crossing 13550		05-003/00:54:22.9
8513	M1O	05-003/01:14:13.2		NOTE: Periapsis 13550		05-003/00:55:37.4

8514	M1O	05-003/01:27:32.8		SPAWN, Engine = 65535, Parameters = 00:23:20.283	dpt	05-003/01:08:57.0
8515	M1O	05-003/01:27:34.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-003/01:08:59.1
8516	M1O	05-003/01:27:34.9	43	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8517	M1O	05-003/01:27:35.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-003/01:09:00.1
8518	M1O	05-003/01:28:34.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8519	M1O	05-003/01:28:36.7		NOTE: ENTER HGA KEEP OUT ZONE		
8520	M1O	05-003/01:28:36.7	43	NOTE: Loss Of X-Band Signal		
8521	M1O	05-003/01:29:08.6		NOTE: Enter Planetary Atmosphere 13550		05-003/01:10:32.9
8522	M1O	05-003/01:31:04.4		NOTE: Enter Earth Occultation 13550		05-003/01:12:28.6
8523	M1O	05-003/01:34:16.7		NOTE: EXIT HGA KEEP OUT ZONE		
8524	M1O	05-003/01:42:16.8		NOTE: Ascending Node Crossing 13550		05-003/01:23:41.0
8525	M1O	05-003/01:45:55.0		NOTE: Exit Earth Occultation 13550		05-003/01:27:19.3
8526	M1O	05-003/01:45:55.0	43	Acquisition Of X-Band Signal		
8527	M1O	05-003/01:45:55.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8528	M1O	05-003/01:47:47.4		NOTE: Exit Planetary Atmosphere 13550		05-003/01:29:11.7
8529	M1O	05-003/01:50:55.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-003/01:32:19.4
8530	M1O	05-003/01:50:55.1	43	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8531	M1O	05-003/01:50:56.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-003/01:32:20.4
8532	M1O	05-003/02:12:13.3		NOTE: North Pole Crossing 13550		05-003/01:53:37.6
8533	M1O	05-003/02:14:12.2		NOTE: Apoapsis 13550 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8555	M1O	05-003/04:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8556	M1O	05-003/04:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8557	M1O	05-003/04:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8558	M1O	05-003/04:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8559	M1O	05-003/04:00:00.0	63	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
8560	M1O	05-003/04:00:00.0	63	Config: RCV: Parms:		
8561	M1O	05-003/04:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8562	M1O	05-003/04:00:00.0	63	Config: TGC: BAND=X, SR=132720.000000		
8563	M1O	05-003/04:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8564	M1O	05-003/04:10:48.4		NOTE: North Pole Crossing 13551		05-003/03:52:13.0
8565	M1O	05-003/04:13:00.7		NOTE: Apoapsis 13551 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				locations.		
8601	M1O	05-003/07:19:37.9		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	05-003/07:01:03.0
8602	M1O	05-003/07:19:38.1		NOTE: Start Block fsw_diag		05-003/07:01:03.2
8603	M1O	05-003/07:19:39.1		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	05-003/07:01:04.2
8604	M1O	05-003/07:19:40.1		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	05-003/07:01:05.2
8605	M1O	05-003/07:19:51.1		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	05-003/07:01:16.2
8606	M1O	05-003/07:20:21.1		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	05-003/07:01:46.2
8607	M1O	05-003/07:20:41.1		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	05-003/07:02:06.2
8608	M1O	05-003/07:20:51.1		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	05-003/07:02:16.2
8609	M1O	05-003/07:21:11.1		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	05-003/07:02:36.2
8610	M1O	05-003/07:21:21.1		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	05-003/07:02:46.2
8611	M1O	05-003/07:21:26.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	05-003/07:02:51.2
8612	M1O	05-003/07:21:31.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	05-003/07:02:56.2
8613	M1O	05-003/07:21:36.1		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	05-003/07:03:01.2
8614	M1O	05-003/07:21:41.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	05-003/07:03:06.2
8615	M1O	05-003/07:21:46.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	05-003/07:03:11.2
8616	M1O	05-003/07:22:26.1		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	05-003/07:03:51.2
8617	M1O	05-003/07:22:31.1		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	05-003/07:03:56.2
8618	M1O	05-003/07:22:36.1		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	05-003/07:04:01.2
8619	M1O	05-003/07:22:41.1		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	05-003/07:04:06.2
8620	M1O	05-003/07:22:46.1		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	05-003/07:04:11.2
8621	M1O	05-003/07:22:47.1		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	05-003/07:04:12.2
8622	M1O	05-003/07:22:48.1		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	05-003/07:04:13.2
8623	M1O	05-003/07:22:49.1		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	05-003/07:04:14.2
8624	M1O	05-003/07:23:00.1		NOTE: End Block fsw_diag.mod		05-003/07:04:25.2
8625	M1O	05-003/07:23:18.9		SPAWN, Engine = 65535, Parameters = 00:23:23.244	dpt	05-003/07:04:44.0
8626	M1O	05-003/07:23:21.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-003/07:04:46.1
8627	M1O	05-003/07:23:21.0	63	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8628	M1O	05-003/07:23:22.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-003/07:04:47.1
8629	M1O	05-003/07:24:20.9		NOTE: ENTER HGA KEEP OUT ZONE		
8630	M1O	05-003/07:24:20.9	63	NOTE: Loss Of X-Band Signal		
8631	M1O	05-003/07:24:47.3		NOTE: Enter Planetary Atmosphere 13553		05-003/07:06:12.3
8632	M1O	05-003/07:26:42.2		NOTE: Enter Earth Occultation 13553		05-003/07:08:07.3
8633	M1O	05-003/07:30:00.9		NOTE: EXIT HGA KEEP OUT ZONE		
8634	M1O	05-003/07:37:55.7		NOTE: Ascending Node Crossing 13553		05-003/07:19:20.7
8635	M1O	05-003/07:41:44.1		NOTE: Exit Earth Occultation 13553		05-003/07:23:09.2
8636	M1O	05-003/07:41:44.1	63	Acquisition Of X-Band Signal		
8637	M1O	05-003/07:41:44.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8638	M1O	05-003/07:43:35.6		NOTE: Exit Planetary Atmosphere 13553		05-003/07:25:00.7
8639	M1O	05-003/07:46:44.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-003/07:28:09.3
8640	M1O	05-003/07:46:44.2	63	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8641	M1O	05-003/07:46:45.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-003/07:28:10.3
8642	M1O	05-003/08:07:51.4		NOTE: North Pole Crossing 13553		05-003/07:49:16.6
8643	M1O	05-003/08:09:34.9		NOTE: Apoapsis 13553 -		05-003/07:51:00.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				-		
8644	M1O	05-003/08:37:50.3		NOTE: Descending Node Crossing 13554		05-003/08:19:15.5
8645	M1O	05-003/09:07:09.7		NOTE: South Pole Crossing 13554		05-003/08:48:35.0
8646	M1O	05-003/09:08:12.2		NOTE: Periapsis 13554		05-003/08:49:37.5

8647	M1O	05-003/09:21:47.6		SPAWN, Engine = 65535, Parameters = 00:23:24.353	dpt	05-003/09:03:13.0
8648	M1O	05-003/09:21:49.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-003/09:03:15.1
8649	M1O	05-003/09:21:49.7	63	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8650	M1O	05-003/09:21:50.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-003/09:03:16.1
8651	M1O	05-003/09:22:49.6		NOTE: ENTER HGA KEEP OUT ZONE		
8652	M1O	05-003/09:22:49.6	63	NOTE: Loss Of X-Band Signal		
8653	M1O	05-003/09:23:21.1		NOTE: Enter Planetary Atmosphere 13554		05-003/09:04:46.4
8654	M1O	05-003/09:25:16.2		NOTE: Enter Earth Occultation 13554		05-003/09:06:41.5
8655	M1O	05-003/09:28:29.6		NOTE: EXIT HGA KEEP OUT ZONE		
8656	M1O	05-003/09:35:00.0	63	TXR On: PWR=20.0, Band=X		
8657	M1O	05-003/09:36:26.5		NOTE: Ascending Node Crossing 13554		05-003/09:17:51.8
8658	M1O	05-003/09:40:00.0	63	Range Modulation On: SUP=3.0dB		
8659	M1O	05-003/09:40:14.0		NOTE: Exit Earth Occultation 13554		05-003/09:21:39.3
8660	M1O	05-003/09:40:14.0	63	Acquisition Of X-Band Signal		
8661	M1O	05-003/09:40:14.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8662	M1O	05-003/09:41:00.0	63	Begin Ranging Acquisition		
8663	M1O	05-003/09:42:05.6		NOTE: Exit Planetary Atmosphere 13554		05-003/09:23:31.0
8664	M1O	05-003/09:45:14.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-003/09:26:39.4
8665	M1O	05-003/09:45:14.0	63	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8666	M1O	05-003/09:45:15.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-003/09:26:40.4
8667	M1O	05-003/10:06:22.5		NOTE: North Pole Crossing 13554		05-003/09:47:47.9
8668	M1O	05-003/10:08:10.0		NOTE: Apoapsis 13554 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8687	M1O	05-003/11:00:00.0	26	Config: RCV: Parms:		
8688	M1O	05-003/11:00:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8689	M1O	05-003/11:00:00.0	26	Config: TGC: BAND=X, SR=132720.000000		
8690	M1O	05-003/11:00:00.0	26	Config: TXL		
8691	M1O	05-003/11:00:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
8692	M1O	05-003/11:00:00.0	26	Config: CMD		
8693	M1O	05-003/11:00:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
8694	M1O	05-003/11:02:51.1	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
8695	M1O	05-003/11:05:41.8		NOTE: South Pole Crossing 13555		05-003/10:47:07.4
8696	M1O	05-003/11:06:46.3		NOTE: Periapsis 13555		05-003/10:48:11.8

8697	M1O	05-003/11:10:09.4		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	05-003/10:51:35.0
8698	M1O	05-003/11:10:25.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2005-001T10:51:35.200, 2005-003T10:51:35.200	PCKTS_RE_TX_TIME	05-003/10:51:50.8
8699	M1O	05-003/11:10:26.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2005-001T10:51:35.200, 2005-003T10:51:35.200	PCKTS_RE_TX_TIME	05-003/10:51:51.8
8700	M1O	05-003/11:10:27.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2005-001T10:51:35.200, 2005-003T10:51:35.200	PCKTS_RE_TX_TIME	05-003/10:51:52.8
8701	M1O	05-003/11:10:28.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2005-001T10:51:35.200, 2005-003T10:51:35.200	PCKTS_RE_TX_TIME	05-003/10:51:53.8
8702	M1O	05-003/11:10:29.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2005-001T10:51:35.200, 2005-003T10:51:35.200	PCKTS_RE_TX_TIME	05-003/10:51:54.8
8703	M1O	05-003/11:10:30.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2005-001T10:51:35.200, 2005-003T10:51:35.200	PCKTS_RE_TX_TIME	05-003/10:51:55.8
8704	M1O	05-003/11:10:30.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	05-003/10:51:55.8
8705	M1O	05-003/11:10:30.2	63	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8706	M1O	05-003/11:20:31.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-003/11:01:56.8
8707	M1O	05-003/11:20:31.2	63	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8708	M1O	05-003/11:20:32.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-003/11:01:57.8
8709	M1O	05-003/11:20:48.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-003/11:02:13.8
8710	M1O	05-003/11:20:48.2	63	D/L RF Warning: SC antenna change - expect signal level variation		
8711	M1O	05-003/11:20:49.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-003/11:02:14.8
8712	M1O	05-003/11:21:18.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8713	M1O	05-003/11:21:21.4		NOTE: ENTER HGA KEEP OUT ZONE		
8714	M1O	05-003/11:21:21.4	63	NOTE: Loss Of X-Band Signal		
8715	M1O	05-003/11:21:53.3		NOTE: Enter Planetary Atmosphere 13555		05-003/11:03:18.9
8716	M1O	05-003/11:23:48.3		NOTE: Enter Earth Occultation 13555		05-003/11:05:13.9
8717	M1O	05-003/11:27:21.4		NOTE: EXIT HGA KEEP OUT ZONE		
8718	M1O	05-003/11:30:00.0	14	Begin Pre-Cal		
8719	M1O	05-003/11:30:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
8720	M1O	05-003/11:30:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8721	M1O	05-003/11:30:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8722	M1O	05-003/11:30:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8723	M1O	05-003/11:30:00.0	14	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
8724	M1O	05-003/11:30:00.0	14	Config: RCV: Parms:		
8725	M1O	05-003/11:30:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8726	M1O	05-003/11:30:00.0	14	Config: TGC: BAND=X, SR=132720.000000		
8727	M1O	05-003/11:30:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8728	M1O	05-003/11:34:59.4		NOTE: Ascending Node Crossing 13555		05-003/11:16:25.0
8729	M1O	05-003/11:38:46.1		NOTE: Exit Earth Occultation 13555		05-003/11:20:11.7
8730	M1O	05-003/11:38:46.1	63	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8731	M1O	05-003/11:38:46.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8732	M1O	05-003/11:40:00.0	63	End Tracking		
8733	M1O	05-003/11:40:37.6		NOTE: Exit Planetary Atmosphere 13555		05-003/11:22:03.2
8734	M1O	05-003/11:55:00.0	63	End Post-Cal		
8735	M1O	05-003/12:04:56.8		NOTE: North Pole Crossing 13555		05-003/11:46:22.5
8736	M1O	05-003/12:06:43.6		NOTE: Apoapsis 13555 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8774	M1O	05-003/13:22:21.0		NOTE: Enter Earth Occultation 13556		05-003/13:03:46.8
8775	M1O	05-003/13:25:32.1		NOTE: EXIT HGA PARK		
8776	M1O	05-003/13:25:57.1		NOTE: EXIT HGA KEEP OUT ZONE		
8777	M1O	05-003/13:33:34.6		NOTE: Ascending Node Crossing 13556		05-003/13:15:00.5
8778	M1O	05-003/13:36:57.2		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	05-003/13:18:23.0
8779	M1O	05-003/13:36:57.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-003/13:18:23.1
8780	M1O	05-003/13:36:58.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-003/13:18:24.1
8781	M1O	05-003/13:36:59.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-003/13:18:25.1
8782	M1O	05-003/13:37:00.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-003/13:18:26.1
8783	M1O	05-003/13:37:01.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-003/13:18:27.1
8784	M1O	05-003/13:37:11.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-003/13:18:37.1
8785	M1O	05-003/13:37:21.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-003/13:18:47.1
8786	M1O	05-003/13:37:22.2		NOTE: Exit Earth Occultation 13556		05-003/13:18:48.0
8787	M1O	05-003/13:37:22.2	14	Acquisition Of X-Band Signal		
8788	M1O	05-003/13:37:22.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8789	M1O	05-003/13:37:22.2	26	Acquisition Of X-Band Signal		
8790	M1O	05-003/13:37:22.2	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8791	M1O	05-003/13:39:13.3		NOTE: Exit Planetary Atmosphere 13556		05-003/13:20:39.2
8792	M1O	05-003/13:44:21.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-003/13:25:47.1
8793	M1O	05-003/13:44:22.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-003/13:25:48.1
8794	M1O	05-003/13:44:22.2	14	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8795	M1O	05-003/13:44:22.2	26	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8796	M1O	05-003/13:44:23.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-003/13:25:49.1
8797	M1O	05-003/13:51:06.5		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-003/13:32:32.4
8798	M1O	05-003/13:51:08.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-003/13:32:34.5
8799	M1O	05-003/13:51:08.6	14	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8800	M1O	05-003/13:51:08.6	26	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8801	M1O	05-003/13:51:09.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-003/13:32:35.5
8802	M1O	05-003/13:52:08.2	14	Acquire D/L: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8803	M1O	05-003/13:52:08.2	26	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8804	M1O	05-003/13:57:08.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-003/13:38:34.5
8805	M1O	05-003/13:57:08.5	14	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8806	M1O	05-003/13:57:08.5	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8807	M1O	05-003/13:57:09.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-003/13:38:35.5
8808	M1O	05-003/14:03:32.5		NOTE: North Pole Crossing 13556		05-003/13:44:58.4
8809	M1O	05-003/14:05:10.8		NOTE: Apoapsis 13556 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8816	M1O	05-003/15:03:57.8		NOTE: Periapsis 13557 ----------		05-003/14:45:23.8
8817	M1O	05-003/15:04:23.0	26	Range Modulation On: SUP=3.0dB		
8818	M1O	05-003/15:05:23.0	26	Begin Ranging Acquisition		
8819	M1O	05-003/15:17:09.3		SPAWN, Engine = 65535, Parameters = 00:32:54.278	dpt	05-003/14:58:35.4
8820	M1O	05-003/15:17:11.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-003/14:58:37.5
8821	M1O	05-003/15:17:11.4	14	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8822	M1O	05-003/15:17:11.4	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8823	M1O	05-003/15:17:12.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-003/14:58:38.5
8824	M1O	05-003/15:18:10.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8825	M1O	05-003/15:18:10.9	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8826	M1O	05-003/15:18:12.8		NOTE: ENTER HGA KEEP OUT ZONE		
8827	M1O	05-003/15:18:12.8	14	NOTE: Loss Of X-Band Signal		
8828	M1O	05-003/15:18:12.8	26	NOTE: Loss Of X-Band Signal		
8829	M1O	05-003/15:19:03.5		NOTE: Enter Planetary Atmosphere 13557		05-003/15:00:29.7
8830	M1O	05-003/15:20:58.2		NOTE: Enter Earth Occultation 13557		05-003/15:02:24.4
8831	M1O	05-003/15:24:32.8		NOTE: EXIT HGA KEEP OUT ZONE		
8832	M1O	05-003/15:32:10.5		NOTE: Ascending Node Crossing 13557		05-003/15:13:36.7
8833	M1O	05-003/15:35:59.8		NOTE: Exit Earth Occultation 13557		05-003/15:17:26.0
8834	M1O	05-003/15:35:59.8	14	Acquisition Of X-Band Signal		
8835	M1O	05-003/15:35:59.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8836	M1O	05-003/15:35:59.8	26	Acquisition Of X-Band Signal		
8837	M1O	05-003/15:35:59.8	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8838	M1O	05-003/15:36:30.8	14	Acquire D/L: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8839	M1O	05-003/15:36:30.8	26	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8840	M1O	05-003/15:37:51.0		NOTE: Exit Planetary Atmosphere 13557		05-003/15:19:17.2
8841	M1O	05-003/15:44:59.5		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		05-003/15:26:25.7
8842	M1O	05-003/15:44:59.5		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	05-003/15:26:25.7
8843	M1O	05-003/15:44:59.5	14	D/L Change: X/08, 3-Way/26, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8844	M1O	05-003/15:44:59.5	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8845	M1O	05-003/15:45:00.0	14	End Tracking		
8846	M1O	05-003/15:45:05.5		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	05-003/15:26:31.7
8847	M1O	05-003/15:45:05.5	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8848	M1O	05-003/15:50:05.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-003/15:31:31.8
8849	M1O	05-003/15:50:05.6	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8850	M1O	05-003/15:50:06.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-003/15:31:32.8
8851	M1O	05-003/16:00:00.0	14	End Post-Cal		
8852	M1O	05-003/16:02:07.9		NOTE: North Pole Crossing 13557		05-003/15:43:34.1
8853	M1O	05-003/16:03:31.5		NOTE: Apoapsis 13557 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8859	M1O	05-003/17:01:28.1		NOTE: South Pole Crossing 13558		05-003/16:42:54.5
8860	M1O	05-003/17:02:33.5		NOTE: Periapsis 13558		05-003/16:43:59.8

8861	M1O	05-003/17:03:01.0	26	Range Modulation On: SUP=3.0dB		
8862	M1O	05-003/17:04:01.0	26	Begin Ranging Acquisition		
8863	M1O	05-003/17:15:44.0		SPAWN, Engine = 65535, Parameters = 00:24:23	dpt	05-003/16:57:10.4
8864	M1O	05-003/17:15:46.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-003/16:57:12.5
8865	M1O	05-003/17:15:46.1	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8866	M1O	05-003/17:15:47.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-003/16:57:13.5
8867	M1O	05-003/17:16:45.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8868	M1O	05-003/17:16:47.6		NOTE: ENTER HGA KEEP OUT ZONE		
8869	M1O	05-003/17:16:47.6	26	NOTE: Loss Of X-Band Signal		
8870	M1O	05-003/17:17:41.6		NOTE: Enter Planetary Atmosphere 13558		05-003/16:59:08.0
8871	M1O	05-003/17:19:36.4		NOTE: Enter Earth Occultation 13558		05-003/17:01:02.8
8872	M1O	05-003/17:23:07.6		NOTE: EXIT HGA KEEP OUT ZONE		
8873	M1O	05-003/17:30:45.1		NOTE: Ascending Node Crossing 13558		05-003/17:12:11.5
8874	M1O	05-003/17:34:37.6		NOTE: Exit Earth Occultation 13558		05-003/17:16:04.1
8875	M1O	05-003/17:34:37.6	26	Acquisition Of X-Band Signal		
8876	M1O	05-003/17:34:37.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8877	M1O	05-003/17:35:08.2	26	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8878	M1O	05-003/17:36:29.0		NOTE: Exit Planetary Atmosphere 13558		05-003/17:17:55.4
8879	M1O	05-003/17:40:09.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-003/17:21:35.5
8880	M1O	05-003/17:40:09.0	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8881	M1O	05-003/17:40:10.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-003/17:21:36.5
8882	M1O	05-003/18:00:41.3		NOTE: North Pole Crossing 13558		05-003/17:42:07.7
8883	M1O	05-003/18:02:05.9		NOTE: Apoapsis 13558 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8904	M1O	05-003/19:20:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8905	M1O	05-003/19:20:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8906	M1O	05-003/19:20:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8907	M1O	05-003/19:20:00.0	45	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
8908	M1O	05-003/19:20:00.0	45	Config: RCV: Parms:		
8909	M1O	05-003/19:20:00.0	45	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
8910	M1O	05-003/19:20:00.0	45	Config: TGC: BAND=X, SR=85320.000000		
8911	M1O	05-003/19:20:00.0	45	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8912	M1O	05-003/19:21:40.3		NOTE: EXIT HGA KEEP OUT ZONE		
8913	M1O	05-003/19:29:16.5		NOTE: Ascending Node Crossing 13559		05-003/19:10:43.2
8914	M1O	05-003/19:29:59.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
8915	M1O	05-003/19:33:12.2		NOTE: Exit Earth Occultation 13559		05-003/19:14:38.9
8916	M1O	05-003/19:33:12.2	26	Acquisition Of X-Band Signal		
8917	M1O	05-003/19:33:12.2	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8918	M1O	05-003/19:33:43.7	26	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8919	M1O	05-003/19:35:03.4		NOTE: Exit Planetary Atmosphere 13559		05-003/19:16:30.1
8920	M1O	05-003/19:38:44.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-003/19:20:10.7
8921	M1O	05-003/19:38:44.0	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8922	M1O	05-003/19:38:45.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-003/19:20:11.7
8923	M1O	05-003/19:39:59.0	26	Range Modulation Off		
8924	M1O	05-003/19:44:59.0	26	X-Band Transmitter Off		
8925	M1O	05-003/19:59:12.2		NOTE: North Pole Crossing 13559		05-003/19:40:39.0
8926	M1O	05-003/20:00:47.9		NOTE: Apoapsis 13559 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8948	M1O	05-003/21:14:10.0	26	NOTE: Loss Of X-Band Signal		
8949	M1O	05-003/21:14:43.6		NOTE: Enter Planetary Atmosphere 13560		05-003/20:56:10.5
8950	M1O	05-003/21:16:38.4		NOTE: Enter Earth Occultation 13560		05-003/20:58:05.3
8951	M1O	05-003/21:20:10.0		NOTE: EXIT HGA KEEP OUT ZONE		
8952	M1O	05-003/21:25:00.0	26	End Tracking		
8953	M1O	05-003/21:27:45.7		NOTE: Ascending Node Crossing 13560		05-003/21:09:12.7
8954	M1O	05-003/21:31:40.6		NOTE: Exit Earth Occultation 13560		05-003/21:13:07.6
8955	M1O	05-003/21:31:40.6	45	Acquisition Of X-Band Signal		
8956	M1O	05-003/21:31:40.6	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8957	M1O	05-003/21:33:31.8		NOTE: Exit Planetary Atmosphere 13560		05-003/21:14:58.8
8958	M1O	05-003/21:36:40.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-003/21:18:07.7
8959	M1O	05-003/21:36:40.7	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8960	M1O	05-003/21:36:41.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-003/21:18:08.7
8961	M1O	05-003/21:40:00.0	26	End Post-Cal		
8962	M1O	05-003/21:57:42.6		NOTE: North Pole Crossing 13560		05-003/21:39:09.6
8963	M1O	05-003/21:59:00.9		NOTE: Apoapsis 13560 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
8992	M1O	05-004/01:09:55.6	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8993	M1O	05-004/01:09:56.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-004/00:51:24.1
8994	M1O	05-004/01:10:55.5		NOTE: ENTER HGA KEEP OUT ZONE		
8995	M1O	05-004/01:10:55.5	45	NOTE: Loss Of X-Band Signal		
8996	M1O	05-004/01:11:54.7		NOTE: Enter Planetary Atmosphere 13562		05-004/00:53:22.1
8997	M1O	05-004/01:13:49.6		NOTE: Enter Earth Occultation 13562		05-004/00:55:17.1
8998	M1O	05-004/01:17:35.5		NOTE: EXIT HGA KEEP OUT ZONE		
8999	M1O	05-004/01:24:54.4		NOTE: Ascending Node Crossing 13562		05-004/01:06:21.9
9000	M1O	05-004/01:28:47.1		NOTE: Exit Earth Occultation 13562		05-004/01:10:14.6
9001	M1O	05-004/01:28:47.1	45	Acquisition Of X-Band Signal		
9002	M1O	05-004/01:28:47.1	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9003	M1O	05-004/01:30:38.6		NOTE: Exit Planetary Atmosphere 13562		05-004/01:12:06.1
9004	M1O	05-004/01:33:47.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-004/01:15:14.7
9005	M1O	05-004/01:33:47.2	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9006	M1O	05-004/01:33:48.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-004/01:15:15.7
9007	M1O	05-004/01:54:51.6		NOTE: North Pole Crossing 13562		05-004/01:36:19.1
9008	M1O	05-004/01:56:20.2		NOTE: Apoapsis 13562 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9038	M1O	05-004/03:27:26.8		NOTE: Exit Earth Occultation 13563		05-004/03:08:54.6
9039	M1O	05-004/03:27:26.8	45	Acquisition Of X-Band Signal		
9040	M1O	05-004/03:27:26.8	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9041	M1O	05-004/03:27:57.5	45	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9042	M1O	05-004/03:29:18.0		NOTE: Exit Planetary Atmosphere 13563		05-004/03:10:45.7
9043	M1O	05-004/03:32:58.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-004/03:14:25.8
9044	M1O	05-004/03:32:58.1	45	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9045	M1O	05-004/03:32:59.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-004/03:14:26.8
9046	M1O	05-004/03:53:27.4		NOTE: North Pole Crossing 13563		05-004/03:34:55.2
9047	M1O	05-004/03:55:22.8		NOTE: Apoapsis 13563 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9083	M1O	05-004/05:44:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-004/05:25:28.4
9084	M1O	05-004/05:44:59.2		NOTE: Changing to 70M downlink rate: 39816_BPS		05-004/05:26:27.3
9085	M1O	05-004/05:44:59.2		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	05-004/05:26:27.3
9086	M1O	05-004/05:44:59.2	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9087	M1O	05-004/05:45:00.0	63	Begin Tracking		
9088	M1O	05-004/05:45:00.0	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		
9089	M1O	05-004/05:49:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-004/05:31:27.4
9090	M1O	05-004/05:49:59.3	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9091	M1O	05-004/05:49:59.3	63	D/L Change: X/08, 3-Way/45, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9092	M1O	05-004/05:50:00.0	45	End Tracking		
9093	M1O	05-004/05:50:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-004/05:31:28.4
9094	M1O	05-004/05:52:01.5		NOTE: North Pole Crossing 13564		05-004/05:33:29.6
9095	M1O	05-004/05:53:57.0		NOTE: Apoapsis 13564 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9121	M1O	05-004/06:48:08.0	63	TXR On: PWR=20.0, Band=X		
9122	M1O	05-004/06:51:20.8		NOTE: South Pole Crossing 13565		05-004/06:32:49.0
9123	M1O	05-004/06:52:37.6		NOTE: Periapsis 13565		05-004/06:34:05.9

9124	M1O	05-004/06:53:08.0	63	Range Modulation On: SUP=3.0dB		
9125	M1O	05-004/06:54:08.0	63	Begin Ranging Acquisition		
9126	M1O	05-004/07:05:38.6		SPAWN, Engine = 65535, Parameters = 00:24:31	dpt	05-004/06:47:06.9
9127	M1O	05-004/07:05:40.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-004/06:47:09.0
9128	M1O	05-004/07:05:40.7	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9129	M1O	05-004/07:05:41.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-004/06:47:10.0
9130	M1O	05-004/07:06:40.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9131	M1O	05-004/07:06:41.7		NOTE: ENTER HGA KEEP OUT ZONE		
9132	M1O	05-004/07:06:41.7	63	NOTE: Loss Of X-Band Signal		
9133	M1O	05-004/07:07:35.8		NOTE: Enter Planetary Atmosphere 13565		05-004/06:49:04.0
9134	M1O	05-004/07:09:29.6		NOTE: Enter Earth Occultation 13565		05-004/06:50:57.9
9135	M1O	05-004/07:13:21.7		NOTE: EXIT HGA KEEP OUT ZONE		
9136	M1O	05-004/07:18:31.6		SPAWN, Engine = 65535, Parameters =	scdiag	05-004/07:00:00.0
9137	M1O	05-004/07:18:32.7		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	05-004/07:00:01.1
9138	M1O	05-004/07:18:33.7		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	05-004/07:00:02.1
9139	M1O	05-004/07:19:34.6		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	05-004/07:01:03.0
9140	M1O	05-004/07:19:34.8		NOTE: Start Block fsw_diag		05-004/07:01:03.2
9141	M1O	05-004/07:19:35.8		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	05-004/07:01:04.2
9142	M1O	05-004/07:19:36.8		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	05-004/07:01:05.2
9143	M1O	05-004/07:19:47.8		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	05-004/07:01:16.2
9144	M1O	05-004/07:20:17.8		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	05-004/07:01:46.2
9145	M1O	05-004/07:20:36.6		NOTE: Ascending Node Crossing 13565		05-004/07:02:04.9
9146	M1O	05-004/07:20:37.8		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	05-004/07:02:06.2
9147	M1O	05-004/07:20:47.8		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	05-004/07:02:16.2
9148	M1O	05-004/07:21:07.8		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	05-004/07:02:36.2
9149	M1O	05-004/07:21:17.8		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	05-004/07:02:46.2
9150	M1O	05-004/07:21:22.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	05-004/07:02:51.2
9151	M1O	05-004/07:21:27.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	05-004/07:02:56.2
9152	M1O	05-004/07:21:32.8		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	05-004/07:03:01.2
9153	M1O	05-004/07:21:37.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	05-004/07:03:06.2
9154	M1O	05-004/07:21:42.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	05-004/07:03:11.2
9155	M1O	05-004/07:22:22.8		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	05-004/07:03:51.2
9156	M1O	05-004/07:22:27.8		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	05-004/07:03:56.2
9157	M1O	05-004/07:22:32.8		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	05-004/07:04:01.2
9158	M1O	05-004/07:22:37.8		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	05-004/07:04:06.2
9159	M1O	05-004/07:22:42.8		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	05-004/07:04:11.2
9160	M1O	05-004/07:22:43.8		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	05-004/07:04:12.2
9161	M1O	05-004/07:22:44.8		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	05-004/07:04:13.2
9162	M1O	05-004/07:22:45.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	05-004/07:04:14.2
9163	M1O	05-004/07:22:56.8		NOTE: End Block fsw_diag.mod		05-004/07:04:25.2
9164	M1O	05-004/07:24:40.5		NOTE: Exit Earth Occultation 13565		05-004/07:06:08.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9165	M1O	05-004/07:24:40.5	63	Acquisition Of X-Band Signal		
9166	M1O	05-004/07:24:40.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9167	M1O	05-004/07:25:11.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9168	M1O	05-004/07:26:30.8		NOTE: Exit Planetary Atmosphere 13565		05-004/07:07:59.1
9169	M1O	05-004/07:30:11.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-004/07:11:40.0
9170	M1O	05-004/07:30:11.7	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9171	M1O	05-004/07:30:12.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-004/07:11:41.0
9172	M1O	05-004/07:50:33.0		NOTE: North Pole Crossing 13565		05-004/07:32:01.4
9173	M1O	05-004/07:52:08.9		NOTE: Apoapsis 13565 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9209	M1O	05-004/10:16:02.3	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9210	M1O	05-004/10:16:03.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-004/09:57:32.0
9211	M1O	05-004/10:17:01.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9212	M1O	05-004/10:19:02.2		NOTE: Descending Node Crossing 13567		05-004/10:00:30.9
9213	M1O	05-004/10:22:02.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-004/10:03:31.0
9214	M1O	05-004/10:22:02.3	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9215	M1O	05-004/10:22:03.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-004/10:03:32.0
9216	M1O	05-004/10:48:21.9		NOTE: South Pole Crossing 13567		05-004/10:29:50.7
9217	M1O	05-004/10:49:19.4		NOTE: Periapsis 13567		05-004/10:30:48.2

9218	M1O	05-004/11:00:00.0	14	Begin Pre-Cal		
9219	M1O	05-004/11:00:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
9220	M1O	05-004/11:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9221	M1O	05-004/11:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9222	M1O	05-004/11:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
9223	M1O	05-004/11:00:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
9224	M1O	05-004/11:00:00.0	14	Config: RCV: Parms:		
9225	M1O	05-004/11:00:00.0	14	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
9226	M1O	05-004/11:00:00.0	14	Config: TGC: BAND=X, SR=238896.000000		
9227	M1O	05-004/11:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
9228	M1O	05-004/11:02:40.1		SPAWN, Engine = 65535, Parameters = 00:24:00.292	dpt	05-004/10:44:09.0
9229	M1O	05-004/11:02:42.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-004/10:44:11.1
9230	M1O	05-004/11:02:42.2	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9231	M1O	05-004/11:02:43.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-004/10:44:12.1
9232	M1O	05-004/11:03:42.1		NOTE: ENTER HGA KEEP OUT ZONE		
9233	M1O	05-004/11:03:42.1	63	NOTE: Loss Of X-Band Signal		
9234	M1O	05-004/11:04:42.1		NOTE: Enter Planetary Atmosphere 13567		05-004/10:46:10.9
9235	M1O	05-004/11:06:36.2		NOTE: Enter Earth Occultation 13567		05-004/10:48:05.0
9236	M1O	05-004/11:10:42.1		NOTE: EXIT HGA KEEP OUT ZONE		
9237	M1O	05-004/11:17:39.2		NOTE: Ascending Node Crossing 13567		05-004/10:59:08.0
9238	M1O	05-004/11:21:42.4		NOTE: Exit Earth Occultation 13567		05-004/11:03:11.2
9239	M1O	05-004/11:21:42.4	63	Acquisition Of X-Band Signal		
9240	M1O	05-004/11:21:42.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9241	M1O	05-004/11:23:32.9		NOTE: Exit Planetary Atmosphere 13567		05-004/11:05:01.8
9242	M1O	05-004/11:26:42.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-004/11:08:11.3
9243	M1O	05-004/11:26:42.5	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9244	M1O	05-004/11:26:43.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-004/11:08:12.3
9245	M1O	05-004/11:47:36.4		NOTE: North Pole Crossing 13567		05-004/11:29:05.3
9246	M1O	05-004/11:49:19.5		NOTE: Apoapsis 13567 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 7, 2005-002T11:41:54.200, 2005-004T11:41:54.200		
9253	M1O	05-004/12:00:42.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2005-002T11:41:54.200, 2005-004T11:41:54.200	PCKTS_RE_TX_TIME	05-004/11:42:11.8
9254	M1O	05-004/12:00:43.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2005-002T11:41:54.200, 2005-004T11:41:54.200	PCKTS_RE_TX_TIME	05-004/11:42:12.8
9255	M1O	05-004/12:00:44.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2005-002T11:41:54.200, 2005-004T11:41:54.200	PCKTS_RE_TX_TIME	05-004/11:42:13.8
9256	M1O	05-004/12:00:45.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2005-002T11:41:54.200, 2005-004T11:41:54.200	PCKTS_RE_TX_TIME	05-004/11:42:14.8
9257	M1O	05-004/12:00:45.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	05-004/11:42:14.8
9258	M1O	05-004/12:00:45.8	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9259	M1O	05-004/12:10:46.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-004/11:52:15.8
9260	M1O	05-004/12:10:46.8	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9261	M1O	05-004/12:10:47.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-004/11:52:16.8
9262	M1O	05-004/12:11:03.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-004/11:52:32.8
9263	M1O	05-004/12:11:03.8	63	D/L RF Warning: SC antenna change - expect signal level variation		
9264	M1O	05-004/12:11:04.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-004/11:52:33.8
9265	M1O	05-004/12:11:33.1		CALL, Engine = , Parameters = FALSE	park_hga	05-004/11:53:02.1
9266	M1O	05-004/12:11:33.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-004/11:53:02.1
9267	M1O	05-004/12:11:34.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-004/11:53:03.1
9268	M1O	05-004/12:11:35.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-004/11:53:04.1
9269	M1O	05-004/12:11:35.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-004/11:53:04.1
9270	M1O	05-004/12:11:35.1		NOTE: START HGA PARK		
9271	M1O	05-004/12:11:35.1	63	NOTE: Loss Of X-Band Signal		
9272	M1O	05-004/12:11:36.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-004/11:53:05.1
9273	M1O	05-004/12:11:37.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-004/11:53:06.1
9274	M1O	05-004/12:16:07.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	05-004/11:57:36.1
9275	M1O	05-004/12:17:36.6		NOTE: Descending Node Crossing 13568		05-004/11:59:05.6
9276	M1O	05-004/12:19:37.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-004/12:01:06.1
9277	M1O	05-004/12:19:37.1		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	05-004/12:01:06.1
9278	M1O	05-004/12:46:56.5		NOTE: South Pole Crossing 13568		05-004/12:28:25.5
9279	M1O	05-004/12:48:00.7		NOTE: Periapsis 13568		05-004/12:29:29.8

9280	M1O	05-004/12:49:36.9		GV: GV_DESAT_ACTIVE = 1		05-004/12:31:06.0
9281	M1O	05-004/12:49:37.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	05-004/12:31:07.0
9282	M1O	05-004/12:49:37.9		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	05-004/12:31:07.0
9283	M1O	05-004/12:59:36.9		GV: GV_DESAT_ACTIVE = 0		05-004/12:41:06.0
9284	M1O	05-004/12:59:37.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	05-004/12:41:07.0
9285	M1O	05-004/12:59:38.9		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	05-004/12:41:08.0
9286	M1O	05-004/12:59:39.9		CALL, Engine = , Parameters =	unpark_hga	05-004/12:41:09.0
9287	M1O	05-004/12:59:39.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-004/12:41:09.0
9288	M1O	05-004/12:59:40.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-004/12:41:10.0
9289	M1O	05-004/13:00:00.0	14	Begin Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9290	M1O	05-004/13:02:15.9		NOTE: ENTER HGA KEEP OUT ZONE		
9291	M1O	05-004/13:03:13.7		NOTE: Enter Planetary Atmosphere 13568		05-004/12:44:42.8
9292	M1O	05-004/13:04:10.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	05-004/12:45:40.0
9293	M1O	05-004/13:04:11.9		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	05-004/12:45:41.0
9294	M1O	05-004/13:05:07.4		NOTE: Enter Earth Occultation 13568		05-004/12:46:36.5
9295	M1O	05-004/13:08:11.9		NOTE: EXIT HGA PARK		
9296	M1O	05-004/13:09:15.8		NOTE: EXIT HGA KEEP OUT ZONE		
9297	M1O	05-004/13:13:02.0	14	NOTE: Above Uplink Interlock Limit		
9298	M1O	05-004/13:15:00.0	63	End Tracking		
9299	M1O	05-004/13:16:13.5		NOTE: Ascending Node Crossing 13568		05-004/12:57:42.7
9300	M1O	05-004/13:19:51.9		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	05-004/13:01:21.0
9301	M1O	05-004/13:19:52.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-004/13:01:21.1
9302	M1O	05-004/13:19:53.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-004/13:01:22.1
9303	M1O	05-004/13:19:54.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-004/13:01:23.1
9304	M1O	05-004/13:19:55.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-004/13:01:24.1
9305	M1O	05-004/13:19:56.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-004/13:01:25.1
9306	M1O	05-004/13:20:06.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-004/13:01:35.1
9307	M1O	05-004/13:20:16.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-004/13:01:45.1
9308	M1O	05-004/13:20:16.9		NOTE: Exit Earth Occultation 13568		05-004/13:01:46.0
9309	M1O	05-004/13:20:16.9	14	Acquisition Of X-Band Signal		
9310	M1O	05-004/13:20:16.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9311	M1O	05-004/13:22:07.1		NOTE: Exit Planetary Atmosphere 13568		05-004/13:03:36.2
9312	M1O	05-004/13:27:16.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-004/13:08:45.1
9313	M1O	05-004/13:27:17.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-004/13:08:46.1
9314	M1O	05-004/13:27:17.0	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9315	M1O	05-004/13:27:18.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-004/13:08:47.1
9316	M1O	05-004/13:30:00.0	63	End Post-Cal		
9317	M1O	05-004/13:46:11.8		NOTE: North Pole Crossing 13568		05-004/13:27:41.0
9318	M1O	05-004/13:47:49.3		NOTE: Apoapsis 13568 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9334	M1O	05-004/15:18:54.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9335	M1O	05-004/15:20:44.2		NOTE: Exit Planetary Atmosphere 13569		05-004/15:02:13.6
9336	M1O	05-004/15:23:54.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-004/15:05:23.7
9337	M1O	05-004/15:23:54.3	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9338	M1O	05-004/15:23:55.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-004/15:05:24.7
9339	M1O	05-004/15:44:47.6		NOTE: North Pole Crossing 13569		05-004/15:26:17.0
9340	M1O	05-004/15:46:11.1		NOTE: Apoapsis 13569 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
9378	M1O	05-004/17:23:04.5	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9379	M1O	05-004/17:23:05.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-004/17:04:35.2
9380	M1O	05-004/17:43:22.2		NOTE: North Pole Crossing 13570		05-004/17:24:51.9
9381	M1O	05-004/17:44:34.8		NOTE: Apoapsis 13570 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9421	M1O	05-004/20:45:37.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2005-002T20:26:51.200, 2005-004T20:26:51.200	PCKTS_RE_TX_TIME	05-004/20:27:07.8
9422	M1O	05-004/20:45:38.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2005-002T20:26:51.200, 2005-004T20:26:51.200	PCKTS_RE_TX_TIME	05-004/20:27:08.8
9423	M1O	05-004/20:45:39.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2005-002T20:26:51.200, 2005-004T20:26:51.200	PCKTS_RE_TX_TIME	05-004/20:27:09.8
9424	M1O	05-004/20:45:40.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2005-002T20:26:51.200, 2005-004T20:26:51.200	PCKTS_RE_TX_TIME	05-004/20:27:10.8
9425	M1O	05-004/20:45:41.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2005-002T20:26:51.200, 2005-004T20:26:51.200	PCKTS_RE_TX_TIME	05-004/20:27:11.8
9426	M1O	05-004/20:45:41.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	05-004/20:27:11.8
9427	M1O	05-004/20:45:41.6	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9428	M1O	05-004/20:55:42.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-004/20:37:12.8
9429	M1O	05-004/20:55:42.6	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9430	M1O	05-004/20:55:43.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-004/20:37:13.8
9431	M1O	05-004/20:55:59.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-004/20:37:29.8
9432	M1O	05-004/20:55:59.6	14	D/L RF Warning: SC antenna change - expect signal level variation		
9433	M1O	05-004/20:56:00.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-004/20:37:30.8
9434	M1O	05-004/20:56:30.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9435	M1O	05-004/20:56:32.8		NOTE: ENTER HGA KEEP OUT ZONE		
9436	M1O	05-004/20:56:32.8	14	NOTE: Loss Of X-Band Signal		
9437	M1O	05-004/20:57:34.4		NOTE: Enter Planetary Atmosphere 13572		05-004/20:39:04.6
9438	M1O	05-004/20:59:27.9		NOTE: Enter Earth Occultation 13572		05-004/20:40:58.1
9439	M1O	05-004/21:03:32.8		NOTE: EXIT HGA KEEP OUT ZONE		
9440	M1O	05-004/21:07:32.0	14	NOTE: Below Uplink Interlock Limit		
9441	M1O	05-004/21:10:28.1		NOTE: Ascending Node Crossing 13572		05-004/20:51:58.3
9442	M1O	05-004/21:14:40.6		NOTE: Exit Earth Occultation 13572		05-004/20:56:10.9
9443	M1O	05-004/21:14:40.6	14	Acquisition Of X-Band Signal		
9444	M1O	05-004/21:14:40.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9445	M1O	05-004/21:16:30.7		NOTE: Exit Planetary Atmosphere 13572		05-004/20:58:00.9
9446	M1O	05-004/21:20:00.0	14	End Tracking		
9447	M1O	05-004/21:35:00.0	14	End Post-Cal		
9448	M1O	05-004/21:40:24.5		NOTE: North Pole Crossing 13572		05-004/21:21:54.8
9449	M1O	05-004/21:41:44.9		NOTE: Apoapsis 13572 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET

9466	M1O	05-004/22:49:34.3		SPAWN, Engine = 65535, Parameters = 00:30:09.491	cstr	05-004/22:31:04.8
9467	M1O	05-004/22:49:34.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-004/22:31:04.9
9468	M1O	05-004/22:49:35.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-004/22:31:05.9
9469	M1O	05-004/22:49:36.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-004/22:31:06.9
9470	M1O	05-004/22:49:37.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-004/22:31:07.9
9471	M1O	05-004/22:49:38.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-004/22:31:08.9
9472	M1O	05-004/22:49:48.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-004/22:31:18.9
9473	M1O	05-004/22:49:58.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-004/22:31:28.9
9474	M1O	05-004/22:50:00.0	43	Begin Tracking		
9475	M1O	05-004/22:50:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9476	M1O	05-004/22:51:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9477	M1O	05-004/22:55:03.5		NOTE: ENTER HGA KEEP OUT ZONE		
9478	M1O	05-004/22:55:03.5	43	NOTE: Loss Of X-Band Signal		
9479	M1O	05-004/22:56:00.0	43	Range Modulation On: SUP=3.0dB		
9480	M1O	05-004/22:56:05.3		NOTE: Enter Planetary Atmosphere 13573		05-004/22:37:35.8
9481	M1O	05-004/22:57:00.0	43	Begin Ranging Acquisition		
9482	M1O	05-004/22:57:59.2		NOTE: Enter Earth Occultation 13573		05-004/22:39:29.6
9483	M1O	05-004/23:02:03.5		NOTE: EXIT HGA KEEP OUT ZONE		
9484	M1O	05-004/23:08:58.8		NOTE: Ascending Node Crossing 13573		05-004/22:50:29.3
9485	M1O	05-004/23:13:08.8		NOTE: Exit Earth Occultation 13573		05-004/22:54:39.3
9486	M1O	05-004/23:13:08.8	43	Acquisition Of X-Band Signal		
9487	M1O	05-004/23:13:08.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9488	M1O	05-004/23:14:59.0		NOTE: Exit Planetary Atmosphere 13573		05-004/22:56:29.5
9489	M1O	05-004/23:20:07.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-004/23:01:38.4
9490	M1O	05-004/23:20:08.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-004/23:01:39.4
9491	M1O	05-004/23:20:08.9	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9492	M1O	05-004/23:20:09.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-004/23:01:40.4
9493	M1O	05-004/23:26:57.8		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-004/23:08:28.3
9494	M1O	05-004/23:26:59.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-004/23:08:30.4
9495	M1O	05-004/23:26:59.9	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9496	M1O	05-004/23:27:00.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-004/23:08:31.4
9497	M1O	05-004/23:27:59.0	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9498	M1O	05-004/23:32:59.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-004/23:14:30.4
9499	M1O	05-004/23:32:59.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9500	M1O	05-004/23:33:00.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-004/23:14:31.4
9501	M1O	05-004/23:38:56.4		NOTE: North Pole Crossing 13573		05-004/23:20:27.0
9502	M1O	05-004/23:39:57.9		NOTE: Apoapsis 13573 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9509	M1O	05-005/00:38:16.0		NOTE: South Pole Crossing 13574		05-005/00:19:46.7
9510	M1O	05-005/00:38:56.7		NOTE: Periapsis 13574		05-005/00:20:27.4

9511	M1O	05-005/00:40:16.0	43	Range Modulation On: SUP=3.0dB		
9512	M1O	05-005/00:41:16.0	43	Begin Ranging Acquisition		
9513	M1O	05-005/00:52:12.7		SPAWN, Engine = 65535, Parameters = 00:25:00	dpt	05-005/00:33:43.5
9514	M1O	05-005/00:52:14.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-005/00:33:45.6
9515	M1O	05-005/00:52:14.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9516	M1O	05-005/00:52:15.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-005/00:33:46.6
9517	M1O	05-005/00:53:14.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9518	M1O	05-005/00:53:16.2		NOTE: ENTER HGA KEEP OUT ZONE		
9519	M1O	05-005/00:53:16.2	43	NOTE: Loss Of X-Band Signal		
9520	M1O	05-005/00:54:42.0		NOTE: Enter Planetary Atmosphere 13574		05-005/00:36:12.7
9521	M1O	05-005/00:56:35.9		NOTE: Enter Earth Occultation 13574		05-005/00:38:06.7
9522	M1O	05-005/01:00:36.2		NOTE: EXIT HGA KEEP OUT ZONE		
9523	M1O	05-005/01:07:33.8		NOTE: Ascending Node Crossing 13574		05-005/00:49:04.6
9524	M1O	05-005/01:11:42.9		NOTE: Exit Earth Occultation 13574		05-005/00:53:13.7
9525	M1O	05-005/01:11:42.9	43	Acquisition Of X-Band Signal		
9526	M1O	05-005/01:11:42.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9527	M1O	05-005/01:12:14.6	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9528	M1O	05-005/01:13:33.4		NOTE: Exit Planetary Atmosphere 13574		05-005/00:55:04.1
9529	M1O	05-005/01:17:14.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-005/00:58:45.6
9530	M1O	05-005/01:17:14.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9531	M1O	05-005/01:17:15.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-005/00:58:46.6
9532	M1O	05-005/01:37:31.3		NOTE: North Pole Crossing 13574		05-005/01:19:02.1
9533	M1O	05-005/01:38:44.2		NOTE: Apoapsis 13574 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9554	M1O	05-005/03:10:22.0		NOTE: Exit Earth Occultation 13575		05-005/02:51:53.0
9555	M1O	05-005/03:10:22.0	43	Acquisition Of X-Band Signal		
9556	M1O	05-005/03:10:22.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9557	M1O	05-005/03:10:53.0	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9558	M1O	05-005/03:12:12.2		NOTE: Exit Planetary Atmosphere 13575		05-005/02:53:43.2
9559	M1O	05-005/03:15:53.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-005/02:57:24.6
9560	M1O	05-005/03:15:53.5	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9561	M1O	05-005/03:15:54.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-005/02:57:25.6
9562	M1O	05-005/03:36:07.0		NOTE: North Pole Crossing 13575		05-005/03:17:38.1
9563	M1O	05-005/03:37:51.8		NOTE: Apoapsis 13575 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9602	M1O	05-005/05:10:50.8		NOTE: Exit Planetary Atmosphere 13576		05-005/04:52:22.1
9603	M1O	05-005/05:14:33.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-005/04:56:04.6
9604	M1O	05-005/05:14:33.2	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9605	M1O	05-005/05:14:34.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-005/04:56:05.6
9606	M1O	05-005/05:20:00.0	43	Range Modulation Off		
9607	M1O	05-005/05:25:00.0	43	X-Band Transmitter Off		
9608	M1O	05-005/05:34:42.1		NOTE: North Pole Crossing 13576		05-005/05:16:13.5
9609	M1O	05-005/05:36:39.2		NOTE: Apoapsis 13576 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9640	M1O	05-005/06:48:20.4		SPAWN, Engine = 65535, Parameters = 00:24:47.677	dpt	05-005/06:29:52.0
9641	M1O	05-005/06:48:22.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-005/06:29:54.1
9642	M1O	05-005/06:48:22.5	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9643	M1O	05-005/06:48:23.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-005/06:29:55.1
9644	M1O	05-005/06:49:22.4		NOTE: ENTER HGA KEEP OUT ZONE		
9645	M1O	05-005/06:49:22.4	65	NOTE: Loss Of X-Band Signal		
9646	M1O	05-005/06:50:24.7		NOTE: Enter Planetary Atmosphere 13577		05-005/06:31:56.2
9647	M1O	05-005/06:52:17.4		NOTE: Enter Earth Occultation 13577		05-005/06:33:48.9
9648	M1O	05-005/06:56:42.4		NOTE: EXIT HGA KEEP OUT ZONE		
9649	M1O	05-005/07:03:18.0		NOTE: Ascending Node Crossing 13577		05-005/06:44:49.6
9650	M1O	05-005/07:07:38.1		NOTE: Exit Earth Occultation 13577		05-005/06:49:09.7
9651	M1O	05-005/07:07:38.1	65	Acquisition Of X-Band Signal		
9652	M1O	05-005/07:07:38.1	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9653	M1O	05-005/07:08:09.9	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9654	M1O	05-005/07:09:27.3		NOTE: Exit Planetary Atmosphere 13577		05-005/06:50:58.9
9655	M1O	05-005/07:13:10.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-005/06:54:41.7
9656	M1O	05-005/07:13:10.1	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9657	M1O	05-005/07:13:11.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-005/06:54:42.7
9658	M1O	05-005/07:18:28.4		SPAWN, Engine = 65535, Parameters =	scdiag	05-005/07:00:00.0
9659	M1O	05-005/07:18:29.5		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	05-005/07:00:01.1
9660	M1O	05-005/07:18:30.5		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	05-005/07:00:02.1
9661	M1O	05-005/07:19:31.4		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	05-005/07:01:03.0
9662	M1O	05-005/07:19:31.6		NOTE: Start Block fsw_diag		05-005/07:01:03.2
9663	M1O	05-005/07:19:32.6		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	05-005/07:01:04.2
9664	M1O	05-005/07:19:33.6		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	05-005/07:01:05.2
9665	M1O	05-005/07:19:44.6		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	05-005/07:01:16.2
9666	M1O	05-005/07:20:14.5		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	05-005/07:01:46.2
9667	M1O	05-005/07:20:34.5		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	05-005/07:02:06.2
9668	M1O	05-005/07:20:44.5		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	05-005/07:02:16.2
9669	M1O	05-005/07:21:04.5		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	05-005/07:02:36.2
9670	M1O	05-005/07:21:14.5		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	05-005/07:02:46.2
9671	M1O	05-005/07:21:19.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	05-005/07:02:51.2
9672	M1O	05-005/07:21:24.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	05-005/07:02:56.2
9673	M1O	05-005/07:21:29.5		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	05-005/07:03:01.2
9674	M1O	05-005/07:21:34.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	05-005/07:03:06.2
9675	M1O	05-005/07:21:39.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	05-005/07:03:11.2
9676	M1O	05-005/07:22:19.5		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	05-005/07:03:51.2
9677	M1O	05-005/07:22:24.5		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	05-005/07:03:56.2
9678	M1O	05-005/07:22:29.5		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	05-005/07:04:01.2
9679	M1O	05-005/07:22:34.5		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	05-005/07:04:06.2
9680	M1O	05-005/07:22:39.5		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	05-005/07:04:11.2
9681	M1O	05-005/07:22:40.5		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	05-005/07:04:12.2
9682	M1O	05-005/07:22:41.5		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	05-005/07:04:13.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9683	M1O	05-005/07:22:42.5		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	05-005/07:04:14.2
9684	M1O	05-005/07:22:53.5		NOTE: End Block fsw_diag.mod		05-005/07:04:25.2
9685	M1O	05-005/07:33:14.8		NOTE: North Pole Crossing 13577		05-005/07:14:46.4
9686	M1O	05-005/07:34:57.2		NOTE: Apoapsis 13577 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9728	M1O	05-005/10:45:21.7	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9729	M1O	05-005/10:45:22.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-005/10:26:54.7
9730	M1O	05-005/10:46:20.9	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9731	M1O	05-005/10:46:22.9		NOTE: ENTER HGA KEEP OUT ZONE		
9732	M1O	05-005/10:46:22.9	65	NOTE: Loss Of X-Band Signal		
9733	M1O	05-005/10:47:30.9		NOTE: Enter Planetary Atmosphere 13579		05-005/10:29:03.0
9734	M1O	05-005/10:49:23.9		NOTE: Enter Earth Occultation 13579		05-005/10:30:56.0
9735	M1O	05-005/10:53:42.9		NOTE: EXIT HGA KEEP OUT ZONE		
9736	M1O	05-005/11:00:19.7		NOTE: Ascending Node Crossing 13579		05-005/10:41:51.8
9737	M1O	05-005/11:02:45.0	65	NOTE: X-Band Transmitter Off in 15 minutes		
9738	M1O	05-005/11:04:40.6		NOTE: Exit Earth Occultation 13579		05-005/10:46:12.7
9739	M1O	05-005/11:04:40.6	65	Acquisition Of X-Band Signal		
9740	M1O	05-005/11:04:40.6	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9741	M1O	05-005/11:05:00.0	14	Begin Pre-Cal		
9742	M1O	05-005/11:05:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
9743	M1O	05-005/11:05:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9744	M1O	05-005/11:05:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9745	M1O	05-005/11:05:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
9746	M1O	05-005/11:05:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
9747	M1O	05-005/11:05:00.0	14	Config: RCV: Parms:		
9748	M1O	05-005/11:05:00.0	14	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
9749	M1O	05-005/11:05:00.0	14	Config: TGC: BAND=X, SR=238896.000000		
9750	M1O	05-005/11:05:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
9751	M1O	05-005/11:05:11.9	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9752	M1O	05-005/11:06:30.0		NOTE: Exit Planetary Atmosphere 13579		05-005/10:48:02.1
9753	M1O	05-005/11:10:12.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-005/10:51:44.7
9754	M1O	05-005/11:10:12.6	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9755	M1O	05-005/11:10:13.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-005/10:51:45.7
9756	M1O	05-005/11:12:45.0	65	Range Modulation Off		
9757	M1O	05-005/11:17:45.0	65	X-Band Transmitter Off		
9758	M1O	05-005/11:30:16.2		NOTE: North Pole Crossing 13579		05-005/11:11:48.4
9759	M1O	05-005/11:31:48.6		NOTE: Apoapsis 13579 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9771	M1O	05-005/11:43:27.5	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9772	M1O	05-005/11:53:28.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-005/11:35:00.8
9773	M1O	05-005/11:53:28.5	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9774	M1O	05-005/11:53:29.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-005/11:35:01.8
9775	M1O	05-005/11:53:59.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	05-005/11:35:31.8
9776	M1O	05-005/11:53:59.5	65	NOTE: Loss Of X-Band Signal		
9777	M1O	05-005/11:54:09.5		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	05-005/11:35:41.8
9778	M1O	05-005/11:54:10.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-005/11:35:42.8
9779	M1O	05-005/11:54:11.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-005/11:35:43.8
9780	M1O	05-005/11:54:14.8		CALL, Engine = , Parameters = FALSE	park_hga	05-005/11:35:47.1
9781	M1O	05-005/11:54:14.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-005/11:35:47.1
9782	M1O	05-005/11:54:15.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-005/11:35:48.1
9783	M1O	05-005/11:54:16.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-005/11:35:49.1
9784	M1O	05-005/11:54:16.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-005/11:35:49.1
9785	M1O	05-005/11:54:16.8		NOTE: START HGA PARK		
9786	M1O	05-005/11:54:17.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-005/11:35:50.1
9787	M1O	05-005/11:54:18.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-005/11:35:51.1
9788	M1O	05-005/11:58:48.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	05-005/11:40:21.1
9789	M1O	05-005/12:00:15.4		NOTE: Descending Node Crossing 13580		05-005/11:41:47.6
9790	M1O	05-005/12:02:18.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-005/11:43:51.1
9791	M1O	05-005/12:02:18.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	05-005/11:43:51.1
9792	M1O	05-005/12:26:49.0	65	TXR On: PWR=20.0, Band=X		
9793	M1O	05-005/12:29:35.2		NOTE: South Pole Crossing 13580		05-005/12:11:07.5
9794	M1O	05-005/12:30:30.0		NOTE: Periapsis 13580		05-005/12:12:02.3

9795	M1O	05-005/12:31:49.0	65	Range Modulation On: SUP=3.0dB		
9796	M1O	05-005/12:32:18.6		GV: GV_DESAT_ACTIVE = 1		05-005/12:13:51.0
9797	M1O	05-005/12:32:19.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	05-005/12:13:52.0
9798	M1O	05-005/12:32:19.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	05-005/12:13:52.0
9799	M1O	05-005/12:32:49.0	65	Begin Ranging Acquisition		
9800	M1O	05-005/12:42:18.6		GV: GV_DESAT_ACTIVE = 0		05-005/12:23:51.0
9801	M1O	05-005/12:42:19.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	05-005/12:23:52.0
9802	M1O	05-005/12:42:20.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	05-005/12:23:53.0
9803	M1O	05-005/12:42:21.6		CALL, Engine = , Parameters =	unpark_hga	05-005/12:23:54.0
9804	M1O	05-005/12:42:21.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-005/12:23:54.0
9805	M1O	05-005/12:42:22.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-005/12:23:55.0
9806	M1O	05-005/12:44:34.6		NOTE: ENTER HGA KEEP OUT ZONE		
9807	M1O	05-005/12:46:03.1		NOTE: Enter Planetary Atmosphere 13580		05-005/12:27:35.5
9808	M1O	05-005/12:46:52.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	05-005/12:28:25.0
9809	M1O	05-005/12:46:53.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	05-005/12:28:26.0
9810	M1O	05-005/12:47:55.9		NOTE: Enter Earth Occultation 13580		05-005/12:29:28.3
9811	M1O	05-005/12:50:00.0	65	NOTE: X-Band Transmitter Off in 15 minutes		
9812	M1O	05-005/12:50:53.6		NOTE: EXIT HGA PARK		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9813	M1O	05-005/12:52:14.6		NOTE: EXIT HGA KEEP OUT ZONE		
9814	M1O	05-005/12:58:52.8		NOTE: Ascending Node Crossing 13580		05-005/12:40:25.2
9815	M1O	05-005/13:00:00.0	65	Range Modulation Off		
9816	M1O	05-005/13:02:47.9		SPAWN, Engine = 65535, Parameters = 00:08:46.936	cstr	05-005/12:44:20.3
9817	M1O	05-005/13:02:48.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-005/12:44:20.4
9818	M1O	05-005/13:02:49.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-005/12:44:21.4
9819	M1O	05-005/13:02:50.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-005/12:44:22.4
9820	M1O	05-005/13:02:51.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-005/12:44:23.4
9821	M1O	05-005/13:02:52.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-005/12:44:24.4
9822	M1O	05-005/13:03:02.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-005/12:44:34.4
9823	M1O	05-005/13:03:12.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-005/12:44:44.4
9824	M1O	05-005/13:03:12.9		NOTE: Exit Earth Occultation 13580		05-005/12:44:45.3
9825	M1O	05-005/13:03:12.9	65	Acquisition Of X-Band Signal		
9826	M1O	05-005/13:03:12.9	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9827	M1O	05-005/13:03:44.3	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9828	M1O	05-005/13:04:59.8		NOTE: Changing to 70M downlink rate: 39816_BPS		05-005/12:46:32.2
9829	M1O	05-005/13:04:59.8		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	05-005/12:46:32.2
9830	M1O	05-005/13:04:59.8	65	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9831	M1O	05-005/13:05:00.0	14	Begin Tracking		
9832	M1O	05-005/13:05:00.0	14	Acquire D/L: X/08, 3-Way/65, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9833	M1O	05-005/13:05:00.0	65	X-Band Transmitter Off		
9834	M1O	05-005/13:05:02.2		NOTE: Exit Planetary Atmosphere 13580		05-005/12:46:34.6
9835	M1O	05-005/13:11:58.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-005/12:53:31.3
9836	M1O	05-005/13:11:59.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-005/12:53:32.3
9837	M1O	05-005/13:11:59.9	14	D/L Change: X/08, 3-Way/65, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9838	M1O	05-005/13:11:59.9	65	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9839	M1O	05-005/13:12:00.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-005/12:53:33.3
9840	M1O	05-005/13:12:33.0	14	NOTE: Above Uplink Interlock Limit		
9841	M1O	05-005/13:15:38.0	65	NOTE: Below Uplink Interlock Limit		
9842	M1O	05-005/13:25:00.0	65	End Tracking		
9843	M1O	05-005/13:28:50.7		NOTE: North Pole Crossing 13580		05-005/13:10:23.1
9844	M1O	05-005/13:30:22.9		NOTE: Apoapsis 13580 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
9854	M1O	05-005/13:58:51.2		NOTE: Descending Node Crossing 13581		05-005/13:40:23.8
9855	M1O	05-005/14:28:11.0		NOTE: South Pole Crossing 13581		05-005/14:09:43.5
9856	M1O	05-005/14:29:09.6		NOTE: Periapsis 13581		05-005/14:10:42.2

9857	M1O	05-005/14:42:08.3		SPAWN, Engine = 65535, Parameters = 00:24:38.760	dpt	05-005/14:23:41.0
9858	M1O	05-005/14:42:10.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-005/14:23:43.1
9859	M1O	05-005/14:42:10.4	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9860	M1O	05-005/14:42:11.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-005/14:23:44.1
9861	M1O	05-005/14:43:10.3		NOTE: ENTER HGA KEEP OUT ZONE		
9862	M1O	05-005/14:43:10.3	14	NOTE: Loss Of X-Band Signal		
9863	M1O	05-005/14:44:36.4		NOTE: Enter Planetary Atmosphere 13581		05-005/14:26:09.0
9864	M1O	05-005/14:46:28.9		NOTE: Enter Earth Occultation 13581		05-005/14:28:01.5
9865	M1O	05-005/14:51:10.3		NOTE: EXIT HGA KEEP OUT ZONE		
9866	M1O	05-005/14:57:28.1		NOTE: Ascending Node Crossing 13581		05-005/14:39:00.7
9867	M1O	05-005/15:01:49.1		NOTE: Exit Earth Occultation 13581		05-005/14:43:21.7
9868	M1O	05-005/15:01:49.1	14	Acquisition Of X-Band Signal		
9869	M1O	05-005/15:01:49.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9870	M1O	05-005/15:03:38.0		NOTE: Exit Planetary Atmosphere 13581		05-005/14:45:10.7
9871	M1O	05-005/15:06:49.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-005/14:48:21.8
9872	M1O	05-005/15:06:49.1	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9873	M1O	05-005/15:06:50.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-005/14:48:22.8
9874	M1O	05-005/15:27:26.4		NOTE: North Pole Crossing 13581		05-005/15:08:59.1
9875	M1O	05-005/15:28:49.9		NOTE: Apoapsis 13581 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9896	M1O	05-005/17:26:01.8		NOTE: North Pole Crossing 13582		05-005/17:07:34.8
9897	M1O	05-005/17:27:10.4		NOTE: Apoapsis 13582 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9941	M1O	05-005/20:06:53.4	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9942	M1O	05-005/20:11:53.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-005/19:53:27.1
9943	M1O	05-005/20:11:53.7	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9944	M1O	05-005/20:11:54.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-005/19:53:28.1
9945	M1O	05-005/20:21:17.0	14	TXR On: PWR=20.0, Band=X		
9946	M1O	05-005/20:23:53.3		NOTE: South Pole Crossing 13584		05-005/20:05:26.7
9947	M1O	05-005/20:24:50.0		NOTE: Periapsis 13584 ----------		05-005/20:06:23.4
9948	M1O	05-005/20:26:17.0	14	Range Modulation On: SUP=3.0dB		
9949	M1O	05-005/20:27:17.0	14	Begin Ranging Acquisition		
9950	M1O	05-005/20:37:49.5		SPAWN, Engine = 65535, Parameters = 00:25:19	dpt	05-005/20:19:23.0
9951	M1O	05-005/20:37:51.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-005/20:19:25.1
9952	M1O	05-005/20:37:51.6	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9953	M1O	05-005/20:37:52.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-005/20:19:26.1
9954	M1O	05-005/20:38:51.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9955	M1O	05-005/20:38:53.5		NOTE: ENTER HGA KEEP OUT ZONE		
9956	M1O	05-005/20:38:53.5	14	NOTE: Loss Of X-Band Signal		
9957	M1O	05-005/20:40:00.0	43	Begin Tracking		
9958	M1O	05-005/20:40:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
9959	M1O	05-005/20:40:24.8		NOTE: Enter Planetary Atmosphere 13584		05-005/20:21:58.3
9960	M1O	05-005/20:42:17.3		NOTE: Enter Earth Occultation 13584		05-005/20:23:50.7
9961	M1O	05-005/20:46:53.5		NOTE: EXIT HGA KEEP OUT ZONE		
9962	M1O	05-005/20:50:00.0	14	Range Modulation Off		
9963	M1O	05-005/20:53:09.9		NOTE: Ascending Node Crossing 13584		05-005/20:34:43.4
9964	M1O	05-005/20:55:00.0	14	X-Band Transmitter Off		
9965	M1O	05-005/20:57:39.2		NOTE: Exit Earth Occultation 13584		05-005/20:39:12.7
9966	M1O	05-005/20:57:39.2	14	Acquisition Of X-Band Signal		
9967	M1O	05-005/20:57:39.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9968	M1O	05-005/20:57:39.2	43	Acquisition Of X-Band Signal		
9969	M1O	05-005/20:57:39.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9970	M1O	05-005/20:58:10.1	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9971	M1O	05-005/20:58:10.1	43	Acquire D/L: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9972	M1O	05-005/20:59:28.2		NOTE: Exit Planetary Atmosphere 13584		05-005/20:41:01.7
9973	M1O	05-005/21:03:10.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-005/20:44:44.1
9974	M1O	05-005/21:03:10.6	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9975	M1O	05-005/21:03:10.6	43	D/L Change: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9976	M1O	05-005/21:03:11.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-005/20:44:45.1
9977	M1O	05-005/21:05:59.0	14	NOTE: Below Uplink Interlock Limit		
9978	M1O	05-005/21:20:00.0	14	End Tracking		
9979	M1O	05-005/21:23:06.1		NOTE: North Pole Crossing 13584		05-005/21:04:39.6
9980	M1O	05-005/21:24:26.1		NOTE: Apoapsis 13584 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
9984	M1O	05-005/21:30:54.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-005/21:12:28.1
9985	M1O	05-005/21:31:53.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9986	M1O	05-005/21:35:00.0	14	End Post-Cal		
9987	M1O	05-005/21:36:53.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-005/21:18:27.1
9988	M1O	05-005/21:36:53.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9989	M1O	05-005/21:36:54.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-005/21:18:28.1
9990	M1O	05-005/21:53:04.7		NOTE: Descending Node Crossing 13585		05-005/21:34:38.3
9991	M1O	05-005/22:22:23.0		NOTE: South Pole Crossing 13585		05-005/22:03:56.7
9992	M1O	05-005/22:23:08.6		NOTE: Periapsis 13585		05-005/22:04:42.3

9993	M1O	05-005/22:36:22.2		SPAWN, Engine = 65535, Parameters = 00:24:43.377	dpt	05-005/22:17:56.0
9994	M1O	05-005/22:36:24.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-005/22:17:58.1
9995	M1O	05-005/22:36:24.3	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9996	M1O	05-005/22:36:25.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-005/22:17:59.1
9997	M1O	05-005/22:37:24.2		NOTE: ENTER HGA KEEP OUT ZONE		
9998	M1O	05-005/22:37:24.2	43	NOTE: Loss Of X-Band Signal		
9999	M1O	05-005/22:38:53.5		NOTE: Enter Planetary Atmosphere 13585		05-005/22:20:27.2
10000	M1O	05-005/22:40:46.0		NOTE: Enter Earth Occultation 13585		05-005/22:22:19.7
10001	M1O	05-005/22:45:24.2		NOTE: EXIT HGA KEEP OUT ZONE		
10002	M1O	05-005/22:51:39.2		NOTE: Ascending Node Crossing 13585		05-005/22:33:13.0
10003	M1O	05-005/22:56:07.6		NOTE: Exit Earth Occultation 13585		05-005/22:37:41.3
10004	M1O	05-005/22:56:07.6	43	Acquisition Of X-Band Signal		
10005	M1O	05-005/22:56:07.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10006	M1O	05-005/22:57:56.5		NOTE: Exit Planetary Atmosphere 13585		05-005/22:39:30.3
10007	M1O	05-005/23:01:07.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-005/22:42:41.4
10008	M1O	05-005/23:01:07.7	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10009	M1O	05-005/23:01:08.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-005/22:42:42.4
10010	M1O	05-005/23:21:36.6		NOTE: North Pole Crossing 13585		05-005/23:03:10.4
10011	M1O	05-005/23:22:39.6		NOTE: Apoapsis 13585 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10025	M1O	05-006/00:37:27.5		NOTE: Enter Planetary Atmosphere 13586		05-006/00:19:01.5
10026	M1O	05-006/00:39:20.4		NOTE: Enter Earth Occultation 13586		05-006/00:20:54.4
10027	M1O	05-006/00:43:56.0		NOTE: EXIT HGA KEEP OUT ZONE		
10028	M1O	05-006/00:50:12.1		NOTE: Ascending Node Crossing 13586		05-006/00:31:46.1
10029	M1O	05-006/00:54:37.3		NOTE: Exit Earth Occultation 13586		05-006/00:36:11.3
10030	M1O	05-006/00:54:37.3	43	Acquisition Of X-Band Signal		
10031	M1O	05-006/00:54:37.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10032	M1O	05-006/00:55:09.0	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10033	M1O	05-006/00:56:26.6		NOTE: Exit Planetary Atmosphere 13586		05-006/00:38:00.6
10034	M1O	05-006/01:00:09.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-006/00:41:43.2
10035	M1O	05-006/01:00:09.2	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10036	M1O	05-006/01:00:10.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-006/00:41:44.2
10037	M1O	05-006/01:20:10.2		NOTE: North Pole Crossing 13586		05-006/01:01:44.3
10038	M1O	05-006/01:21:00.7		NOTE: Apoapsis 13586 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10070	M1O	05-006/03:48:45.9		NOTE: Descending Node Crossing 13588		05-006/03:30:20.3
10071	M1O	05-006/03:51:12.0	43	Range Modulation Off		
10072	M1O	05-006/03:56:12.0	43	X-Band Transmitter Off		
10073	M1O	05-006/04:00:00.0	54	Begin Pre-Cal		
10074	M1O	05-006/04:00:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10075	M1O	05-006/04:00:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10076	M1O	05-006/04:00:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10077	M1O	05-006/04:00:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10078	M1O	05-006/04:00:00.0	54	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
10079	M1O	05-006/04:00:00.0	54	Config: RCV: Parms:		
10080	M1O	05-006/04:00:00.0	54	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
10081	M1O	05-006/04:00:00.0	54	Config: TGC: BAND=X, SR=85320.000000		
10082	M1O	05-006/04:00:00.0	54	Config: TXL		
10083	M1O	05-006/04:00:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
10084	M1O	05-006/04:00:00.0	54	Config: CMD		
10085	M1O	05-006/04:00:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
10086	M1O	05-006/04:15:35.0	43	TXR On: PWR=20.0, Band=X		
10087	M1O	05-006/04:18:06.6		NOTE: South Pole Crossing 13588		05-006/03:59:41.1
10088	M1O	05-006/04:19:14.9		NOTE: Periapsis 13588		05-006/04:00:49.4

10089	M1O	05-006/04:20:35.0	43	Range Modulation On: SUP=3.0dB		
10090	M1O	05-006/04:21:35.0	43	Begin Ranging Acquisition		
10091	M1O	05-006/04:32:01.6		SPAWN, Engine = 65535, Parameters = 00:25:23	dpt	05-006/04:13:36.1
10092	M1O	05-006/04:32:03.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-006/04:13:38.2
10093	M1O	05-006/04:32:03.7	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10094	M1O	05-006/04:32:04.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-006/04:13:39.2
10095	M1O	05-006/04:33:03.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10096	M1O	05-006/04:33:05.4		NOTE: ENTER HGA KEEP OUT ZONE		
10097	M1O	05-006/04:33:05.4	43	NOTE: Loss Of X-Band Signal		
10098	M1O	05-006/04:34:40.8		NOTE: Enter Planetary Atmosphere 13588		05-006/04:16:15.3
10099	M1O	05-006/04:36:33.0		NOTE: Enter Earth Occultation 13588		05-006/04:18:07.5
10100	M1O	05-006/04:41:05.4		NOTE: EXIT HGA KEEP OUT ZONE		
10101	M1O	05-006/04:47:24.5		NOTE: Ascending Node Crossing 13588		05-006/04:28:59.0
10102	M1O	05-006/04:51:54.6		NOTE: Exit Earth Occultation 13588		05-006/04:33:29.2
10103	M1O	05-006/04:51:54.6	43	Acquisition Of X-Band Signal		
10104	M1O	05-006/04:51:54.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10105	M1O	05-006/04:52:25.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10106	M1O	05-006/04:53:43.4		NOTE: Exit Planetary Atmosphere 13588		05-006/04:35:18.0
10107	M1O	05-006/04:57:26.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-006/04:39:01.2
10108	M1O	05-006/04:57:26.7	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10109	M1O	05-006/04:57:27.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-006/04:39:02.2
10110	M1O	05-006/05:08:09.3	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
10111	M1O	05-006/05:10:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
10112	M1O	05-006/05:17:21.7		NOTE: North Pole Crossing 13588		05-006/04:58:56.3
10113	M1O	05-006/05:19:03.0		NOTE: Apoapsis 13588 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10118	M1O	05-006/05:43:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-006/05:25:34.0
10119	M1O	05-006/05:43:59.3	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10120	M1O	05-006/05:44:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-006/05:25:35.0
10121	M1O	05-006/05:44:59.2		NOTE: Changing to 34M (BWG) downlink rate: 14220_BPS		05-006/05:26:33.9
10122	M1O	05-006/05:44:59.2		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	05-006/05:26:33.9
10123	M1O	05-006/05:44:59.2	43	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10124	M1O	05-006/05:45:00.0	43	End Tracking		
10125	M1O	05-006/05:45:00.0	54	Begin Tracking		
10126	M1O	05-006/05:45:00.0	54	Acquire D/L: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10127	M1O	05-006/05:47:21.9		NOTE: Descending Node Crossing 13589		05-006/05:28:56.6
10128	M1O	05-006/05:49:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-006/05:31:34.0
10129	M1O	05-006/05:49:59.3	54	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10130	M1O	05-006/05:50:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-006/05:31:35.0
10131	M1O	05-006/06:00:00.0	43	End Post-Cal		
10132	M1O	05-006/06:00:50.2		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-006/05:42:25.0
10133	M1O	05-006/06:00:52.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-006/05:42:27.1
10134	M1O	05-006/06:00:52.3	54	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10135	M1O	05-006/06:00:53.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-006/05:42:28.1
10136	M1O	05-006/06:01:50.0	54	NOTE: Above Uplink Interlock Limit		
10137	M1O	05-006/06:01:50.6	54	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10138	M1O	05-006/06:06:52.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-006/05:48:27.1
10139	M1O	05-006/06:06:52.3	54	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10140	M1O	05-006/06:06:53.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-006/05:48:28.1
10141	M1O	05-006/06:14:14.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10142	M1O	05-006/06:16:42.0		NOTE: South Pole Crossing 13589		05-006/05:58:16.8
10143	M1O	05-006/06:18:02.1		NOTE: Periapsis 13589		05-006/05:59:36.9

10144	M1O	05-006/06:19:14.0	54	Range Modulation On: SUP=3.0dB		
10145	M1O	05-006/06:20:14.0	54	Begin Ranging Acquisition		
10146	M1O	05-006/06:30:39.2		SPAWN, Engine = 65535, Parameters = 00:25:23.369	dpt	05-006/06:12:14.0
10147	M1O	05-006/06:30:41.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-006/06:12:16.1
10148	M1O	05-006/06:30:41.3	54	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10149	M1O	05-006/06:30:42.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-006/06:12:17.1
10150	M1O	05-006/06:31:41.2		NOTE: ENTER HGA KEEP OUT ZONE		
10151	M1O	05-006/06:31:41.2	54	NOTE: Loss Of X-Band Signal		
10152	M1O	05-006/06:33:13.8		NOTE: Enter Planetary Atmosphere 13589		05-006/06:14:48.6
10153	M1O	05-006/06:35:05.6		NOTE: Enter Earth Occultation 13589		05-006/06:16:40.4
10154	M1O	05-006/06:39:41.1		NOTE: EXIT HGA KEEP OUT ZONE		
10155	M1O	05-006/06:45:58.7		NOTE: Ascending Node Crossing 13589		05-006/06:27:33.6
10156	M1O	05-006/06:50:33.4		NOTE: Exit Earth Occultation 13589		05-006/06:32:08.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10157	M1O	05-006/06:50:33.4	54	Acquisition Of X-Band Signal		
10158	M1O	05-006/06:50:33.4	54	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10159	M1O	05-006/06:51:04.4	54	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10160	M1O	05-006/06:52:21.7		NOTE: Exit Planetary Atmosphere 13589		05-006/06:33:56.5
10161	M1O	05-006/06:54:59.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10162	M1O	05-006/06:56:04.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-006/06:37:39.4
10163	M1O	05-006/06:56:04.6	54	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10164	M1O	05-006/06:56:05.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-006/06:37:40.4
10165	M1O	05-006/07:04:59.0	54	Range Modulation Off		
10166	M1O	05-006/07:09:59.0	54	X-Band Transmitter Off		
10167	M1O	05-006/07:15:55.8		NOTE: North Pole Crossing 13589		05-006/06:57:30.7
10168	M1O	05-006/07:17:36.8		NOTE: Apoapsis 13589 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
10200	M1O	05-006/07:45:55.9		NOTE: Descending Node Crossing 13590		05-006/07:27:30.8
10201	M1O	05-006/07:46:49.1	54	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10202	M1O	05-006/07:51:49.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-006/07:33:24.4
10203	M1O	05-006/07:51:49.4	54	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10204	M1O	05-006/07:51:50.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-006/07:33:25.4
10205	M1O	05-006/08:15:14.6		NOTE: South Pole Crossing 13590		05-006/07:56:49.7
10206	M1O	05-006/08:16:21.3		NOTE: Periapsis 13590		05-006/07:57:56.4

10207	M1O	05-006/08:29:13.9		SPAWN, Engine = 65535, Parameters = 00:24:52.339	dpt	05-006/08:10:49.0
10208	M1O	05-006/08:29:16.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-006/08:10:51.1
10209	M1O	05-006/08:29:16.0	54	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10210	M1O	05-006/08:29:17.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-006/08:10:52.1
10211	M1O	05-006/08:30:15.9		NOTE: ENTER HGA KEEP OUT ZONE		
10212	M1O	05-006/08:30:15.9	54	NOTE: Loss Of X-Band Signal		
10213	M1O	05-006/08:31:46.1		NOTE: Enter Planetary Atmosphere 13590		05-006/08:13:21.2
10214	M1O	05-006/08:33:37.8		NOTE: Enter Earth Occultation 13590		05-006/08:15:12.9
10215	M1O	05-006/08:38:15.9		NOTE: EXIT HGA KEEP OUT ZONE		
10216	M1O	05-006/08:44:30.5		NOTE: Ascending Node Crossing 13590		05-006/08:26:05.6
10217	M1O	05-006/08:49:08.2		NOTE: Exit Earth Occultation 13590		05-006/08:30:43.3
10218	M1O	05-006/08:49:08.2	54	Acquisition Of X-Band Signal		
10219	M1O	05-006/08:49:08.2	54	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10220	M1O	05-006/08:50:56.3		NOTE: Exit Planetary Atmosphere 13590		05-006/08:32:31.4
10221	M1O	05-006/08:54:08.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-006/08:35:43.4
10222	M1O	05-006/08:54:08.3	54	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10223	M1O	05-006/08:54:09.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-006/08:35:44.4
10224	M1O	05-006/09:14:27.3		NOTE: North Pole Crossing 13590		05-006/08:56:02.4
10225	M1O	05-006/09:15:48.5		NOTE: Apoapsis 13590 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10242	M1O	05-006/10:49:27.9		NOTE: Exit Planetary Atmosphere 13591		05-006/10:31:03.3
10243	M1O	05-006/10:52:39.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-006/10:34:15.1
10244	M1O	05-006/10:52:39.7	54	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10245	M1O	05-006/10:52:40.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-006/10:34:16.1
10246	M1O	05-006/11:12:57.7		NOTE: North Pole Crossing 13591		05-006/10:54:33.1
10247	M1O	05-006/11:14:22.1		NOTE: Apoapsis 13591 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10283	M1O	05-006/11:36:59.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-006/11:18:35.1
10284	M1O	05-006/11:36:59.5		NOTE: START HGA PARK		
10285	M1O	05-006/11:36:59.5	54	NOTE: Loss Of X-Band Signal		
10286	M1O	05-006/11:37:00.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-006/11:18:36.1
10287	M1O	05-006/11:37:01.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-006/11:18:37.1
10288	M1O	05-006/11:41:31.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	05-006/11:23:07.1
10289	M1O	05-006/11:42:56.5		NOTE: Descending Node Crossing 13592		05-006/11:24:32.0
10290	M1O	05-006/11:45:01.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-006/11:26:37.1
10291	M1O	05-006/11:45:01.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	05-006/11:26:37.1
10292	M1O	05-006/12:12:15.9		NOTE: South Pole Crossing 13592		05-006/11:53:51.4
10293	M1O	05-006/12:13:04.4		NOTE: Periapsis 13592		05-006/11:54:40.0

10294	M1O	05-006/12:15:01.4		GV: GV_DESAT_ACTIVE = 1		05-006/11:56:37.0
10295	M1O	05-006/12:15:02.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	05-006/11:56:38.0
10296	M1O	05-006/12:15:02.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	05-006/11:56:38.0
10297	M1O	05-006/12:25:01.3		GV: GV_DESAT_ACTIVE = 0		05-006/12:06:37.0
10298	M1O	05-006/12:25:02.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	05-006/12:06:38.0
10299	M1O	05-006/12:25:03.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	05-006/12:06:39.0
10300	M1O	05-006/12:25:04.3		CALL, Engine = , Parameters =	unpark_hga	05-006/12:06:40.0
10301	M1O	05-006/12:25:04.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-006/12:06:40.0
10302	M1O	05-006/12:25:05.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-006/12:06:41.0
10303	M1O	05-006/12:27:16.3		NOTE: ENTER HGA KEEP OUT ZONE		
10304	M1O	05-006/12:28:52.4		NOTE: Enter Planetary Atmosphere 13592		05-006/12:10:28.0
10305	M1O	05-006/12:29:35.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	05-006/12:11:11.0
10306	M1O	05-006/12:29:36.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	05-006/12:11:12.0
10307	M1O	05-006/12:30:44.2		NOTE: Enter Earth Occultation 13592		05-006/12:12:19.8
10308	M1O	05-006/12:33:36.3		NOTE: EXIT HGA PARK		
10309	M1O	05-006/12:35:36.3		NOTE: EXIT HGA KEEP OUT ZONE		
10310	M1O	05-006/12:41:33.2		NOTE: Ascending Node Crossing 13592		05-006/12:23:08.9
10311	M1O	05-006/12:45:45.3		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	05-006/12:27:20.9
10312	M1O	05-006/12:45:45.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-006/12:27:21.0
10313	M1O	05-006/12:45:46.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-006/12:27:22.0
10314	M1O	05-006/12:45:47.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-006/12:27:23.0
10315	M1O	05-006/12:45:48.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-006/12:27:24.0
10316	M1O	05-006/12:45:49.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-006/12:27:25.0
10317	M1O	05-006/12:45:59.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-006/12:27:35.0
10318	M1O	05-006/12:46:09.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-006/12:27:45.0
10319	M1O	05-006/12:46:10.3		NOTE: Exit Earth Occultation 13592		05-006/12:27:45.9
10320	M1O	05-006/12:46:10.3	54	Acquisition Of X-Band Signal		
10321	M1O	05-006/12:46:10.3	54	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10322	M1O	05-006/12:47:58.5		NOTE: Exit Planetary Atmosphere 13592		05-006/12:29:34.2
10323	M1O	05-006/12:53:09.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-006/12:34:45.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10324	M1O	05-006/12:53:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-006/12:34:46.0
10325	M1O	05-006/12:53:10.3	54	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10326	M1O	05-006/12:53:11.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-006/12:34:47.0
10327	M1O	05-006/13:00:00.0	26	Begin Tracking		
10328	M1O	05-006/13:00:00.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10329	M1O	05-006/13:11:30.9		NOTE: North Pole Crossing 13592		05-006/12:53:06.6
10330	M1O	05-006/13:13:00.3		NOTE: Apoapsis 13592 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10369	M1O	05-006/14:45:16.2	26	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10370	M1O	05-006/14:46:32.8		NOTE: Exit Planetary Atmosphere 13593		05-006/14:28:08.7
10371	M1O	05-006/14:50:00.0	43	Begin Pre-Cal		
10372	M1O	05-006/14:50:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10373	M1O	05-006/14:50:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10374	M1O	05-006/14:50:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10375	M1O	05-006/14:50:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10376	M1O	05-006/14:50:00.0	43	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
10377	M1O	05-006/14:50:00.0	43	Config: RCV: Parms:		
10378	M1O	05-006/14:50:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10379	M1O	05-006/14:50:00.0	43	Config: TGC: BAND=X, SR=132720.000000		
10380	M1O	05-006/14:50:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
10381	M1O	05-006/14:50:16.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-006/14:31:52.6
10382	M1O	05-006/14:50:16.6	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10383	M1O	05-006/14:50:17.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-006/14:31:53.6
10384	M1O	05-006/15:10:06.3		NOTE: North Pole Crossing 13593		05-006/14:51:42.3
10385	M1O	05-006/15:11:30.2		NOTE: Apoapsis 13593 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10415	M1O	05-006/17:03:53.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-006/16:45:29.6
10416	M1O	05-006/17:03:53.4	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10417	M1O	05-006/17:03:54.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-006/16:45:30.6
10418	M1O	05-006/17:04:53.3		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	05-006/16:46:29.5
10419	M1O	05-006/17:04:53.3	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10420	M1O	05-006/17:04:59.3		NOTE: Changing to 70M downlink rate: 66360_BPS		05-006/16:46:35.5
10421	M1O	05-006/17:04:59.3		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	05-006/16:46:35.5
10422	M1O	05-006/17:04:59.3	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10423	M1O	05-006/17:05:00.0	43	Begin Tracking		
10424	M1O	05-006/17:05:00.0	43	Acquire D/L: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10425	M1O	05-006/17:08:42.1		NOTE: North Pole Crossing 13594		05-006/16:50:18.4
10426	M1O	05-006/17:09:51.5		NOTE: Apoapsis 13594 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10456	M1O	05-006/18:42:00.6	43	Acquisition Of X-Band Signal		
10457	M1O	05-006/18:42:00.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10458	M1O	05-006/18:42:00.6	26	Acquisition Of X-Band Signal		
10459	M1O	05-006/18:42:00.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10460	M1O	05-006/18:42:32.1	43	Acquire D/L: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10461	M1O	05-006/18:42:32.1	26	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10462	M1O	05-006/18:43:48.5		NOTE: Exit Planetary Atmosphere 13595		05-006/18:25:25.0
10463	M1O	05-006/18:47:32.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-006/18:29:08.8
10464	M1O	05-006/18:47:32.3	43	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10465	M1O	05-006/18:47:32.3	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10466	M1O	05-006/18:47:33.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-006/18:29:09.8
10467	M1O	05-006/19:07:16.7		NOTE: North Pole Crossing 13595		05-006/18:48:53.3
10468	M1O	05-006/19:08:15.0		NOTE: Apoapsis 13595 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10500	M1O	05-006/20:42:25.3		NOTE: Exit Planetary Atmosphere 13596		05-006/20:24:02.1
10501	M1O	05-006/20:43:13.6	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
10502	M1O	05-006/20:45:00.0	26	Range Modulation Off		
10503	M1O	05-006/20:46:09.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-006/20:27:45.8
10504	M1O	05-006/20:46:09.0	43	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10505	M1O	05-006/20:46:09.0	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10506	M1O	05-006/20:46:10.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-006/20:27:46.8
10507	M1O	05-006/20:50:00.0	26	X-Band Transmitter Off		
10508	M1O	05-006/21:02:53.0	26	NOTE: Below Uplink Interlock Limit		
10509	M1O	05-006/21:05:48.8		NOTE: North Pole Crossing 13596		05-006/20:47:25.6
10510	M1O	05-006/21:06:58.4		NOTE: Apoapsis 13596 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
10541	M1O	05-006/23:04:19.0		NOTE: North Pole Crossing 13597		05-006/22:45:56.1
10542	M1O	05-006/23:05:24.0		NOTE: Apoapsis 13597 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10583	M1O	05-007/02:02:41.6		NOTE: Periapsis 13599		05-007/01:44:19.1

10584	M1O	05-007/02:04:58.0	43	Range Modulation On: SUP=3.0dB		
10585	M1O	05-007/02:05:58.0	43	Begin Ranging Acquisition		
10586	M1O	05-007/02:16:07.3		SPAWN, Engine = 65535, Parameters = 00:25:34	dpt	05-007/01:57:44.8
10587	M1O	05-007/02:16:09.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-007/01:57:46.9
10588	M1O	05-007/02:16:09.4	43	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10589	M1O	05-007/02:16:10.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-007/01:57:47.9
10590	M1O	05-007/02:17:09.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10591	M1O	05-007/02:17:10.4		NOTE: ENTER HGA KEEP OUT ZONE		
10592	M1O	05-007/02:17:10.4	43	NOTE: Loss Of X-Band Signal		
10593	M1O	05-007/02:18:52.7		NOTE: Enter Planetary Atmosphere 13599		05-007/02:00:30.3
10594	M1O	05-007/02:20:44.4		NOTE: Enter Earth Occultation 13599		05-007/02:02:21.9
10595	M1O	05-007/02:25:50.4		NOTE: EXIT HGA KEEP OUT ZONE		
10596	M1O	05-007/02:31:28.2		NOTE: Ascending Node Crossing 13599		05-007/02:13:05.8
10597	M1O	05-007/02:36:11.4		NOTE: Exit Earth Occultation 13599		05-007/02:17:49.0
10598	M1O	05-007/02:36:11.4	43	Acquisition Of X-Band Signal		
10599	M1O	05-007/02:36:11.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10600	M1O	05-007/02:36:42.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10601	M1O	05-007/02:37:59.6		NOTE: Exit Planetary Atmosphere 13599		05-007/02:19:37.2
10602	M1O	05-007/02:41:43.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-007/02:23:20.9
10603	M1O	05-007/02:41:43.3	43	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10604	M1O	05-007/02:41:44.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-007/02:23:21.9
10605	M1O	05-007/03:01:25.9		NOTE: North Pole Crossing 13599		05-007/02:43:03.6
10606	M1O	05-007/03:02:25.0		NOTE: Apoapsis 13599 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10630	M1O	05-007/04:14:44.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-007/03:56:21.9
10631	M1O	05-007/04:14:44.1	43	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10632	M1O	05-007/04:14:45.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-007/03:56:22.9
10633	M1O	05-007/04:15:43.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10634	M1O	05-007/04:15:45.1		NOTE: ENTER HGA KEEP OUT ZONE		
10635	M1O	05-007/04:15:45.1	43	NOTE: Loss Of X-Band Signal		
10636	M1O	05-007/04:17:29.3		NOTE: Enter Planetary Atmosphere 13600		05-007/03:59:07.1
10637	M1O	05-007/04:19:20.6		NOTE: Enter Earth Occultation 13600		05-007/04:00:58.4
10638	M1O	05-007/04:24:25.1		NOTE: EXIT HGA KEEP OUT ZONE		
10639	M1O	05-007/04:30:04.5		NOTE: Ascending Node Crossing 13600		05-007/04:11:42.3
10640	M1O	05-007/04:34:50.5		NOTE: Exit Earth Occultation 13600		05-007/04:16:28.4
10641	M1O	05-007/04:34:50.5	43	Acquisition Of X-Band Signal		
10642	M1O	05-007/04:34:50.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10643	M1O	05-007/04:35:21.4	43	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10644	M1O	05-007/04:36:38.4		NOTE: Exit Planetary Atmosphere 13600		05-007/04:18:16.3
10645	M1O	05-007/04:40:22.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-007/04:21:59.9
10646	M1O	05-007/04:40:22.1	43	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10647	M1O	05-007/04:40:23.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-007/04:22:00.9
10648	M1O	05-007/05:00:01.7		NOTE: North Pole Crossing 13600		05-007/04:41:39.6
10649	M1O	05-007/05:01:32.2		NOTE: Apoapsis 13600 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
10671	M1O	05-007/05:50:05.3	63	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10672	M1O	05-007/05:50:06.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-007/05:31:44.3
10673	M1O	05-007/05:59:22.1		NOTE: South Pole Crossing 13601		05-007/05:41:00.2
10674	M1O	05-007/06:00:00.0	43	End Post-Cal		
10675	M1O	05-007/06:00:37.0		NOTE: Periapsis 13601		05-007/05:42:15.0

10676	M1O	05-007/06:00:43.6		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-007/05:42:21.7
10677	M1O	05-007/06:00:45.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-007/05:42:23.8
10678	M1O	05-007/06:00:45.7	63	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10679	M1O	05-007/06:00:46.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-007/05:42:24.8
10680	M1O	05-007/06:00:59.0	63	NOTE: Above Uplink Interlock Limit		
10681	M1O	05-007/06:01:44.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10682	M1O	05-007/06:05:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10683	M1O	05-007/06:06:45.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-007/05:48:23.8
10684	M1O	05-007/06:06:45.7	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10685	M1O	05-007/06:06:46.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-007/05:48:24.8
10686	M1O	05-007/06:10:00.0	63	Range Modulation On: SUP=3.0dB		
10687	M1O	05-007/06:11:00.0	63	Begin Ranging Acquisition		
10688	M1O	05-007/06:13:19.7		SPAWN, Engine = 65535, Parameters = 00:33:22.211	dpt	05-007/05:54:57.8
10689	M1O	05-007/06:13:21.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-007/05:54:59.9
10690	M1O	05-007/06:13:21.8	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10691	M1O	05-007/06:13:22.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-007/05:55:00.9
10692	M1O	05-007/06:14:20.9		NOTE: ENTER HGA KEEP OUT ZONE		
10693	M1O	05-007/06:14:20.9	63	NOTE: Loss Of X-Band Signal		
10694	M1O	05-007/06:16:03.2		NOTE: Enter Planetary Atmosphere 13601		05-007/05:57:41.3
10695	M1O	05-007/06:17:54.0		NOTE: Enter Earth Occultation 13601		05-007/05:59:32.1
10696	M1O	05-007/06:23:00.8		NOTE: EXIT HGA KEEP OUT ZONE		
10697	M1O	05-007/06:28:39.5		NOTE: Ascending Node Crossing 13601		05-007/06:10:17.6
10698	M1O	05-007/06:33:29.6		NOTE: Exit Earth Occultation 13601		05-007/06:15:07.7
10699	M1O	05-007/06:33:29.6	63	Acquisition Of X-Band Signal		
10700	M1O	05-007/06:33:29.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10701	M1O	05-007/06:35:17.0		NOTE: Exit Planetary Atmosphere 13601		05-007/06:16:55.1
10702	M1O	05-007/06:41:43.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10703	M1O	05-007/06:46:43.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-007/06:28:22.1
10704	M1O	05-007/06:46:43.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10705	M1O	05-007/06:46:44.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-007/06:28:23.1
10706	M1O	05-007/06:58:36.7		NOTE: North Pole Crossing 13601		05-007/06:40:14.9
10707	M1O	05-007/07:00:18.4		NOTE: Apoapsis 13601 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				locations.		
10711	M1O	05-007/07:19:24.7		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	05-007/07:01:03.0
10712	M1O	05-007/07:19:24.9		NOTE: Start Block fsw_diag		05-007/07:01:03.2
10713	M1O	05-007/07:19:25.9		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	05-007/07:01:04.2
10714	M1O	05-007/07:19:26.9		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	05-007/07:01:05.2
10715	M1O	05-007/07:19:37.9		NOTE: End Block fsw_diag.mod		05-007/07:01:16.2
10716	M1O	05-007/07:20:37.7		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	05-007/07:02:16.0
10717	M1O	05-007/07:20:37.9		NOTE: Start Block fsw_diag		05-007/07:02:16.2
10718	M1O	05-007/07:20:38.9		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	05-007/07:02:17.2
10719	M1O	05-007/07:20:39.9		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	05-007/07:02:18.2
10720	M1O	05-007/07:20:50.9		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	05-007/07:02:29.2
10721	M1O	05-007/07:21:11.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
10722	M1O	05-007/07:21:20.9		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	05-007/07:02:59.2
10723	M1O	05-007/07:21:40.9		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	05-007/07:03:19.2
10724	M1O	05-007/07:21:50.9		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	05-007/07:03:29.2
10725	M1O	05-007/07:22:10.9		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	05-007/07:03:49.2
10726	M1O	05-007/07:22:20.9		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	05-007/07:03:59.2
10727	M1O	05-007/07:22:25.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	05-007/07:04:04.2
10728	M1O	05-007/07:22:30.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	05-007/07:04:09.2
10729	M1O	05-007/07:22:35.9		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	05-007/07:04:14.2
10730	M1O	05-007/07:22:40.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	05-007/07:04:19.2
10731	M1O	05-007/07:22:45.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	05-007/07:04:24.2
10732	M1O	05-007/07:23:25.9		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	05-007/07:05:04.2
10733	M1O	05-007/07:23:30.9		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	05-007/07:05:09.2
10734	M1O	05-007/07:23:35.9		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	05-007/07:05:14.2
10735	M1O	05-007/07:23:40.9		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	05-007/07:05:19.2
10736	M1O	05-007/07:23:45.9		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	05-007/07:05:24.2
10737	M1O	05-007/07:23:46.9		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	05-007/07:05:25.2
10738	M1O	05-007/07:23:47.9		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	05-007/07:05:26.2
10739	M1O	05-007/07:23:48.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	05-007/07:05:27.2
10740	M1O	05-007/07:23:59.9		NOTE: End Block fsw_diag.mod		05-007/07:05:38.2
10741	M1O	05-007/07:28:36.9		NOTE: Descending Node Crossing 13602		05-007/07:10:15.1
10742	M1O	05-007/07:31:11.0	63	Range Modulation Off		
10743	M1O	05-007/07:36:11.0	63	X-Band Transmitter Off		
10744	M1O	05-007/07:55:54.0	63	TXR On: PWR=20.0, Band=X		
10745	M1O	05-007/07:57:56.1		NOTE: South Pole Crossing 13602		05-007/07:39:34.4
10746	M1O	05-007/07:59:08.9		NOTE: Periapsis 13602		05-007/07:40:47.2

10747	M1O	05-007/08:00:54.0	63	Range Modulation On: SUP=3.0dB		
10748	M1O	05-007/08:01:54.0	63	Begin Ranging Acquisition		
10749	M1O	05-007/08:11:52.6		SPAWN, Engine = 65535, Parameters = 00:25:43	dpt	05-007/07:53:31.0
10750	M1O	05-007/08:11:54.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-007/07:53:33.1
10751	M1O	05-007/08:11:54.7	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10752	M1O	05-007/08:11:55.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-007/07:53:34.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10753	M1O	05-007/08:12:54.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10754	M1O	05-007/08:12:56.6		NOTE: ENTER HGA KEEP OUT ZONE		
10755	M1O	05-007/08:12:56.6	63	NOTE: Loss Of X-Band Signal		
10756	M1O	05-007/08:14:35.1		NOTE: Enter Planetary Atmosphere 13602		05-007/07:56:13.5
10757	M1O	05-007/08:16:25.6		NOTE: Enter Earth Occultation 13602		05-007/07:58:03.9
10758	M1O	05-007/08:21:36.6		NOTE: EXIT HGA KEEP OUT ZONE		
10759	M1O	05-007/08:27:12.2		NOTE: Ascending Node Crossing 13602		05-007/08:08:50.6
10760	M1O	05-007/08:32:06.4		NOTE: Exit Earth Occultation 13602		05-007/08:13:44.8
10761	M1O	05-007/08:32:06.4	63	Acquisition Of X-Band Signal		
10762	M1O	05-007/08:32:06.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10763	M1O	05-007/08:32:37.3	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10764	M1O	05-007/08:33:53.3		NOTE: Exit Planetary Atmosphere 13602		05-007/08:15:31.7
10765	M1O	05-007/08:37:37.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-007/08:19:16.1
10766	M1O	05-007/08:37:37.7	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10767	M1O	05-007/08:37:38.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-007/08:19:17.1
10768	M1O	05-007/08:57:09.3		NOTE: North Pole Crossing 13602		05-007/08:38:47.7
10769	M1O	05-007/08:58:35.8		NOTE: Apoapsis 13602 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10799	M1O	05-007/10:38:17.0	63	Range Modulation Off		
10800	M1O	05-007/10:43:17.0	63	X-Band Transmitter Off		
10801	M1O	05-007/10:55:39.4		NOTE: North Pole Crossing 13603		05-007/10:37:18.1
10802	M1O	05-007/10:56:51.9		NOTE: Apoapsis 13603 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10840	M1O	05-007/11:24:14.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	05-007/11:05:53.1
10841	M1O	05-007/11:25:38.1		NOTE: Descending Node Crossing 13604		05-007/11:07:16.9
10842	M1O	05-007/11:27:44.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-007/11:09:23.1
10843	M1O	05-007/11:27:44.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	05-007/11:09:23.1
10844	M1O	05-007/11:52:57.0	63	TXR On: PWR=20.0, Band=X		
10845	M1O	05-007/11:54:56.9		NOTE: South Pole Crossing 13604		05-007/11:36:35.7
10846	M1O	05-007/11:55:38.4		NOTE: Periapsis 13604		05-007/11:37:17.3

10847	M1O	05-007/11:57:44.1		GV: GV_DESAT_ACTIVE = 1		05-007/11:39:23.0
10848	M1O	05-007/11:57:45.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	05-007/11:39:24.0
10849	M1O	05-007/11:57:45.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	05-007/11:39:24.0
10850	M1O	05-007/11:57:57.0	63	Range Modulation On: SUP=3.0dB		
10851	M1O	05-007/11:58:57.0	63	Begin Ranging Acquisition		
10852	M1O	05-007/12:07:44.0		GV: GV_DESAT_ACTIVE = 0		05-007/11:49:23.0
10853	M1O	05-007/12:07:45.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	05-007/11:49:24.0
10854	M1O	05-007/12:07:46.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	05-007/11:49:25.0
10855	M1O	05-007/12:07:47.0		CALL, Engine = , Parameters =	unpark_hga	05-007/11:49:26.0
10856	M1O	05-007/12:07:47.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-007/11:49:26.0
10857	M1O	05-007/12:07:48.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-007/11:49:27.0
10858	M1O	05-007/12:09:58.0		NOTE: ENTER HGA KEEP OUT ZONE		
10859	M1O	05-007/12:11:41.3		NOTE: Enter Planetary Atmosphere 13604		05-007/11:53:20.2
10860	M1O	05-007/12:12:18.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	05-007/11:53:57.0
10861	M1O	05-007/12:12:19.0		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	05-007/11:53:58.0
10862	M1O	05-007/12:13:31.9		NOTE: Enter Earth Occultation 13604		05-007/11:55:10.9
10863	M1O	05-007/12:16:19.0		NOTE: EXIT HGA PARK		
10864	M1O	05-007/12:18:38.0		NOTE: EXIT HGA KEEP OUT ZONE		
10865	M1O	05-007/12:24:13.9		NOTE: Ascending Node Crossing 13604		05-007/12:05:52.8
10866	M1O	05-007/12:28:43.7		SPAWN, Engine = 65535, Parameters = 00:07:32.148	cstr	05-007/12:10:22.7
10867	M1O	05-007/12:28:43.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-007/12:10:22.8
10868	M1O	05-007/12:28:44.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-007/12:10:23.8
10869	M1O	05-007/12:28:45.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-007/12:10:24.8
10870	M1O	05-007/12:28:46.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-007/12:10:25.8
10871	M1O	05-007/12:28:47.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-007/12:10:26.8
10872	M1O	05-007/12:28:57.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-007/12:10:36.8
10873	M1O	05-007/12:29:07.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-007/12:10:46.8
10874	M1O	05-007/12:29:08.7		NOTE: Exit Earth Occultation 13604		05-007/12:10:47.7
10875	M1O	05-007/12:29:08.7	63	Acquisition Of X-Band Signal		
10876	M1O	05-007/12:29:08.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10877	M1O	05-007/12:29:39.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10878	M1O	05-007/12:30:55.9		NOTE: Exit Planetary Atmosphere 13604		05-007/12:12:34.9
10879	M1O	05-007/12:36:40.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-007/12:18:18.9
10880	M1O	05-007/12:36:41.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-007/12:18:19.9
10881	M1O	05-007/12:36:41.0	63	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
10882	M1O	05-007/12:36:42.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-007/12:18:20.9
10883	M1O	05-007/12:45:00.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
10884	M1O	05-007/12:53:18.1	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
10885	M1O	05-007/12:54:10.8		NOTE: North Pole Crossing 13604		05-007/12:35:49.9
10886	M1O	05-007/12:55:00.0	63	Range Modulation Off		
10887	M1O	05-007/12:55:28.5		NOTE: Apoapsis 13604 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10924	M1O	05-007/14:54:03.1		NOTE: Apoapsis 13605 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
10967	M1O	05-007/18:30:00.0	43	Begin Pre-Cal		
10968	M1O	05-007/18:30:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10969	M1O	05-007/18:30:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10970	M1O	05-007/18:30:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10971	M1O	05-007/18:30:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10972	M1O	05-007/18:30:00.0	43	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
10973	M1O	05-007/18:30:00.0	43	Config: RCV: Parms:		
10974	M1O	05-007/18:30:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10975	M1O	05-007/18:30:00.0	43	Config: TGC: BAND=X, SR=132720.000000		
10976	M1O	05-007/18:30:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
10977	M1O	05-007/18:49:56.6		NOTE: North Pole Crossing 13607		05-007/18:31:36.5
10978	M1O	05-007/18:50:50.2		NOTE: Apoapsis 13607 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11012	M1O	05-007/20:58:54.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-007/20:40:34.8
11013	M1O	05-007/20:59:53.6		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 7_1_2	SDST_ENCD_MODE	05-007/20:41:33.7
11014	M1O	05-007/20:59:53.6	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11015	M1O	05-007/20:59:59.6		NOTE: Changing to 70M downlink rate: 66360_BPS		05-007/20:41:39.7
11016	M1O	05-007/20:59:59.6		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	05-007/20:41:39.7
11017	M1O	05-007/20:59:59.6	14	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11018	M1O	05-007/21:00:00.0	43	Begin Tracking		
11019	M1O	05-007/21:00:00.0	43	Acquire D/L: X/08, 3-Way/14, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11020	M1O	05-007/21:02:56.0	14	NOTE: Below Uplink Interlock Limit		
11021	M1O	05-007/21:04:59.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-007/20:46:39.8
11022	M1O	05-007/21:04:59.7	14	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11023	M1O	05-007/21:04:59.7	43	D/L Change: X/08, 3-Way/14, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11024	M1O	05-007/21:05:00.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-007/20:46:40.8
11025	M1O	05-007/21:18:28.7		NOTE: Descending Node Crossing 13609		05-007/21:00:08.9
11026	M1O	05-007/21:20:00.0	14	End Tracking		
11027	M1O	05-007/21:25:38.1		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-007/21:07:18.3
11028	M1O	05-007/21:25:40.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-007/21:07:20.4
11029	M1O	05-007/21:25:40.2	43	D/L Change: X/08, 3-Way/14, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11030	M1O	05-007/21:25:41.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-007/21:07:21.4
11031	M1O	05-007/21:26:39.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11032	M1O	05-007/21:31:40.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-007/21:13:20.4
11033	M1O	05-007/21:31:40.2	43	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11034	M1O	05-007/21:31:41.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-007/21:13:21.4
11035	M1O	05-007/21:35:00.0	14	End Post-Cal		
11036	M1O	05-007/21:47:47.5		NOTE: South Pole Crossing 13609		05-007/21:29:27.8
11037	M1O	05-007/21:48:34.0		NOTE: Periapsis 13609		05-007/21:30:14.3

11038	M1O	05-007/22:01:26.7		SPAWN, Engine = 65535, Parameters = 00:25:39.168	dpt	05-007/21:43:07.0
11039	M1O	05-007/22:01:28.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-007/21:43:09.1
11040	M1O	05-007/22:01:28.8	43	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11041	M1O	05-007/22:01:29.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-007/21:43:10.1
11042	M1O	05-007/22:02:28.7		NOTE: ENTER HGA KEEP OUT ZONE		
11043	M1O	05-007/22:02:28.7	43	NOTE: Loss Of X-Band Signal		
11044	M1O	05-007/22:04:35.0		NOTE: Enter Planetary Atmosphere 13609		05-007/21:46:15.3
11045	M1O	05-007/22:06:25.2		NOTE: Enter Earth Occultation 13609		05-007/21:48:05.5
11046	M1O	05-007/22:11:48.6		NOTE: EXIT HGA KEEP OUT ZONE		
11047	M1O	05-007/22:17:04.2		NOTE: Ascending Node Crossing 13609		05-007/21:58:44.5
11048	M1O	05-007/22:22:07.8		NOTE: Exit Earth Occultation 13609		05-007/22:03:48.1
11049	M1O	05-007/22:22:07.8	43	Acquisition Of X-Band Signal		
11050	M1O	05-007/22:22:07.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11051	M1O	05-007/22:23:54.5		NOTE: Exit Planetary Atmosphere 13609		05-007/22:05:34.8
11052	M1O	05-007/22:27:07.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-007/22:08:48.2
11053	M1O	05-007/22:27:07.9	43	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11054	M1O	05-007/22:27:08.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-007/22:08:49.2
11055	M1O	05-007/22:47:00.8		NOTE: North Pole Crossing 13609		05-007/22:28:41.2
11056	M1O	05-007/22:48:05.2		NOTE: Apoapsis 13609 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11093	M1O	05-008/02:03:28.8		NOTE: Enter Earth Occultation 13611		05-008/01:45:09.7
11094	M1O	05-008/02:08:50.1		NOTE: EXIT HGA KEEP OUT ZONE		
11095	M1O	05-008/02:14:06.8		NOTE: Ascending Node Crossing 13611		05-008/01:55:47.6
11096	M1O	05-008/02:19:06.2		NOTE: Exit Earth Occultation 13611		05-008/02:00:47.1
11097	M1O	05-008/02:19:06.2	43	Acquisition Of X-Band Signal		
11098	M1O	05-008/02:19:06.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11099	M1O	05-008/02:19:37.3	43	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11100	M1O	05-008/02:20:53.2		NOTE: Exit Planetary Atmosphere 13611		05-008/02:02:34.1
11101	M1O	05-008/02:24:37.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-008/02:06:18.6
11102	M1O	05-008/02:24:37.7	43	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11103	M1O	05-008/02:24:38.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-008/02:06:19.6
11104	M1O	05-008/02:44:05.2		NOTE: North Pole Crossing 13611		05-008/02:25:46.1
11105	M1O	05-008/02:44:42.5		NOTE: Apoapsis 13611 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11141	M1O	05-008/04:17:43.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11142	M1O	05-008/04:18:14.8	43	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11143	M1O	05-008/04:19:30.9		NOTE: Exit Planetary Atmosphere 13612		05-008/04:01:12.1
11144	M1O	05-008/04:23:15.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-008/04:04:56.6
11145	M1O	05-008/04:23:15.4	43	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11146	M1O	05-008/04:23:16.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-008/04:04:57.6
11147	M1O	05-008/04:42:41.0		NOTE: North Pole Crossing 13612		05-008/04:24:22.2
11148	M1O	05-008/04:43:43.5		NOTE: Apoapsis 13612 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11179	M1O	05-008/05:58:51.4		NOTE: Enter Planetary Atmosphere 13613		05-008/05:40:32.8
11180	M1O	05-008/06:00:00.0	43	End Post-Cal		
11181	M1O	05-008/06:00:37.0	63	NOTE: Above Uplink Interlock Limit		
11182	M1O	05-008/06:00:41.3		NOTE: Enter Earth Occultation 13613		05-008/05:42:22.7
11183	M1O	05-008/06:05:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11184	M1O	05-008/06:06:00.5		NOTE: EXIT HGA KEEP OUT ZONE		
11185	M1O	05-008/06:10:00.0	63	Range Modulation On: SUP=3.0dB		
11186	M1O	05-008/06:11:00.0	63	Begin Ranging Acquisition		
11187	M1O	05-008/06:11:19.2		NOTE: Ascending Node Crossing 13613		05-008/05:53:00.6
11188	M1O	05-008/06:16:23.7		NOTE: Exit Earth Occultation 13613		05-008/05:58:05.2
11189	M1O	05-008/06:16:23.7	63	Acquisition Of X-Band Signal		
11190	M1O	05-008/06:16:23.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11191	M1O	05-008/06:18:10.3		NOTE: Exit Planetary Atmosphere 13613		05-008/05:59:51.7
11192	M1O	05-008/06:21:24.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-008/06:03:06.1
11193	M1O	05-008/06:21:24.7	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11194	M1O	05-008/06:21:25.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-008/06:03:07.1
11195	M1O	05-008/06:40:35.2		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-008/06:22:16.7
11196	M1O	05-008/06:40:37.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-008/06:22:18.8
11197	M1O	05-008/06:40:37.3	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11198	M1O	05-008/06:40:38.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-008/06:22:19.8
11199	M1O	05-008/06:41:16.8		NOTE: North Pole Crossing 13613		05-008/06:22:58.3
11200	M1O	05-008/06:41:37.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11201	M1O	05-008/06:42:44.0		NOTE: Apoapsis 13613 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11219	M1O	05-008/07:20:34.6		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	05-008/07:02:16.2
11220	M1O	05-008/07:20:54.6		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	05-008/07:02:36.2
11221	M1O	05-008/07:21:04.6		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	05-008/07:02:46.2
11222	M1O	05-008/07:21:09.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	05-008/07:02:51.2
11223	M1O	05-008/07:21:14.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	05-008/07:02:56.2
11224	M1O	05-008/07:21:19.6		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	05-008/07:03:01.2
11225	M1O	05-008/07:21:24.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	05-008/07:03:06.2
11226	M1O	05-008/07:21:29.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	05-008/07:03:11.2
11227	M1O	05-008/07:22:09.6		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	05-008/07:03:51.2
11228	M1O	05-008/07:22:14.6		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	05-008/07:03:56.2
11229	M1O	05-008/07:22:19.6		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	05-008/07:04:01.2
11230	M1O	05-008/07:22:24.6		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	05-008/07:04:06.2
11231	M1O	05-008/07:22:29.6		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	05-008/07:04:11.2
11232	M1O	05-008/07:22:30.6		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	05-008/07:04:12.2
11233	M1O	05-008/07:22:31.6		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	05-008/07:04:13.2
11234	M1O	05-008/07:22:32.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	05-008/07:04:14.2
11235	M1O	05-008/07:22:43.6		NOTE: End Block fsw_diag.mod		05-008/07:04:25.2
11236	M1O	05-008/07:38:57.0	63	TXR On: PWR=20.0, Band=X		
11237	M1O	05-008/07:40:36.7		NOTE: South Pole Crossing 13614		05-008/07:22:18.3
11238	M1O	05-008/07:41:47.0		NOTE: Periapsis 13614 ----------		05-008/07:23:28.6
11239	M1O	05-008/07:43:57.0	63	Range Modulation On: SUP=3.0dB		
11240	M1O	05-008/07:44:57.0	63	Begin Ranging Acquisition		
11241	M1O	05-008/07:54:13.0		SPAWN, Engine = 65535, Parameters = 00:26:19	dpt	05-008/07:35:54.7
11242	M1O	05-008/07:54:15.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-008/07:35:56.8
11243	M1O	05-008/07:54:15.1	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11244	M1O	05-008/07:54:16.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-008/07:35:57.8
11245	M1O	05-008/07:55:14.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11246	M1O	05-008/07:55:16.3		NOTE: ENTER HGA KEEP OUT ZONE		
11247	M1O	05-008/07:55:16.3	63	NOTE: Loss Of X-Band Signal		
11248	M1O	05-008/07:57:24.4		NOTE: Enter Planetary Atmosphere 13614		05-008/07:39:06.0
11249	M1O	05-008/07:59:13.9		NOTE: Enter Earth Occultation 13614		05-008/07:40:55.5
11250	M1O	05-008/08:04:36.3		NOTE: EXIT HGA KEEP OUT ZONE		
11251	M1O	05-008/08:09:53.4		NOTE: Ascending Node Crossing 13614		05-008/07:51:35.1
11252	M1O	05-008/08:14:59.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
11253	M1O	05-008/08:15:02.5		NOTE: Exit Earth Occultation 13614		05-008/07:56:44.2
11254	M1O	05-008/08:15:02.5	63	Acquisition Of X-Band Signal		
11255	M1O	05-008/08:15:02.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11256	M1O	05-008/08:15:33.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11257	M1O	05-008/08:16:48.5		NOTE: Exit Planetary Atmosphere 13614		05-008/07:58:30.2
11258	M1O	05-008/08:20:34.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-008/08:02:15.8
11259	M1O	05-008/08:20:34.0	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11260	M1O	05-008/08:20:35.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-008/08:02:16.8
11261	M1O	05-008/08:24:59.0	63	Range Modulation Off		
11262	M1O	05-008/08:29:59.0	63	X-Band Transmitter Off		
11263	M1O	05-008/08:39:50.9		NOTE: North Pole Crossing 13614		05-008/08:21:32.6
11264	M1O	05-008/08:41:17.3		NOTE: Apoapsis 13614 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
11267	M1O	05-008/09:05:35.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11268	M1O	05-008/09:05:36.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-008/08:47:18.8
11269	M1O	05-008/09:06:35.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11270	M1O	05-008/09:09:50.8		NOTE: Descending Node Crossing 13615		05-008/08:51:32.6
11271	M1O	05-008/09:11:35.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-008/08:53:17.8
11272	M1O	05-008/09:11:35.9	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11273	M1O	05-008/09:11:36.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-008/08:53:18.8
11274	M1O	05-008/09:39:09.2		NOTE: South Pole Crossing 13615		05-008/09:20:51.1
11275	M1O	05-008/09:40:05.7		NOTE: Periapsis 13615		05-008/09:21:47.6

11276	M1O	05-008/09:52:48.0		SPAWN, Engine = 65535, Parameters = 00:25:47.229	dpt	05-008/09:34:30.0
11277	M1O	05-008/09:52:50.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-008/09:34:32.1
11278	M1O	05-008/09:52:50.1	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11279	M1O	05-008/09:52:51.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-008/09:34:33.1
11280	M1O	05-008/09:53:50.0		NOTE: ENTER HGA KEEP OUT ZONE		
11281	M1O	05-008/09:53:50.0	63	NOTE: Loss Of X-Band Signal		
11282	M1O	05-008/09:55:56.7		NOTE: Enter Planetary Atmosphere 13615		05-008/09:37:38.7
11283	M1O	05-008/09:57:46.1		NOTE: Enter Earth Occultation 13615		05-008/09:39:28.1
11284	M1O	05-008/10:03:30.0		NOTE: EXIT HGA KEEP OUT ZONE		
11285	M1O	05-008/10:08:25.2		NOTE: Ascending Node Crossing 13615		05-008/09:50:07.1
11286	M1O	05-008/10:13:37.2		NOTE: Exit Earth Occultation 13615		05-008/09:55:19.2
11287	M1O	05-008/10:13:37.2	63	Acquisition Of X-Band Signal		
11288	M1O	05-008/10:13:37.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11289	M1O	05-008/10:15:23.0		NOTE: Exit Planetary Atmosphere 13615		05-008/09:57:05.0
11290	M1O	05-008/10:18:37.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-008/10:00:19.3
11291	M1O	05-008/10:18:37.3	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11292	M1O	05-008/10:18:38.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-008/10:00:20.3
11293	M1O	05-008/10:38:22.2		NOTE: North Pole Crossing 13615		05-008/10:20:04.3
11294	M1O	05-008/10:39:28.8		NOTE: Apoapsis 13615 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11305	M1O	05-008/10:51:34.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	05-008/10:33:16.8
11306	M1O	05-008/10:51:34.7	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11307	M1O	05-008/11:01:35.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-008/10:43:17.8
11308	M1O	05-008/11:01:35.7	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11309	M1O	05-008/11:01:36.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-008/10:43:18.8
11310	M1O	05-008/11:01:52.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-008/10:43:34.8
11311	M1O	05-008/11:01:52.7	63	D/L RF Warning: SC antenna change - expect signal level variation		
11312	M1O	05-008/11:01:53.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-008/10:43:35.8
11313	M1O	05-008/11:02:22.0		CALL, Engine = , Parameters = FALSE	park_hga	05-008/10:44:04.1
11314	M1O	05-008/11:02:22.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-008/10:44:04.1
11315	M1O	05-008/11:02:23.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-008/10:44:05.1
11316	M1O	05-008/11:02:24.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-008/10:44:06.1
11317	M1O	05-008/11:02:24.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-008/10:44:06.1
11318	M1O	05-008/11:02:24.0		NOTE: START HGA PARK		
11319	M1O	05-008/11:02:24.0	63	NOTE: Loss Of X-Band Signal		
11320	M1O	05-008/11:02:25.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-008/10:44:07.1
11321	M1O	05-008/11:02:26.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-008/10:44:08.1
11322	M1O	05-008/11:06:55.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	05-008/10:48:38.1
11323	M1O	05-008/11:08:21.3		NOTE: Descending Node Crossing 13616		05-008/10:50:03.4
11324	M1O	05-008/11:10:25.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-008/10:52:08.1
11325	M1O	05-008/11:10:25.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	05-008/10:52:08.1
11326	M1O	05-008/11:20:00.0	14	Begin Pre-Cal		
11327	M1O	05-008/11:20:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
11328	M1O	05-008/11:20:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
11329	M1O	05-008/11:20:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
11330	M1O	05-008/11:20:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11331	M1O	05-008/11:20:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
11332	M1O	05-008/11:20:00.0	14	Config: RCV: Parms:		
11333	M1O	05-008/11:20:00.0	14	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
11334	M1O	05-008/11:20:00.0	14	Config: TGC: BAND=X, SR=238896.000000		
11335	M1O	05-008/11:20:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
11336	M1O	05-008/11:37:39.5		NOTE: South Pole Crossing 13616		05-008/11:19:21.7
11337	M1O	05-008/11:38:18.9		NOTE: Periapsis 13616		05-008/11:20:01.1

11338	M1O	05-008/11:40:25.8		GV: GV_DESAT_ACTIVE = 1		05-008/11:22:08.0
11339	M1O	05-008/11:40:26.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	05-008/11:22:09.0
11340	M1O	05-008/11:40:26.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	05-008/11:22:09.0
11341	M1O	05-008/11:50:25.7		GV: GV_DESAT_ACTIVE = 0		05-008/11:32:08.0
11342	M1O	05-008/11:50:26.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	05-008/11:32:09.0
11343	M1O	05-008/11:50:27.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	05-008/11:32:10.0
11344	M1O	05-008/11:50:28.7		CALL, Engine = , Parameters =	unpark_hga	05-008/11:32:11.0
11345	M1O	05-008/11:50:28.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-008/11:32:11.0
11346	M1O	05-008/11:50:29.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-008/11:32:12.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11347	M1O	05-008/11:52:20.7		NOTE: ENTER HGA KEEP OUT ZONE		
11348	M1O	05-008/11:54:30.3		NOTE: Enter Planetary Atmosphere 13616		05-008/11:36:12.5
11349	M1O	05-008/11:54:59.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	05-008/11:36:42.0
11350	M1O	05-008/11:55:00.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	05-008/11:36:43.0
11351	M1O	05-008/11:56:19.8		NOTE: Enter Earth Occultation 13616		05-008/11:38:02.1
11352	M1O	05-008/11:59:00.7		NOTE: EXIT HGA PARK		
11353	M1O	05-008/12:02:00.7		NOTE: EXIT HGA KEEP OUT ZONE		
11354	M1O	05-008/12:06:56.0		NOTE: Ascending Node Crossing 13616		05-008/11:48:38.2
11355	M1O	05-008/12:11:44.5		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	05-008/11:53:26.7
11356	M1O	05-008/12:11:44.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-008/11:53:26.8
11357	M1O	05-008/12:11:45.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-008/11:53:27.8
11358	M1O	05-008/12:11:46.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-008/11:53:28.8
11359	M1O	05-008/12:11:47.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-008/11:53:29.8
11360	M1O	05-008/12:11:48.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-008/11:53:30.8
11361	M1O	05-008/12:11:58.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-008/11:53:40.8
11362	M1O	05-008/12:12:08.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-008/11:53:50.8
11363	M1O	05-008/12:12:08.6		NOTE: Exit Earth Occultation 13616		05-008/11:53:50.9
11364	M1O	05-008/12:12:08.6	63	Acquisition Of X-Band Signal		
11365	M1O	05-008/12:12:08.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11366	M1O	05-008/12:13:54.6		NOTE: Exit Planetary Atmosphere 13616		05-008/11:55:36.9
11367	M1O	05-008/12:19:08.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-008/12:00:50.8
11368	M1O	05-008/12:19:09.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-008/12:00:51.8
11369	M1O	05-008/12:19:09.6	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11370	M1O	05-008/12:19:10.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-008/12:00:52.8
11371	M1O	05-008/12:36:52.7		NOTE: North Pole Crossing 13616		05-008/12:18:35.0
11372	M1O	05-008/12:38:03.3		NOTE: Apoapsis 13616 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11391	M1O	05-008/14:10:39.4		NOTE: Exit Earth Occultation 13617		05-008/13:52:21.9
11392	M1O	05-008/14:10:39.4	14	Acquisition Of X-Band Signal		
11393	M1O	05-008/14:10:39.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11394	M1O	05-008/14:12:25.3		NOTE: Exit Planetary Atmosphere 13617		05-008/13:54:07.9
11395	M1O	05-008/14:15:39.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-008/13:57:22.0
11396	M1O	05-008/14:15:39.5	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11397	M1O	05-008/14:15:40.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-008/13:57:23.0
11398	M1O	05-008/14:35:26.1		NOTE: North Pole Crossing 13617		05-008/14:17:08.6
11399	M1O	05-008/14:36:41.3		NOTE: Apoapsis 13617 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11433	M1O	05-008/17:57:41.9		NOTE: EXIT HGA KEEP OUT ZONE		
11434	M1O	05-008/18:02:38.6		NOTE: Ascending Node Crossing 13619		05-008/17:44:21.7
11435	M1O	05-008/18:07:51.4		NOTE: Exit Earth Occultation 13619		05-008/17:49:34.5
11436	M1O	05-008/18:07:51.4	14	Acquisition Of X-Band Signal		
11437	M1O	05-008/18:07:51.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11438	M1O	05-008/18:09:36.9		NOTE: Exit Planetary Atmosphere 13619		05-008/17:51:20.0
11439	M1O	05-008/18:10:00.0	43	Begin Pre-Cal		
11440	M1O	05-008/18:10:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
11441	M1O	05-008/18:10:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
11442	M1O	05-008/18:10:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
11443	M1O	05-008/18:10:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11444	M1O	05-008/18:10:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
11445	M1O	05-008/18:10:00.0	43	Config: RCV: Parms:		
11446	M1O	05-008/18:10:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
11447	M1O	05-008/18:10:00.0	43	Config: TGC: BAND=X, SR=238896.000000		
11448	M1O	05-008/18:10:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
11449	M1O	05-008/18:12:52.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-008/17:54:35.4
11450	M1O	05-008/18:12:52.3	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11451	M1O	05-008/18:12:53.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-008/17:54:36.4
11452	M1O	05-008/18:32:37.3		NOTE: North Pole Crossing 13619		05-008/18:14:20.5
11453	M1O	05-008/18:33:32.3		NOTE: Apoapsis 13619 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11479	M1O	05-008/20:25:00.0	43	Acquire D/L: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11480	M1O	05-008/20:31:11.8		NOTE: North Pole Crossing 13620		05-008/20:12:55.3
11481	M1O	05-008/20:31:55.6		NOTE: Apoapsis 13620 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11520	M1O	05-008/23:29:00.4		NOTE: South Pole Crossing 13622		05-008/23:10:44.2
11521	M1O	05-008/23:29:38.4		NOTE: Periapsis 13622		05-008/23:11:22.2

11522	M1O	05-008/23:42:40.1		SPAWN, Engine = 65535, Parameters = 00:25:56.485	dpt	05-008/23:24:24.0
11523	M1O	05-008/23:42:42.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-008/23:24:26.1
11524	M1O	05-008/23:42:42.2	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11525	M1O	05-008/23:42:43.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-008/23:24:27.1
11526	M1O	05-008/23:43:42.1		NOTE: ENTER HGA KEEP OUT ZONE		
11527	M1O	05-008/23:43:42.1	43	NOTE: Loss Of X-Band Signal		
11528	M1O	05-008/23:45:55.1		NOTE: Enter Planetary Atmosphere 13622		05-008/23:27:38.9
11529	M1O	05-008/23:47:44.1		NOTE: Enter Earth Occultation 13622		05-008/23:29:28.0
11530	M1O	05-008/23:53:22.1		NOTE: EXIT HGA KEEP OUT ZONE		
11531	M1O	05-008/23:58:16.8		NOTE: Ascending Node Crossing 13622		05-008/23:40:00.7
11532	M1O	05-009/00:00:00.0		Light Time: OWLT = 18:16, RTLT = 36:32		
11533	M1O	05-009/00:03:37.7		NOTE: Exit Earth Occultation 13622		05-008/23:45:21.6
11534	M1O	05-009/00:03:37.7	43	Acquisition Of X-Band Signal		
11535	M1O	05-009/00:03:37.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11536	M1O	05-009/00:05:23.1		NOTE: Exit Planetary Atmosphere 13622		05-008/23:47:07.1
11537	M1O	05-009/00:08:38.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-008/23:50:22.5
11538	M1O	05-009/00:08:38.6	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11539	M1O	05-009/00:08:39.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-008/23:50:23.5
11540	M1O	05-009/00:28:14.0		NOTE: North Pole Crossing 13622		05-009/00:09:58.0
11541	M1O	05-009/00:29:03.4		NOTE: Apoapsis 13622 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11564	M1O	05-009/02:07:07.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-009/01:48:51.4
11565	M1O	05-009/02:26:46.2		NOTE: North Pole Crossing 13623		05-009/02:08:30.4
11566	M1O	05-009/02:27:18.2		NOTE: Apoapsis 13623 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11607	M1O	05-009/04:20:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11608	M1O	05-009/04:20:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
11609	M1O	05-009/04:20:00.0	63	Config: RCV: Parms:		
11610	M1O	05-009/04:20:00.0	63	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
11611	M1O	05-009/04:20:00.0	63	Config: TGC: BAND=X, SR=238896.000000		
11612	M1O	05-009/04:20:00.0	63	Config: TXL		
11613	M1O	05-009/04:20:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
11614	M1O	05-009/04:20:00.0	63	Config: CMD		
11615	M1O	05-009/04:20:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
11616	M1O	05-009/04:25:21.1		NOTE: North Pole Crossing 13624		05-009/04:07:05.7
11617	M1O	05-009/04:26:06.0		NOTE: Apoapsis 13624 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11650	M1O	05-009/06:00:00.0	43	End Post-Cal		
11651	M1O	05-009/06:01:05.6		NOTE: Exit Planetary Atmosphere 13625		05-009/05:42:50.4
11652	M1O	05-009/06:04:35.0		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	05-009/05:46:19.7
11653	M1O	05-009/06:04:35.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-009/05:46:19.8
11654	M1O	05-009/06:04:36.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-009/05:46:20.8
11655	M1O	05-009/06:04:37.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-009/05:46:21.8
11656	M1O	05-009/06:04:38.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-009/05:46:22.8
11657	M1O	05-009/06:04:39.1		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-009/05:46:23.8
11658	M1O	05-009/06:04:49.1		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-009/05:46:33.8
11659	M1O	05-009/06:04:59.1		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-009/05:46:43.8
11660	M1O	05-009/06:05:00.0	63	Begin Tracking		
11661	M1O	05-009/06:05:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11662	M1O	05-009/06:06:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11663	M1O	05-009/06:11:00.0	63	Range Modulation On: SUP=3.0dB		
11664	M1O	05-009/06:11:59.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-009/05:53:43.8
11665	M1O	05-009/06:12:00.0	63	Begin Ranging Acquisition		
11666	M1O	05-009/06:12:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-009/05:53:44.8
11667	M1O	05-009/06:12:00.1	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11668	M1O	05-009/06:12:01.1		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-009/05:53:45.8
11669	M1O	05-009/06:23:56.9		NOTE: North Pole Crossing 13625		05-009/06:05:41.7
11670	M1O	05-009/06:25:12.7		NOTE: Apoapsis 13625 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11690	M1O	05-009/07:19:31.2		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	05-009/07:01:16.2
11691	M1O	05-009/07:20:01.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	05-009/07:01:46.2
11692	M1O	05-009/07:20:21.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	05-009/07:02:06.2
11693	M1O	05-009/07:20:31.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	05-009/07:02:16.2
11694	M1O	05-009/07:20:51.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	05-009/07:02:36.2
11695	M1O	05-009/07:21:01.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	05-009/07:02:46.2
11696	M1O	05-009/07:21:06.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	05-009/07:02:51.2
11697	M1O	05-009/07:21:11.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	05-009/07:02:56.2
11698	M1O	05-009/07:21:16.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	05-009/07:03:01.2
11699	M1O	05-009/07:21:21.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	05-009/07:03:06.2
11700	M1O	05-009/07:21:26.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	05-009/07:03:11.2
11701	M1O	05-009/07:22:00.0	63	TXR On: PWR=20.0, Band=X		
11702	M1O	05-009/07:22:06.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	05-009/07:03:51.2
11703	M1O	05-009/07:22:11.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	05-009/07:03:56.2
11704	M1O	05-009/07:22:16.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	05-009/07:04:01.2
11705	M1O	05-009/07:22:21.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	05-009/07:04:06.2
11706	M1O	05-009/07:22:26.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	05-009/07:04:11.2
11707	M1O	05-009/07:22:27.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	05-009/07:04:12.2
11708	M1O	05-009/07:22:28.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	05-009/07:04:13.2
11709	M1O	05-009/07:22:29.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	05-009/07:04:14.2
11710	M1O	05-009/07:22:40.2		NOTE: End Block fsw_diag.mod		05-009/07:04:25.2
11711	M1O	05-009/07:23:16.8		NOTE: South Pole Crossing 13626		05-009/07:05:01.7
11712	M1O	05-009/07:24:21.2		NOTE: Periapsis 13626		05-009/07:06:06.2

11713	M1O	05-009/07:27:00.0	63	Range Modulation On: SUP=3.0dB		
11714	M1O	05-009/07:28:00.0	63	Begin Ranging Acquisition		
11715	M1O	05-009/07:36:52.3		SPAWN, Engine = 65535, Parameters = 00:26:36	dpt	05-009/07:18:37.3
11716	M1O	05-009/07:36:54.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-009/07:18:39.4
11717	M1O	05-009/07:36:54.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11718	M1O	05-009/07:36:55.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-009/07:18:40.4
11719	M1O	05-009/07:37:54.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11720	M1O	05-009/07:37:56.0		NOTE: ENTER HGA KEEP OUT ZONE		
11721	M1O	05-009/07:37:56.0	63	NOTE: Loss Of X-Band Signal		
11722	M1O	05-009/07:40:13.7		NOTE: Enter Planetary Atmosphere 13626		05-009/07:21:58.7
11723	M1O	05-009/07:42:02.2		NOTE: Enter Earth Occultation 13626		05-009/07:23:47.2
11724	M1O	05-009/07:47:56.0		NOTE: EXIT HGA KEEP OUT ZONE		
11725	M1O	05-009/07:52:34.3		NOTE: Ascending Node Crossing 13626		05-009/07:34:19.3
11726	M1O	05-009/07:57:59.0		NOTE: Exit Earth Occultation 13626		05-009/07:39:44.0
11727	M1O	05-009/07:57:59.0	63	Acquisition Of X-Band Signal		
11728	M1O	05-009/07:57:59.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11729	M1O	05-009/07:58:30.0	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11730	M1O	05-009/07:59:44.1		NOTE: Exit Planetary Atmosphere 13626		05-009/07:41:29.1
11731	M1O	05-009/08:03:30.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-009/07:45:15.4
11732	M1O	05-009/08:03:30.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11733	M1O	05-009/08:03:31.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-009/07:45:16.4
11734	M1O	05-009/08:22:31.8		NOTE: North Pole Crossing 13626		05-009/08:04:16.9
11735	M1O	05-009/08:23:57.8		NOTE: Apoapsis 13626 -		05-009/08:05:42.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				-		
11736	M1O	05-009/08:45:00.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
11737	M1O	05-009/08:52:31.9		NOTE: Descending Node Crossing 13627		05-009/08:34:17.0
11738	M1O	05-009/08:55:00.0	63	Range Modulation Off		
11739	M1O	05-009/09:00:00.0	63	X-Band Transmitter Off		
11740	M1O	05-009/09:21:50.6		NOTE: South Pole Crossing 13627		05-009/09:03:35.8
11741	M1O	05-009/09:22:52.2		NOTE: Periapsis 13627		05-009/09:04:37.4

11742	M1O	05-009/09:35:28.0		SPAWN, Engine = 65535, Parameters = 00:26:05.553	dpt	05-009/09:17:13.3
11743	M1O	05-009/09:35:30.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-009/09:17:15.4
11744	M1O	05-009/09:35:30.1	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11745	M1O	05-009/09:35:31.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-009/09:17:16.4
11746	M1O	05-009/09:36:29.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11747	M1O	05-009/09:36:31.7		NOTE: ENTER HGA KEEP OUT ZONE		
11748	M1O	05-009/09:36:31.7	63	NOTE: Loss Of X-Band Signal		
11749	M1O	05-009/09:38:45.6		NOTE: Enter Planetary Atmosphere 13627		05-009/09:20:30.8
11750	M1O	05-009/09:40:33.8		NOTE: Enter Earth Occultation 13627		05-009/09:22:19.0
11751	M1O	05-009/09:46:31.7		NOTE: EXIT HGA KEEP OUT ZONE		
11752	M1O	05-009/09:51:06.8		NOTE: Ascending Node Crossing 13627		05-009/09:32:52.1
11753	M1O	05-009/09:56:35.6		NOTE: Exit Earth Occultation 13627		05-009/09:38:20.9
11754	M1O	05-009/09:56:35.6	63	Acquisition Of X-Band Signal		
11755	M1O	05-009/09:56:35.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11756	M1O	05-009/09:58:20.2		NOTE: Exit Planetary Atmosphere 13627		05-009/09:40:05.5
11757	M1O	05-009/10:01:35.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-009/09:43:21.0
11758	M1O	05-009/10:01:35.6	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11759	M1O	05-009/10:01:36.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-009/09:43:22.0
11760	M1O	05-009/10:21:04.2		NOTE: North Pole Crossing 13627		05-009/10:02:49.6
11761	M1O	05-009/10:22:14.4		NOTE: Apoapsis 13627 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11775	M1O	05-009/10:44:17.3	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11776	M1O	05-009/10:44:18.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-009/10:26:03.8
11777	M1O	05-009/10:44:34.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-009/10:26:19.8
11778	M1O	05-009/10:44:34.3	63	D/L RF Warning: SC antenna change - expect signal level variation		
11779	M1O	05-009/10:44:35.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-009/10:26:20.8
11780	M1O	05-009/10:45:03.6		CALL, Engine = , Parameters = FALSE	park_hga	05-009/10:26:49.1
11781	M1O	05-009/10:45:03.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-009/10:26:49.1
11782	M1O	05-009/10:45:04.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-009/10:26:50.1
11783	M1O	05-009/10:45:05.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-009/10:26:51.1
11784	M1O	05-009/10:45:05.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-009/10:26:51.1
11785	M1O	05-009/10:45:05.6		NOTE: START HGA PARK		
11786	M1O	05-009/10:45:05.6	63	NOTE: Loss Of X-Band Signal		
11787	M1O	05-009/10:45:06.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-009/10:26:52.1
11788	M1O	05-009/10:45:07.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-009/10:26:53.1
11789	M1O	05-009/10:49:37.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	05-009/10:31:23.1
11790	M1O	05-009/10:51:03.7		NOTE: Descending Node Crossing 13628		05-009/10:32:49.1
11791	M1O	05-009/10:53:07.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-009/10:34:53.1
11792	M1O	05-009/10:53:07.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	05-009/10:34:53.1
11793	M1O	05-009/11:10:00.0	14	Begin Pre-Cal		
11794	M1O	05-009/11:10:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
11795	M1O	05-009/11:10:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
11796	M1O	05-009/11:10:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
11797	M1O	05-009/11:10:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11798	M1O	05-009/11:10:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
11799	M1O	05-009/11:10:00.0	14	Config: RCV: Parms:		
11800	M1O	05-009/11:10:00.0	14	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
11801	M1O	05-009/11:10:00.0	14	Config: TGC: BAND=X, SR=238896.000000		
11802	M1O	05-009/11:10:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
11803	M1O	05-009/11:20:21.5		NOTE: South Pole Crossing 13628		05-009/11:02:07.0
11804	M1O	05-009/11:21:02.8		NOTE: Periapsis 13628		05-009/11:02:48.3

11805	M1O	05-009/11:23:07.4		GV: GV_DESAT_ACTIVE = 1		05-009/11:04:53.0
11806	M1O	05-009/11:23:08.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	05-009/11:04:54.0
11807	M1O	05-009/11:23:08.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	05-009/11:04:54.0
11808	M1O	05-009/11:33:07.4		GV: GV_DESAT_ACTIVE = 0		05-009/11:14:53.0
11809	M1O	05-009/11:33:08.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	05-009/11:14:54.0
11810	M1O	05-009/11:33:09.4		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	05-009/11:14:55.0
11811	M1O	05-009/11:33:10.4		CALL, Engine = , Parameters =	unpark_hga	05-009/11:14:56.0
11812	M1O	05-009/11:33:10.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-009/11:14:56.0
11813	M1O	05-009/11:33:11.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-009/11:14:57.0
11814	M1O	05-009/11:35:03.4		NOTE: ENTER HGA KEEP OUT ZONE		
11815	M1O	05-009/11:37:18.1		NOTE: Enter Planetary Atmosphere 13628		05-009/11:19:03.7
11816	M1O	05-009/11:37:41.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	05-009/11:19:27.0
11817	M1O	05-009/11:37:42.4		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	05-009/11:19:28.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11818	M1O	05-009/11:39:06.5		NOTE: Enter Earth Occultation 13628		05-009/11:20:52.0
11819	M1O	05-009/11:41:42.4		NOTE: EXIT HGA PARK		
11820	M1O	05-009/11:45:03.4		NOTE: EXIT HGA KEEP OUT ZONE		
11821	M1O	05-009/11:49:37.5		NOTE: Ascending Node Crossing 13628		05-009/11:31:23.0
11822	M1O	05-009/11:54:42.9		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	05-009/11:36:28.5
11823	M1O	05-009/11:54:43.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-009/11:36:28.6
11824	M1O	05-009/11:54:44.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-009/11:36:29.6
11825	M1O	05-009/11:54:45.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-009/11:36:30.6
11826	M1O	05-009/11:54:46.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-009/11:36:31.6
11827	M1O	05-009/11:54:47.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-009/11:36:32.6
11828	M1O	05-009/11:54:57.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-009/11:36:42.6
11829	M1O	05-009/11:55:07.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-009/11:36:52.6
11830	M1O	05-009/11:55:07.9		NOTE: Exit Earth Occultation 13628		05-009/11:36:53.5
11831	M1O	05-009/11:55:07.9	63	Acquisition Of X-Band Signal		
11832	M1O	05-009/11:55:07.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11833	M1O	05-009/11:56:52.6		NOTE: Exit Planetary Atmosphere 13628		05-009/11:38:38.2
11834	M1O	05-009/12:02:07.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-009/11:43:52.6
11835	M1O	05-009/12:02:08.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-009/11:43:53.6
11836	M1O	05-009/12:02:08.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11837	M1O	05-009/12:02:09.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-009/11:43:54.6
11838	M1O	05-009/12:19:34.3		NOTE: North Pole Crossing 13628		05-009/12:01:20.0
11839	M1O	05-009/12:20:31.1		NOTE: Apoapsis 13628 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11863	M1O	05-009/13:58:37.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-009/13:40:23.8
11864	M1O	05-009/13:58:37.9	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11865	M1O	05-009/13:58:38.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-009/13:40:24.8
11866	M1O	05-009/14:18:05.9		NOTE: North Pole Crossing 13629		05-009/13:59:51.8
11867	M1O	05-009/14:19:08.5		NOTE: Apoapsis 13629 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11904	M1O	05-009/16:54:11.0	14	X-Band Transmitter Off		
11905	M1O	05-009/17:14:50.0	14	TXR On: PWR=20.0, Band=X		
11906	M1O	05-009/17:16:00.1		NOTE: South Pole Crossing 13631		05-009/16:57:46.5
11907	M1O	05-009/17:16:38.8		NOTE: Periapsis 13631		05-009/16:58:25.1

11908	M1O	05-009/17:19:50.0	14	Range Modulation On: SUP=3.0dB		
11909	M1O	05-009/17:20:50.0	14	Begin Ranging Acquisition		
11910	M1O	05-009/17:29:37.1		SPAWN, Engine = 65535, Parameters = 00:26:39	dpt	05-009/17:11:23.5
11911	M1O	05-009/17:29:39.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-009/17:11:25.6
11912	M1O	05-009/17:29:39.2	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11913	M1O	05-009/17:29:40.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-009/17:11:26.6
11914	M1O	05-009/17:30:38.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11915	M1O	05-009/17:30:40.6		NOTE: ENTER HGA KEEP OUT ZONE		
11916	M1O	05-009/17:30:40.6	14	NOTE: Loss Of X-Band Signal		
11917	M1O	05-009/17:32:57.4		NOTE: Enter Planetary Atmosphere 13631		05-009/17:14:43.7
11918	M1O	05-009/17:34:45.4		NOTE: Enter Earth Occultation 13631		05-009/17:16:31.8
11919	M1O	05-009/17:41:00.6		NOTE: EXIT HGA KEEP OUT ZONE		
11920	M1O	05-009/17:45:17.4		NOTE: Ascending Node Crossing 13631		05-009/17:27:03.8
11921	M1O	05-009/17:50:46.8		NOTE: Exit Earth Occultation 13631		05-009/17:32:33.2
11922	M1O	05-009/17:50:46.8	14	Acquisition Of X-Band Signal		
11923	M1O	05-009/17:50:46.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11924	M1O	05-009/17:51:17.3	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11925	M1O	05-009/17:52:31.2		NOTE: Exit Planetary Atmosphere 13631		05-009/17:34:17.6
11926	M1O	05-009/17:56:18.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-009/17:38:04.6
11927	M1O	05-009/17:56:18.1	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11928	M1O	05-009/17:56:19.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-009/17:38:05.6
11929	M1O	05-009/18:15:16.5		NOTE: North Pole Crossing 13631		05-009/17:57:02.9
11930	M1O	05-009/18:16:10.2		NOTE: Apoapsis 13631 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11951	M1O	05-009/19:28:16.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-009/19:10:02.7
11952	M1O	05-009/19:28:16.1	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11953	M1O	05-009/19:28:17.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-009/19:10:03.7
11954	M1O	05-009/19:29:15.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11955	M1O	05-009/19:29:17.3		NOTE: ENTER HGA KEEP OUT ZONE		
11956	M1O	05-009/19:29:17.3	14	NOTE: Loss Of X-Band Signal		
11957	M1O	05-009/19:31:35.1		NOTE: Enter Planetary Atmosphere 13632		05-009/19:13:21.7
11958	M1O	05-009/19:33:23.1		NOTE: Enter Earth Occultation 13632		05-009/19:15:09.8
11959	M1O	05-009/19:39:37.3		NOTE: EXIT HGA KEEP OUT ZONE		
11960	M1O	05-009/19:43:53.4		NOTE: Ascending Node Crossing 13632		05-009/19:25:40.1
11961	M1O	05-009/19:49:24.9		NOTE: Exit Earth Occultation 13632		05-009/19:31:11.6
11962	M1O	05-009/19:49:24.9	14	Acquisition Of X-Band Signal		
11963	M1O	05-009/19:49:24.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11964	M1O	05-009/19:49:55.7	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11965	M1O	05-009/19:51:09.4		NOTE: Exit Planetary Atmosphere 13632		05-009/19:32:56.1
11966	M1O	05-009/19:54:56.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-009/19:36:42.7
11967	M1O	05-009/19:54:56.0	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11968	M1O	05-009/19:54:57.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-009/19:36:43.7
11969	M1O	05-009/20:13:51.8		NOTE: North Pole Crossing 13632		05-009/19:55:38.6
11970	M1O	05-009/20:14:30.1		NOTE: Apoapsis 13632 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11992	M1O	05-009/21:13:10.7		NOTE: South Pole Crossing 13633		05-009/20:54:57.5
11993	M1O	05-009/21:13:45.8		NOTE: Periapsis 13633		05-009/20:55:32.7

11994	M1O	05-009/21:15:00.0	14	End Tracking		
11995	M1O	05-009/21:20:24.7		SPAWN, Engine = 65535, Parameters = 00:32:36.398	dpt	05-009/21:02:11.6
11996	M1O	05-009/21:20:26.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-009/21:02:13.7
11997	M1O	05-009/21:20:26.8	43	D/L Change: X/08, 3-Way/14, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11998	M1O	05-009/21:20:27.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-009/21:02:14.7
11999	M1O	05-009/21:21:26.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12000	M1O	05-009/21:27:51.0		NOTE: ENTER HGA KEEP OUT ZONE		
12001	M1O	05-009/21:27:51.0	43	NOTE: Loss Of X-Band Signal		
12002	M1O	05-009/21:30:00.0	14	End Post-Cal		
12003	M1O	05-009/21:30:12.5		NOTE: Enter Planetary Atmosphere 13633		05-009/21:11:59.4
12004	M1O	05-009/21:32:00.5		NOTE: Enter Earth Occultation 13633		05-009/21:13:47.4
12005	M1O	05-009/21:38:11.0		NOTE: EXIT HGA KEEP OUT ZONE		
12006	M1O	05-009/21:42:27.8		NOTE: Ascending Node Crossing 13633		05-009/21:24:14.7
12007	M1O	05-009/21:48:03.0		NOTE: Exit Earth Occultation 13633		05-009/21:29:50.0
12008	M1O	05-009/21:48:03.0	43	Acquisition Of X-Band Signal		
12009	M1O	05-009/21:48:03.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12010	M1O	05-009/21:49:47.5		NOTE: Exit Planetary Atmosphere 13633		05-009/21:31:34.5
12011	M1O	05-009/21:53:03.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-009/21:34:50.1
12012	M1O	05-009/21:53:03.1	43	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12013	M1O	05-009/21:53:04.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-009/21:34:51.1
12014	M1O	05-009/22:12:25.0		NOTE: North Pole Crossing 13633		05-009/21:54:12.0
12015	M1O	05-009/22:13:05.7		NOTE: Apoapsis 13633 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12035	M1O	05-009/23:51:38.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-009/23:33:25.5
12036	M1O	05-010/00:00:00.0		Light Time: OWLT = 18:12, RTLT = 36:25		
12037	M1O	05-010/00:10:55.9		NOTE: North Pole Crossing 13634		05-009/23:52:43.2
12038	M1O	05-010/00:11:44.2		NOTE: Apoapsis 13634 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12078	M1O	05-010/03:43:35.9	43	Acquisition Of X-Band Signal		
12079	M1O	05-010/03:43:35.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12080	M1O	05-010/03:44:06.5	43	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12081	M1O	05-010/03:45:00.0	63	Begin Pre-Cal		
12082	M1O	05-010/03:45:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12083	M1O	05-010/03:45:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12084	M1O	05-010/03:45:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12085	M1O	05-010/03:45:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12086	M1O	05-010/03:45:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
12087	M1O	05-010/03:45:00.0	63	Config: RCV: Parms:		
12088	M1O	05-010/03:45:00.0	63	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12089	M1O	05-010/03:45:00.0	63	Config: TGC: BAND=X, SR=79632.000000		
12090	M1O	05-010/03:45:00.0	63	Config: TXL		
12091	M1O	05-010/03:45:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12092	M1O	05-010/03:45:00.0	63	Config: CMD		
12093	M1O	05-010/03:45:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12094	M1O	05-010/03:45:20.6		NOTE: Exit Planetary Atmosphere 13636		05-010/03:27:08.4
12095	M1O	05-010/03:49:07.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-010/03:30:54.9
12096	M1O	05-010/03:49:07.1	43	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12097	M1O	05-010/03:49:08.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-010/03:30:55.9
12098	M1O	05-010/04:08:00.5		NOTE: North Pole Crossing 13636		05-010/03:49:48.3
12099	M1O	05-010/04:08:24.2		NOTE: Apoapsis 13636 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12125	M1O	05-010/05:44:59.2	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12126	M1O	05-010/05:45:00.0	43	End Tracking		
12127	M1O	05-010/05:45:00.0	63	Begin Tracking		
12128	M1O	05-010/05:45:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12129	M1O	05-010/05:45:05.2		This command sets how the x-band datarate is encoded before being modulated onto the downlink.: 15_1_6	SDST_ENCD_MODE	05-010/05:26:53.3
12130	M1O	05-010/05:45:05.2	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12131	M1O	05-010/05:50:05.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-010/05:31:53.4
12132	M1O	05-010/05:50:05.3	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12133	M1O	05-010/05:50:06.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-010/05:31:54.4
12134	M1O	05-010/05:59:50.0	63	NOTE: Above Uplink Interlock Limit		
12135	M1O	05-010/06:00:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12136	M1O	05-010/06:00:00.0	43	End Post-Cal		
12137	M1O	05-010/06:05:00.0	63	Range Modulation On: SUP=3.0dB		
12138	M1O	05-010/06:06:00.0	63	Begin Ranging Acquisition		
12139	M1O	05-010/06:06:36.3		NOTE: North Pole Crossing 13637		05-010/05:48:24.5
12140	M1O	05-010/06:07:25.3		NOTE: Apoapsis 13637 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12163	M1O	05-010/07:19:32.6		SPAWN, Engine = 65535, Parameters = 00:26:19.013	dpt	05-010/07:01:20.9
12164	M1O	05-010/07:19:34.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-010/07:01:23.0
12165	M1O	05-010/07:19:34.7	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12166	M1O	05-010/07:19:35.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-010/07:01:24.0
12167	M1O	05-010/07:19:57.8		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	05-010/07:01:46.2
12168	M1O	05-010/07:20:17.8		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	05-010/07:02:06.2
12169	M1O	05-010/07:20:27.8		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	05-010/07:02:16.2
12170	M1O	05-010/07:20:34.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12171	M1O	05-010/07:20:35.6		NOTE: ENTER HGA KEEP OUT ZONE		
12172	M1O	05-010/07:20:35.6	63	NOTE: Loss Of X-Band Signal		
12173	M1O	05-010/07:20:47.8		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	05-010/07:02:36.2
12174	M1O	05-010/07:20:57.8		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	05-010/07:02:46.2
12175	M1O	05-010/07:21:02.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	05-010/07:02:51.2
12176	M1O	05-010/07:21:07.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	05-010/07:02:56.2
12177	M1O	05-010/07:21:12.8		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	05-010/07:03:01.2
12178	M1O	05-010/07:21:17.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	05-010/07:03:06.2
12179	M1O	05-010/07:21:22.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	05-010/07:03:11.2
12180	M1O	05-010/07:22:02.8		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	05-010/07:03:51.2
12181	M1O	05-010/07:22:07.8		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	05-010/07:03:56.2
12182	M1O	05-010/07:22:12.8		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	05-010/07:04:01.2
12183	M1O	05-010/07:22:17.8		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	05-010/07:04:06.2
12184	M1O	05-010/07:22:22.8		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	05-010/07:04:11.2
12185	M1O	05-010/07:22:23.8		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	05-010/07:04:12.2
12186	M1O	05-010/07:22:24.8		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	05-010/07:04:13.2
12187	M1O	05-010/07:22:25.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	05-010/07:04:14.2
12188	M1O	05-010/07:22:36.8		NOTE: End Block fsw_diag.mod		05-010/07:04:25.2
12189	M1O	05-010/07:23:01.8		NOTE: Enter Planetary Atmosphere 13638		05-010/07:04:50.1
12190	M1O	05-010/07:24:49.4		NOTE: Enter Earth Occultation 13638		05-010/07:06:37.7
12191	M1O	05-010/07:30:55.6		NOTE: EXIT HGA KEEP OUT ZONE		
12192	M1O	05-010/07:35:14.2		NOTE: Ascending Node Crossing 13638		05-010/07:17:02.5
12193	M1O	05-010/07:40:53.6		NOTE: Exit Earth Occultation 13638		05-010/07:22:41.9
12194	M1O	05-010/07:40:53.6	63	Acquisition Of X-Band Signal		
12195	M1O	05-010/07:40:53.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12196	M1O	05-010/07:42:37.8		NOTE: Exit Planetary Atmosphere 13638		05-010/07:24:26.1
12197	M1O	05-010/07:45:53.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-010/07:27:42.0
12198	M1O	05-010/07:45:53.7	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12199	M1O	05-010/07:45:54.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-010/07:27:43.0
12200	M1O	05-010/08:05:12.1		NOTE: North Pole Crossing 13638		05-010/07:47:00.5
12201	M1O	05-010/08:06:24.9		NOTE: Apoapsis 13638 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12209	M1O	05-010/09:19:11.4		NOTE: ENTER HGA KEEP OUT ZONE		
12210	M1O	05-010/09:19:11.4	63	NOTE: Loss Of X-Band Signal		
12211	M1O	05-010/09:21:34.6		NOTE: Enter Planetary Atmosphere 13639		05-010/09:03:23.2
12212	M1O	05-010/09:23:21.8		NOTE: Enter Earth Occultation 13639		05-010/09:05:10.4
12213	M1O	05-010/09:29:31.3		NOTE: EXIT HGA KEEP OUT ZONE		
12214	M1O	05-010/09:33:48.3		NOTE: Ascending Node Crossing 13639		05-010/09:15:36.9
12215	M1O	05-010/09:39:32.2		NOTE: Exit Earth Occultation 13639		05-010/09:21:20.8
12216	M1O	05-010/09:39:32.2	63	Acquisition Of X-Band Signal		
12217	M1O	05-010/09:39:32.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12218	M1O	05-010/09:41:15.9		NOTE: Exit Planetary Atmosphere 13639		05-010/09:23:04.5
12219	M1O	05-010/09:44:32.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-010/09:26:20.9
12220	M1O	05-010/09:44:32.3	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12221	M1O	05-010/09:44:33.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-010/09:26:21.9
12222	M1O	05-010/10:03:46.1		NOTE: North Pole Crossing 13639		05-010/09:45:34.8
12223	M1O	05-010/10:04:57.5		NOTE: Apoapsis 13639 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/sam_ga_hga_cps.cfg,		
12250	M1O	05-010/10:27:47.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-010/10:09:36.1
12251	M1O	05-010/10:32:17.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	05-010/10:14:06.1
12252	M1O	05-010/10:33:45.9		NOTE: Descending Node Crossing 13640		05-010/10:15:34.7
12253	M1O	05-010/10:35:47.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-010/10:17:36.1
12254	M1O	05-010/10:35:47.3		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	05-010/10:17:36.1
12255	M1O	05-010/10:55:00.0	15	Begin Pre-Cal		
12256	M1O	05-010/10:55:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12257	M1O	05-010/10:55:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12258	M1O	05-010/10:55:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12259	M1O	05-010/10:55:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12260	M1O	05-010/10:55:00.0	15	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
12261	M1O	05-010/10:55:00.0	15	Config: RCV: Parms:		
12262	M1O	05-010/10:55:00.0	15	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
12263	M1O	05-010/10:55:00.0	15	Config: TGC: BAND=X, SR=238896.000000		
12264	M1O	05-010/10:55:00.0	15	Config: TXL		
12265	M1O	05-010/10:55:00.0	15	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12266	M1O	05-010/10:55:00.0	15	Config: CMD		
12267	M1O	05-010/10:55:00.0	15	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12268	M1O	05-010/11:03:03.9		NOTE: South Pole Crossing 13640		05-010/10:44:52.8
12269	M1O	05-010/11:03:49.9		NOTE: Periapsis 13640		05-010/10:45:38.8

12270	M1O	05-010/11:05:47.1		GV: GV_DESAT_ACTIVE = 1		05-010/10:47:36.0
12271	M1O	05-010/11:05:48.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	05-010/10:47:37.0
12272	M1O	05-010/11:05:48.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	05-010/10:47:37.0
12273	M1O	05-010/11:15:47.1		GV: GV_DESAT_ACTIVE = 0		05-010/10:57:36.0
12274	M1O	05-010/11:15:48.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	05-010/10:57:37.0
12275	M1O	05-010/11:15:49.1		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	05-010/10:57:38.0
12276	M1O	05-010/11:15:50.1		CALL, Engine = , Parameters =	unpark_hga	05-010/10:57:39.0
12277	M1O	05-010/11:15:50.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-010/10:57:39.0
12278	M1O	05-010/11:15:51.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-010/10:57:40.0
12279	M1O	05-010/11:17:45.1		NOTE: ENTER HGA KEEP OUT ZONE		
12280	M1O	05-010/11:20:07.0		NOTE: Enter Planetary Atmosphere 13640		05-010/11:01:55.9
12281	M1O	05-010/11:20:21.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	05-010/11:02:10.0
12282	M1O	05-010/11:20:22.1		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	05-010/11:02:11.0
12283	M1O	05-010/11:21:54.1		NOTE: Enter Earth Occultation 13640		05-010/11:03:43.0
12284	M1O	05-010/11:24:22.1		NOTE: EXIT HGA PARK		
12285	M1O	05-010/11:28:25.1		NOTE: EXIT HGA KEEP OUT ZONE		
12286	M1O	05-010/11:32:19.9		NOTE: Ascending Node Crossing 13640		05-010/11:14:08.8
12287	M1O	05-010/11:37:41.8		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	05-010/11:19:30.8
12288	M1O	05-010/11:37:41.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-010/11:19:30.9
12289	M1O	05-010/11:37:42.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-010/11:19:31.9
12290	M1O	05-010/11:37:43.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-010/11:19:32.9
12291	M1O	05-010/11:37:44.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-010/11:19:33.9
12292	M1O	05-010/11:37:45.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry	XMIT_SELECT	05-010/11:19:34.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				when transmitting through the x-band.: HGA		
12293	M1O	05-010/11:37:55.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-010/11:19:44.9
12294	M1O	05-010/11:38:05.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-010/11:19:54.9
12295	M1O	05-010/11:38:06.8		NOTE: Exit Earth Occultation 13640		05-010/11:19:55.8
12296	M1O	05-010/11:38:06.8	63	Acquisition Of X-Band Signal		
12297	M1O	05-010/11:38:06.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12298	M1O	05-010/11:39:50.4		NOTE: Exit Planetary Atmosphere 13640		05-010/11:21:39.3
12299	M1O	05-010/11:45:05.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-010/11:26:54.9
12300	M1O	05-010/11:45:06.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-010/11:26:55.9
12301	M1O	05-010/11:45:06.9	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12302	M1O	05-010/11:45:07.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-010/11:26:56.9
12303	M1O	05-010/12:02:17.3		NOTE: North Pole Crossing 13640		05-010/11:44:06.3
12304	M1O	05-010/12:03:08.9		NOTE: Apoapsis 13640 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
12338	M1O	05-010/13:50:19.9		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-010/13:32:09.1
12339	M1O	05-010/13:50:22.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-010/13:32:11.2
12340	M1O	05-010/13:50:22.0	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12341	M1O	05-010/13:50:23.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-010/13:32:12.2
12342	M1O	05-010/13:51:21.6	15	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12343	M1O	05-010/13:56:21.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-010/13:38:11.2
12344	M1O	05-010/13:56:21.9	15	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12345	M1O	05-010/13:56:22.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-010/13:38:12.2
12346	M1O	05-010/14:00:47.8		NOTE: North Pole Crossing 13641		05-010/13:42:37.1
12347	M1O	05-010/14:01:43.5		NOTE: Apoapsis 13641 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12380	M1O	05-010/16:29:21.4		NOTE: Descending Node Crossing 13643		05-010/16:11:11.0
12381	M1O	05-010/16:29:59.0	15	X-Band Transmitter Off		
12382	M1O	05-010/16:58:40.2		NOTE: South Pole Crossing 13643		05-010/16:40:29.9
12383	M1O	05-010/16:59:15.7		NOTE: Periapsis 13643		05-010/16:41:05.3

12384	M1O	05-010/17:05:18.4		SPAWN, Engine = 65535, Parameters = 00:33:23.297	dpt	05-010/16:47:08.1
12385	M1O	05-010/17:05:20.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-010/16:47:10.2
12386	M1O	05-010/17:05:20.5	15	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12387	M1O	05-010/17:05:21.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-010/16:47:11.2
12388	M1O	05-010/17:06:19.7	15	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12389	M1O	05-010/17:13:01.3		NOTE: ENTER HGA KEEP OUT ZONE		
12390	M1O	05-010/17:13:01.3	15	NOTE: Loss Of X-Band Signal		
12391	M1O	05-010/17:15:45.4		NOTE: Enter Planetary Atmosphere 13643		05-010/16:57:35.1
12392	M1O	05-010/17:17:32.3		NOTE: Enter Earth Occultation 13643		05-010/16:59:22.0
12393	M1O	05-010/17:24:01.2		NOTE: EXIT HGA KEEP OUT ZONE		
12394	M1O	05-010/17:27:57.5		NOTE: Ascending Node Crossing 13643		05-010/17:09:47.2
12395	M1O	05-010/17:33:43.6		NOTE: Exit Earth Occultation 13643		05-010/17:15:33.4
12396	M1O	05-010/17:33:43.6	15	Acquisition Of X-Band Signal		
12397	M1O	05-010/17:33:43.6	15	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12398	M1O	05-010/17:35:27.0		NOTE: Exit Planetary Atmosphere 13643		05-010/17:17:16.7
12399	M1O	05-010/17:38:43.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-010/17:20:33.5
12400	M1O	05-010/17:38:43.7	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12401	M1O	05-010/17:38:44.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-010/17:20:34.5
12402	M1O	05-010/17:57:56.8		NOTE: North Pole Crossing 13643		05-010/17:39:46.6
12403	M1O	05-010/17:58:52.1		NOTE: Apoapsis 13643 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12425	M1O	05-010/19:22:36.9		NOTE: EXIT HGA KEEP OUT ZONE		
12426	M1O	05-010/19:26:33.5		NOTE: Ascending Node Crossing 13644		05-010/19:08:23.5
12427	M1O	05-010/19:32:21.1		NOTE: Exit Earth Occultation 13644		05-010/19:14:11.1
12428	M1O	05-010/19:32:21.1	15	Acquisition Of X-Band Signal		
12429	M1O	05-010/19:32:21.1	15	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12430	M1O	05-010/19:34:04.4		NOTE: Exit Planetary Atmosphere 13644		05-010/19:15:54.4
12431	M1O	05-010/19:37:21.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-010/19:19:11.2
12432	M1O	05-010/19:37:21.2	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12433	M1O	05-010/19:37:22.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-010/19:19:12.2
12434	M1O	05-010/19:56:32.5		NOTE: North Pole Crossing 13644		05-010/19:38:22.6
12435	M1O	05-010/19:57:12.4		NOTE: Apoapsis 13644 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
12469	M1O	05-010/23:08:05.5	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12470	M1O	05-010/23:08:06.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-010/22:49:57.1
12471	M1O	05-010/23:09:05.4		NOTE: ENTER HGA KEEP OUT ZONE		
12472	M1O	05-010/23:09:05.4	45	NOTE: Loss Of X-Band Signal		
12473	M1O	05-010/23:11:35.5		NOTE: Enter Planetary Atmosphere 13646		05-010/22:53:26.1
12474	M1O	05-010/23:13:22.3		NOTE: Enter Earth Occultation 13646		05-010/22:55:12.8
12475	M1O	05-010/23:19:45.4		NOTE: EXIT HGA KEEP OUT ZONE		
12476	M1O	05-010/23:23:41.8		NOTE: Ascending Node Crossing 13646		05-010/23:05:32.4
12477	M1O	05-010/23:29:36.5		NOTE: Exit Earth Occultation 13646		05-010/23:11:27.1
12478	M1O	05-010/23:29:36.5	45	Acquisition Of X-Band Signal		
12479	M1O	05-010/23:29:36.5	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12480	M1O	05-010/23:31:19.8		NOTE: Exit Planetary Atmosphere 13646		05-010/23:13:10.4
12481	M1O	05-010/23:34:36.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-010/23:16:27.2
12482	M1O	05-010/23:34:36.6	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12483	M1O	05-010/23:34:37.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-010/23:16:28.2
12484	M1O	05-010/23:53:38.8		NOTE: North Pole Crossing 13646		05-010/23:35:29.5
12485	M1O	05-010/23:54:18.4		NOTE: Apoapsis 13646 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET

12512	M1O	05-011/03:05:05.9		SPAWN, Engine = 65535, Parameters = 00:26:27.877	dpt	05-011/02:46:57.0
12513	M1O	05-011/03:05:08.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/02:46:59.1
12514	M1O	05-011/03:05:08.0	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12515	M1O	05-011/03:05:09.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-011/02:47:00.1
12516	M1O	05-011/03:06:07.9		NOTE: ENTER HGA KEEP OUT ZONE		
12517	M1O	05-011/03:06:07.9	45	NOTE: Loss Of X-Band Signal		
12518	M1O	05-011/03:08:36.7		NOTE: Enter Planetary Atmosphere 13648		05-011/02:50:27.8
12519	M1O	05-011/03:10:23.7		NOTE: Enter Earth Occultation 13648		05-011/02:52:14.8
12520	M1O	05-011/03:16:47.8		NOTE: EXIT HGA KEEP OUT ZONE		
12521	M1O	05-011/03:20:00.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12522	M1O	05-011/03:20:42.5		NOTE: Ascending Node Crossing 13648		05-011/03:02:33.6
12523	M1O	05-011/03:26:35.7		NOTE: Exit Earth Occultation 13648		05-011/03:08:26.8
12524	M1O	05-011/03:26:35.7	45	Acquisition Of X-Band Signal		
12525	M1O	05-011/03:26:35.7	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12526	M1O	05-011/03:28:19.1		NOTE: Exit Planetary Atmosphere 13648		05-011/03:10:10.2
12527	M1O	05-011/03:31:35.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/03:13:26.9
12528	M1O	05-011/03:31:35.8	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12529	M1O	05-011/03:31:36.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/03:13:27.9
12530	M1O	05-011/03:40:00.0	63	Begin Pre-Cal		
12531	M1O	05-011/03:40:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12532	M1O	05-011/03:40:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12533	M1O	05-011/03:40:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12534	M1O	05-011/03:40:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12535	M1O	05-011/03:40:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
12536	M1O	05-011/03:40:00.0	63	Config: RCV: Parms:		
12537	M1O	05-011/03:40:00.0	63	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
12538	M1O	05-011/03:40:00.0	63	Config: TGC: BAND=X, SR=238896.000000		
12539	M1O	05-011/03:40:00.0	63	Config: TXL		
12540	M1O	05-011/03:40:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12541	M1O	05-011/03:40:00.0	63	Config: CMD		
12542	M1O	05-011/03:40:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12543	M1O	05-011/03:50:41.2		NOTE: North Pole Crossing 13648		05-011/03:32:32.4
12544	M1O	05-011/03:50:57.4		NOTE: Apoapsis 13648 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12556	M1O	05-011/04:49:24.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12557	M1O	05-011/04:49:59.6		NOTE: South Pole Crossing 13649		05-011/04:31:50.9
12558	M1O	05-011/04:50:10.9		NOTE: Periapsis 13649		05-011/04:32:02.3

12559	M1O	05-011/05:03:17.0		SPAWN, Engine = 65535, Parameters = 00:27:23	dpt	05-011/04:45:08.4
12560	M1O	05-011/05:03:19.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/04:45:10.5
12561	M1O	05-011/05:03:19.1	45	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12562	M1O	05-011/05:03:20.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-011/04:45:11.5
12563	M1O	05-011/05:03:42.8	45	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
12564	M1O	05-011/05:04:18.3	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12565	M1O	05-011/05:04:20.6		NOTE: ENTER HGA KEEP OUT ZONE		
12566	M1O	05-011/05:04:20.6	45	NOTE: Loss Of X-Band Signal		
12567	M1O	05-011/05:05:00.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
12568	M1O	05-011/05:07:13.6		NOTE: Enter Planetary Atmosphere 13649		05-011/04:49:04.9
12569	M1O	05-011/05:09:00.5		NOTE: Enter Earth Occultation 13649		05-011/04:50:51.9
12570	M1O	05-011/05:15:20.6		NOTE: EXIT HGA KEEP OUT ZONE		
12571	M1O	05-011/05:19:17.8		NOTE: Ascending Node Crossing 13649		05-011/05:01:09.2
12572	M1O	05-011/05:20:00.0	45	X-Band Transmitter Off		
12573	M1O	05-011/05:25:10.7		NOTE: Exit Earth Occultation 13649		05-011/05:07:02.2
12574	M1O	05-011/05:25:10.7	45	Acquisition Of X-Band Signal		
12575	M1O	05-011/05:25:10.7	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12576	M1O	05-011/05:25:41.2	45	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12577	M1O	05-011/05:26:54.2		NOTE: Exit Planetary Atmosphere 13649		05-011/05:08:45.7
12578	M1O	05-011/05:30:42.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/05:12:33.5
12579	M1O	05-011/05:30:42.1	45	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12580	M1O	05-011/05:30:43.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/05:12:34.5
12581	M1O	05-011/05:31:36.0	45	NOTE: Below Uplink Interlock Limit		
12582	M1O	05-011/05:38:57.2		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-011/05:20:48.6
12583	M1O	05-011/05:38:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/05:20:50.7
12584	M1O	05-011/05:38:59.3	45	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12585	M1O	05-011/05:39:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-011/05:20:51.7
12586	M1O	05-011/05:39:59.2		NOTE: Changing to 70M downlink rate: 39816_BPS		05-011/05:21:50.6
12587	M1O	05-011/05:39:59.2		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	05-011/05:21:50.6
12588	M1O	05-011/05:39:59.2	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12589	M1O	05-011/05:40:00.0	45	End Tracking		
12590	M1O	05-011/05:40:00.0	63	Begin Tracking		
12591	M1O	05-011/05:40:00.0	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		
12592	M1O	05-011/05:44:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/05:26:50.7
12593	M1O	05-011/05:44:59.3	63	D/L Change: X/08, 3-Way/45, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12594	M1O	05-011/05:45:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/05:26:51.7
12595	M1O	05-011/05:49:16.2		NOTE: North Pole Crossing 13649		05-011/05:31:07.7
12596	M1O	05-011/05:49:45.7		NOTE: Apoapsis 13649 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12597	M1O	05-011/05:55:00.0	45	End Post-Cal		
12598	M1O	05-011/05:55:15.9		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-011/05:37:07.4
12599	M1O	05-011/05:55:18.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/05:37:09.5
12600	M1O	05-011/05:55:18.0	63	D/L Change: X/08, 3-Way/45, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12601	M1O	05-011/05:55:19.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-011/05:37:10.5
12602	M1O	05-011/05:56:17.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12603	M1O	05-011/05:59:26.0	63	NOTE: Above Uplink Interlock Limit		
12604	M1O	05-011/06:00:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12605	M1O	05-011/06:01:18.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/05:43:09.5
12606	M1O	05-011/06:01:18.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12607	M1O	05-011/06:01:19.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/05:43:10.5
12608	M1O	05-011/06:05:00.0	63	Range Modulation On: SUP=3.0dB		
12609	M1O	05-011/06:06:00.0	63	Begin Ranging Acquisition		
12610	M1O	05-011/06:11:37.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
12611	M1O	05-011/06:19:15.8		NOTE: Descending Node Crossing 13650		05-011/06:01:07.3
12612	M1O	05-011/06:21:37.0	63	Range Modulation Off		
12613	M1O	05-011/06:26:37.0	63	X-Band Transmitter Off		
12614	M1O	05-011/06:35:15.0		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-011/06:17:06.5
12615	M1O	05-011/06:35:17.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/06:17:08.6
12616	M1O	05-011/06:35:17.1	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12617	M1O	05-011/06:35:18.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-011/06:17:09.6
12618	M1O	05-011/06:36:16.9	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12619	M1O	05-011/06:41:17.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/06:23:08.6
12620	M1O	05-011/06:41:17.0	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12621	M1O	05-011/06:41:18.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/06:23:09.6
12622	M1O	05-011/06:48:05.0	63	TXR On: PWR=20.0, Band=X		
12623	M1O	05-011/06:48:35.6		NOTE: South Pole Crossing 13650		05-011/06:30:27.3
12624	M1O	05-011/06:49:11.2		NOTE: Periapsis 13650		05-011/06:31:02.8

12625	M1O	05-011/06:53:05.0	63	Range Modulation On: SUP=3.0dB		
12626	M1O	05-011/06:54:05.0	63	Begin Ranging Acquisition		
12627	M1O	05-011/06:54:59.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
12628	M1O	05-011/07:01:51.9		SPAWN, Engine = 65535, Parameters = 00:27:28	dpt	05-011/06:43:43.5
12629	M1O	05-011/07:01:54.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/06:43:45.6
12630	M1O	05-011/07:01:54.0	63	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	05-011/07:01:55.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-011/06:43:46.6
12632	M1O	05-011/07:02:53.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12633	M1O	05-011/07:02:55.3		NOTE: ENTER HGA KEEP OUT ZONE		
12634	M1O	05-011/07:02:55.3	63	NOTE: Loss Of X-Band Signal		
12635	M1O	05-011/07:04:59.0	63	Range Modulation Off		
12636	M1O	05-011/07:05:49.9		NOTE: Enter Planetary Atmosphere 13650		05-011/06:47:41.6
12637	M1O	05-011/07:07:36.5		NOTE: Enter Earth Occultation 13650		05-011/06:49:28.2
12638	M1O	05-011/07:09:59.0	63	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12639	M1O	05-011/07:14:15.3		NOTE: EXIT HGA KEEP OUT ZONE		
12640	M1O	05-011/07:17:54.0		NOTE: Ascending Node Crossing 13650		05-011/06:59:45.7
12641	M1O	05-011/07:18:08.3		SPAWN, Engine = 65535, Parameters =	scdiag	05-011/07:00:00.0
12642	M1O	05-011/07:18:09.4		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	05-011/07:00:01.1
12643	M1O	05-011/07:18:10.4		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	05-011/07:00:02.1
12644	M1O	05-011/07:19:11.3		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	05-011/07:01:03.0
12645	M1O	05-011/07:19:11.5		NOTE: Start Block fsw_diag		05-011/07:01:03.2
12646	M1O	05-011/07:19:12.5		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	05-011/07:01:04.2
12647	M1O	05-011/07:19:13.5		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	05-011/07:01:05.2
12648	M1O	05-011/07:19:24.5		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	05-011/07:01:16.2
12649	M1O	05-011/07:19:54.5		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	05-011/07:01:46.2
12650	M1O	05-011/07:20:14.5		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	05-011/07:02:06.2
12651	M1O	05-011/07:20:24.5		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	05-011/07:02:16.2
12652	M1O	05-011/07:20:44.5		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	05-011/07:02:36.2
12653	M1O	05-011/07:20:54.5		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	05-011/07:02:46.2
12654	M1O	05-011/07:20:59.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	05-011/07:02:51.2
12655	M1O	05-011/07:21:04.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	05-011/07:02:56.2
12656	M1O	05-011/07:21:09.5		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	05-011/07:03:01.2
12657	M1O	05-011/07:21:14.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	05-011/07:03:06.2
12658	M1O	05-011/07:21:19.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	05-011/07:03:11.2
12659	M1O	05-011/07:21:59.5		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	05-011/07:03:51.2
12660	M1O	05-011/07:22:04.5		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	05-011/07:03:56.2
12661	M1O	05-011/07:22:09.5		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	05-011/07:04:01.2
12662	M1O	05-011/07:22:14.5		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	05-011/07:04:06.2
12663	M1O	05-011/07:22:19.5		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	05-011/07:04:11.2
12664	M1O	05-011/07:22:20.5		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	05-011/07:04:12.2
12665	M1O	05-011/07:22:21.5		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	05-011/07:04:13.2
12666	M1O	05-011/07:22:22.5		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	05-011/07:04:14.2
12667	M1O	05-011/07:22:33.5		NOTE: End Block fsw_diag.mod		05-011/07:04:25.2
12668	M1O	05-011/07:23:49.9		NOTE: Exit Earth Occultation 13650		05-011/07:05:41.6
12669	M1O	05-011/07:23:49.9	63	Acquisition Of X-Band Signal		
12670	M1O	05-011/07:23:49.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12671	M1O	05-011/07:24:21.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12672	M1O	05-011/07:25:33.1		NOTE: Exit Planetary Atmosphere 13650		05-011/07:07:24.8
12673	M1O	05-011/07:29:21.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/07:11:13.6
12674	M1O	05-011/07:29:21.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12675	M1O	05-011/07:29:22.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/07:11:14.6
12676	M1O	05-011/07:45:13.8		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-011/07:27:05.5
12677	M1O	05-011/07:45:15.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/07:27:07.6
12678	M1O	05-011/07:45:15.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12679	M1O	05-011/07:45:16.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-011/07:27:08.6
12680	M1O	05-011/07:46:15.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12681	M1O	05-011/07:47:51.9		NOTE: North Pole Crossing 13650		05-011/07:29:43.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12682	M1O	05-011/07:48:51.9		NOTE: Apoapsis 13650 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12720	M1O	05-011/10:09:36.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/09:51:28.8
12721	M1O	05-011/10:09:36.7	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12722	M1O	05-011/10:09:37.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-011/09:51:29.8
12723	M1O	05-011/10:09:53.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-011/09:51:45.8
12724	M1O	05-011/10:09:53.7	63	D/L RF Warning: SC antenna change - expect signal level variation		
12725	M1O	05-011/10:09:54.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-011/09:51:46.8
12726	M1O	05-011/10:10:23.0		CALL, Engine = , Parameters = FALSE	park_hga	05-011/09:52:15.1
12727	M1O	05-011/10:10:23.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/09:52:15.1
12728	M1O	05-011/10:10:24.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-011/09:52:16.1
12729	M1O	05-011/10:10:25.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-011/09:52:17.1
12730	M1O	05-011/10:10:25.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-011/09:52:17.1
12731	M1O	05-011/10:10:25.0		NOTE: START HGA PARK		
12732	M1O	05-011/10:10:25.0	63	NOTE: Loss Of X-Band Signal		
12733	M1O	05-011/10:10:26.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-011/09:52:18.1
12734	M1O	05-011/10:10:27.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-011/09:52:19.1
12735	M1O	05-011/10:14:56.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	05-011/09:56:49.1
12736	M1O	05-011/10:16:26.6		NOTE: Descending Node Crossing 13652		05-011/09:58:18.7
12737	M1O	05-011/10:18:26.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-011/10:00:19.1
12738	M1O	05-011/10:18:26.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	05-011/10:00:19.1
12739	M1O	05-011/10:45:45.0		NOTE: South Pole Crossing 13652		05-011/10:27:37.1
12740	M1O	05-011/10:46:34.8		NOTE: Periapsis 13652		05-011/10:28:27.0

12741	M1O	05-011/10:48:26.8		GV: GV_DESAT_ACTIVE = 1		05-011/10:30:19.0
12742	M1O	05-011/10:48:27.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	05-011/10:30:20.0
12743	M1O	05-011/10:48:27.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	05-011/10:30:20.0
12744	M1O	05-011/10:58:26.7		GV: GV_DESAT_ACTIVE = 0		05-011/10:40:19.0
12745	M1O	05-011/10:58:27.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	05-011/10:40:20.0
12746	M1O	05-011/10:58:28.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	05-011/10:40:21.0
12747	M1O	05-011/10:58:29.7		CALL, Engine = , Parameters =	unpark_hga	05-011/10:40:22.0
12748	M1O	05-011/10:58:29.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-011/10:40:22.0
12749	M1O	05-011/10:58:30.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-011/10:40:23.0
12750	M1O	05-011/11:00:25.7		NOTE: ENTER HGA KEEP OUT ZONE		
12751	M1O	05-011/11:02:55.3		NOTE: Enter Planetary Atmosphere 13652		05-011/10:44:47.6
12752	M1O	05-011/11:03:00.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	05-011/10:44:53.0
12753	M1O	05-011/11:03:01.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	05-011/10:44:54.0
12754	M1O	05-011/11:04:41.3		NOTE: Enter Earth Occultation 13652		05-011/10:46:33.5
12755	M1O	05-011/11:07:01.7		NOTE: EXIT HGA PARK		
12756	M1O	05-011/11:11:25.7		NOTE: EXIT HGA KEEP OUT ZONE		
12757	M1O	05-011/11:15:01.2		NOTE: Ascending Node Crossing 13652		05-011/10:56:53.5
12758	M1O	05-011/11:20:40.0		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	05-011/11:02:32.2
12759	M1O	05-011/11:20:40.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/11:02:32.3
12760	M1O	05-011/11:20:41.1		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	05-011/11:02:33.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
12761	M1O	05-011/11:20:42.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-011/11:02:34.3
12762	M1O	05-011/11:20:43.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-011/11:02:35.3
12763	M1O	05-011/11:20:44.1		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-011/11:02:36.3
12764	M1O	05-011/11:20:54.1		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-011/11:02:46.3
12765	M1O	05-011/11:21:04.1		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-011/11:02:56.3
12766	M1O	05-011/11:21:05.0		NOTE: Exit Earth Occultation 13652		05-011/11:02:57.2
12767	M1O	05-011/11:21:05.0	63	Acquisition Of X-Band Signal		
12768	M1O	05-011/11:21:05.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12769	M1O	05-011/11:22:47.3		NOTE: Exit Planetary Atmosphere 13652		05-011/11:04:39.6
12770	M1O	05-011/11:28:04.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/11:09:56.3
12771	M1O	05-011/11:28:05.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/11:09:57.3
12772	M1O	05-011/11:28:05.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12773	M1O	05-011/11:28:06.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-011/11:09:58.3
12774	M1O	05-011/11:35:00.0	14	Begin Pre-Cal		
12775	M1O	05-011/11:35:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12776	M1O	05-011/11:35:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12777	M1O	05-011/11:35:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12778	M1O	05-011/11:35:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12779	M1O	05-011/11:35:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
12780	M1O	05-011/11:35:00.0	14	Config: RCV: Parms:		
12781	M1O	05-011/11:35:00.0	14	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
12782	M1O	05-011/11:35:00.0	14	Config: TGC: BAND=X, SR=238896.000000		
12783	M1O	05-011/11:35:00.0	14	Config: TXL		
12784	M1O	05-011/11:35:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12785	M1O	05-011/11:35:00.0	14	Config: CMD		
12786	M1O	05-011/11:35:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12787	M1O	05-011/11:44:59.0		NOTE: North Pole Crossing 13652		05-011/11:26:51.3
12788	M1O	05-011/11:45:52.2		NOTE: Apoapsis 13652 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12807	M1O	05-011/13:16:00.0	14	Begin Ranging Acquisition		
12808	M1O	05-011/13:19:37.2		NOTE: Exit Earth Occultation 13653		05-011/13:01:29.7
12809	M1O	05-011/13:19:37.2	14	Acquisition Of X-Band Signal		
12810	M1O	05-011/13:19:37.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12811	M1O	05-011/13:19:37.2	63	Acquisition Of X-Band Signal		
12812	M1O	05-011/13:19:37.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12813	M1O	05-011/13:21:19.6		NOTE: Exit Planetary Atmosphere 13653		05-011/13:03:12.2
12814	M1O	05-011/13:24:37.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/13:06:29.8
12815	M1O	05-011/13:24:37.2	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12816	M1O	05-011/13:24:37.2	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12817	M1O	05-011/13:24:38.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/13:06:30.8
12818	M1O	05-011/13:25:00.0	63	End Tracking		
12819	M1O	05-011/13:40:00.0	63	End Post-Cal		
12820	M1O	05-011/13:43:29.1		NOTE: North Pole Crossing 13653		05-011/13:25:21.7
12821	M1O	05-011/13:44:09.1		NOTE: Apoapsis 13653 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12851	M1O	05-011/15:18:07.1	14	Acquisition Of X-Band Signal		
12852	M1O	05-011/15:18:07.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12853	M1O	05-011/15:18:38.4	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12854	M1O	05-011/15:19:49.7		NOTE: Exit Planetary Atmosphere 13654		05-011/15:01:42.5
12855	M1O	05-011/15:23:39.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/15:05:31.8
12856	M1O	05-011/15:23:39.0	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12857	M1O	05-011/15:23:40.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/15:05:32.8
12858	M1O	05-011/15:42:00.8		NOTE: North Pole Crossing 13654		05-011/15:23:53.7
12859	M1O	05-011/15:42:47.5		NOTE: Apoapsis 13654 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12896	M1O	05-011/18:40:22.5		NOTE: Periapsis 13656		05-011/18:22:15.8

12897	M1O	05-011/18:44:34.0	14	Range Modulation On: SUP=3.0dB		
12898	M1O	05-011/18:45:34.0	14	Begin Ranging Acquisition		
12899	M1O	05-011/18:53:12.5		SPAWN, Engine = 65535, Parameters = 00:27:33	dpt	05-011/18:35:05.8
12900	M1O	05-011/18:53:14.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/18:35:07.9
12901	M1O	05-011/18:53:14.6	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12902	M1O	05-011/18:53:15.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-011/18:35:08.9
12903	M1O	05-011/18:54:14.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12904	M1O	05-011/18:54:15.6		NOTE: ENTER HGA KEEP OUT ZONE		
12905	M1O	05-011/18:54:15.6	14	NOTE: Loss Of X-Band Signal		
12906	M1O	05-011/18:57:07.1		NOTE: Enter Planetary Atmosphere 13656		05-011/18:39:00.5
12907	M1O	05-011/18:58:52.9		NOTE: Enter Earth Occultation 13656		05-011/18:40:46.2
12908	M1O	05-011/19:05:35.6		NOTE: EXIT HGA KEEP OUT ZONE		
12909	M1O	05-011/19:09:11.9		NOTE: Ascending Node Crossing 13656		05-011/18:51:05.3
12910	M1O	05-011/19:15:16.2		NOTE: Exit Earth Occultation 13656		05-011/18:57:09.6
12911	M1O	05-011/19:15:16.2	14	Acquisition Of X-Band Signal		
12912	M1O	05-011/19:15:16.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12913	M1O	05-011/19:15:47.3	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12914	M1O	05-011/19:16:58.3		NOTE: Exit Planetary Atmosphere 13656		05-011/18:58:51.7
12915	M1O	05-011/19:20:00.0	43	Begin Pre-Cal		
12916	M1O	05-011/19:20:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12917	M1O	05-011/19:20:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12918	M1O	05-011/19:20:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12919	M1O	05-011/19:20:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12920	M1O	05-011/19:20:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
12921	M1O	05-011/19:20:00.0	43	Config: RCV: Parms:		
12922	M1O	05-011/19:20:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
12923	M1O	05-011/19:20:00.0	43	Config: TGC: BAND=X, SR=238896.000000		
12924	M1O	05-011/19:20:00.0	43	Config: TXL		
12925	M1O	05-011/19:20:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12926	M1O	05-011/19:20:00.0	43	Config: CMD		
12927	M1O	05-011/19:20:47.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/19:02:40.9
12928	M1O	05-011/19:20:47.6	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12929	M1O	05-011/19:20:48.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/19:02:41.9
12930	M1O	05-011/19:39:11.4		NOTE: North Pole Crossing 13656		05-011/19:21:04.8
12931	M1O	05-011/19:39:49.2		NOTE: Apoapsis 13656 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12942	M1O	05-011/20:51:48.2		SPAWN, Engine = 65535, Parameters = 00:27:04.274	dpt	05-011/20:33:41.8
12943	M1O	05-011/20:51:50.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/20:33:43.9
12944	M1O	05-011/20:51:50.3	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12945	M1O	05-011/20:51:50.3	43	D/L Change: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12946	M1O	05-011/20:51:51.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-011/20:33:44.9
12947	M1O	05-011/20:52:49.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12948	M1O	05-011/20:52:49.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12949	M1O	05-011/20:52:51.3		NOTE: ENTER HGA KEEP OUT ZONE		
12950	M1O	05-011/20:52:51.3	14	NOTE: Loss Of X-Band Signal		
12951	M1O	05-011/20:52:51.3	43	NOTE: Loss Of X-Band Signal		
12952	M1O	05-011/20:55:44.9		NOTE: Enter Planetary Atmosphere 13657		05-011/20:37:38.6
12953	M1O	05-011/20:57:05.0	14	NOTE: Below Uplink Interlock Limit		
12954	M1O	05-011/20:57:30.7		NOTE: Enter Earth Occultation 13657		05-011/20:39:24.3
12955	M1O	05-011/21:04:11.3		NOTE: EXIT HGA KEEP OUT ZONE		
12956	M1O	05-011/21:07:48.0		NOTE: Ascending Node Crossing 13657		05-011/20:49:41.6
12957	M1O	05-011/21:10:00.0	14	End Tracking		
12958	M1O	05-011/21:13:54.5		NOTE: Exit Earth Occultation 13657		05-011/20:55:48.1
12959	M1O	05-011/21:13:54.5	43	Acquisition Of X-Band Signal		
12960	M1O	05-011/21:13:54.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12961	M1O	05-011/21:15:36.6		NOTE: Exit Planetary Atmosphere 13657		05-011/20:57:30.3
12962	M1O	05-011/21:18:54.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/21:00:48.2
12963	M1O	05-011/21:18:54.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12964	M1O	05-011/21:18:55.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/21:00:49.2
12965	M1O	05-011/21:25:00.0	14	End Post-Cal		
12966	M1O	05-011/21:26:11.2		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-011/21:08:04.8
12967	M1O	05-011/21:26:13.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-011/21:08:06.9
12968	M1O	05-011/21:26:13.3	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12969	M1O	05-011/21:26:14.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-011/21:08:07.9
12970	M1O	05-011/21:27:12.7	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12971	M1O	05-011/21:32:13.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/21:14:06.9
12972	M1O	05-011/21:32:13.2	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12973	M1O	05-011/21:32:14.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/21:14:07.9
12974	M1O	05-011/21:37:46.7		NOTE: North Pole Crossing 13657		05-011/21:19:40.4
12975	M1O	05-011/21:38:08.6		NOTE: Apoapsis 13657 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12984	M1O	05-011/22:50:25.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12985	M1O	05-011/22:50:26.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-011/22:32:19.9
12986	M1O	05-011/22:51:24.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12987	M1O	05-011/22:51:26.1		NOTE: ENTER HGA KEEP OUT ZONE		
12988	M1O	05-011/22:51:26.1	43	NOTE: Loss Of X-Band Signal		
12989	M1O	05-011/22:54:22.1		NOTE: Enter Planetary Atmosphere 13658		05-011/22:36:16.0
12990	M1O	05-011/22:56:07.8		NOTE: Enter Earth Occultation 13658		05-011/22:38:01.7
12991	M1O	05-011/23:02:46.0		NOTE: EXIT HGA KEEP OUT ZONE		
12992	M1O	05-011/23:06:22.2		NOTE: Ascending Node Crossing 13658		05-011/22:48:16.1
12993	M1O	05-011/23:12:32.6		NOTE: Exit Earth Occultation 13658		05-011/22:54:26.5
12994	M1O	05-011/23:12:32.6	43	Acquisition Of X-Band Signal		
12995	M1O	05-011/23:12:32.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12996	M1O	05-011/23:13:03.2	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12997	M1O	05-011/23:14:14.8		NOTE: Exit Planetary Atmosphere 13658		05-011/22:56:08.7
12998	M1O	05-011/23:18:04.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-011/22:59:57.9
12999	M1O	05-011/23:18:04.0	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13000	M1O	05-011/23:18:05.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-011/22:59:58.9
13001	M1O	05-011/23:36:19.8		NOTE: North Pole Crossing 13658		05-011/23:18:13.8
13002	M1O	05-011/23:36:44.5		NOTE: Apoapsis 13658 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				-		
13029	M1O	05-012/02:04:49.0		NOTE: Descending Node Crossing 13660		05-012/01:46:43.3
13030	M1O	05-012/02:34:06.1		NOTE: South Pole Crossing 13660		05-012/02:16:00.5
13031	M1O	05-012/02:34:18.1		NOTE: Periapsis 13660		05-012/02:16:12.6

13032	M1O	05-012/02:47:26.5		SPAWN, Engine = 65535, Parameters = 00:27:05.891	dpt	05-012/02:29:21.0
13033	M1O	05-012/02:47:28.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-012/02:29:23.1
13034	M1O	05-012/02:47:28.6	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13035	M1O	05-012/02:47:29.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-012/02:29:24.1
13036	M1O	05-012/02:48:28.5		NOTE: ENTER HGA KEEP OUT ZONE		
13037	M1O	05-012/02:48:28.5	43	NOTE: Loss Of X-Band Signal		
13038	M1O	05-012/02:51:23.3		NOTE: Enter Planetary Atmosphere 13660		05-012/02:33:17.8
13039	M1O	05-012/02:53:09.0		NOTE: Enter Earth Occultation 13660		05-012/02:35:03.4
13040	M1O	05-012/03:00:08.5		NOTE: EXIT HGA KEEP OUT ZONE		
13041	M1O	05-012/03:03:22.6		NOTE: Ascending Node Crossing 13660		05-012/02:45:17.1
13042	M1O	05-012/03:09:34.3		NOTE: Exit Earth Occultation 13660		05-012/02:51:28.8
13043	M1O	05-012/03:09:34.3	43	Acquisition Of X-Band Signal		
13044	M1O	05-012/03:09:34.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13045	M1O	05-012/03:11:16.4		NOTE: Exit Planetary Atmosphere 13660		05-012/02:53:10.9
13046	M1O	05-012/03:14:34.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-012/02:56:28.9
13047	M1O	05-012/03:14:34.4	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13048	M1O	05-012/03:14:35.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-012/02:56:29.9
13049	M1O	05-012/03:33:21.3		NOTE: North Pole Crossing 13660		05-012/03:15:15.8
13050	M1O	05-012/03:33:37.0		NOTE: Apoapsis 13660 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13073	M1O	05-012/04:49:58.5		NOTE: Enter Planetary Atmosphere 13661		05-012/04:31:53.2
13074	M1O	05-012/04:51:44.4		NOTE: Enter Earth Occultation 13661		05-012/04:33:39.1
13075	M1O	05-012/04:58:40.2		NOTE: EXIT HGA KEEP OUT ZONE		
13076	M1O	05-012/05:01:56.2		NOTE: Ascending Node Crossing 13661		05-012/04:43:51.0
13077	M1O	05-012/05:08:05.5		NOTE: Exit Earth Occultation 13661		05-012/04:50:00.3
13078	M1O	05-012/05:08:05.5	43	Acquisition Of X-Band Signal		
13079	M1O	05-012/05:08:05.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13080	M1O	05-012/05:09:47.9		NOTE: Exit Planetary Atmosphere 13661		05-012/04:51:42.6
13081	M1O	05-012/05:13:05.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-012/04:55:00.4
13082	M1O	05-012/05:13:05.6	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13083	M1O	05-012/05:13:06.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-012/04:55:01.4
13084	M1O	05-012/05:31:55.3		NOTE: North Pole Crossing 13661		05-012/05:13:50.2
13085	M1O	05-012/05:32:04.4		NOTE: Apoapsis 13661 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13116	M1O	05-012/06:48:35.8		NOTE: Enter Planetary Atmosphere 13662		05-012/06:30:30.8
13117	M1O	05-012/06:50:21.5		NOTE: Enter Earth Occultation 13662		05-012/06:32:16.5
13118	M1O	05-012/06:57:14.9		NOTE: EXIT HGA KEEP OUT ZONE		
13119	M1O	05-012/07:00:32.6		NOTE: Ascending Node Crossing 13662		05-012/06:42:27.7
13120	M1O	05-012/07:06:43.6		NOTE: Exit Earth Occultation 13662		05-012/06:48:38.7
13121	M1O	05-012/07:06:43.6	65	Acquisition Of X-Band Signal		
13122	M1O	05-012/07:06:43.6	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13123	M1O	05-012/07:07:15.0	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13124	M1O	05-012/07:08:25.9		NOTE: Exit Planetary Atmosphere 13662		05-012/06:50:20.9
13125	M1O	05-012/07:12:15.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-012/06:54:10.2
13126	M1O	05-012/07:12:15.2	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13127	M1O	05-012/07:12:16.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-012/06:54:11.2
13128	M1O	05-012/07:18:04.9		SPAWN, Engine = 65535, Parameters =	scdiag	05-012/07:00:00.0
13129	M1O	05-012/07:18:06.0		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	05-012/07:00:01.1
13130	M1O	05-012/07:18:07.0		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	05-012/07:00:02.1
13131	M1O	05-012/07:19:07.9		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	05-012/07:01:03.0
13132	M1O	05-012/07:19:08.1		NOTE: Start Block fsw_diag		05-012/07:01:03.2
13133	M1O	05-012/07:19:09.1		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	05-012/07:01:04.2
13134	M1O	05-012/07:19:10.1		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	05-012/07:01:05.2
13135	M1O	05-012/07:19:21.1		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	05-012/07:01:16.2
13136	M1O	05-012/07:19:51.1		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	05-012/07:01:46.2
13137	M1O	05-012/07:20:11.1		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	05-012/07:02:06.2
13138	M1O	05-012/07:20:21.1		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	05-012/07:02:16.2
13139	M1O	05-012/07:20:41.1		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	05-012/07:02:36.2
13140	M1O	05-012/07:20:51.1		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	05-012/07:02:46.2
13141	M1O	05-012/07:20:56.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	05-012/07:02:51.2
13142	M1O	05-012/07:21:01.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	05-012/07:02:56.2
13143	M1O	05-012/07:21:06.1		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	05-012/07:03:01.2
13144	M1O	05-012/07:21:11.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	05-012/07:03:06.2
13145	M1O	05-012/07:21:16.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	05-012/07:03:11.2
13146	M1O	05-012/07:21:56.1		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	05-012/07:03:51.2
13147	M1O	05-012/07:22:01.1		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	05-012/07:03:56.2
13148	M1O	05-012/07:22:06.1		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	05-012/07:04:01.2
13149	M1O	05-012/07:22:11.1		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	05-012/07:04:06.2
13150	M1O	05-012/07:22:16.1		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	05-012/07:04:11.2
13151	M1O	05-012/07:22:17.1		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	05-012/07:04:12.2
13152	M1O	05-012/07:22:18.1		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	05-012/07:04:13.2
13153	M1O	05-012/07:22:19.1		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	05-012/07:04:14.2
13154	M1O	05-012/07:22:30.1		NOTE: End Block fsw_diag.mod		05-012/07:04:25.2
13155	M1O	05-012/07:30:31.2		NOTE: North Pole Crossing 13662		05-012/07:12:26.3
13156	M1O	05-012/07:31:05.6		NOTE: Apoapsis 13662 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13160	M1O	05-012/08:07:59.0	65	X-Band Transmitter Off		
13161	M1O	05-012/08:29:45.0	65	TXR On: PWR=20.0, Band=X		
13162	M1O	05-012/08:29:50.5		NOTE: South Pole Crossing 13663		05-012/08:11:45.8
13163	M1O	05-012/08:30:29.9		NOTE: Periapsis 13663		05-012/08:12:25.2

13164	M1O	05-012/08:34:45.0	65	Range Modulation On: SUP=3.0dB		
13165	M1O	05-012/08:35:45.0	65	Begin Ranging Acquisition		
13166	M1O	05-012/08:43:06.9		SPAWN, Engine = 65535, Parameters = 00:27:46	dpt	05-012/08:25:02.1
13167	M1O	05-012/08:43:09.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-012/08:25:04.2
13168	M1O	05-012/08:43:09.0	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13169	M1O	05-012/08:43:10.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-012/08:25:05.2
13170	M1O	05-012/08:44:08.5	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13171	M1O	05-012/08:44:10.7		NOTE: ENTER HGA KEEP OUT ZONE		
13172	M1O	05-012/08:44:10.7	65	NOTE: Loss Of X-Band Signal		
13173	M1O	05-012/08:47:11.2		NOTE: Enter Planetary Atmosphere 13663		05-012/08:29:06.5
13174	M1O	05-012/08:48:56.4		NOTE: Enter Earth Occultation 13663		05-012/08:30:51.7
13175	M1O	05-012/08:55:50.6		NOTE: EXIT HGA KEEP OUT ZONE		
13176	M1O	05-012/08:59:08.6		NOTE: Ascending Node Crossing 13663		05-012/08:41:03.9
13177	M1O	05-012/09:01:56.0	65	NOTE: X-Band Transmitter Off in 15 minutes		
13178	M1O	05-012/09:05:23.3		NOTE: Exit Earth Occultation 13663		05-012/08:47:18.6
13179	M1O	05-012/09:05:23.3	65	Acquisition Of X-Band Signal		
13180	M1O	05-012/09:05:23.3	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13181	M1O	05-012/09:05:54.4	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13182	M1O	05-012/09:07:05.1		NOTE: Exit Planetary Atmosphere 13663		05-012/08:49:00.4
13183	M1O	05-012/09:10:54.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-012/08:52:50.2
13184	M1O	05-012/09:10:54.9	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13185	M1O	05-012/09:10:55.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-012/08:52:51.2
13186	M1O	05-012/09:11:56.0	65	Range Modulation Off		
13187	M1O	05-012/09:16:56.0	65	X-Band Transmitter Off		
13188	M1O	05-012/09:29:06.9		NOTE: North Pole Crossing 13663		05-012/09:11:02.3
13189	M1O	05-012/09:30:04.2		NOTE: Apoapsis 13663 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13201	M1O	05-012/09:42:15.3	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13202	M1O	05-012/09:52:16.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-012/09:34:11.8
13203	M1O	05-012/09:52:16.3	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13204	M1O	05-012/09:52:17.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-012/09:34:12.8
13205	M1O	05-012/09:52:47.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	05-012/09:34:42.8
13206	M1O	05-012/09:52:47.3	65	NOTE: Loss Of X-Band Signal		
13207	M1O	05-012/09:52:57.3		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	05-012/09:34:52.8
13208	M1O	05-012/09:52:58.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-012/09:34:53.8
13209	M1O	05-012/09:52:59.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-012/09:34:54.8
13210	M1O	05-012/09:53:02.6		CALL, Engine = , Parameters = FALSE	park_hga	05-012/09:34:58.1
13211	M1O	05-012/09:53:02.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-012/09:34:58.1
13212	M1O	05-012/09:53:03.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	05-012/09:34:59.1
13213	M1O	05-012/09:53:04.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	05-012/09:35:00.1
13214	M1O	05-012/09:53:04.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-012/09:35:00.1
13215	M1O	05-012/09:53:04.6		NOTE: START HGA PARK		
13216	M1O	05-012/09:53:05.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-012/09:35:01.1
13217	M1O	05-012/09:53:06.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-012/09:35:02.1
13218	M1O	05-012/09:57:36.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	05-012/09:39:32.1
13219	M1O	05-012/09:59:06.9		NOTE: Descending Node Crossing 13664		05-012/09:41:02.4
13220	M1O	05-012/10:01:06.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	05-012/09:43:02.1
13221	M1O	05-012/10:01:06.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	05-012/09:43:02.1
13222	M1O	05-012/10:28:24.0	65	TXR On: PWR=20.0, Band=X		
13223	M1O	05-012/10:28:25.7		NOTE: South Pole Crossing 13664		05-012/10:10:21.3
13224	M1O	05-012/10:29:15.0		NOTE: Periapsis 13664		05-012/10:11:10.5

13225	M1O	05-012/10:31:06.4		GV: GV_DESAT_ACTIVE = 1		05-012/10:13:02.0
13226	M1O	05-012/10:31:07.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	05-012/10:13:03.0
13227	M1O	05-012/10:31:07.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	05-012/10:13:03.0
13228	M1O	05-012/10:33:24.0	65	Range Modulation On: SUP=3.0dB		
13229	M1O	05-012/10:34:24.0	65	Begin Ranging Acquisition		
13230	M1O	05-012/10:41:06.4		GV: GV_DESAT_ACTIVE = 0		05-012/10:23:02.0
13231	M1O	05-012/10:41:07.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	05-012/10:23:03.0
13232	M1O	05-012/10:41:08.4		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	05-012/10:23:04.0
13233	M1O	05-012/10:41:09.4		CALL, Engine = , Parameters =	unpark_hga	05-012/10:23:05.0
13234	M1O	05-012/10:41:09.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	05-012/10:23:05.0
13235	M1O	05-012/10:41:10.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	05-012/10:23:06.0
13236	M1O	05-012/10:42:46.4		NOTE: ENTER HGA KEEP OUT ZONE		
13237	M1O	05-012/10:45:40.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	05-012/10:27:36.0
13238	M1O	05-012/10:45:41.4		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	05-012/10:27:37.0
13239	M1O	05-012/10:45:43.9		NOTE: Enter Planetary Atmosphere 13664		05-012/10:27:39.5
13240	M1O	05-012/10:47:28.8		NOTE: Enter Earth Occultation 13664		05-012/10:29:24.4
13241	M1O	05-012/10:49:41.4		NOTE: EXIT HGA PARK		
13242	M1O	05-012/10:54:26.3		NOTE: EXIT HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13243	M1O	05-012/10:55:00.0	14	Begin Pre-Cal		
13244	M1O	05-012/10:55:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13245	M1O	05-012/10:55:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13246	M1O	05-012/10:55:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13247	M1O	05-012/10:55:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13248	M1O	05-012/10:55:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
13249	M1O	05-012/10:55:00.0	14	Config: RCV: Parms:		
13250	M1O	05-012/10:55:00.0	14	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
13251	M1O	05-012/10:55:00.0	14	Config: TGC: BAND=X, SR=238896.000000		
13252	M1O	05-012/10:55:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
13253	M1O	05-012/10:57:42.6		NOTE: Ascending Node Crossing 13664		05-012/10:39:38.2
13254	M1O	05-012/11:03:36.7		SPAWN, Engine = 65535, Parameters = 00:07:31.794	cstr	05-012/10:45:32.4
13255	M1O	05-012/11:03:36.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-012/10:45:32.5
13256	M1O	05-012/11:03:37.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-012/10:45:33.5
13257	M1O	05-012/11:03:38.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	05-012/10:45:34.5
13258	M1O	05-012/11:03:39.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	05-012/10:45:35.5
13259	M1O	05-012/11:03:40.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	05-012/10:45:36.5
13260	M1O	05-012/11:03:50.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	05-012/10:45:46.5
13261	M1O	05-012/11:04:00.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	05-012/10:45:56.5
13262	M1O	05-012/11:04:01.7		NOTE: Exit Earth Occultation 13664		05-012/10:45:57.4
13263	M1O	05-012/11:04:01.7	65	Acquisition Of X-Band Signal		
13264	M1O	05-012/11:04:01.7	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13265	M1O	05-012/11:04:32.8	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13266	M1O	05-012/11:05:43.1		NOTE: Exit Planetary Atmosphere 13664		05-012/10:47:38.7
13267	M1O	05-012/11:11:32.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-012/10:53:28.2
13268	M1O	05-012/11:11:33.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-012/10:53:29.2
13269	M1O	05-012/11:11:33.6	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13270	M1O	05-012/11:11:34.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	05-012/10:53:30.2
13271	M1O	05-012/11:27:40.7		NOTE: North Pole Crossing 13664		05-012/11:09:36.4
13272	M1O	05-012/11:28:36.0		NOTE: Apoapsis 13664 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13288	M1O	05-012/12:45:00.0	65	End Tracking		
13289	M1O	05-012/12:46:01.1		NOTE: Enter Earth Occultation 13665		05-012/12:27:56.9
13290	M1O	05-012/12:53:00.1		NOTE: EXIT HGA KEEP OUT ZONE		
13291	M1O	05-012/12:54:59.9		NOTE: Changing to 70M downlink rate: 39816_BPS		05-012/12:36:55.7
13292	M1O	05-012/12:54:59.9		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	05-012/12:36:55.7
13293	M1O	05-012/12:55:00.0	14	Begin Tracking		
13294	M1O	05-012/12:56:14.1		NOTE: Ascending Node Crossing 13665		05-012/12:38:10.0
13295	M1O	05-012/13:00:00.0	65	End Post-Cal		
13296	M1O	05-012/13:02:36.2		NOTE: Exit Earth Occultation 13665		05-012/12:44:32.1
13297	M1O	05-012/13:02:36.2	14	Acquisition Of X-Band Signal		
13298	M1O	05-012/13:02:36.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13299	M1O	05-012/13:04:17.5		NOTE: Exit Planetary Atmosphere 13665		05-012/12:46:13.4
13300	M1O	05-012/13:07:36.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-012/12:49:32.2
13301	M1O	05-012/13:07:36.3	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13302	M1O	05-012/13:07:37.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-012/12:49:33.2
13303	M1O	05-012/13:08:59.0	14	NOTE: Above Uplink Interlock Limit		
13304	M1O	05-012/13:26:11.8		NOTE: North Pole Crossing 13665		05-012/13:08:07.8
13305	M1O	05-012/13:26:47.0		NOTE: Apoapsis 13665 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13331	M1O	05-012/16:30:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13332	M1O	05-012/16:35:00.0	14	Range Modulation On: SUP=3.0dB		
13333	M1O	05-012/16:36:00.0	14	Begin Ranging Acquisition		
13334	M1O	05-012/16:37:18.5		SPAWN, Engine = 65535, Parameters = 00:33:47.342	dpt	05-012/16:19:15.0
13335	M1O	05-012/16:37:20.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-012/16:19:17.1
13336	M1O	05-012/16:37:20.6	14	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13337	M1O	05-012/16:37:21.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-012/16:19:18.1
13338	M1O	05-012/16:38:20.5		NOTE: ENTER HGA KEEP OUT ZONE		
13339	M1O	05-012/16:38:20.5	14	NOTE: Loss Of X-Band Signal		
13340	M1O	05-012/16:41:22.3		NOTE: Enter Planetary Atmosphere 13667		05-012/16:23:18.7
13341	M1O	05-012/16:43:07.1		NOTE: Enter Earth Occultation 13667		05-012/16:25:03.6
13342	M1O	05-012/16:50:20.5		NOTE: EXIT HGA KEEP OUT ZONE		
13343	M1O	05-012/16:53:17.0		NOTE: Ascending Node Crossing 13667		05-012/16:35:13.5
13344	M1O	05-012/16:59:38.3		NOTE: Exit Earth Occultation 13667		05-012/16:41:34.7
13345	M1O	05-012/16:59:38.3	14	Acquisition Of X-Band Signal		
13346	M1O	05-012/16:59:38.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13347	M1O	05-012/17:01:19.6		NOTE: Exit Planetary Atmosphere 13667		05-012/16:43:16.0
13348	M1O	05-012/17:06:07.1	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13349	M1O	05-012/17:11:07.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-012/16:53:04.4
13350	M1O	05-012/17:11:07.9	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13351	M1O	05-012/17:11:08.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-012/16:53:05.4
13352	M1O	05-012/17:23:15.9		NOTE: North Pole Crossing 13667		05-012/17:05:12.4
13353	M1O	05-012/17:23:59.9		NOTE: Apoapsis 13667 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13377	M1O	05-012/18:36:53.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13378	M1O	05-012/18:36:55.3		NOTE: ENTER HGA KEEP OUT ZONE		
13379	M1O	05-012/18:36:55.3	14	NOTE: Loss Of X-Band Signal		
13380	M1O	05-012/18:39:54.7		NOTE: Enter Planetary Atmosphere 13668		05-012/18:21:51.4
13381	M1O	05-012/18:41:39.3		NOTE: Enter Earth Occultation 13668		05-012/18:23:36.0
13382	M1O	05-012/18:48:55.2		NOTE: EXIT HGA KEEP OUT ZONE		
13383	M1O	05-012/18:51:51.7		NOTE: Ascending Node Crossing 13668		05-012/18:33:48.5
13384	M1O	05-012/18:58:12.9		NOTE: Exit Earth Occultation 13668		05-012/18:40:09.7
13385	M1O	05-012/18:58:12.9	14	Acquisition Of X-Band Signal		
13386	M1O	05-012/18:58:12.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13387	M1O	05-012/18:58:44.6	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13388	M1O	05-012/18:59:54.0		NOTE: Exit Planetary Atmosphere 13668		05-012/18:41:50.7
13389	M1O	05-012/19:03:44.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-012/18:45:41.5
13390	M1O	05-012/19:03:44.8	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13391	M1O	05-012/19:03:45.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-012/18:45:42.5
13392	M1O	05-012/19:21:51.4		NOTE: North Pole Crossing 13668		05-012/19:03:48.2
13393	M1O	05-012/19:22:30.5		NOTE: Apoapsis 13668 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13425	M1O	05-012/20:57:22.0	14	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13426	M1O	05-012/20:57:22.0	43	Acquire D/L: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13427	M1O	05-012/20:58:31.4		NOTE: Exit Planetary Atmosphere 13669		05-012/20:40:28.4
13428	M1O	05-012/21:02:22.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	05-012/20:44:19.5
13429	M1O	05-012/21:02:22.5	14	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13430	M1O	05-012/21:02:22.5	43	D/L Change: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13431	M1O	05-012/21:02:23.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	05-012/20:44:20.5
13432	M1O	05-012/21:10:00.0	14	End Tracking		
13433	M1O	05-012/21:20:04.4		SPAWN, Engine = 65535, Parameters = 00:06:00	dpt	05-012/21:02:01.4
13434	M1O	05-012/21:20:06.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	05-012/21:02:03.5
13435	M1O	05-012/21:20:06.5	43	D/L Change: X/08, 3-Way/14, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13436	M1O	05-012/21:20:07.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	05-012/21:02:04.5
13437	M1O	05-012/21:20:27.1		NOTE: North Pole Crossing 13669		05-012/21:02:24.1
13438	M1O	05-012/21:20:50.2		NOTE: Apoapsis 13669 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13464	M1O	05-012/23:19:01.3		NOTE: North Pole Crossing 13670		05-012/23:00:58.7
13465	M1O	05-012/23:19:13.1		NOTE: Apoapsis 13670 - - -