SEQUENCE OF EVENTS File: cm044a.02.rsoe Source: cm044a.02.pef Generated: Wed Jul 21 15:19:43 2004
M1O (053) DKF: cm044a.02.dkf Alloc: M01O_04210_04240B.SAF
Page 1 OWLT = 21:46, RTLT = 43:32

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1	M1O	04-210/23:44:12.0	26	Range Modulation On: SUP=3.0dB		
2	M1O	04-210/23:45:12.0	26	Begin Ranging Acquisition		
3	M1O	04-211/00:09:54.2	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		
4	M1O	04-211/00:09:54.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5	M1O	04-211/00:19:55.2	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		
6	M1O	04-211/00:19:55.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7	M1O	04-211/00:20:12.2	43	D/L RF Warning: SC antenna change - expect signal level variation		
8	M1O	04-211/00:20:12.2	26	D/L RF Warning: SC antenna change - expect signal level variation		
9	M1O	04-211/00:20:44.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10	M1O	04-211/00:20:44.5	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11	M1O	04-211/00:21:46.5		GV: GV_TIME_IN_SECONDS=0,GV_LIFTOFF_FLAG=1,GV_SEPARATION_FLAG=1, GV_EXPECTED_LAUNCH_TIME=1980-001T00:00:00.000,GV_EXPECTED_SEP_TIME=1980-001T00:00:00.000, GV_TCM_CUTOFF=0,GV_UHF_BUFFER_NOT_EMPTY=0,GV_SPARE_07=0,GV_GRS_MAIN_PWR_ON_OK=1, GV_DESAT_ACTIVE=0,GV_SPARE_10=0,GV_SA_UNRESTRAIN_FAILED=0,GV_SA_IN_HOOK=0, GV_ACTIVE_THRUSTER_STRING=0,GV_SPARE_14=0,GV_SPARE_15=0,GV_SPARE_16=0,GV_SPARE_17=0, GV_SPARE_18=0,GV_SPARE_19=0,GV_SPARE_20=0,GV_SPARE_21=0,GV_SPARE_22=0,GV_SPARE_23=0, GV_SPARE_24=0,GV_SPARE_25=0,GV_SPARE_26=0,GV_SPARE_27=0,GV_SPARE_28=0,GV_SPARE_29=0, GV_SPARE_30=0,GV_SPARE_31=0,GV_SPARE_32=0,GV_SPARE_33=0,GV_SPARE_34=0,GV_SPARE_35=0, GV_SPARE_36=0,GV_SPARE_37=0,GV_MIN_BURN=0,GV_SPARE_39=0,GV_MOI_END=0, GV_MOI_ACCEL_CUTOFF=1,GV_MOI_SA_POS=0,GV_MOI_SM_PYRO=0,GV_SPARE_44=0,GV_SPARE_45=0, GV_ACS_MODE=14,GV_AD_STATE=0,GV_SPARE_48=0,GV_SPARE_49=0,GV_SM_TLM_ON_DUR=0, GV_SPARE_51=0,GV_SPARE_52=0,GV_SPARE_53=0,GV_SPARE_54=0,GV_SPARE_55=0,GV_SPARE_56=0, GV_SPARE_57=0,GV_SPARE_58=0,GV_SPARE_59=0,GV_SPARE_60=0,GV_SPARE_61=0,GV_SPARE_62=0, GV_SPARE_63=0,GV_SPARE_64=0,GV_SPARE_65=0,GV_SPARE_66=0,GV_SPARE_67=0,GV_SPARE_68=0, GV_SPARE_69=0,GV_SPARE_70=0,GV_SPARE_71=0,GV_SPARE_72=0,GV_SPARE_73=0,GV_SPARE_74=0, GV_SPARE_75=0,GV_SPARE_76=0,GV_SPARE_77=0,GV_SPARE_78=0,GV_SPARE_79=0,GV_SPARE_80=0, GV_SPARE_81=0,GV_SPARE_82=0,GV_SPARE_83=0,GV_SPARE_84=0,GV_SPARE_85=0,GV_SPARE_86=0, GV_SPARE_87=0,GV_SPARE_88=0,GV_ALG_PERI_DT=00:00:00, GV_ALG_PERI_PRED_TIME=2002-011T09:04:40.294,GV_CUM_PERI_DT=00:00:00,GV_SPARE_92=0, GV_SPARE_93=0,GV_SEQ_INFO_MSG=,GV_SEQ_WARN_MSG=,GV_SEQ_ERROR_MSG=, GV_PREV_AERO_SEQ=d:/seq/cp331b.abs,GV_SPARE_98=0,GV_SPARE_99=0;		04-211/00:00:00.0
12	M1O	04-211/00:21:46.5		Dummy command to mark beg/end of mini sequences: cz532a, 2004-218T00:00:02.000	START_MINI	04-211/00:00:00.0
13	M1O	04-211/00:21:56.5		Deletes the designated file.: d:/seq/cz532.abs	FILE_DELETE	04-211/00:00:10.0
14	M1O	04-211/00:22:21.5		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-211/00:00:35.0
15	M1O	04-211/00:22:21.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-211/00:00:35.1
16	M1O	04-211/00:22:22.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-211/00:00:36.1
17	M1O	04-211/00:22:23.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-211/00:00:37.1
18	M1O	04-211/00:22:24.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-211/00:00:38.1
19	M1O	04-211/00:22:24.6	43	D/L RF Warning: SC antenna change - expect signal level variation		
20	M1O	04-211/00:22:24.6	26	D/L RF Warning: SC antenna change - expect signal level variation		
21	M1O	04-211/00:22:25.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-211/00:00:39.1
22	M1O	04-211/00:22:35.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-211/00:00:49.1
23	M1O	04-211/00:22:44.5	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		
24	M1O	04-211/00:22:44.5	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
25	M1O	04-211/00:22:45.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-211/00:00:59.1
26	M1O	04-211/00:22:46.5		Deletes the designated file.: d:/seq/cm044.abs	FILE_DELETE	04-211/00:01:00.0
27	M1O	04-211/00:29:45.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-211/00:07:59.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
28	M1O	04-211/00:29:46.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-211/00:08:00.1
29	M1O	04-211/00:29:46.6	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		
30	M1O	04-211/00:29:46.6	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
31	M1O	04-211/00:29:47.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-211/00:08:01.1
32	M1O	04-211/00:48:54.1		NOTE: Descending Node Crossing 11631		04-211/00:27:07.6
33	M1O	04-211/01:18:15.4		NOTE: South Pole Crossing 11631		04-211/00:56:28.8
34	M1O	04-211/01:19:49.1		NOTE: Periapsis 11631 ----------		04-211/00:58:02.6
35	M1O	04-211/01:47:32.8		NOTE: Ascending Node Crossing 11631		04-211/01:25:46.2
36	M1O	04-211/02:16:26.7	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
37	M1O	04-211/02:17:26.6		NOTE: North Pole Crossing 11631		04-211/01:55:40.0
38	M1O	04-211/02:19:39.0		NOTE: Apoapsis 11631 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
65	M1O	04-211/04:18:16.2		NOTE: Apoapsis 11632 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
110	M1O	04-211/06:37:02.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-211/06:15:15.2
111	M1O	04-211/06:37:03.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-211/06:15:16.2
112	M1O	04-211/06:44:31.0		NOTE: Descending Node Crossing 11634		04-211/06:22:44.1
113	M1O	04-211/06:54:12.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-211/06:32:25.2
114	M1O	04-211/06:54:13.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-211/06:32:26.3
115	M1O	04-211/06:54:23.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-211/06:32:36.3
116	M1O	04-211/06:54:24.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-211/06:32:37.3
117	M1O	04-211/07:06:26.2	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
118	M1O	04-211/07:10:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
119	M1O	04-211/07:13:53.2		NOTE: South Pole Crossing 11634		04-211/06:52:06.4
120	M1O	04-211/07:15:19.8		NOTE: Periapsis 11634		04-211/06:53:32.9

121	M1O	04-211/07:20:00.0	43	Range Modulation Off		
122	M1O	04-211/07:21:46.8		SPAWN, Engine = 65535, Parameters =	scdiag	04-211/07:00:00.0
123	M1O	04-211/07:21:47.9		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-211/07:00:01.1
124	M1O	04-211/07:21:48.9		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-211/07:00:02.1
125	M1O	04-211/07:22:49.8		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-211/07:01:03.0
126	M1O	04-211/07:22:50.0		NOTE: Start Block fsw_diag		04-211/07:01:03.2
127	M1O	04-211/07:22:51.0		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-211/07:01:04.2
128	M1O	04-211/07:22:52.0		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-211/07:01:05.2
129	M1O	04-211/07:23:03.0		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-211/07:01:16.2
130	M1O	04-211/07:23:33.0		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-211/07:01:46.2
131	M1O	04-211/07:23:53.0		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-211/07:02:06.2
132	M1O	04-211/07:24:03.0		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-211/07:02:16.2
133	M1O	04-211/07:24:23.0		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-211/07:02:36.2
134	M1O	04-211/07:24:33.0		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-211/07:02:46.2
135	M1O	04-211/07:24:38.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-211/07:02:51.2
136	M1O	04-211/07:24:43.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-211/07:02:56.2
137	M1O	04-211/07:24:48.0		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-211/07:03:01.2
138	M1O	04-211/07:24:53.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-211/07:03:06.2
139	M1O	04-211/07:24:58.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-211/07:03:11.2
140	M1O	04-211/07:25:00.0	43	X-Band Transmitter Off		
141	M1O	04-211/07:25:38.0		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-211/07:03:51.2
142	M1O	04-211/07:25:43.0		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-211/07:03:56.2
143	M1O	04-211/07:25:48.0		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-211/07:04:01.2
144	M1O	04-211/07:25:53.0		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-211/07:04:06.2
145	M1O	04-211/07:25:58.0		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-211/07:04:11.2
146	M1O	04-211/07:25:59.0		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-211/07:04:12.2
147	M1O	04-211/07:26:00.0		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-211/07:04:13.2
148	M1O	04-211/07:26:01.0		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-211/07:04:14.2
149	M1O	04-211/07:26:12.0		NOTE: End Block fsw_diag.mod		04-211/07:04:25.2
150	M1O	04-211/07:26:55.8		SPAWN, Engine = 65535, Parameters = 211, 01, FALSE, 00:19:15, 254, TRUE, 256_KPS, 00:06:00, 00:00:00	uhf	04-211/07:05:09.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
151	M1O	04-211/07:26:56.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-211/07:05:10.1
152	M1O	04-211/07:26:58.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-211/07:05:12.1
153	M1O	04-211/07:27:42.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-211/07:05:55.4
154	M1O	04-211/07:27:42.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-211/07:05:55.6
155	M1O	04-211/07:27:43.5		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-211/07:05:56.7
156	M1O	04-211/07:27:44.8		CALL, Engine = , Parameters = 254	get_coding	04-211/07:05:58.0
157	M1O	04-211/07:27:46.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-211/07:05:59.2
158	M1O	04-211/07:27:47.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-211/07:06:00.4
159	M1O	04-211/07:28:52.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-211/07:07:05.2
160	M1O	04-211/07:28:53.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-211/07:07:06.2
161	M1O	04-211/07:28:54.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-211/07:07:07.2
162	M1O	04-211/07:28:55.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-211/07:07:08.2
163	M1O	04-211/07:28:56.0		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-211/07:07:09.2
164	M1O	04-211/07:28:57.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 256_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-211/07:07:10.2
165	M1O	04-211/07:28:58.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-211/07:07:11.2
166	M1O	04-211/07:28:59.0		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-211/07:07:12.2
167	M1O	04-211/07:29:00.0		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-211/07:07:13.2
168	M1O	04-211/07:30:00.0	63	Begin Tracking		
169	M1O	04-211/07:30:00.0	63	Acquire D/L: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
170	M1O	04-211/07:30:11.0	63	NOTE: Above Uplink Interlock Limit		
171	M1O	04-211/07:35:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
172	M1O	04-211/07:36:58.0	43	NOTE: Below Uplink Interlock Limit		
173	M1O	04-211/07:40:00.0	63	Range Modulation On: SUP=3.0dB		
174	M1O	04-211/07:41:00.0	63	Begin Ranging Acquisition		
175	M1O	04-211/07:43:12.0		NOTE: Ascending Node Crossing 11634		04-211/07:21:25.2
176	M1O	04-211/07:48:08.0		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-211/07:26:21.2
177	M1O	04-211/07:48:09.0		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-211/07:26:22.2
178	M1O	04-211/07:48:11.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-211/07:26:24.2
179	M1O	04-211/07:48:12.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-211/07:26:25.3
180	M1O	04-211/07:48:22.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-211/07:26:35.3
181	M1O	04-211/07:48:23.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-211/07:26:36.3
182	M1O	04-211/07:50:00.0	43	End Tracking		
183	M1O	04-211/08:05:00.0	43	End Post-Cal		
184	M1O	04-211/08:07:31.6		SPAWN, Engine = 65535, Parameters = 3, 00:16:00, 1	dpt	04-211/07:45:44.7
185	M1O	04-211/08:07:33.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-211/07:45:46.8
186	M1O	04-211/08:07:33.7	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		
187	M1O	04-211/08:07:34.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-211/07:45:47.8
188	M1O	04-211/08:08:33.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
189	M1O	04-211/08:13:08.0		NOTE: North Pole Crossing 11634		04-211/07:51:21.0
190	M1O	04-211/08:15:17.5		NOTE: Apoapsis 11634 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
193	M1O	04-211/08:23:33.7	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
194	M1O	04-211/08:23:34.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-211/08:01:47.8
195	M1O	04-211/08:32:38.9		SPAWN, Engine = 65535, Parameters = 211, 02, FALSE, 00:16:42, 253, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-211/08:10:52.0
196	M1O	04-211/08:32:40.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-211/08:10:53.1
197	M1O	04-211/08:32:42.0		CALL, Engine = , Parameters = 253	get_cmd_opt	04-211/08:10:55.1
198	M1O	04-211/08:33:25.3		CALL, Engine = , Parameters = 253	get_rcv_mode	04-211/08:11:38.4
199	M1O	04-211/08:33:25.5		CALL, Engine = , Parameters = 253	get_dl_rate	04-211/08:11:38.6
200	M1O	04-211/08:33:26.6		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-211/08:11:39.7
201	M1O	04-211/08:33:27.9		CALL, Engine = , Parameters = 253	get_coding	04-211/08:11:41.0
202	M1O	04-211/08:33:29.1		CALL, Engine = , Parameters = 253	get_xmt_mode	04-211/08:11:42.2
203	M1O	04-211/08:33:30.3		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-211/08:11:43.4
204	M1O	04-211/08:34:35.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-211/08:12:48.2
205	M1O	04-211/08:34:36.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-211/08:12:49.2
206	M1O	04-211/08:34:37.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-211/08:12:50.2
207	M1O	04-211/08:34:38.1		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-211/08:12:51.2
208	M1O	04-211/08:34:39.1		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-211/08:12:52.2
209	M1O	04-211/08:34:40.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-211/08:12:53.2
210	M1O	04-211/08:34:41.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-211/08:12:54.2
211	M1O	04-211/08:43:07.6		NOTE: Descending Node Crossing 11635		04-211/08:21:20.6
212	M1O	04-211/08:51:19.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-211/08:29:32.2
213	M1O	04-211/08:51:20.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-211/08:29:33.3
214	M1O	04-211/08:51:30.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-211/08:29:43.3
215	M1O	04-211/08:51:31.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-211/08:29:44.3
216	M1O	04-211/09:12:29.7		NOTE: South Pole Crossing 11635		04-211/08:50:42.8
217	M1O	04-211/09:13:53.0		NOTE: Periapsis 11635		04-211/08:52:06.0

218	M1O	04-211/09:24:41.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
219	M1O	04-211/09:34:41.0	63	Range Modulation Off		
220	M1O	04-211/09:39:41.0	63	X-Band Transmitter Off		
221	M1O	04-211/09:41:48.3		NOTE: Ascending Node Crossing 11635		04-211/09:20:01.3
222	M1O	04-211/10:11:43.7		NOTE: North Pole Crossing 11635		04-211/09:49:56.7
223	M1O	04-211/10:12:05.0		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, TRUE	cend	04-211/09:50:18.0
224	M1O	04-211/10:12:08.0		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-211/09:50:21.0
225	M1O	04-211/10:12:08.1		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-211/09:50:21.1
226	M1O	04-211/10:12:09.1		Forces a desaturation of the reaction wheels.	RW_DESAT	04-211/09:50:22.1
227	M1O	04-211/10:12:20.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-209T09:50:18.100, 2004-211T09:50:18.100	PCKTS_RE_TX_TIME	04-211/09:50:33.8
228	M1O	04-211/10:12:21.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-209T09:50:18.100, 2004-211T09:50:18.100	PCKTS_RE_TX_TIME	04-211/09:50:34.8
229	M1O	04-211/10:12:22.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-209T09:50:18.100, 2004-211T09:50:18.100	PCKTS_RE_TX_TIME	04-211/09:50:35.8
230	M1O	04-211/10:12:23.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-209T09:50:18.100, 2004-211T09:50:18.100	PCKTS_RE_TX_TIME	04-211/09:50:36.8
231	M1O	04-211/10:12:24.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-209T09:50:18.100, 2004-211T09:50:18.100	PCKTS_RE_TX_TIME	04-211/09:50:37.8
232	M1O	04-211/10:12:25.8		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	04-211/09:50:38.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 13, 2004-209T09:50:18.100, 2004-211T09:50:18.100		
233	M1O	04-211/10:12:25.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-211/09:50:38.8
234	M1O	04-211/10:12:25.8	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
235	M1O	04-211/10:13:38.1		NOTE: Apoapsis 11635 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
277	M1O	04-211/11:11:43.0		GV: GV_DESAT_ACTIVE = 0		04-211/10:49:56.0
278	M1O	04-211/11:11:44.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-211/10:49:57.0
279	M1O	04-211/11:11:45.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-211/10:49:58.0
280	M1O	04-211/11:11:46.0		CALL, Engine = , Parameters =	unpark_hga	04-211/10:49:59.0
281	M1O	04-211/11:11:46.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-211/10:49:59.0
282	M1O	04-211/11:11:47.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-211/10:50:00.0
283	M1O	04-211/11:12:28.3		NOTE: Periapsis 11636 ----------		04-211/10:50:41.2
284	M1O	04-211/11:16:17.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-211/10:54:30.0
285	M1O	04-211/11:16:18.0		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-211/10:54:31.0
286	M1O	04-211/11:19:32.8		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-211/10:57:45.7
287	M1O	04-211/11:19:32.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-211/10:57:45.8
288	M1O	04-211/11:19:33.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-211/10:57:46.8
289	M1O	04-211/11:19:34.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-211/10:57:47.8
290	M1O	04-211/11:19:35.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-211/10:57:48.8
291	M1O	04-211/11:19:36.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-211/10:57:49.8
292	M1O	04-211/11:19:46.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-211/10:57:59.8
293	M1O	04-211/11:19:56.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-211/10:58:09.8
294	M1O	04-211/11:19:59.0	63	Range Modulation Off		
295	M1O	04-211/11:20:18.0		NOTE: EXIT HGA PARK		
296	M1O	04-211/11:20:18.0	63	Acquisition Of X-Band Signal		
297	M1O	04-211/11:20:18.0	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
298	M1O	04-211/11:24:59.0	63	X-Band Transmitter Off		
299	M1O	04-211/11:25:00.0	55	Begin Tracking		
300	M1O	04-211/11:25:00.0	55	Acquire D/L: X/08, 3-Way/63, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
301	M1O	04-211/11:26:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
302	M1O	04-211/11:26:56.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-211/11:05:09.8
303	M1O	04-211/11:26:57.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-211/11:05:10.8
304	M1O	04-211/11:26:57.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
305	M1O	04-211/11:26:57.9	55	D/L Change: X/08, 3-Way/63, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
306	M1O	04-211/11:26:58.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-211/11:05:11.8
307	M1O	04-211/11:31:00.0	55	Range Modulation On: SUP=3.0dB		
308	M1O	04-211/11:32:00.0	55	Begin Ranging Acquisition		
309	M1O	04-211/11:40:23.6		NOTE: Ascending Node Crossing 11636		04-211/11:18:36.5
310	M1O	04-211/12:07:30.5		SPAWN, Engine = 65535, Parameters = 3, 00:07:01, 1	dpt	04-211/11:45:43.4
311	M1O	04-211/12:07:32.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-211/11:45:45.5
312	M1O	04-211/12:07:32.6	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
313	M1O	04-211/12:07:32.6	55	D/L Change: X/08, 3-Way/63, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
314	M1O	04-211/12:07:33.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-211/11:45:46.5
315	M1O	04-211/12:08:33.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
316	M1O	04-211/12:08:33.1	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
317	M1O	04-211/12:09:34.1	63	Acquire D/L: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
318	M1O	04-211/12:09:34.1	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
319	M1O	04-211/12:10:17.8		NOTE: North Pole Crossing 11636		04-211/11:48:30.7
320	M1O	04-211/12:12:10.9		NOTE: Apoapsis 11636 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
355	M1O	04-211/18:05:53.0		NOTE: North Pole Crossing 11639		04-211/17:44:05.6
356	M1O	04-211/18:07:24.7		NOTE: Apoapsis 11639 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
399	M1O	04-211/19:15:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-211/18:53:12.5
400	M1O	04-211/19:15:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-211/18:53:12.5
401	M1O	04-211/19:15:00.0	26	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
402	M1O	04-211/19:20:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-211/18:58:12.6
403	M1O	04-211/19:20:00.1	26	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
404	M1O	04-211/19:20:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-211/18:58:13.6
405	M1O	04-211/19:22:56.4		SPAWN, Engine = 65535, Parameters = 211, 03, FALSE, 00:18:52, 253, TRUE, 128_KPS, 00:06:00, 00:00:00	uhf	04-211/19:01:09.0
406	M1O	04-211/19:22:57.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-211/19:01:10.1
407	M1O	04-211/19:22:59.5		CALL, Engine = , Parameters = 253	get_cmd_opt	04-211/19:01:12.1
408	M1O	04-211/19:23:42.8		CALL, Engine = , Parameters = 253	get_rcv_mode	04-211/19:01:55.4
409	M1O	04-211/19:23:43.0		CALL, Engine = , Parameters = 253	get_dl_rate	04-211/19:01:55.6
410	M1O	04-211/19:23:44.1		CALL, Engine = , Parameters = 253, TRUE	get_modulatn	04-211/19:01:56.7
411	M1O	04-211/19:23:45.4		CALL, Engine = , Parameters = 253	get_coding	04-211/19:01:58.0
412	M1O	04-211/19:23:46.6		CALL, Engine = , Parameters = 253	get_xmt_mode	04-211/19:01:59.2
413	M1O	04-211/19:23:47.8		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-211/19:02:00.4
414	M1O	04-211/19:24:52.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-211/19:03:05.2
415	M1O	04-211/19:24:53.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-211/19:03:06.2
416	M1O	04-211/19:24:54.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-211/19:03:07.2
417	M1O	04-211/19:24:55.6		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-211/19:03:08.2
418	M1O	04-211/19:24:56.6		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-211/19:03:09.2
419	M1O	04-211/19:24:57.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-211/19:03:10.2
420	M1O	04-211/19:24:58.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-211/19:03:11.2
421	M1O	04-211/19:24:59.6		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-211/19:03:12.2
422	M1O	04-211/19:25:00.6		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-211/19:03:13.2
423	M1O	04-211/19:30:00.0	63	End Post-Cal		
424	M1O	04-211/19:34:33.5		NOTE: Ascending Node Crossing 11640		04-211/19:12:46.0
425	M1O	04-211/19:43:45.6		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-211/19:21:58.2
426	M1O	04-211/19:43:46.6		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-211/19:21:59.2
427	M1O	04-211/19:43:48.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-211/19:22:01.2
428	M1O	04-211/19:43:49.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-211/19:22:02.3
429	M1O	04-211/19:43:59.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-211/19:22:12.3
430	M1O	04-211/19:44:00.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-211/19:22:13.3
431	M1O	04-211/20:04:28.6		NOTE: North Pole Crossing 11640		04-211/19:42:41.1
432	M1O	04-211/20:06:26.9		NOTE: Apoapsis 11640 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
439	M1O	04-211/20:28:33.5		CALL, Engine = , Parameters = 254	get_coding	04-211/20:06:46.0
440	M1O	04-211/20:28:34.7		CALL, Engine = , Parameters = 254	get_xmt_mode	04-211/20:06:47.2
441	M1O	04-211/20:28:35.9		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-211/20:06:48.4
442	M1O	04-211/20:29:40.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-211/20:07:53.2
443	M1O	04-211/20:29:41.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-211/20:07:54.2
444	M1O	04-211/20:29:42.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-211/20:07:55.2
445	M1O	04-211/20:29:43.7		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-211/20:07:56.2
446	M1O	04-211/20:29:44.7		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-211/20:07:57.2
447	M1O	04-211/20:29:45.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-211/20:07:58.2
448	M1O	04-211/20:29:46.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-211/20:07:59.2
449	M1O	04-211/20:34:27.1		NOTE: Descending Node Crossing 11641		04-211/20:12:39.6
450	M1O	04-211/20:47:50.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-211/20:26:03.2
451	M1O	04-211/20:47:51.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-211/20:26:04.3
452	M1O	04-211/20:48:01.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-211/20:26:14.3
453	M1O	04-211/20:48:02.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-211/20:26:15.3
454	M1O	04-211/21:03:50.4		NOTE: South Pole Crossing 11641		04-211/20:42:02.8
455	M1O	04-211/21:05:00.0	43	Begin Pre-Cal		
456	M1O	04-211/21:05:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
457	M1O	04-211/21:05:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
458	M1O	04-211/21:05:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
459	M1O	04-211/21:05:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
460	M1O	04-211/21:05:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
461	M1O	04-211/21:05:00.0	43	Config: RCV: Parms:		
462	M1O	04-211/21:05:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
463	M1O	04-211/21:05:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
464	M1O	04-211/21:05:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
465	M1O	04-211/21:05:27.7		NOTE: Periapsis 11641 ----------		04-211/20:43:40.1
466	M1O	04-211/21:33:10.0		NOTE: Ascending Node Crossing 11641		04-211/21:11:22.4
467	M1O	04-211/22:03:04.7		NOTE: North Pole Crossing 11641		04-211/21:41:17.1
468	M1O	04-211/22:05:36.5		NOTE: Apoapsis 11641 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
483	M1O	04-211/22:55:00.3	26	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
484	M1O	04-211/22:55:01.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-211/22:33:13.6
485	M1O	04-211/23:02:26.2		NOTE: South Pole Crossing 11642		04-211/22:40:38.5
486	M1O	04-211/23:04:19.0		NOTE: Periapsis 11642 ----------		04-211/22:42:31.3
487	M1O	04-211/23:10:00.0	26	End Tracking		
488	M1O	04-211/23:10:00.0	26	End Post-Cal		
489	M1O	04-211/23:31:44.7		NOTE: Ascending Node Crossing 11642		04-211/23:09:57.0
490	M1O	04-212/00:00:00.0		Light Time: OWLT = 21:47, RTLT = 43:35		
491	M1O	04-212/00:01:39.4		NOTE: North Pole Crossing 11642		04-211/23:39:51.7
492	M1O	04-212/00:04:13.5		NOTE: Apoapsis 11642 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
526	M1O	04-212/04:50:00.0	65	Config: TXL		
527	M1O	04-212/04:50:00.0	65	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
528	M1O	04-212/04:50:00.0	65	Config: CMD		
529	M1O	04-212/04:50:00.0	65	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
530	M1O	04-212/04:58:01.1		NOTE: South Pole Crossing 11645		04-212/04:36:13.1
531	M1O	04-212/04:59:18.5		NOTE: Periapsis 11645		04-212/04:37:30.6

532	M1O	04-212/05:27:19.8		NOTE: Ascending Node Crossing 11645		04-212/05:05:31.8
533	M1O	04-212/05:57:14.8		NOTE: North Pole Crossing 11645		04-212/05:35:26.8
534	M1O	04-212/05:59:34.0		NOTE: Apoapsis 11645 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]		
567	M1O	04-212/07:23:34.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-212/07:01:46.2
568	M1O	04-212/07:23:54.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-212/07:02:06.2
569	M1O	04-212/07:24:04.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-212/07:02:16.2
570	M1O	04-212/07:24:24.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-212/07:02:36.2
571	M1O	04-212/07:24:34.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-212/07:02:46.2
572	M1O	04-212/07:24:39.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-212/07:02:51.2
573	M1O	04-212/07:24:44.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-212/07:02:56.2
574	M1O	04-212/07:24:49.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-212/07:03:01.2
575	M1O	04-212/07:24:54.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-212/07:03:06.2
576	M1O	04-212/07:24:59.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-212/07:03:11.2
577	M1O	04-212/07:25:00.0	43	X-Band Transmitter Off		
578	M1O	04-212/07:25:39.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-212/07:03:51.2
579	M1O	04-212/07:25:44.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-212/07:03:56.2
580	M1O	04-212/07:25:49.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-212/07:04:01.2
581	M1O	04-212/07:25:54.2		NOTE: Ascending Node Crossing 11646		04-212/07:04:06.1
582	M1O	04-212/07:25:54.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-212/07:04:06.2
583	M1O	04-212/07:25:59.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-212/07:04:11.2
584	M1O	04-212/07:26:00.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-212/07:04:12.2
585	M1O	04-212/07:26:01.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-212/07:04:13.2
586	M1O	04-212/07:26:02.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-212/07:04:14.2
587	M1O	04-212/07:26:13.2		NOTE: End Block fsw_diag.mod		04-212/07:04:25.2
588	M1O	04-212/07:28:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-212/07:07:09.9
589	M1O	04-212/07:29:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-212/07:07:12.0
590	M1O	04-212/07:29:00.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
591	M1O	04-212/07:29:00.1	65	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
592	M1O	04-212/07:29:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-212/07:07:13.0
593	M1O	04-212/07:29:58.0	65	NOTE: Above Uplink Interlock Limit		
594	M1O	04-212/07:30:00.0	65	Acquire U/L: X/08, PWR=20.0, BR=125.0		
595	M1O	04-212/07:30:00.0	43	End Tracking		
596	M1O	04-212/07:30:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-212/07:08:11.9
597	M1O	04-212/07:30:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-212/07:08:11.9
598	M1O	04-212/07:30:00.0	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		
599	M1O	04-212/07:30:05.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-212/07:08:17.2
600	M1O	04-212/07:30:06.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-212/07:08:18.3
601	M1O	04-212/07:30:16.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-212/07:08:28.3
602	M1O	04-212/07:30:17.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-212/07:08:29.3
603	M1O	04-212/07:35:00.0	65	Range Modulation On: SUP=3.0dB		
604	M1O	04-212/07:35:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-212/07:13:12.0
605	M1O	04-212/07:35:00.1	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		
606	M1O	04-212/07:35:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-212/07:13:13.0
607	M1O	04-212/07:36:00.0	65	Begin Ranging Acquisition		
608	M1O	04-212/07:45:00.0	43	End Post-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
609	M1O	04-212/07:55:50.3		NOTE: North Pole Crossing 11646		04-212/07:34:02.2
610	M1O	04-212/07:58:03.7		NOTE: Apoapsis 11646 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
648	M1O	04-212/09:08:43.1		SPAWN, Engine = 65535, Parameters = 212, 02, FALSE, 00:16:45, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-212/08:46:55.0
649	M1O	04-212/09:08:44.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-212/08:46:56.1
650	M1O	04-212/09:08:46.2		CALL, Engine = , Parameters = 254	get_cmd_opt	04-212/08:46:58.1
651	M1O	04-212/09:09:29.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-212/08:47:41.4
652	M1O	04-212/09:09:29.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-212/08:47:41.6
653	M1O	04-212/09:09:30.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-212/08:47:42.7
654	M1O	04-212/09:09:32.1		CALL, Engine = , Parameters = 254	get_coding	04-212/08:47:44.0
655	M1O	04-212/09:09:33.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-212/08:47:45.2
656	M1O	04-212/09:09:34.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-212/08:47:46.4
657	M1O	04-212/09:10:39.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-212/08:48:51.2
658	M1O	04-212/09:10:40.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-212/08:48:52.2
659	M1O	04-212/09:10:41.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-212/08:48:53.2
660	M1O	04-212/09:10:42.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-212/08:48:54.2
661	M1O	04-212/09:10:43.3		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-212/08:48:55.2
662	M1O	04-212/09:10:44.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-212/08:48:56.2
663	M1O	04-212/09:10:45.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-212/08:48:57.2
664	M1O	04-212/09:16:22.0	65	Range Modulation Off		
665	M1O	04-212/09:21:22.0	65	X-Band Transmitter Off		
666	M1O	04-212/09:21:23.5	65	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
667	M1O	04-212/09:24:30.3		NOTE: Ascending Node Crossing 11647		04-212/09:02:42.1
668	M1O	04-212/09:27:26.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-212/09:05:38.2
669	M1O	04-212/09:27:27.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-212/09:05:39.3
670	M1O	04-212/09:27:37.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-212/09:05:49.3
671	M1O	04-212/09:27:38.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-212/09:05:50.3
672	M1O	04-212/09:53:48.2		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	04-212/09:32:00.0
673	M1O	04-212/09:54:04.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-210T09:32:00.100, 2004-212T09:32:00.100	PCKTS_RE_TX_TIME	04-212/09:32:15.8
674	M1O	04-212/09:54:05.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-210T09:32:00.100, 2004-212T09:32:00.100	PCKTS_RE_TX_TIME	04-212/09:32:16.8
675	M1O	04-212/09:54:06.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-210T09:32:00.100, 2004-212T09:32:00.100	PCKTS_RE_TX_TIME	04-212/09:32:17.8
676	M1O	04-212/09:54:07.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-210T09:32:00.100, 2004-212T09:32:00.100	PCKTS_RE_TX_TIME	04-212/09:32:18.8
677	M1O	04-212/09:54:08.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-210T09:32:00.100, 2004-212T09:32:00.100	PCKTS_RE_TX_TIME	04-212/09:32:19.8
678	M1O	04-212/09:54:09.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-210T09:32:00.100, 2004-212T09:32:00.100	PCKTS_RE_TX_TIME	04-212/09:32:20.8
679	M1O	04-212/09:54:09.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-212/09:32:20.8
680	M1O	04-212/09:54:09.0	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
681	M1O	04-212/09:54:26.5		NOTE: North Pole Crossing 11647		04-212/09:32:38.2
682	M1O	04-212/09:54:51.2		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-212/09:33:03.0
683	M1O	04-212/09:54:51.3		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-212/09:33:03.1
684	M1O	04-212/09:54:52.3		Forces a desaturation of the reaction wheels.	RW_DESAT	04-212/09:33:04.1
685	M1O	04-212/09:56:27.0		NOTE: Apoapsis 11647 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
687	M1O	04-212/10:04:10.0	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
688	M1O	04-212/10:04:11.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-212/09:42:22.8
689	M1O	04-212/10:04:27.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-212/09:42:38.8
690	M1O	04-212/10:04:27.0	65	D/L RF Warning: SC antenna change - expect signal level variation		
691	M1O	04-212/10:04:28.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-212/09:42:39.8
692	M1O	04-212/10:04:58.3	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
693	M1O	04-212/10:05:00.0	65	End Tracking		
694	M1O	04-212/10:05:00.0	65	End Post-Cal		
695	M1O	04-212/10:06:22.3		CALL, Engine = , Parameters = FALSE	park_hga	04-212/09:44:34.1
696	M1O	04-212/10:06:22.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-212/09:44:34.1
697	M1O	04-212/10:06:23.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-212/09:44:35.1
698	M1O	04-212/10:06:24.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-212/09:44:36.1
699	M1O	04-212/10:06:24.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-212/09:44:36.1
700	M1O	04-212/10:06:24.3		NOTE: START HGA PARK		
701	M1O	04-212/10:06:25.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-212/09:44:37.1
702	M1O	04-212/10:06:26.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-212/09:44:38.1
703	M1O	04-212/10:10:56.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-212/09:49:08.1
704	M1O	04-212/10:14:26.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-212/09:52:38.1
705	M1O	04-212/10:14:26.3		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-212/09:52:38.1
706	M1O	04-212/10:24:26.2		NOTE: Descending Node Crossing 11648		04-212/10:02:38.0
707	M1O	04-212/10:44:26.2		GV: GV_DESAT_ACTIVE = 1		04-212/10:22:38.0
708	M1O	04-212/10:44:27.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-212/10:22:39.0
709	M1O	04-212/10:44:27.2		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-212/10:22:39.0
710	M1O	04-212/10:53:48.2		NOTE: South Pole Crossing 11648		04-212/10:32:00.0
711	M1O	04-212/10:54:26.2		GV: GV_DESAT_ACTIVE = 0		04-212/10:32:38.0
712	M1O	04-212/10:54:27.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-212/10:32:39.0
713	M1O	04-212/10:54:28.2		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-212/10:32:40.0
714	M1O	04-212/10:54:29.2		CALL, Engine = , Parameters =	unpark_hga	04-212/10:32:41.0
715	M1O	04-212/10:54:29.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-212/10:32:41.0
716	M1O	04-212/10:54:30.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-212/10:32:42.0
717	M1O	04-212/10:55:10.4		NOTE: Periapsis 11648 ----------		04-212/10:33:22.2
718	M1O	04-212/10:59:00.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-212/10:37:12.0
719	M1O	04-212/10:59:01.2		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-212/10:37:13.0
720	M1O	04-212/11:03:01.2		NOTE: EXIT HGA PARK		
721	M1O	04-212/11:23:06.5		NOTE: Ascending Node Crossing 11648		04-212/11:01:18.3
722	M1O	04-212/11:53:01.7		NOTE: North Pole Crossing 11648		04-212/11:31:13.4
723	M1O	04-212/11:54:50.9		NOTE: Apoapsis 11648 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
728	M1O	04-212/13:25:00.0	26	Begin Pre-Cal		
729	M1O	04-212/13:25:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
730	M1O	04-212/13:25:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
731	M1O	04-212/13:25:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
732	M1O	04-212/13:25:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
733	M1O	04-212/13:25:00.0	26	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
734	M1O	04-212/13:25:00.0	26	Config: RCV: Parms:		
735	M1O	04-212/13:25:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
736	M1O	04-212/13:25:00.0	26	Config: TGC: BAND=X, SR=85320.000000		
737	M1O	04-212/13:25:00.0	26	Config: TXL		
738	M1O	04-212/13:25:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
739	M1O	04-212/13:25:00.0	26	Config: CMD		
740	M1O	04-212/13:25:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
741	M1O	04-212/13:51:34.5		NOTE: North Pole Crossing 11649		04-212/13:29:46.1
742	M1O	04-212/13:53:36.9		NOTE: Apoapsis 11649 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
772	M1O	04-212/15:58:36.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-212/15:36:48.3
773	M1O	04-212/15:58:36.8	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
774	M1O	04-212/15:58:37.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-212/15:36:49.3
775	M1O	04-212/16:20:02.9		NOTE: Descending Node Crossing 11651		04-212/15:58:14.3
776	M1O	04-212/16:49:23.5		NOTE: South Pole Crossing 11651		04-212/16:27:35.0
777	M1O	04-212/16:50:28.7		NOTE: Periapsis 11651 ----------		04-212/16:28:40.1
778	M1O	04-212/17:18:41.4		NOTE: Ascending Node Crossing 11651		04-212/16:56:52.8
779	M1O	04-212/17:48:36.9		NOTE: North Pole Crossing 11651		04-212/17:26:48.3
780	M1O	04-212/17:50:17.3		NOTE: Apoapsis 11651 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
812	M1O	04-212/20:46:33.6		NOTE: South Pole Crossing 11653		04-212/20:24:44.9
813	M1O	04-212/20:48:02.5		NOTE: Periapsis 11653		04-212/20:26:13.8

814	M1O	04-212/21:00:00.0	43	Begin Pre-Cal		
815	M1O	04-212/21:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
816	M1O	04-212/21:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
817	M1O	04-212/21:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
818	M1O	04-212/21:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
819	M1O	04-212/21:00:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
820	M1O	04-212/21:00:00.0	43	Config: RCV: Parms:		
821	M1O	04-212/21:00:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
822	M1O	04-212/21:00:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
823	M1O	04-212/21:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
824	M1O	04-212/21:03:46.7		SPAWN, Engine = 65535, Parameters = 212, 03, FALSE, 00:18:35, 253, TRUE, 128_KPS, 00:06:00, 00:00:00	uhf	04-212/20:41:58.0
825	M1O	04-212/21:03:47.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-212/20:41:59.1
826	M1O	04-212/21:03:49.8		CALL, Engine = , Parameters = 253	get_cmd_opt	04-212/20:42:01.1
827	M1O	04-212/21:04:33.1		CALL, Engine = , Parameters = 253	get_rcv_mode	04-212/20:42:44.4
828	M1O	04-212/21:04:33.3		CALL, Engine = , Parameters = 253	get_dl_rate	04-212/20:42:44.6
829	M1O	04-212/21:04:34.4		CALL, Engine = , Parameters = 253, TRUE	get_modulatn	04-212/20:42:45.7
830	M1O	04-212/21:04:35.7		CALL, Engine = , Parameters = 253	get_coding	04-212/20:42:47.0
831	M1O	04-212/21:04:36.9		CALL, Engine = , Parameters = 253	get_xmt_mode	04-212/20:42:48.2
832	M1O	04-212/21:04:38.1		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-212/20:42:49.4
833	M1O	04-212/21:05:42.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-212/20:43:54.2
834	M1O	04-212/21:05:43.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-212/20:43:55.2
835	M1O	04-212/21:05:44.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-212/20:43:56.2
836	M1O	04-212/21:05:45.9		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-212/20:43:57.2
837	M1O	04-212/21:05:46.9		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-212/20:43:58.2
838	M1O	04-212/21:05:47.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-212/20:43:59.2
839	M1O	04-212/21:05:48.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-212/20:44:00.2
840	M1O	04-212/21:05:49.9		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-212/20:44:01.2
841	M1O	04-212/21:05:50.9		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-212/20:44:02.2
842	M1O	04-212/21:15:53.1		NOTE: Ascending Node Crossing 11653		04-212/20:54:04.3
843	M1O	04-212/21:24:18.9		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-212/21:02:30.2
844	M1O	04-212/21:24:19.9		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-212/21:02:31.2
845	M1O	04-212/21:24:21.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-212/21:02:33.2
846	M1O	04-212/21:24:23.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-212/21:02:34.3
847	M1O	04-212/21:24:33.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-212/21:02:44.3
848	M1O	04-212/21:24:34.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-212/21:02:45.3
849	M1O	04-212/21:45:48.0		NOTE: North Pole Crossing 11653		04-212/21:23:59.2
850	M1O	04-212/21:48:13.7		NOTE: Apoapsis 11653 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
855	M1O	04-212/22:44:01.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-212/22:22:12.4
856	M1O	04-212/22:45:00.0	43	Begin Tracking		
857	M1O	04-212/22:45:00.0	43	Acquire D/L: X/08, 3-Way/26, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
858	M1O	04-212/22:45:00.2		NOTE: Changing to 70M downlink rate: 39816_BPS		04-212/22:23:11.3
859	M1O	04-212/22:45:00.2		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-212/22:23:11.3
860	M1O	04-212/22:45:00.2	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		
861	M1O	04-212/22:45:00.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
862	M1O	04-212/22:45:10.1		NOTE: South Pole Crossing 11654		04-212/22:23:21.2
863	M1O	04-212/22:47:03.0		NOTE: Periapsis 11654		04-212/22:25:14.2

864	M1O	04-212/22:49:56.0	43	NOTE: Above Uplink Interlock Limit		
865	M1O	04-212/22:50:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-212/22:28:11.4
866	M1O	04-212/22:50:00.3	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		
867	M1O	04-212/22:50:00.3	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
868	M1O	04-212/22:50:01.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-212/22:28:12.4
869	M1O	04-212/23:14:28.9		NOTE: Ascending Node Crossing 11654		04-212/22:52:40.1
870	M1O	04-212/23:44:23.7		NOTE: North Pole Crossing 11654		04-212/23:22:34.8
871	M1O	04-212/23:47:07.4		NOTE: Apoapsis 11654 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
894	M1O	04-213/03:18:38.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
895	M1O	04-213/03:23:38.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-213/03:01:48.9
896	M1O	04-213/03:23:38.0	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
897	M1O	04-213/03:23:39.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-213/03:01:49.9
898	M1O	04-213/03:41:28.0		NOTE: North Pole Crossing 11656		04-213/03:19:38.9
899	M1O	04-213/03:43:43.1		NOTE: Apoapsis 11656 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
938	M1O	04-213/07:21:50.3		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-213/07:00:01.1
939	M1O	04-213/07:21:51.3		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-213/07:00:02.1
940	M1O	04-213/07:22:52.2		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-213/07:01:03.0
941	M1O	04-213/07:22:52.4		NOTE: Start Block fsw_diag		04-213/07:01:03.2
942	M1O	04-213/07:22:53.4		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-213/07:01:04.2
943	M1O	04-213/07:22:54.4		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	04-213/07:01:05.2
944	M1O	04-213/07:23:05.4		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	04-213/07:01:16.2
945	M1O	04-213/07:23:35.4		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-213/07:01:46.2
946	M1O	04-213/07:23:55.4		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-213/07:02:06.2
947	M1O	04-213/07:24:05.4		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-213/07:02:16.2
948	M1O	04-213/07:24:25.4		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-213/07:02:36.2
949	M1O	04-213/07:24:35.4		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-213/07:02:46.2
950	M1O	04-213/07:24:40.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-213/07:02:51.2
951	M1O	04-213/07:24:45.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-213/07:02:56.2
952	M1O	04-213/07:24:50.4		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-213/07:03:01.2
953	M1O	04-213/07:24:55.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-213/07:03:06.2
954	M1O	04-213/07:25:00.0	63	Begin Tracking		
955	M1O	04-213/07:25:00.0	63	Acquire D/L: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
956	M1O	04-213/07:25:00.0	43	X-Band Transmitter Off		
957	M1O	04-213/07:25:00.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-213/07:03:11.2
958	M1O	04-213/07:25:40.4		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-213/07:03:51.2
959	M1O	04-213/07:25:45.4		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-213/07:03:56.2
960	M1O	04-213/07:25:50.4		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-213/07:04:01.2
961	M1O	04-213/07:25:55.4		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-213/07:04:06.2
962	M1O	04-213/07:26:00.4		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-213/07:04:11.2
963	M1O	04-213/07:26:01.4		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-213/07:04:12.2
964	M1O	04-213/07:26:02.4		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-213/07:04:13.2
965	M1O	04-213/07:26:03.4		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-213/07:04:14.2
966	M1O	04-213/07:26:14.4		NOTE: End Block fsw_diag.mod		04-213/07:04:25.2
967	M1O	04-213/07:28:39.0	63	NOTE: Above Uplink Interlock Limit		
968	M1O	04-213/07:30:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
969	M1O	04-213/07:35:00.0	63	Range Modulation On: SUP=3.0dB		
970	M1O	04-213/07:35:32.0	43	NOTE: Below Uplink Interlock Limit		
971	M1O	04-213/07:36:00.0	63	Begin Ranging Acquisition		
972	M1O	04-213/07:38:33.6		NOTE: North Pole Crossing 11658		04-213/07:16:44.3
973	M1O	04-213/07:40:53.1		NOTE: Apoapsis 11658 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
981	M1O	04-213/07:59:36.3		CALL, Engine = , Parameters = 253	get_coding	04-213/07:37:47.0
982	M1O	04-213/07:59:37.5		CALL, Engine = , Parameters = 253	get_xmt_mode	04-213/07:37:48.2
983	M1O	04-213/07:59:38.7		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-213/07:37:49.4
984	M1O	04-213/08:00:00.0	43	End Post-Cal		
985	M1O	04-213/08:00:43.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-213/07:38:54.2
986	M1O	04-213/08:00:44.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-213/07:38:55.2
987	M1O	04-213/08:00:45.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-213/07:38:56.2
988	M1O	04-213/08:00:46.5		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-213/07:38:57.2
989	M1O	04-213/08:00:47.5		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-213/07:38:58.2
990	M1O	04-213/08:00:48.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-213/07:38:59.2
991	M1O	04-213/08:00:49.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-213/07:39:00.2
992	M1O	04-213/08:07:36.4		SPAWN, Engine = 65535, Parameters = 3, 00:11:00, 1	dpt	04-213/07:45:47.1
993	M1O	04-213/08:07:38.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-213/07:45:49.2
994	M1O	04-213/08:07:38.5	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		
995	M1O	04-213/08:07:39.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-213/07:45:50.2
996	M1O	04-213/08:08:32.9		NOTE: Descending Node Crossing 11659		04-213/07:46:43.6
997	M1O	04-213/08:08:38.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
998	M1O	04-213/08:13:38.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
999	M1O	04-213/08:18:22.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-213/07:56:33.2
1000	M1O	04-213/08:18:23.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-213/07:56:34.3
1001	M1O	04-213/08:18:33.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-213/07:56:44.3
1002	M1O	04-213/08:18:34.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-213/07:56:45.3
1003	M1O	04-213/08:18:38.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-213/07:56:49.2
1004	M1O	04-213/08:18:38.6	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1005	M1O	04-213/08:18:39.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-213/07:56:50.2
1006	M1O	04-213/08:37:54.9		NOTE: South Pole Crossing 11659		04-213/08:16:05.6
1007	M1O	04-213/08:39:23.2		NOTE: Periapsis 11659		04-213/08:17:33.8

1008	M1O	04-213/08:50:04.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
1009	M1O	04-213/08:50:53.3		SPAWN, Engine = 65535, Parameters = 213, 01, FALSE, 00:19:14, 254, TRUE, 256_KPS, 00:06:00, 00:00:00	uhf	04-213/08:29:04.0
1010	M1O	04-213/08:50:54.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-213/08:29:05.1
1011	M1O	04-213/08:50:56.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-213/08:29:07.1
1012	M1O	04-213/08:51:39.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-213/08:29:50.4
1013	M1O	04-213/08:51:39.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-213/08:29:50.6
1014	M1O	04-213/08:51:41.0		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-213/08:29:51.7
1015	M1O	04-213/08:51:42.3		CALL, Engine = , Parameters = 254	get_coding	04-213/08:29:53.0
1016	M1O	04-213/08:51:43.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-213/08:29:54.2
1017	M1O	04-213/08:51:44.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-213/08:29:55.4
1018	M1O	04-213/08:52:49.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-213/08:31:00.2
1019	M1O	04-213/08:52:50.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-213/08:31:01.2
1020	M1O	04-213/08:52:51.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-213/08:31:02.2
1021	M1O	04-213/08:52:52.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-213/08:31:03.2
1022	M1O	04-213/08:52:53.5		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-213/08:31:04.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1023	M1O	04-213/08:52:54.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 256_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-213/08:31:05.2
1024	M1O	04-213/08:52:55.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-213/08:31:06.2
1025	M1O	04-213/08:52:56.5		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-213/08:31:07.2
1026	M1O	04-213/08:52:57.5		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-213/08:31:08.2
1027	M1O	04-213/09:00:04.0	63	Range Modulation Off		
1028	M1O	04-213/09:05:04.0	63	X-Band Transmitter Off		
1029	M1O	04-213/09:07:13.4		NOTE: Ascending Node Crossing 11659		04-213/08:45:24.0
1030	M1O	04-213/09:12:04.5		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-213/08:50:15.2
1031	M1O	04-213/09:12:05.5		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-213/08:50:16.2
1032	M1O	04-213/09:12:07.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-213/08:50:18.2
1033	M1O	04-213/09:12:08.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-213/08:50:19.3
1034	M1O	04-213/09:12:18.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-213/08:50:29.3
1035	M1O	04-213/09:12:19.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-213/08:50:30.3
1036	M1O	04-213/09:37:09.5		NOTE: North Pole Crossing 11659		04-213/09:15:20.1
1037	M1O	04-213/09:37:32.3		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	04-213/09:15:43.0
1038	M1O	04-213/09:37:33.3		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-213/09:15:44.0
1039	M1O	04-213/09:37:33.4		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-213/09:15:44.1
1040	M1O	04-213/09:37:34.4		Forces a desaturation of the reaction wheels.	RW_DESAT	04-213/09:15:45.1
1041	M1O	04-213/09:37:48.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-211T09:15:43.100, 2004-213T09:15:43.100	PCKTS_RE_TX_TIME	04-213/09:15:58.8
1042	M1O	04-213/09:37:49.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-211T09:15:43.100, 2004-213T09:15:43.100	PCKTS_RE_TX_TIME	04-213/09:15:59.8
1043	M1O	04-213/09:37:50.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-211T09:15:43.100, 2004-213T09:15:43.100	PCKTS_RE_TX_TIME	04-213/09:16:00.8
1044	M1O	04-213/09:37:51.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-211T09:15:43.100, 2004-213T09:15:43.100	PCKTS_RE_TX_TIME	04-213/09:16:01.8
1045	M1O	04-213/09:37:52.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-211T09:15:43.100, 2004-213T09:15:43.100	PCKTS_RE_TX_TIME	04-213/09:16:02.8
1046	M1O	04-213/09:37:53.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-211T09:15:43.100, 2004-213T09:15:43.100	PCKTS_RE_TX_TIME	04-213/09:16:03.8
1047	M1O	04-213/09:37:53.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-213/09:16:03.8
1048	M1O	04-213/09:37:53.1	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1049	M1O	04-213/09:39:20.2		NOTE: Apoapsis 11659 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1060	M1O	04-213/09:49:06.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-213/09:27:17.1
1061	M1O	04-213/09:49:06.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-213/09:27:17.1
1062	M1O	04-213/09:49:06.5		NOTE: START HGA PARK		
1063	M1O	04-213/09:49:06.5	63	NOTE: Loss Of X-Band Signal		
1064	M1O	04-213/09:49:07.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-213/09:27:18.1
1065	M1O	04-213/09:49:08.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-213/09:27:19.1
1066	M1O	04-213/09:53:38.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-213/09:31:49.1
1067	M1O	04-213/09:56:53.4		SPAWN, Engine = 65535, Parameters = 213, 02, FALSE, 00:16:11, 253, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-213/09:35:04.0
1068	M1O	04-213/09:56:54.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-213/09:35:05.1
1069	M1O	04-213/09:56:56.5		CALL, Engine = , Parameters = 253	get_cmd_opt	04-213/09:35:07.1
1070	M1O	04-213/09:57:08.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-213/09:35:19.1
1071	M1O	04-213/09:57:08.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-213/09:35:19.1
1072	M1O	04-213/09:57:39.8		CALL, Engine = , Parameters = 253	get_rcv_mode	04-213/09:35:50.4
1073	M1O	04-213/09:57:40.0		CALL, Engine = , Parameters = 253	get_dl_rate	04-213/09:35:50.6
1074	M1O	04-213/09:57:41.1		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-213/09:35:51.7
1075	M1O	04-213/09:57:42.4		CALL, Engine = , Parameters = 253	get_coding	04-213/09:35:53.0
1076	M1O	04-213/09:57:43.6		CALL, Engine = , Parameters = 253	get_xmt_mode	04-213/09:35:54.2
1077	M1O	04-213/09:57:44.8		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-213/09:35:55.4
1078	M1O	04-213/09:58:49.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-213/09:37:00.2
1079	M1O	04-213/09:58:50.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-213/09:37:01.2
1080	M1O	04-213/09:58:51.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-213/09:37:02.2
1081	M1O	04-213/09:58:52.6		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-213/09:37:03.2
1082	M1O	04-213/09:58:53.6		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-213/09:37:04.2
1083	M1O	04-213/09:58:54.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-213/09:37:05.2
1084	M1O	04-213/09:58:55.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-213/09:37:06.2
1085	M1O	04-213/10:01:47.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1086	M1O	04-213/10:06:47.0	63	Range Modulation On: SUP=3.0dB		
1087	M1O	04-213/10:07:09.4		NOTE: Descending Node Crossing 11660		04-213/09:45:20.0
1088	M1O	04-213/10:07:47.0	63	Begin Ranging Acquisition		
1089	M1O	04-213/10:15:02.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-213/09:53:13.2
1090	M1O	04-213/10:15:03.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-213/09:53:14.3
1091	M1O	04-213/10:15:13.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-213/09:53:24.3
1092	M1O	04-213/10:15:14.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-213/09:53:25.3
1093	M1O	04-213/10:27:08.4		GV: GV_DESAT_ACTIVE = 1		04-213/10:05:19.0
1094	M1O	04-213/10:27:09.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-213/10:05:20.0
1095	M1O	04-213/10:27:09.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-213/10:05:20.0
1096	M1O	04-213/10:36:31.4		NOTE: South Pole Crossing 11660		04-213/10:14:41.9
1097	M1O	04-213/10:37:08.4		GV: GV_DESAT_ACTIVE = 0		04-213/10:15:19.0
1098	M1O	04-213/10:37:09.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-213/10:15:20.0
1099	M1O	04-213/10:37:10.4		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-213/10:15:21.0
1100	M1O	04-213/10:37:11.4		CALL, Engine = , Parameters =	unpark_hga	04-213/10:15:22.0
1101	M1O	04-213/10:37:11.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-213/10:15:22.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1102	M1O	04-213/10:37:12.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-213/10:15:23.0
1103	M1O	04-213/10:37:56.0		NOTE: Periapsis 11660 ----------		04-213/10:16:06.6
1104	M1O	04-213/10:41:42.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-213/10:19:53.0
1105	M1O	04-213/10:41:43.4		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-213/10:19:54.0
1106	M1O	04-213/10:45:00.6		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-213/10:23:11.1
1107	M1O	04-213/10:45:00.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-213/10:23:11.2
1108	M1O	04-213/10:45:01.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-213/10:23:12.2
1109	M1O	04-213/10:45:02.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-213/10:23:13.2
1110	M1O	04-213/10:45:03.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-213/10:23:14.2
1111	M1O	04-213/10:45:04.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-213/10:23:15.2
1112	M1O	04-213/10:45:14.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-213/10:23:25.2
1113	M1O	04-213/10:45:24.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-213/10:23:35.2
1114	M1O	04-213/10:45:43.4		NOTE: EXIT HGA PARK		
1115	M1O	04-213/10:45:43.4	63	Acquisition Of X-Band Signal		
1116	M1O	04-213/10:45:43.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1117	M1O	04-213/10:52:24.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-213/10:30:35.2
1118	M1O	04-213/10:52:25.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-213/10:30:36.2
1119	M1O	04-213/10:52:25.7	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1120	M1O	04-213/10:52:26.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-213/10:30:37.2
1121	M1O	04-213/11:05:49.6		NOTE: Ascending Node Crossing 11660		04-213/10:44:00.2
1122	M1O	04-213/11:35:45.3		NOTE: North Pole Crossing 11660		04-213/11:13:55.8
1123	M1O	04-213/11:37:41.1		NOTE: Apoapsis 11660 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1141	M1O	04-213/14:04:17.1		NOTE: Descending Node Crossing 11662		04-213/13:42:27.5
1142	M1O	04-213/14:33:38.8		NOTE: South Pole Crossing 11662		04-213/14:11:49.2
1143	M1O	04-213/14:35:07.1		NOTE: Periapsis 11662		04-213/14:13:17.5

1144	M1O	04-213/15:02:56.9		NOTE: Ascending Node Crossing 11662		04-213/14:41:07.2
1145	M1O	04-213/15:32:50.7		NOTE: North Pole Crossing 11662		04-213/15:11:01.0
1146	M1O	04-213/15:35:02.2		NOTE: Apoapsis 11662 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1185	M1O	04-213/18:10:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1186	M1O	04-213/18:10:00.0	26	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
1187	M1O	04-213/18:10:00.0	26	Config: RCV: Parms:		
1188	M1O	04-213/18:10:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
1189	M1O	04-213/18:10:00.0	26	Config: TGC: BAND=X, SR=238896.000000		
1190	M1O	04-213/18:10:00.0	26	Config: TXL		
1191	M1O	04-213/18:10:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1192	M1O	04-213/18:10:00.0	26	Config: CMD		
1193	M1O	04-213/18:10:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1194	M1O	04-213/18:16:20.3	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
1195	M1O	04-213/18:30:40.3		NOTE: South Pole Crossing 11664		04-213/18:08:50.5
1196	M1O	04-213/18:31:35.8		NOTE: Periapsis 11664 ----------		04-213/18:09:46.0
1197	M1O	04-213/18:33:48.0	63	NOTE: Below Uplink Interlock Limit		
1198	M1O	04-213/18:40:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
1199	M1O	04-213/18:55:00.0	55	X-Band Transmitter Off		
1200	M1O	04-213/18:59:58.7		NOTE: Ascending Node Crossing 11664		04-213/18:38:08.8
1201	M1O	04-213/19:00:00.0	55	End Tracking		
1202	M1O	04-213/19:10:00.0	26	Begin Tracking		
1203	M1O	04-213/19:10:00.0	26	Acquire D/L: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1204	M1O	04-213/19:11:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1205	M1O	04-213/19:15:00.0	55	End Post-Cal		
1206	M1O	04-213/19:16:00.0	26	Range Modulation On: SUP=3.0dB		
1207	M1O	04-213/19:17:00.0	26	Begin Ranging Acquisition		
1208	M1O	04-213/19:28:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:14:39.581, 1	dpt	04-213/19:07:08.1
1209	M1O	04-213/19:29:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-213/19:07:10.2
1210	M1O	04-213/19:29:00.1	63	D/L Change: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1211	M1O	04-213/19:29:00.1	26	D/L Change: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1212	M1O	04-213/19:29:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-213/19:07:11.2
1213	M1O	04-213/19:29:54.5		NOTE: North Pole Crossing 11664		04-213/19:08:04.7
1214	M1O	04-213/19:30:00.0	63	End Tracking		
1215	M1O	04-213/19:30:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-213/19:08:10.1
1216	M1O	04-213/19:30:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-213/19:08:10.1
1217	M1O	04-213/19:30:00.0	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		
1218	M1O	04-213/19:31:28.2		NOTE: Apoapsis 11664 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1227	M1O	04-213/19:53:40.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-213/19:31:50.8
1228	M1O	04-213/19:54:39.7	26	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1229	M1O	04-213/19:55:27.8		SPAWN, Engine = 65535, Parameters = 213, 02, FALSE, 00:15:58, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-213/19:33:38.0
1230	M1O	04-213/19:55:28.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-213/19:33:39.1
1231	M1O	04-213/19:55:30.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-213/19:33:41.1
1232	M1O	04-213/19:56:14.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-213/19:34:24.4
1233	M1O	04-213/19:56:14.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-213/19:34:24.6
1234	M1O	04-213/19:56:15.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-213/19:34:25.7
1235	M1O	04-213/19:56:16.8		CALL, Engine = , Parameters = 254	get_coding	04-213/19:34:27.0
1236	M1O	04-213/19:56:18.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-213/19:34:28.2
1237	M1O	04-213/19:56:19.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-213/19:34:29.4
1238	M1O	04-213/19:57:24.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-213/19:35:34.2
1239	M1O	04-213/19:57:25.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-213/19:35:35.2
1240	M1O	04-213/19:57:26.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-213/19:35:36.2
1241	M1O	04-213/19:57:27.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-213/19:35:37.2
1242	M1O	04-213/19:57:28.1		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-213/19:35:38.2
1243	M1O	04-213/19:57:29.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-213/19:35:39.2
1244	M1O	04-213/19:57:30.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-213/19:35:40.2
1245	M1O	04-213/19:59:39.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-213/19:37:49.8
1246	M1O	04-213/19:59:39.7	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1247	M1O	04-213/19:59:40.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-213/19:37:50.8
1248	M1O	04-213/19:59:53.4		NOTE: Descending Node Crossing 11665		04-213/19:38:03.5
1249	M1O	04-213/20:13:24.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-213/19:51:34.2
1250	M1O	04-213/20:13:25.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-213/19:51:35.3
1251	M1O	04-213/20:13:35.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-213/19:51:45.3
1252	M1O	04-213/20:13:36.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-213/19:51:46.3
1253	M1O	04-213/20:29:15.6		NOTE: South Pole Crossing 11665		04-213/20:07:25.7
1254	M1O	04-213/20:30:26.1		NOTE: Periapsis 11665		04-213/20:08:36.2

1255	M1O	04-213/20:46:49.9		SPAWN, Engine = 65535, Parameters = 213, 03, FALSE, 00:19:02, 253, TRUE, 256_KPS, 00:06:00, 00:00:00	uhf	04-213/20:25:00.0
1256	M1O	04-213/20:46:51.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-213/20:25:01.1
1257	M1O	04-213/20:46:53.0		CALL, Engine = , Parameters = 253	get_cmd_opt	04-213/20:25:03.1
1258	M1O	04-213/20:47:36.3		CALL, Engine = , Parameters = 253	get_rcv_mode	04-213/20:25:46.4
1259	M1O	04-213/20:47:36.5		CALL, Engine = , Parameters = 253	get_dl_rate	04-213/20:25:46.6
1260	M1O	04-213/20:47:37.6		CALL, Engine = , Parameters = 253, TRUE	get_modulatn	04-213/20:25:47.7
1261	M1O	04-213/20:47:38.9		CALL, Engine = , Parameters = 253	get_coding	04-213/20:25:49.0
1262	M1O	04-213/20:47:40.1		CALL, Engine = , Parameters = 253	get_xmt_mode	04-213/20:25:50.2
1263	M1O	04-213/20:47:41.3		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-213/20:25:51.4
1264	M1O	04-213/20:48:46.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-213/20:26:56.2
1265	M1O	04-213/20:48:47.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-213/20:26:57.2
1266	M1O	04-213/20:48:48.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-213/20:26:58.2
1267	M1O	04-213/20:48:49.1		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-213/20:26:59.2
1268	M1O	04-213/20:48:50.1		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-213/20:27:00.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1269	M1O	04-213/20:48:51.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 256_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-213/20:27:01.2
1270	M1O	04-213/20:48:52.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-213/20:27:02.2
1271	M1O	04-213/20:48:53.1		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-213/20:27:03.2
1272	M1O	04-213/20:48:54.1		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-213/20:27:04.2
1273	M1O	04-213/20:58:34.9		NOTE: Ascending Node Crossing 11665		04-213/20:36:45.0
1274	M1O	04-213/21:07:49.1		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-213/20:45:59.2
1275	M1O	04-213/21:07:50.1		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-213/20:46:00.2
1276	M1O	04-213/21:07:52.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-213/20:46:02.2
1277	M1O	04-213/21:07:53.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-213/20:46:03.3
1278	M1O	04-213/21:08:03.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-213/20:46:13.3
1279	M1O	04-213/21:08:04.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-213/20:46:14.3
1280	M1O	04-213/21:28:30.3		NOTE: North Pole Crossing 11665		04-213/21:06:40.3
1281	M1O	04-213/21:30:30.9		NOTE: Apoapsis 11665 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1308	M1O	04-213/23:57:05.5		NOTE: Descending Node Crossing 11667		04-213/23:35:15.4
1309	M1O	04-214/00:00:00.0		Light Time: OWLT = 21:50, RTLT = 43:40		
1310	M1O	04-214/00:26:28.0		NOTE: South Pole Crossing 11667		04-214/00:04:37.9
1311	M1O	04-214/00:28:21.6		NOTE: Periapsis 11667		04-214/00:06:31.5

1312	M1O	04-214/00:55:46.1		NOTE: Ascending Node Crossing 11667		04-214/00:33:56.0
1313	M1O	04-214/01:25:41.0		NOTE: North Pole Crossing 11667		04-214/01:03:50.8
1314	M1O	04-214/01:28:14.9		NOTE: Apoapsis 11667 -		04-214/01:06:24.8
				-		
1315	M1O	04-214/01:55:40.0		NOTE: Descending Node Crossing 11668		04-214/01:33:49.8
1316	M1O	04-214/02:05:00.0	43	Begin Pre-Cal		
1317	M1O	04-214/02:05:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1318	M1O	04-214/02:05:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1319	M1O	04-214/02:05:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1320	M1O	04-214/02:05:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1321	M1O	04-214/02:05:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
1322	M1O	04-214/02:05:00.0	43	Config: RCV: Parms:		
1323	M1O	04-214/02:05:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
1324	M1O	04-214/02:05:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
1325	M1O	04-214/02:05:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
1326	M1O	04-214/02:11:19.5	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
1327	M1O	04-214/02:15:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
1328	M1O	04-214/02:25:00.0	26	Range Modulation Off		
1329	M1O	04-214/02:25:01.3		NOTE: South Pole Crossing 11668		04-214/02:03:11.0
1330	M1O	04-214/02:26:42.9		NOTE: Periapsis 11668		04-214/02:04:52.7

1331	M1O	04-214/02:30:00.0	26	X-Band Transmitter Off		
1332	M1O	04-214/02:33:58.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-214/02:12:07.8
1333	M1O	04-214/02:34:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-214/02:12:09.9
1334	M1O	04-214/02:34:00.2	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1335	M1O	04-214/02:34:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-214/02:12:10.9
1336	M1O	04-214/02:35:00.0	43	Begin Tracking		
1337	M1O	04-214/02:35:00.0	43	Acquire D/L: X/08, 3-Way/26, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1338	M1O	04-214/02:35:00.1		NOTE: Changing to 70M downlink rate: 39816_BPS		04-214/02:13:09.8
1339	M1O	04-214/02:35:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-214/02:13:09.8
1340	M1O	04-214/02:35:00.1	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		
1341	M1O	04-214/02:35:00.1	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1342	M1O	04-214/02:40:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-214/02:18:09.9
1343	M1O	04-214/02:40:00.2	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		
1344	M1O	04-214/02:40:00.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1345	M1O	04-214/02:40:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-214/02:18:10.9
1346	M1O	04-214/02:44:13.0	26	NOTE: Below Uplink Interlock Limit		
1347	M1O	04-214/02:54:18.3		NOTE: Ascending Node Crossing 11668		04-214/02:32:28.1
1348	M1O	04-214/02:55:00.0	26	End Tracking		
1349	M1O	04-214/03:10:00.0	26	End Post-Cal		
1350	M1O	04-214/03:12:38.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-214/02:50:48.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1351	M1O	04-214/03:12:40.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-214/02:50:50.1
1352	M1O	04-214/03:12:40.3	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		
1353	M1O	04-214/03:12:41.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-214/02:50:51.1
1354	M1O	04-214/03:13:40.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1355	M1O	04-214/03:18:40.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-214/02:56:50.1
1356	M1O	04-214/03:18:40.4	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1357	M1O	04-214/03:18:41.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-214/02:56:51.1
1358	M1O	04-214/03:24:12.9		NOTE: North Pole Crossing 11668		04-214/03:02:22.7
1359	M1O	04-214/03:26:26.7		NOTE: Apoapsis 11668 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1392	M1O	04-214/04:52:49.4		NOTE: Ascending Node Crossing 11669		04-214/04:30:59.1
1393	M1O	04-214/05:22:43.6		NOTE: North Pole Crossing 11669		04-214/05:00:53.2
1394	M1O	04-214/05:24:57.3		NOTE: Apoapsis 11669 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1435	M1O	04-214/07:24:51.6		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-214/07:03:01.2
1436	M1O	04-214/07:24:56.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-214/07:03:06.2
1437	M1O	04-214/07:25:01.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-214/07:03:11.2
1438	M1O	04-214/07:25:41.6		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-214/07:03:51.2
1439	M1O	04-214/07:25:46.6		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-214/07:03:56.2
1440	M1O	04-214/07:25:51.6		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-214/07:04:01.2
1441	M1O	04-214/07:25:56.6		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-214/07:04:06.2
1442	M1O	04-214/07:26:01.6		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-214/07:04:11.2
1443	M1O	04-214/07:26:02.6		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-214/07:04:12.2
1444	M1O	04-214/07:26:03.6		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-214/07:04:13.2
1445	M1O	04-214/07:26:04.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-214/07:04:14.2
1446	M1O	04-214/07:26:15.6		NOTE: End Block fsw_diag.mod		04-214/07:04:25.2
1447	M1O	04-214/07:27:53.0	63	NOTE: Above Uplink Interlock Limit		
1448	M1O	04-214/07:30:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1449	M1O	04-214/07:30:00.0	45	End Tracking		
1450	M1O	04-214/07:34:48.0	43	NOTE: Below Uplink Interlock Limit		
1451	M1O	04-214/07:35:00.0	63	Range Modulation On: SUP=3.0dB		
1452	M1O	04-214/07:36:00.0	63	Begin Ranging Acquisition		
1453	M1O	04-214/07:45:00.0	43	End Tracking		
1454	M1O	04-214/07:45:00.0	45	End Post-Cal		
1455	M1O	04-214/07:51:15.7		NOTE: Descending Node Crossing 11671		04-214/07:29:25.2
1456	M1O	04-214/08:00:00.0	43	End Post-Cal		
1457	M1O	04-214/08:02:38.8		SPAWN, Engine = 65535, Parameters = 3, 00:16:00, 1	dpt	04-214/07:40:48.3
1458	M1O	04-214/08:02:40.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-214/07:40:50.4
1459	M1O	04-214/08:02:40.9	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		
1460	M1O	04-214/08:02:41.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-214/07:40:51.4
1461	M1O	04-214/08:03:40.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1462	M1O	04-214/08:13:40.9	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1463	M1O	04-214/08:18:40.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-214/07:56:50.4
1464	M1O	04-214/08:18:40.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1465	M1O	04-214/08:18:41.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-214/07:56:51.4
1466	M1O	04-214/08:20:37.5		NOTE: South Pole Crossing 11671		04-214/07:58:47.0
1467	M1O	04-214/08:22:04.0		NOTE: Periapsis 11671		04-214/08:00:13.6

1468	M1O	04-214/08:32:46.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
1469	M1O	04-214/08:34:59.5		SPAWN, Engine = 65535, Parameters = 214, 01, FALSE, 00:17:18, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-214/08:13:09.0
1470	M1O	04-214/08:35:00.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-214/08:13:10.1
1471	M1O	04-214/08:35:02.6		CALL, Engine = , Parameters = 254	get_cmd_opt	04-214/08:13:12.1
1472	M1O	04-214/08:35:45.9		CALL, Engine = , Parameters = 254	get_rcv_mode	04-214/08:13:55.4
1473	M1O	04-214/08:35:46.1		CALL, Engine = , Parameters = 254	get_dl_rate	04-214/08:13:55.6
1474	M1O	04-214/08:35:47.2		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-214/08:13:56.7
1475	M1O	04-214/08:35:48.5		CALL, Engine = , Parameters = 254	get_coding	04-214/08:13:58.0
1476	M1O	04-214/08:35:49.7		CALL, Engine = , Parameters = 254	get_xmt_mode	04-214/08:13:59.2
1477	M1O	04-214/08:35:50.9		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-214/08:14:00.4
1478	M1O	04-214/08:36:55.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-214/08:15:05.2
1479	M1O	04-214/08:36:56.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-214/08:15:06.2
1480	M1O	04-214/08:36:57.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-214/08:15:07.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1481	M1O	04-214/08:36:58.7		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-214/08:15:08.2
1482	M1O	04-214/08:36:59.7		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-214/08:15:09.2
1483	M1O	04-214/08:37:00.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-214/08:15:10.2
1484	M1O	04-214/08:37:01.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-214/08:15:11.2
1485	M1O	04-214/08:42:46.0	63	Range Modulation Off		
1486	M1O	04-214/08:47:46.0	63	X-Band Transmitter Off		
1487	M1O	04-214/08:49:55.8		NOTE: Ascending Node Crossing 11671		04-214/08:28:05.3
1488	M1O	04-214/08:54:15.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-214/08:32:25.2
1489	M1O	04-214/08:54:16.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-214/08:32:26.3
1490	M1O	04-214/08:54:26.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-214/08:32:36.3
1491	M1O	04-214/08:54:27.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-214/08:32:37.3
1492	M1O	04-214/09:19:52.2		NOTE: North Pole Crossing 11671		04-214/08:58:01.6
1493	M1O	04-214/09:20:16.5		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	04-214/08:58:26.0
1494	M1O	04-214/09:20:16.5		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-214/08:58:26.0
1495	M1O	04-214/09:20:16.6		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-214/08:58:26.1
1496	M1O	04-214/09:20:17.6		Forces a desaturation of the reaction wheels.	RW_DESAT	04-214/08:58:27.1
1497	M1O	04-214/09:20:32.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-212T08:58:26.100, 2004-214T08:58:26.100	PCKTS_RE_TX_TIME	04-214/08:58:41.8
1498	M1O	04-214/09:20:33.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-212T08:58:26.100, 2004-214T08:58:26.100	PCKTS_RE_TX_TIME	04-214/08:58:42.8
1499	M1O	04-214/09:20:34.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-212T08:58:26.100, 2004-214T08:58:26.100	PCKTS_RE_TX_TIME	04-214/08:58:43.8
1500	M1O	04-214/09:20:35.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-212T08:58:26.100, 2004-214T08:58:26.100	PCKTS_RE_TX_TIME	04-214/08:58:44.8
1501	M1O	04-214/09:20:36.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-212T08:58:26.100, 2004-214T08:58:26.100	PCKTS_RE_TX_TIME	04-214/08:58:45.8
1502	M1O	04-214/09:20:37.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-212T08:58:26.100, 2004-214T08:58:26.100	PCKTS_RE_TX_TIME	04-214/08:58:46.8
1503	M1O	04-214/09:20:37.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-214/08:58:46.8
1504	M1O	04-214/09:20:37.3	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1505	M1O	04-214/09:22:05.9		NOTE: Apoapsis 11671 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1520	M1O	04-214/09:31:50.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-214/09:10:00.1
1521	M1O	04-214/09:31:51.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-214/09:10:01.1
1522	M1O	04-214/09:36:21.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-214/09:14:31.1
1523	M1O	04-214/09:38:31.5		SPAWN, Engine = 65535, Parameters = 214, 02, FALSE, 00:19:28, 253, TRUE, 128_KPS, 00:06:00, 00:00:00	uhf	04-214/09:16:41.0
1524	M1O	04-214/09:38:32.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-214/09:16:42.1
1525	M1O	04-214/09:38:34.6		CALL, Engine = , Parameters = 253	get_cmd_opt	04-214/09:16:44.1
1526	M1O	04-214/09:39:17.9		CALL, Engine = , Parameters = 253	get_rcv_mode	04-214/09:17:27.4
1527	M1O	04-214/09:39:18.1		CALL, Engine = , Parameters = 253	get_dl_rate	04-214/09:17:27.6
1528	M1O	04-214/09:39:19.2		CALL, Engine = , Parameters = 253, TRUE	get_modulatn	04-214/09:17:28.7
1529	M1O	04-214/09:39:20.5		CALL, Engine = , Parameters = 253	get_coding	04-214/09:17:30.0
1530	M1O	04-214/09:39:21.7		CALL, Engine = , Parameters = 253	get_xmt_mode	04-214/09:17:31.2
1531	M1O	04-214/09:39:22.9		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-214/09:17:32.4
1532	M1O	04-214/09:39:51.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-214/09:18:01.1
1533	M1O	04-214/09:39:51.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-214/09:18:01.1
1534	M1O	04-214/09:40:27.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-214/09:18:37.2
1535	M1O	04-214/09:40:28.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-214/09:18:38.2
1536	M1O	04-214/09:40:29.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-214/09:18:39.2
1537	M1O	04-214/09:40:30.7		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-214/09:18:40.2
1538	M1O	04-214/09:40:31.7		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-214/09:18:41.2
1539	M1O	04-214/09:40:32.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-214/09:18:42.2
1540	M1O	04-214/09:40:33.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-214/09:18:43.2
1541	M1O	04-214/09:40:34.7		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-214/09:18:44.2
1542	M1O	04-214/09:40:35.7		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-214/09:18:45.2
1543	M1O	04-214/09:44:29.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1544	M1O	04-214/09:49:29.0	63	Range Modulation On: SUP=3.0dB		
1545	M1O	04-214/09:49:52.4		NOTE: Descending Node Crossing 11672		04-214/09:28:01.8
1546	M1O	04-214/09:50:29.0	63	Begin Ranging Acquisition		
1547	M1O	04-214/09:59:56.7		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-214/09:38:06.2
1548	M1O	04-214/09:59:57.7		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-214/09:38:07.2
1549	M1O	04-214/09:59:59.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-214/09:38:09.2
1550	M1O	04-214/10:00:00.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-214/09:38:10.3
1551	M1O	04-214/10:00:10.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-214/09:38:20.3
1552	M1O	04-214/10:00:11.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-214/09:38:21.3
1553	M1O	04-214/10:09:51.5		GV: GV_DESAT_ACTIVE = 1		04-214/09:48:01.0
1554	M1O	04-214/10:09:52.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-214/09:48:02.0
1555	M1O	04-214/10:09:52.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-214/09:48:02.0
1556	M1O	04-214/10:19:14.0		NOTE: South Pole Crossing 11672		04-214/09:57:23.4
1557	M1O	04-214/10:19:51.5		GV: GV_DESAT_ACTIVE = 0		04-214/09:58:01.0
1558	M1O	04-214/10:19:52.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-214/09:58:02.0
1559	M1O	04-214/10:19:53.5		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-214/09:58:03.0
1560	M1O	04-214/10:19:54.5		CALL, Engine = , Parameters =	unpark_hga	04-214/09:58:04.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1561	M1O	04-214/10:19:54.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-214/09:58:04.0
1562	M1O	04-214/10:19:55.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-214/09:58:05.0
1563	M1O	04-214/10:20:40.8		NOTE: Periapsis 11672 ----------		04-214/09:58:50.2
1564	M1O	04-214/10:24:25.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-214/10:02:35.0
1565	M1O	04-214/10:24:26.5		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-214/10:02:36.0
1566	M1O	04-214/10:27:44.9		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-214/10:05:54.3
1567	M1O	04-214/10:27:45.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-214/10:05:54.4
1568	M1O	04-214/10:27:46.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-214/10:05:55.4
1569	M1O	04-214/10:27:47.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-214/10:05:56.4
1570	M1O	04-214/10:27:48.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-214/10:05:57.4
1571	M1O	04-214/10:27:49.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-214/10:05:58.4
1572	M1O	04-214/10:27:59.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-214/10:06:08.4
1573	M1O	04-214/10:28:09.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-214/10:06:18.4
1574	M1O	04-214/10:28:26.5		NOTE: EXIT HGA PARK		
1575	M1O	04-214/10:28:26.5	63	Acquisition Of X-Band Signal		
1576	M1O	04-214/10:28:26.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1577	M1O	04-214/10:32:53.6		SPAWN, Engine = 65535, Parameters = 214, 02, FALSE, 00:16:18, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-214/10:11:03.0
1578	M1O	04-214/10:32:54.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-214/10:11:04.1
1579	M1O	04-214/10:32:56.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-214/10:11:06.1
1580	M1O	04-214/10:33:40.0		CALL, Engine = , Parameters = 254	get_rcv_mode	04-214/10:11:49.4
1581	M1O	04-214/10:33:40.2		CALL, Engine = , Parameters = 254	get_dl_rate	04-214/10:11:49.6
1582	M1O	04-214/10:33:41.3		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-214/10:11:50.7
1583	M1O	04-214/10:33:42.6		CALL, Engine = , Parameters = 254	get_coding	04-214/10:11:52.0
1584	M1O	04-214/10:33:43.8		CALL, Engine = , Parameters = 254	get_xmt_mode	04-214/10:11:53.2
1585	M1O	04-214/10:33:45.0		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-214/10:11:54.4
1586	M1O	04-214/10:34:49.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-214/10:12:59.2
1587	M1O	04-214/10:34:50.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-214/10:13:00.2
1588	M1O	04-214/10:34:51.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-214/10:13:01.2
1589	M1O	04-214/10:34:52.8		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-214/10:13:02.2
1590	M1O	04-214/10:34:53.8		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-214/10:13:03.2
1591	M1O	04-214/10:34:54.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-214/10:13:04.2
1592	M1O	04-214/10:34:55.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-214/10:13:05.2
1593	M1O	04-214/10:35:09.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-214/10:13:18.4
1594	M1O	04-214/10:35:10.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-214/10:13:19.4
1595	M1O	04-214/10:35:10.0	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1596	M1O	04-214/10:35:11.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-214/10:13:20.4
1597	M1O	04-214/10:48:32.0		NOTE: Ascending Node Crossing 11672		04-214/10:26:41.4
1598	M1O	04-214/10:51:09.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-214/10:29:19.2
1599	M1O	04-214/10:51:10.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-214/10:29:20.3
1600	M1O	04-214/10:51:20.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-214/10:29:30.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1601	M1O	04-214/10:51:21.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-214/10:29:31.3
1602	M1O	04-214/11:18:28.3		NOTE: North Pole Crossing 11672		04-214/10:56:37.7
1603	M1O	04-214/11:20:28.8		NOTE: Apoapsis 11672 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1643	M1O	04-214/17:30:00.0	25	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1644	M1O	04-214/17:30:00.0	25	Config: CMD		
1645	M1O	04-214/17:30:00.0	25	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1646	M1O	04-214/17:44:04.9		NOTE: Descending Node Crossing 11676		04-214/17:22:14.0
1647	M1O	04-214/18:00:00.0	25	Begin Tracking		
1648	M1O	04-214/18:00:00.0	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1649	M1O	04-214/18:01:00.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1650	M1O	04-214/18:06:00.0	25	Range Modulation On: SUP=3.0dB		
1651	M1O	04-214/18:07:00.0	25	Begin Ranging Acquisition		
1652	M1O	04-214/18:13:25.3		NOTE: South Pole Crossing 11676		04-214/17:51:34.4
1653	M1O	04-214/18:14:30.3		NOTE: Periapsis 11676		04-214/17:52:39.4

1654	M1O	04-214/18:33:27.0	63	NOTE: Below Uplink Interlock Limit		
1655	M1O	04-214/18:42:43.0		NOTE: Ascending Node Crossing 11676		04-214/18:20:52.0
1656	M1O	04-214/18:43:39.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-214/18:21:48.9
1657	M1O	04-214/18:43:42.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-214/18:21:51.0
1658	M1O	04-214/18:43:42.0	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1659	M1O	04-214/18:43:42.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1660	M1O	04-214/18:43:43.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-214/18:21:52.0
1661	M1O	04-214/18:44:41.9	25	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1662	M1O	04-214/18:44:41.9	63	Acquire D/L: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1663	M1O	04-214/18:49:42.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-214/18:27:51.0
1664	M1O	04-214/18:49:42.0	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1665	M1O	04-214/18:49:42.0	63	D/L Change: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1666	M1O	04-214/18:49:43.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-214/18:27:52.0
1667	M1O	04-214/19:12:38.7		NOTE: North Pole Crossing 11676		04-214/18:50:47.7
1668	M1O	04-214/19:14:19.0		NOTE: Apoapsis 11676 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1683	M1O	04-214/20:11:59.3		NOTE: South Pole Crossing 11677		04-214/19:50:08.2
1684	M1O	04-214/20:13:03.3		NOTE: Periapsis 11677		04-214/19:51:12.2

1685	M1O	04-214/20:41:18.1		NOTE: Ascending Node Crossing 11677		04-214/20:19:27.0
1686	M1O	04-214/21:11:13.8		NOTE: North Pole Crossing 11677		04-214/20:49:22.7
1687	M1O	04-214/21:13:04.6		NOTE: Apoapsis 11677 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1727	M1O	04-214/22:12:06.1		NOTE: Periapsis 11678 ----------		04-214/21:50:14.9
1728	M1O	04-214/22:27:53.1		SPAWN, Engine = 65535, Parameters = 214, 04, FALSE, 00:18:20, 253, TRUE, 128_KPS, 00:06:00, 00:00:00	uhf	04-214/22:06:02.0
1729	M1O	04-214/22:27:54.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-214/22:06:03.1
1730	M1O	04-214/22:27:56.2		CALL, Engine = , Parameters = 253	get_cmd_opt	04-214/22:06:05.1
1731	M1O	04-214/22:28:39.5		CALL, Engine = , Parameters = 253	get_rcv_mode	04-214/22:06:48.4
1732	M1O	04-214/22:28:39.7		CALL, Engine = , Parameters = 253	get_dl_rate	04-214/22:06:48.6
1733	M1O	04-214/22:28:40.8		CALL, Engine = , Parameters = 253, TRUE	get_modulatn	04-214/22:06:49.7
1734	M1O	04-214/22:28:42.1		CALL, Engine = , Parameters = 253	get_coding	04-214/22:06:51.0
1735	M1O	04-214/22:28:43.3		CALL, Engine = , Parameters = 253	get_xmt_mode	04-214/22:06:52.2
1736	M1O	04-214/22:28:44.5		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-214/22:06:53.4
1737	M1O	04-214/22:29:49.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-214/22:07:58.2
1738	M1O	04-214/22:29:50.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-214/22:07:59.2
1739	M1O	04-214/22:29:51.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-214/22:08:00.2
1740	M1O	04-214/22:29:52.3		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-214/22:08:01.2
1741	M1O	04-214/22:29:53.3		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-214/22:08:02.2
1742	M1O	04-214/22:29:54.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-214/22:08:03.2
1743	M1O	04-214/22:29:55.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-214/22:08:04.2
1744	M1O	04-214/22:29:56.3		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-214/22:08:05.2
1745	M1O	04-214/22:29:57.3		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-214/22:08:06.2
1746	M1O	04-214/22:39:54.8		NOTE: Ascending Node Crossing 11678		04-214/22:18:03.7
1747	M1O	04-214/22:48:10.3		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-214/22:26:19.2
1748	M1O	04-214/22:48:11.3		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-214/22:26:20.2
1749	M1O	04-214/22:48:13.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-214/22:26:22.2
1750	M1O	04-214/22:48:14.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-214/22:26:23.3
1751	M1O	04-214/22:48:24.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-214/22:26:33.3
1752	M1O	04-214/22:48:25.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-214/22:26:34.3
1753	M1O	04-214/23:09:50.0		NOTE: North Pole Crossing 11678		04-214/22:47:58.8
1754	M1O	04-214/23:12:16.6		NOTE: Apoapsis 11678 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1767	M1O	04-214/23:45:00.2	43	D/L Change: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1768	M1O	04-214/23:50:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-214/23:28:09.1
1769	M1O	04-214/23:50:00.3	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1770	M1O	04-214/23:50:00.3	43	D/L Change: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1771	M1O	04-214/23:50:01.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-214/23:28:10.1
1772	M1O	04-214/23:55:00.0	25	Range Modulation Off		
1773	M1O	04-215/00:00:00.0	25	X-Band Transmitter Off		
1774	M1O	04-215/00:00:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1775	M1O	04-215/00:00:00.0		Light Time: OWLT = 21:51, RTLT = 43:42		
1776	M1O	04-215/00:05:00.0	25	End Tracking		
1777	M1O	04-215/00:05:00.0	25	End Post-Cal		
1778	M1O	04-215/00:05:00.0	43	Range Modulation On: SUP=3.0dB		
1779	M1O	04-215/00:06:00.0	43	Begin Ranging Acquisition		
1780	M1O	04-215/00:09:12.0		NOTE: South Pole Crossing 11679		04-214/23:47:20.8
1781	M1O	04-215/00:11:05.5		NOTE: Periapsis 11679 ----------		04-214/23:49:14.2
1782	M1O	04-215/00:38:30.6		NOTE: Ascending Node Crossing 11679		04-215/00:16:39.3
1783	M1O	04-215/00:43:42.4	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1784	M1O	04-215/01:08:25.6		NOTE: North Pole Crossing 11679		04-215/00:46:34.3
1785	M1O	04-215/01:11:08.4		NOTE: Apoapsis 11679 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1808	M1O	04-215/05:07:43.6		NOTE: Apoapsis 11681 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1852	M1O	04-215/07:26:02.7		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-215/07:04:11.2
1853	M1O	04-215/07:26:03.7		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-215/07:04:12.2
1854	M1O	04-215/07:26:04.7		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-215/07:04:13.2
1855	M1O	04-215/07:26:05.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-215/07:04:14.2
1856	M1O	04-215/07:26:16.7		NOTE: End Block fsw_diag.mod		04-215/07:04:25.2
1857	M1O	04-215/07:27:08.0	63	NOTE: Above Uplink Interlock Limit		
1858	M1O	04-215/07:30:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1859	M1O	04-215/07:33:59.2		NOTE: Descending Node Crossing 11683		04-215/07:12:07.6
1860	M1O	04-215/07:34:05.0	43	NOTE: Below Uplink Interlock Limit		
1861	M1O	04-215/07:35:00.0	63	Range Modulation On: SUP=3.0dB		
1862	M1O	04-215/07:36:00.0	63	Begin Ranging Acquisition		
1863	M1O	04-215/07:40:00.0	43	End Tracking		
1864	M1O	04-215/07:55:00.0	43	End Post-Cal		
1865	M1O	04-215/08:03:21.0		NOTE: South Pole Crossing 11683		04-215/07:41:29.4
1866	M1O	04-215/08:04:44.0		NOTE: Periapsis 11683		04-215/07:42:52.4

1867	M1O	04-215/08:12:41.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-215/07:50:49.4
1868	M1O	04-215/08:12:43.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-215/07:50:51.5
1869	M1O	04-215/08:12:43.1	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1870	M1O	04-215/08:12:44.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-215/07:50:52.5
1871	M1O	04-215/08:13:43.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1872	M1O	04-215/08:15:28.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
1873	M1O	04-215/08:18:43.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-215/07:56:51.5
1874	M1O	04-215/08:18:43.2	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1875	M1O	04-215/08:18:44.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-215/07:56:52.5
1876	M1O	04-215/08:25:28.0	63	Range Modulation Off		
1877	M1O	04-215/08:30:28.0	63	X-Band Transmitter Off		
1878	M1O	04-215/08:32:39.6		NOTE: Ascending Node Crossing 11683		04-215/08:10:48.0
1879	M1O	04-215/09:02:35.5		NOTE: North Pole Crossing 11683		04-215/08:40:43.8
1880	M1O	04-215/09:02:59.6		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-215/08:41:08.0
1881	M1O	04-215/09:02:59.7		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-215/08:41:08.1
1882	M1O	04-215/09:03:00.6		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	04-215/08:41:09.0
1883	M1O	04-215/09:03:00.7		Forces a desaturation of the reaction wheels.	RW_DESAT	04-215/08:41:09.1
1884	M1O	04-215/09:03:16.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-213T08:41:09.100, 2004-215T08:41:09.100	PCKTS_RE_TX_TIME	04-215/08:41:24.8
1885	M1O	04-215/09:03:17.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-213T08:41:09.100, 2004-215T08:41:09.100	PCKTS_RE_TX_TIME	04-215/08:41:25.8
1886	M1O	04-215/09:03:18.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-213T08:41:09.100, 2004-215T08:41:09.100	PCKTS_RE_TX_TIME	04-215/08:41:26.8
1887	M1O	04-215/09:03:19.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-213T08:41:09.100, 2004-215T08:41:09.100	PCKTS_RE_TX_TIME	04-215/08:41:27.8
1888	M1O	04-215/09:03:20.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-213T08:41:09.100, 2004-215T08:41:09.100	PCKTS_RE_TX_TIME	04-215/08:41:28.8
1889	M1O	04-215/09:03:21.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-213T08:41:09.100, 2004-215T08:41:09.100	PCKTS_RE_TX_TIME	04-215/08:41:29.8
1890	M1O	04-215/09:03:21.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-215/08:41:29.8
1891	M1O	04-215/09:03:21.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1892	M1O	04-215/09:04:53.1		NOTE: Apoapsis 11683 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1893	M1O	04-215/09:13:22.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-215/08:51:30.8
1894	M1O	04-215/09:13:22.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1895	M1O	04-215/09:13:23.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-215/08:51:31.8
1896	M1O	04-215/09:13:39.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-215/08:51:47.8
1897	M1O	04-215/09:13:39.4	63	D/L RF Warning: SC antenna change - expect signal level variation		
1898	M1O	04-215/09:13:40.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-215/08:51:48.8
1899	M1O	04-215/09:14:11.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1900	M1O	04-215/09:14:30.7		CALL, Engine = , Parameters = FALSE	park_hga	04-215/08:52:39.1
1901	M1O	04-215/09:14:30.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-215/08:52:39.1
1902	M1O	04-215/09:14:31.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-215/08:52:40.1
1903	M1O	04-215/09:14:32.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-215/08:52:41.1
1904	M1O	04-215/09:14:32.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-215/08:52:41.1
1905	M1O	04-215/09:14:32.7		NOTE: START HGA PARK		
1906	M1O	04-215/09:14:32.7	63	NOTE: Loss Of X-Band Signal		
1907	M1O	04-215/09:14:33.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-215/08:52:42.1
1908	M1O	04-215/09:14:34.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-215/08:52:43.1
1909	M1O	04-215/09:19:04.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-215/08:57:13.1
1910	M1O	04-215/09:22:34.6		SPAWN, Engine = 65535, Parameters = 215, 01, FALSE, 00:17:59, 253, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-215/09:00:43.0
1911	M1O	04-215/09:22:34.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-215/09:00:43.1
1912	M1O	04-215/09:22:34.7		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-215/09:00:43.1
1913	M1O	04-215/09:22:35.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-215/09:00:44.1
1914	M1O	04-215/09:22:37.7		CALL, Engine = , Parameters = 253	get_cmd_opt	04-215/09:00:46.1
1915	M1O	04-215/09:23:21.0		CALL, Engine = , Parameters = 253	get_rcv_mode	04-215/09:01:29.4
1916	M1O	04-215/09:23:21.2		CALL, Engine = , Parameters = 253	get_dl_rate	04-215/09:01:29.6
1917	M1O	04-215/09:23:22.3		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-215/09:01:30.7
1918	M1O	04-215/09:23:23.6		CALL, Engine = , Parameters = 253	get_coding	04-215/09:01:32.0
1919	M1O	04-215/09:23:24.8		CALL, Engine = , Parameters = 253	get_xmt_mode	04-215/09:01:33.2
1920	M1O	04-215/09:23:26.0		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-215/09:01:34.4
1921	M1O	04-215/09:24:30.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-215/09:02:39.2
1922	M1O	04-215/09:24:31.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-215/09:02:40.2
1923	M1O	04-215/09:24:32.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-215/09:02:41.2
1924	M1O	04-215/09:24:33.8		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-215/09:02:42.2
1925	M1O	04-215/09:24:34.8		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-215/09:02:43.2
1926	M1O	04-215/09:24:35.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-215/09:02:44.2
1927	M1O	04-215/09:24:36.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-215/09:02:45.2
1928	M1O	04-215/09:27:11.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1929	M1O	04-215/09:32:11.0	63	Range Modulation On: SUP=3.0dB		
1930	M1O	04-215/09:32:35.1		NOTE: Descending Node Crossing 11684		04-215/09:10:43.4
1931	M1O	04-215/09:33:11.0	63	Begin Ranging Acquisition		
1932	M1O	04-215/09:42:31.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-215/09:20:40.2
1933	M1O	04-215/09:42:32.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-215/09:20:41.3
1934	M1O	04-215/09:42:42.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-215/09:20:51.3
1935	M1O	04-215/09:42:43.9		Passes the specified amount of data, data size parameter, through the PACI interface.:	GRS_PASS_THROUGH	04-215/09:20:52.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000		
1936	M1O	04-215/09:52:34.7		GV: GV_DESAT_ACTIVE = 1		04-215/09:30:43.0
1937	M1O	04-215/09:52:35.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-215/09:30:44.0
1938	M1O	04-215/09:52:35.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-215/09:30:44.0
1939	M1O	04-215/10:01:56.9		NOTE: South Pole Crossing 11684		04-215/09:40:05.2
1940	M1O	04-215/10:02:34.7		GV: GV_DESAT_ACTIVE = 0		04-215/09:40:43.0
1941	M1O	04-215/10:02:35.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-215/09:40:44.0
1942	M1O	04-215/10:02:36.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-215/09:40:45.0
1943	M1O	04-215/10:02:37.7		CALL, Engine = , Parameters =	unpark_hga	04-215/09:40:46.0
1944	M1O	04-215/10:02:37.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-215/09:40:46.0
1945	M1O	04-215/10:02:38.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-215/09:40:47.0
1946	M1O	04-215/10:03:24.5		NOTE: Periapsis 11684		04-215/09:41:32.8

1947	M1O	04-215/10:07:08.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-215/09:45:17.0
1948	M1O	04-215/10:07:09.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-215/09:45:18.0
1949	M1O	04-215/10:10:29.1		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-215/09:48:37.4
1950	M1O	04-215/10:10:29.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-215/09:48:37.5
1951	M1O	04-215/10:10:30.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-215/09:48:38.5
1952	M1O	04-215/10:10:31.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-215/09:48:39.5
1953	M1O	04-215/10:10:32.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-215/09:48:40.5
1954	M1O	04-215/10:10:33.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-215/09:48:41.5
1955	M1O	04-215/10:10:43.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-215/09:48:51.5
1956	M1O	04-215/10:10:53.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-215/09:49:01.5
1957	M1O	04-215/10:11:09.7		NOTE: EXIT HGA PARK		
1958	M1O	04-215/10:11:09.7	63	Acquisition Of X-Band Signal		
1959	M1O	04-215/10:11:09.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1960	M1O	04-215/10:14:53.7		SPAWN, Engine = 65535, Parameters = 215, 02, FALSE, 00:19:11, 254, TRUE, 128_KPS, 00:06:00, 00:00:00	uhf	04-215/09:53:02.0
1961	M1O	04-215/10:14:54.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-215/09:53:03.1
1962	M1O	04-215/10:14:56.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-215/09:53:05.1
1963	M1O	04-215/10:15:40.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-215/09:53:48.4
1964	M1O	04-215/10:15:40.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-215/09:53:48.6
1965	M1O	04-215/10:15:41.4		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-215/09:53:49.7
1966	M1O	04-215/10:15:42.7		CALL, Engine = , Parameters = 254	get_coding	04-215/09:53:51.0
1967	M1O	04-215/10:15:43.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-215/09:53:52.2
1968	M1O	04-215/10:15:45.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-215/09:53:53.4
1969	M1O	04-215/10:16:49.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-215/09:54:58.2
1970	M1O	04-215/10:16:50.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-215/09:54:59.2
1971	M1O	04-215/10:16:51.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-215/09:55:00.2
1972	M1O	04-215/10:16:52.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-215/09:55:01.2
1973	M1O	04-215/10:16:53.9		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-215/09:55:02.2
1974	M1O	04-215/10:16:54.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-215/09:55:03.2
1975	M1O	04-215/10:16:55.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-215/09:55:04.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1976	M1O	04-215/10:16:56.9		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-215/09:55:05.2
1977	M1O	04-215/10:16:57.9		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-215/09:55:06.2
1978	M1O	04-215/10:17:53.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-215/09:56:01.5
1979	M1O	04-215/10:17:54.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-215/09:56:02.5
1980	M1O	04-215/10:17:54.2	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1981	M1O	04-215/10:17:55.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-215/09:56:03.5
1982	M1O	04-215/10:31:15.1		NOTE: Ascending Node Crossing 11684		04-215/10:09:23.3
1983	M1O	04-215/10:36:01.9		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-215/10:14:10.2
1984	M1O	04-215/10:36:02.9		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-215/10:14:11.2
1985	M1O	04-215/10:36:04.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-215/10:14:13.2
1986	M1O	04-215/10:36:06.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-215/10:14:14.3
1987	M1O	04-215/10:36:16.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-215/10:14:24.3
1988	M1O	04-215/10:36:17.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-215/10:14:25.3
1989	M1O	04-215/11:01:11.4		NOTE: North Pole Crossing 11684		04-215/10:39:19.7
1990	M1O	04-215/11:03:20.0		NOTE: Apoapsis 11684 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2016	M1O	04-215/13:00:00.0	26	Begin Pre-Cal		
2017	M1O	04-215/13:00:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2018	M1O	04-215/13:00:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2019	M1O	04-215/13:00:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2020	M1O	04-215/13:00:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2021	M1O	04-215/13:00:00.0	26	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
2022	M1O	04-215/13:00:00.0	26	Config: RCV: Parms:		
2023	M1O	04-215/13:00:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
2024	M1O	04-215/13:00:00.0	26	Config: TGC: BAND=X, SR=238896.000000		
2025	M1O	04-215/13:00:00.0	26	Config: TXL		
2026	M1O	04-215/13:00:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2027	M1O	04-215/13:00:00.0	26	Config: CMD		
2028	M1O	04-215/13:00:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2029	M1O	04-215/13:01:41.2		NOTE: Apoapsis 11685 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2060	M1O	04-215/15:48:43.8	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2061	M1O	04-215/15:53:43.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-215/15:31:51.8
2062	M1O	04-215/15:53:43.8	63	D/L Change: X/08, 3-Way/26, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2063	M1O	04-215/15:53:43.8	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2064	M1O	04-215/15:53:44.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-215/15:31:52.8
2065	M1O	04-215/15:57:40.7		NOTE: South Pole Crossing 11687		04-215/15:35:48.7
2066	M1O	04-215/15:59:08.2		NOTE: Periapsis 11687 ----------		04-215/15:37:16.2
2067	M1O	04-215/16:26:58.4		NOTE: Ascending Node Crossing 11687		04-215/16:05:06.4
2068	M1O	04-215/16:56:52.5		NOTE: North Pole Crossing 11687		04-215/16:35:00.5
2069	M1O	04-215/16:59:02.1		NOTE: Apoapsis 11687 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2099	M1O	04-215/20:42:43.3	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2100	M1O	04-215/20:42:44.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-215/20:20:52.1
2101	M1O	04-215/20:43:43.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2102	M1O	04-215/20:48:43.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-215/20:26:51.1
2103	M1O	04-215/20:48:43.3	26	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2104	M1O	04-215/20:48:44.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-215/20:26:52.1
2105	M1O	04-215/20:53:56.7		NOTE: North Pole Crossing 11689		04-215/20:32:04.4
2106	M1O	04-215/20:55:29.6		NOTE: Apoapsis 11689 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2141	M1O	04-215/22:10:46.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-215/21:48:54.1
2142	M1O	04-215/22:10:48.3		CALL, Engine = , Parameters = 253	get_cmd_opt	04-215/21:48:56.1
2143	M1O	04-215/22:11:31.6		CALL, Engine = , Parameters = 253	get_rcv_mode	04-215/21:49:39.4
2144	M1O	04-215/22:11:31.8		CALL, Engine = , Parameters = 253	get_dl_rate	04-215/21:49:39.6
2145	M1O	04-215/22:11:32.9		CALL, Engine = , Parameters = 253, TRUE	get_modulatn	04-215/21:49:40.7
2146	M1O	04-215/22:11:34.2		CALL, Engine = , Parameters = 253	get_coding	04-215/21:49:42.0
2147	M1O	04-215/22:11:35.4		CALL, Engine = , Parameters = 253	get_xmt_mode	04-215/21:49:43.2
2148	M1O	04-215/22:11:36.6		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-215/21:49:44.4
2149	M1O	04-215/22:12:41.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-215/21:50:49.2
2150	M1O	04-215/22:12:42.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-215/21:50:50.2
2151	M1O	04-215/22:12:43.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-215/21:50:51.2
2152	M1O	04-215/22:12:44.4		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-215/21:50:52.2
2153	M1O	04-215/22:12:45.4		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-215/21:50:53.2
2154	M1O	04-215/22:12:46.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 256_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-215/21:50:54.2
2155	M1O	04-215/22:12:47.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-215/21:50:55.2
2156	M1O	04-215/22:12:48.4		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-215/21:50:56.2
2157	M1O	04-215/22:12:49.4		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-215/21:50:57.2
2158	M1O	04-215/22:22:36.9		NOTE: Ascending Node Crossing 11690		04-215/22:00:44.6
2159	M1O	04-215/22:31:52.4		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-215/22:10:00.2
2160	M1O	04-215/22:31:53.4		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-215/22:10:01.2
2161	M1O	04-215/22:31:55.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-215/22:10:03.2
2162	M1O	04-215/22:31:56.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-215/22:10:04.3
2163	M1O	04-215/22:32:06.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-215/22:10:14.3
2164	M1O	04-215/22:32:07.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-215/22:10:15.3
2165	M1O	04-215/22:52:32.5		NOTE: North Pole Crossing 11690		04-215/22:30:40.2
2166	M1O	04-215/22:54:32.7		NOTE: Apoapsis 11690 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2183	M1O	04-215/23:22:31.7		NOTE: Descending Node Crossing 11691		04-215/23:00:39.4
2184	M1O	04-215/23:35:29.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-215/23:13:37.2
2185	M1O	04-215/23:35:30.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-215/23:13:38.3
2186	M1O	04-215/23:35:40.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-215/23:13:48.3
2187	M1O	04-215/23:35:41.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-215/23:13:49.3
2188	M1O	04-215/23:40:00.0	45	Begin Tracking		
2189	M1O	04-215/23:40:00.0	45	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2190	M1O	04-215/23:51:54.4		NOTE: South Pole Crossing 11691		04-215/23:30:02.1
2191	M1O	04-215/23:53:33.3		NOTE: Periapsis 11691		04-215/23:31:41.0

2192	M1O	04-216/00:00:00.0	26	End Tracking		
2193	M1O	04-216/00:00:00.0	26	End Post-Cal		
2194	M1O	04-216/00:00:00.0		Light Time: OWLT = 21:52, RTLT = 43:44		
2195	M1O	04-216/00:21:13.3		NOTE: Ascending Node Crossing 11691		04-215/23:59:21.0
2196	M1O	04-216/00:51:08.6		NOTE: North Pole Crossing 11691		04-216/00:29:16.2
2197	M1O	04-216/00:53:39.3		NOTE: Apoapsis 11691 - - -

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

2229	M1O	04-216/06:12:42.6		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-216/05:50:50.0
2230	M1O	04-216/06:12:44.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-216/05:50:52.1
2231	M1O	04-216/06:12:44.7	45	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2232	M1O	04-216/06:12:45.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-216/05:50:53.1
2233	M1O	04-216/06:13:45.2	45	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2234	M1O	04-216/06:16:51.4		NOTE: Ascending Node Crossing 11694		04-216/05:54:58.8
2235	M1O	04-216/06:18:44.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-216/05:56:52.1
2236	M1O	04-216/06:18:44.7	45	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2237	M1O	04-216/06:18:45.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-216/05:56:53.1
2238	M1O	04-216/06:46:45.9		NOTE: North Pole Crossing 11694		04-216/06:24:53.2
2239	M1O	04-216/06:48:58.7		NOTE: Apoapsis 11694 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				0x73636543,0x6F756E74,0x2C312C34,0x0000]		
2266	M1O	04-216/07:23:08.8		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-216/07:01:16.2
2267	M1O	04-216/07:23:38.8		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-216/07:01:46.2
2268	M1O	04-216/07:23:58.8		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-216/07:02:06.2
2269	M1O	04-216/07:24:08.8		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-216/07:02:16.2
2270	M1O	04-216/07:24:28.8		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-216/07:02:36.2
2271	M1O	04-216/07:24:38.8		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-216/07:02:46.2
2272	M1O	04-216/07:24:43.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-216/07:02:51.2
2273	M1O	04-216/07:24:48.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-216/07:02:56.2
2274	M1O	04-216/07:24:53.8		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-216/07:03:01.2
2275	M1O	04-216/07:24:58.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-216/07:03:06.2
2276	M1O	04-216/07:25:03.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-216/07:03:11.2
2277	M1O	04-216/07:25:43.8		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-216/07:03:51.2
2278	M1O	04-216/07:25:48.8		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-216/07:03:56.2
2279	M1O	04-216/07:25:53.8		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-216/07:04:01.2
2280	M1O	04-216/07:25:58.8		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-216/07:04:06.2
2281	M1O	04-216/07:26:03.8		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-216/07:04:11.2
2282	M1O	04-216/07:26:04.8		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-216/07:04:12.2
2283	M1O	04-216/07:26:05.8		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-216/07:04:13.2
2284	M1O	04-216/07:26:06.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-216/07:04:14.2
2285	M1O	04-216/07:26:17.8		NOTE: End Block fsw_diag.mod		04-216/07:04:25.2
2286	M1O	04-216/07:26:22.0	63	NOTE: Above Uplink Interlock Limit		
2287	M1O	04-216/07:30:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2288	M1O	04-216/07:31:44.0	45	NOTE: Below Uplink Interlock Limit		
2289	M1O	04-216/07:35:00.0	45	End Tracking		
2290	M1O	04-216/07:35:00.0	63	Range Modulation On: SUP=3.0dB		
2291	M1O	04-216/07:36:00.0	63	Begin Ranging Acquisition		
2292	M1O	04-216/07:46:05.3		NOTE: South Pole Crossing 11695		04-216/07:24:12.6
2293	M1O	04-216/07:47:24.2		NOTE: Periapsis 11695		04-216/07:25:31.5

2294	M1O	04-216/07:50:00.0	45	End Post-Cal		
2295	M1O	04-216/07:58:12.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2296	M1O	04-216/08:02:43.2		SPAWN, Engine = 65535, Parameters = 3, 00:16:00, 1	dpt	04-216/07:40:50.5
2297	M1O	04-216/08:02:45.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-216/07:40:52.6
2298	M1O	04-216/08:02:45.3	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		
2299	M1O	04-216/08:02:46.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-216/07:40:53.6
2300	M1O	04-216/08:03:45.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2301	M1O	04-216/08:08:12.0	63	Range Modulation Off		
2302	M1O	04-216/08:13:12.0	63	X-Band Transmitter Off		
2303	M1O	04-216/08:13:45.3	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2304	M1O	04-216/08:15:23.5		NOTE: Ascending Node Crossing 11695		04-216/07:53:30.7
2305	M1O	04-216/08:18:45.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-216/07:56:52.6
2306	M1O	04-216/08:18:45.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2307	M1O	04-216/08:18:46.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-216/07:56:53.6
2308	M1O	04-216/08:45:19.1		NOTE: North Pole Crossing 11695		04-216/08:23:26.3
2309	M1O	04-216/08:45:44.7		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-216/08:23:52.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2310	M1O	04-216/08:45:44.8		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-216/08:23:52.1
2311	M1O	04-216/08:45:45.8		Forces a desaturation of the reaction wheels.	RW_DESAT	04-216/08:23:53.1
2312	M1O	04-216/08:45:46.7		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	04-216/08:23:54.0
2313	M1O	04-216/08:46:02.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-214T08:23:54.100, 2004-216T08:23:54.100	PCKTS_RE_TX_TIME	04-216/08:24:09.8
2314	M1O	04-216/08:46:03.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-214T08:23:54.100, 2004-216T08:23:54.100	PCKTS_RE_TX_TIME	04-216/08:24:10.8
2315	M1O	04-216/08:46:04.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-214T08:23:54.100, 2004-216T08:23:54.100	PCKTS_RE_TX_TIME	04-216/08:24:11.8
2316	M1O	04-216/08:46:05.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-214T08:23:54.100, 2004-216T08:23:54.100	PCKTS_RE_TX_TIME	04-216/08:24:12.8
2317	M1O	04-216/08:46:06.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-214T08:23:54.100, 2004-216T08:23:54.100	PCKTS_RE_TX_TIME	04-216/08:24:13.8
2318	M1O	04-216/08:46:07.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-214T08:23:54.100, 2004-216T08:23:54.100	PCKTS_RE_TX_TIME	04-216/08:24:14.8
2319	M1O	04-216/08:46:07.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-216/08:24:14.8
2320	M1O	04-216/08:46:07.5	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2321	M1O	04-216/08:47:37.4		NOTE: Apoapsis 11695 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2349	M1O	04-216/09:45:19.7		GV: GV_DESAT_ACTIVE = 0		04-216/09:23:27.0
2350	M1O	04-216/09:45:20.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-216/09:23:28.0
2351	M1O	04-216/09:45:21.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-216/09:23:29.0
2352	M1O	04-216/09:45:22.7		CALL, Engine = , Parameters =	unpark_hga	04-216/09:23:30.0
2353	M1O	04-216/09:45:22.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-216/09:23:30.0
2354	M1O	04-216/09:45:23.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-216/09:23:31.0
2355	M1O	04-216/09:46:06.1		NOTE: Periapsis 11696 ----------		04-216/09:24:13.3
2356	M1O	04-216/09:49:53.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-216/09:28:01.0
2357	M1O	04-216/09:49:54.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-216/09:28:02.0
2358	M1O	04-216/09:53:15.3		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-216/09:31:22.5
2359	M1O	04-216/09:53:15.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-216/09:31:22.6
2360	M1O	04-216/09:53:16.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-216/09:31:23.6
2361	M1O	04-216/09:53:17.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-216/09:31:24.6
2362	M1O	04-216/09:53:18.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-216/09:31:25.6
2363	M1O	04-216/09:53:19.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-216/09:31:26.6
2364	M1O	04-216/09:53:29.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-216/09:31:36.6
2365	M1O	04-216/09:53:39.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-216/09:31:46.6
2366	M1O	04-216/09:53:54.7		NOTE: EXIT HGA PARK		
2367	M1O	04-216/09:53:54.7	63	Acquisition Of X-Band Signal		
2368	M1O	04-216/09:53:54.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2369	M1O	04-216/10:00:39.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-216/09:38:46.6
2370	M1O	04-216/10:00:40.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-216/09:38:47.6
2371	M1O	04-216/10:00:40.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2372	M1O	04-216/10:00:41.4		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-216/09:38:48.6
2373	M1O	04-216/10:13:58.1		NOTE: Ascending Node Crossing 11696		04-216/09:52:05.3
2374	M1O	04-216/10:43:54.7		NOTE: North Pole Crossing 11696		04-216/10:22:01.9
2375	M1O	04-216/10:46:06.4		NOTE: Apoapsis 11696 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2390	M1O	04-216/11:04:35.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 256_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-216/10:42:42.2
2391	M1O	04-216/11:04:36.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-216/10:42:43.2
2392	M1O	04-216/11:04:37.0		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-216/10:42:44.2
2393	M1O	04-216/11:04:38.0		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-216/10:42:45.2
2394	M1O	04-216/11:13:55.2		NOTE: Descending Node Crossing 11697		04-216/10:52:02.4
2395	M1O	04-216/11:23:54.0		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-216/11:02:01.2
2396	M1O	04-216/11:23:55.0		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-216/11:02:02.2
2397	M1O	04-216/11:23:57.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-216/11:02:04.2
2398	M1O	04-216/11:23:58.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-216/11:02:05.3
2399	M1O	04-216/11:24:08.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-216/11:02:15.3
2400	M1O	04-216/11:24:09.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-216/11:02:16.3
2401	M1O	04-216/11:43:16.7		NOTE: South Pole Crossing 11697		04-216/11:21:23.8
2402	M1O	04-216/11:44:42.3		NOTE: Periapsis 11697 ----------		04-216/11:22:49.4
2403	M1O	04-216/12:12:34.3		NOTE: Ascending Node Crossing 11697		04-216/11:50:41.4
2404	M1O	04-216/12:42:30.9		NOTE: North Pole Crossing 11697		04-216/12:20:38.0
2405	M1O	04-216/12:44:29.0		NOTE: Apoapsis 11697 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				-		
2429	M1O	04-216/16:50:00.0	15	Begin Pre-Cal		
2430	M1O	04-216/16:50:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2431	M1O	04-216/16:50:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2432	M1O	04-216/16:50:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2433	M1O	04-216/16:50:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2434	M1O	04-216/16:50:00.0	15	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
2435	M1O	04-216/16:50:00.0	15	Config: RCV: Parms:		
2436	M1O	04-216/16:50:00.0	15	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
2437	M1O	04-216/16:50:00.0	15	Config: TGC: BAND=X, SR=238896.000000		
2438	M1O	04-216/16:50:00.0	15	Config: TXL		
2439	M1O	04-216/16:50:00.0	15	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2440	M1O	04-216/16:50:00.0	15	Config: CMD		
2441	M1O	04-216/16:50:00.0	15	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2442	M1O	04-216/17:09:36.7		NOTE: Descending Node Crossing 11700		04-216/16:47:43.6
2443	M1O	04-216/17:38:57.4		NOTE: South Pole Crossing 11700		04-216/17:17:04.2
2444	M1O	04-216/17:40:20.8		NOTE: Periapsis 11700		04-216/17:18:27.6

2445	M1O	04-216/18:08:14.5		NOTE: Ascending Node Crossing 11700		04-216/17:46:21.3
2446	M1O	04-216/18:32:42.0	63	NOTE: Below Uplink Interlock Limit		
2447	M1O	04-216/18:38:09.3		NOTE: North Pole Crossing 11700		04-216/18:16:16.1
2448	M1O	04-216/18:40:08.3		NOTE: Apoapsis 11700 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2473	M1O	04-216/19:37:27.9		NOTE: South Pole Crossing 11701		04-216/19:15:34.6
2474	M1O	04-216/19:38:31.0		NOTE: Periapsis 11701		04-216/19:16:37.8

2475	M1O	04-216/19:39:46.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-216/19:17:53.2
2476	M1O	04-216/19:39:46.4	15	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2477	M1O	04-216/19:39:47.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-216/19:17:54.2
2478	M1O	04-216/20:06:45.4		NOTE: Ascending Node Crossing 11701		04-216/19:44:52.1
2479	M1O	04-216/20:36:41.4		NOTE: North Pole Crossing 11701		04-216/20:14:48.1
2480	M1O	04-216/20:38:19.1		NOTE: Apoapsis 11701 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
2514	M1O	04-216/22:43:45.6	15	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2515	M1O	04-216/22:48:45.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-216/22:26:52.2
2516	M1O	04-216/22:48:45.6	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2517	M1O	04-216/22:48:46.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-216/22:26:53.2
2518	M1O	04-216/22:50:00.0	43	Begin Pre-Cal		
2519	M1O	04-216/22:50:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2520	M1O	04-216/22:50:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2521	M1O	04-216/22:50:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2522	M1O	04-216/22:50:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2523	M1O	04-216/22:50:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
2524	M1O	04-216/22:50:00.0	43	Config: RCV: Parms:		
2525	M1O	04-216/22:50:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
2526	M1O	04-216/22:50:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
2527	M1O	04-216/22:50:00.0	43	Config: TXL		
2528	M1O	04-216/22:50:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2529	M1O	04-216/22:50:00.0	43	Config: CMD		
2530	M1O	04-216/22:50:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2531	M1O	04-216/22:58:16.3		SPAWN, Engine = 65535, Parameters = 216, 03, FALSE, 00:19:23, 254, TRUE, 256_KPS, 00:06:00, 00:00:00	uhf	04-216/22:36:23.0
2532	M1O	04-216/22:58:17.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-216/22:36:24.1
2533	M1O	04-216/22:58:19.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-216/22:36:26.1
2534	M1O	04-216/22:59:02.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-216/22:37:09.4
2535	M1O	04-216/22:59:02.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-216/22:37:09.6
2536	M1O	04-216/22:59:04.0		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-216/22:37:10.7
2537	M1O	04-216/22:59:05.3		CALL, Engine = , Parameters = 254	get_coding	04-216/22:37:12.0
2538	M1O	04-216/22:59:06.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-216/22:37:13.2
2539	M1O	04-216/22:59:07.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-216/22:37:14.4
2540	M1O	04-216/23:00:12.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-216/22:38:19.2
2541	M1O	04-216/23:00:13.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-216/22:38:20.2
2542	M1O	04-216/23:00:14.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-216/22:38:21.2
2543	M1O	04-216/23:00:15.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-216/22:38:22.2
2544	M1O	04-216/23:00:16.5		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-216/22:38:23.2
2545	M1O	04-216/23:00:17.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 256_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-216/22:38:24.2
2546	M1O	04-216/23:00:18.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-216/22:38:25.2
2547	M1O	04-216/23:00:19.5		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-216/22:38:26.2
2548	M1O	04-216/23:00:20.5		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-216/22:38:27.2
2549	M1O	04-216/23:05:15.8		NOTE: Descending Node Crossing 11703		04-216/22:43:22.4
2550	M1O	04-216/23:19:36.6		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-216/22:57:43.2
2551	M1O	04-216/23:19:37.6		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-216/22:57:44.2
2552	M1O	04-216/23:19:39.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-216/22:57:46.2
2553	M1O	04-216/23:19:40.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-216/22:57:47.3
2554	M1O	04-216/23:19:50.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-216/22:57:57.3
2555	M1O	04-216/23:19:51.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-216/22:57:58.3
2556	M1O	04-216/23:34:38.4		NOTE: South Pole Crossing 11703		04-216/23:12:45.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2557	M1O	04-216/23:36:08.5		NOTE: Periapsis 11703 ----------		04-216/23:14:15.1
2558	M1O	04-216/23:52:00.4		SPAWN, Engine = 65535, Parameters = 216, 04, FALSE, 00:18:03, 253, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-216/23:30:07.0
2559	M1O	04-216/23:52:01.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-216/23:30:08.1
2560	M1O	04-216/23:52:03.5		CALL, Engine = , Parameters = 253	get_cmd_opt	04-216/23:30:10.1
2561	M1O	04-216/23:52:46.8		CALL, Engine = , Parameters = 253	get_rcv_mode	04-216/23:30:53.4
2562	M1O	04-216/23:52:47.0		CALL, Engine = , Parameters = 253	get_dl_rate	04-216/23:30:53.6
2563	M1O	04-216/23:52:48.1		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	04-216/23:30:54.7
2564	M1O	04-216/23:52:49.4		CALL, Engine = , Parameters = 253	get_coding	04-216/23:30:56.0
2565	M1O	04-216/23:52:50.6		CALL, Engine = , Parameters = 253	get_xmt_mode	04-216/23:30:57.2
2566	M1O	04-216/23:52:51.8		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-216/23:30:58.4
2567	M1O	04-216/23:53:56.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-216/23:32:03.2
2568	M1O	04-216/23:53:57.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-216/23:32:04.2
2569	M1O	04-216/23:53:58.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-216/23:32:05.2
2570	M1O	04-216/23:53:59.6		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-216/23:32:06.2
2571	M1O	04-216/23:54:00.6		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-216/23:32:07.2
2572	M1O	04-216/23:54:01.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-216/23:32:08.2
2573	M1O	04-216/23:54:02.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-216/23:32:09.2
2574	M1O	04-217/00:00:00.0		Light Time: OWLT = 21:53, RTLT = 43:46		
2575	M1O	04-217/00:03:57.4		NOTE: Ascending Node Crossing 11703		04-216/23:42:03.9
2576	M1O	04-217/00:12:01.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-216/23:50:08.2
2577	M1O	04-217/00:12:02.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-216/23:50:09.3
2578	M1O	04-217/00:12:12.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-216/23:50:19.3
2579	M1O	04-217/00:12:13.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-216/23:50:20.3
2580	M1O	04-217/00:33:52.7		NOTE: North Pole Crossing 11703		04-217/00:11:59.3
2581	M1O	04-217/00:33:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-217/00:12:04.5
2582	M1O	04-217/00:34:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-217/00:12:06.6
2583	M1O	04-217/00:34:00.1	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2584	M1O	04-217/00:34:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-217/00:12:07.6
2585	M1O	04-217/00:35:00.0	43	Begin Tracking		
2586	M1O	04-217/00:35:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2587	M1O	04-217/00:35:00.0		NOTE: Changing to 70M downlink rate: 39816_BPS		04-217/00:13:06.5
2588	M1O	04-217/00:35:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-217/00:13:06.5
2589	M1O	04-217/00:35:00.0	15	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2590	M1O	04-217/00:35:00.0	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2591	M1O	04-217/00:36:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2592	M1O	04-217/00:36:17.8		NOTE: Apoapsis 11703 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2598	M1O	04-217/00:42:00.0	43	Begin Ranging Acquisition		
2599	M1O	04-217/00:55:00.0	15	End Tracking		
2600	M1O	04-217/01:03:52.1		NOTE: Descending Node Crossing 11704		04-217/00:41:58.7
2601	M1O	04-217/01:10:00.0	15	End Post-Cal		
2602	M1O	04-217/01:18:44.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-217/00:56:51.3
2603	M1O	04-217/01:18:46.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-217/00:56:53.4
2604	M1O	04-217/01:18:46.9	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2605	M1O	04-217/01:18:47.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-217/00:56:54.4
2606	M1O	04-217/01:19:46.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2607	M1O	04-217/01:24:46.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-217/01:02:53.4
2608	M1O	04-217/01:24:46.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2609	M1O	04-217/01:24:47.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-217/01:02:54.4
2610	M1O	04-217/01:33:14.8		NOTE: South Pole Crossing 11704		04-217/01:11:21.3
2611	M1O	04-217/01:35:06.8		NOTE: Periapsis 11704 ----------		04-217/01:13:13.3
2612	M1O	04-217/02:02:33.0		NOTE: Ascending Node Crossing 11704		04-217/01:40:39.5
2613	M1O	04-217/02:19:59.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2614	M1O	04-217/02:29:59.0	43	Range Modulation Off		
2615	M1O	04-217/02:32:28.3		NOTE: North Pole Crossing 11704		04-217/02:10:34.7
2616	M1O	04-217/02:34:59.0	43	X-Band Transmitter Off		
2617	M1O	04-217/02:35:07.8		NOTE: Apoapsis 11704 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2641	M1O	04-217/04:25:00.0	65	Config: CMD		
2642	M1O	04-217/04:25:00.0	65	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2643	M1O	04-217/04:31:01.5		NOTE: North Pole Crossing 11705		04-217/04:09:07.9
2644	M1O	04-217/04:33:26.6		NOTE: Apoapsis 11705 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2683	M1O	04-217/07:27:18.9		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-217/07:05:25.2
2684	M1O	04-217/07:27:19.9		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-217/07:05:26.2
2685	M1O	04-217/07:27:20.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-217/07:05:27.2
2686	M1O	04-217/07:27:31.9		NOTE: End Block fsw_diag.mod		04-217/07:05:38.2
2687	M1O	04-217/07:28:51.2		NOTE: South Pole Crossing 11707		04-217/07:06:57.5
2688	M1O	04-217/07:30:00.0	65	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2689	M1O	04-217/07:30:10.3		NOTE: Periapsis 11707		04-217/07:08:16.5

2690	M1O	04-217/07:32:38.0	43	NOTE: Below Uplink Interlock Limit		
2691	M1O	04-217/07:35:00.0	65	Range Modulation On: SUP=3.0dB		
2692	M1O	04-217/07:36:00.0	65	Begin Ranging Acquisition		
2693	M1O	04-217/07:40:57.0	65	NOTE: X-Band Transmitter Off in 15 minutes		
2694	M1O	04-217/07:43:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-217/07:22:04.2
2695	M1O	04-217/07:44:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-217/07:22:06.3
2696	M1O	04-217/07:44:00.1	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2697	M1O	04-217/07:44:00.1	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2698	M1O	04-217/07:44:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-217/07:22:07.3
2699	M1O	04-217/07:45:00.0	43	End Tracking		
2700	M1O	04-217/07:45:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-217/07:23:06.2
2701	M1O	04-217/07:45:00.0		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	04-217/07:23:06.2
2702	M1O	04-217/07:45:00.0	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2703	M1O	04-217/07:50:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-217/07:28:06.3
2704	M1O	04-217/07:50:00.1	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2705	M1O	04-217/07:50:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-217/07:28:07.3
2706	M1O	04-217/07:50:57.0	65	Range Modulation Off		
2707	M1O	04-217/07:55:57.0	65	X-Band Transmitter Off		
2708	M1O	04-217/07:58:08.8		NOTE: Ascending Node Crossing 11707		04-217/07:36:15.0
2709	M1O	04-217/08:00:00.0	43	End Post-Cal		
2710	M1O	04-217/08:12:45.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-217/07:50:51.6
2711	M1O	04-217/08:12:47.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-217/07:50:53.7
2712	M1O	04-217/08:12:47.5	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2713	M1O	04-217/08:12:48.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-217/07:50:54.7
2714	M1O	04-217/08:13:47.5	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2715	M1O	04-217/08:18:47.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-217/07:56:53.7
2716	M1O	04-217/08:18:47.5	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2717	M1O	04-217/08:18:48.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-217/07:56:54.7
2718	M1O	04-217/08:28:03.6		NOTE: North Pole Crossing 11707		04-217/08:06:09.8
2719	M1O	04-217/08:28:30.8		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-217/08:06:37.0
2720	M1O	04-217/08:28:30.9		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-217/08:06:37.1
2721	M1O	04-217/08:28:31.9		Forces a desaturation of the reaction wheels.	RW_DESAT	04-217/08:06:38.1
2722	M1O	04-217/08:28:33.8		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	04-217/08:06:40.0
2723	M1O	04-217/08:28:49.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-215T08:06:40.100, 2004-217T08:06:40.100	PCKTS_RE_TX_TIME	04-217/08:06:55.8
2724	M1O	04-217/08:28:50.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-215T08:06:40.100, 2004-217T08:06:40.100	PCKTS_RE_TX_TIME	04-217/08:06:56.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2725	M1O	04-217/08:28:51.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-215T08:06:40.100, 2004-217T08:06:40.100	PCKTS_RE_TX_TIME	04-217/08:06:57.8
2726	M1O	04-217/08:28:52.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-215T08:06:40.100, 2004-217T08:06:40.100	PCKTS_RE_TX_TIME	04-217/08:06:58.8
2727	M1O	04-217/08:28:53.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-215T08:06:40.100, 2004-217T08:06:40.100	PCKTS_RE_TX_TIME	04-217/08:06:59.8
2728	M1O	04-217/08:28:54.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-215T08:06:40.100, 2004-217T08:06:40.100	PCKTS_RE_TX_TIME	04-217/08:07:00.8
2729	M1O	04-217/08:28:54.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-217/08:07:00.8
2730	M1O	04-217/08:28:54.6	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2731	M1O	04-217/08:30:19.0		NOTE: Apoapsis 11707 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2764	M1O	04-217/09:28:09.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-217/09:06:16.0
2765	M1O	04-217/09:28:45.0		NOTE: Periapsis 11708 ----------		04-217/09:06:51.2
2766	M1O	04-217/09:32:39.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-217/09:10:46.0
2767	M1O	04-217/09:32:40.8		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-217/09:10:47.0
2768	M1O	04-217/09:36:02.5		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-217/09:14:08.6
2769	M1O	04-217/09:36:02.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-217/09:14:08.7
2770	M1O	04-217/09:36:03.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-217/09:14:09.7
2771	M1O	04-217/09:36:04.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-217/09:14:10.7
2772	M1O	04-217/09:36:05.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-217/09:14:11.7
2773	M1O	04-217/09:36:06.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-217/09:14:12.7
2774	M1O	04-217/09:36:16.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-217/09:14:22.7
2775	M1O	04-217/09:36:26.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-217/09:14:32.7
2776	M1O	04-217/09:36:40.8		NOTE: EXIT HGA PARK		
2777	M1O	04-217/09:36:40.8	65	Acquisition Of X-Band Signal		
2778	M1O	04-217/09:36:40.8	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2779	M1O	04-217/09:43:26.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-217/09:21:32.7
2780	M1O	04-217/09:43:27.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-217/09:21:33.7
2781	M1O	04-217/09:43:27.6	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2782	M1O	04-217/09:43:28.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-217/09:21:34.7
2783	M1O	04-217/09:56:42.1		NOTE: Ascending Node Crossing 11708		04-217/09:34:48.3
2784	M1O	04-217/10:26:38.3		NOTE: North Pole Crossing 11708		04-217/10:04:44.4
2785	M1O	04-217/10:28:52.0		NOTE: Apoapsis 11708 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2804	M1O	04-217/11:06:41.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-217/10:44:47.3
2805	M1O	04-217/11:06:51.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-217/10:44:57.3
2806	M1O	04-217/11:06:52.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-217/10:44:58.3
2807	M1O	04-217/11:14:59.0	65	NOTE: X-Band Transmitter Off in 15 minutes		
2808	M1O	04-217/11:24:59.0	65	Range Modulation Off		
2809	M1O	04-217/11:25:59.7		NOTE: South Pole Crossing 11709		04-217/11:04:05.8
2810	M1O	04-217/11:27:25.3		NOTE: Periapsis 11709		04-217/11:05:31.3

2811	M1O	04-217/11:29:59.0	65	X-Band Transmitter Off		
2812	M1O	04-217/11:38:55.9		SPAWN, Engine = 65535, Parameters = 217, 02, FALSE, 00:19:07, 254, TRUE, 256_KPS, 00:06:00, 00:00:00	uhf	04-217/11:17:02.0
2813	M1O	04-217/11:38:57.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-217/11:17:03.1
2814	M1O	04-217/11:38:59.0		CALL, Engine = , Parameters = 254	get_cmd_opt	04-217/11:17:05.1
2815	M1O	04-217/11:39:42.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-217/11:17:48.4
2816	M1O	04-217/11:39:42.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-217/11:17:48.6
2817	M1O	04-217/11:39:43.6		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-217/11:17:49.7
2818	M1O	04-217/11:39:44.9		CALL, Engine = , Parameters = 254	get_coding	04-217/11:17:51.0
2819	M1O	04-217/11:39:46.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-217/11:17:52.2
2820	M1O	04-217/11:39:47.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-217/11:17:53.4
2821	M1O	04-217/11:40:52.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-217/11:18:58.2
2822	M1O	04-217/11:40:53.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-217/11:18:59.2
2823	M1O	04-217/11:40:54.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-217/11:19:00.2
2824	M1O	04-217/11:40:55.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-217/11:19:01.2
2825	M1O	04-217/11:40:56.1		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-217/11:19:02.2
2826	M1O	04-217/11:40:57.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 256_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-217/11:19:03.2
2827	M1O	04-217/11:40:58.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-217/11:19:04.2
2828	M1O	04-217/11:40:59.1		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-217/11:19:05.2
2829	M1O	04-217/11:41:00.1		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-217/11:19:06.2
2830	M1O	04-217/11:55:17.7		NOTE: Ascending Node Crossing 11709		04-217/11:33:23.7
2831	M1O	04-217/12:00:00.1		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-217/11:38:06.2
2832	M1O	04-217/12:00:01.1		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-217/11:38:07.2
2833	M1O	04-217/12:00:03.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-217/11:38:09.2
2834	M1O	04-217/12:00:04.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-217/11:38:10.3
2835	M1O	04-217/12:00:14.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-217/11:38:20.3
2836	M1O	04-217/12:00:15.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-217/11:38:21.3
2837	M1O	04-217/12:12:44.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-217/11:50:50.3
2838	M1O	04-217/12:12:46.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-217/11:50:52.4
2839	M1O	04-217/12:12:46.4	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2840	M1O	04-217/12:12:47.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-217/11:50:53.4
2841	M1O	04-217/12:13:46.8	65	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2842	M1O	04-217/12:18:46.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-217/11:56:52.4
2843	M1O	04-217/12:18:46.4	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2844	M1O	04-217/12:18:47.4		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-217/11:56:53.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
2845	M1O	04-217/12:25:14.3		NOTE: North Pole Crossing 11709		04-217/12:03:20.4
2846	M1O	04-217/12:27:19.0		NOTE: Apoapsis 11709 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2887	M1O	04-217/18:50:53.4		NOTE: Descending Node Crossing 11713		04-217/18:28:59.1
2888	M1O	04-217/19:20:13.5		NOTE: South Pole Crossing 11713		04-217/18:58:19.3
2889	M1O	04-217/19:21:27.6		NOTE: Periapsis 11713		04-217/18:59:33.3

2890	M1O	04-217/19:49:30.6		NOTE: Ascending Node Crossing 11713		04-217/19:27:36.3
2891	M1O	04-217/20:19:26.1		NOTE: North Pole Crossing 11713		04-217/19:57:31.8
2892	M1O	04-217/20:20:00.0	43	Begin Pre-Cal		
2893	M1O	04-217/20:20:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2894	M1O	04-217/20:20:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2895	M1O	04-217/20:20:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2896	M1O	04-217/20:20:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2897	M1O	04-217/20:20:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
2898	M1O	04-217/20:20:00.0	43	Config: RCV: Parms:		
2899	M1O	04-217/20:20:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
2900	M1O	04-217/20:20:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
2901	M1O	04-217/20:20:00.0	43	Config: TXL		
2902	M1O	04-217/20:20:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2903	M1O	04-217/20:20:00.0	43	Config: CMD		
2904	M1O	04-217/20:20:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2905	M1O	04-217/20:21:12.3		NOTE: Apoapsis 11713 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2930	M1O	04-217/22:35:00.0	25	Range Modulation Off		
2931	M1O	04-217/22:35:00.1		NOTE: Changing to 70M downlink rate: 39816_BPS		04-217/22:13:05.7
2932	M1O	04-217/22:35:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-217/22:13:05.7
2933	M1O	04-217/22:35:00.1	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2934	M1O	04-217/22:35:00.1	43	D/L Change: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2935	M1O	04-217/22:38:40.0	43	NOTE: Above Uplink Interlock Limit		
2936	M1O	04-217/22:40:00.0	43	U/L Transfer From DSS-25 to DSS-43: PWR=20.0, BR=125.0		
2937	M1O	04-217/22:40:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-217/22:18:05.8
2938	M1O	04-217/22:40:00.2	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2939	M1O	04-217/22:40:00.2	43	D/L Change: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2940	M1O	04-217/22:40:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-217/22:18:06.8
2941	M1O	04-217/22:42:56.4		SPAWN, Engine = 65535, Parameters = 217, 03, FALSE, 00:16:55, 254, FALSE, 128_KPS, 00:06:00, 00:00:00	uhf	04-217/22:21:02.0
2942	M1O	04-217/22:42:57.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-217/22:21:03.1
2943	M1O	04-217/22:42:59.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-217/22:21:05.1
2944	M1O	04-217/22:43:42.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-217/22:21:48.4
2945	M1O	04-217/22:43:43.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-217/22:21:48.6
2946	M1O	04-217/22:43:44.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-217/22:21:49.7
2947	M1O	04-217/22:43:45.4		CALL, Engine = , Parameters = 254	get_coding	04-217/22:21:51.0
2948	M1O	04-217/22:43:46.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-217/22:21:52.2
2949	M1O	04-217/22:43:47.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-217/22:21:53.4
2950	M1O	04-217/22:44:52.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-217/22:22:58.2
2951	M1O	04-217/22:44:53.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-217/22:22:59.2
2952	M1O	04-217/22:44:54.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-217/22:23:00.2
2953	M1O	04-217/22:44:55.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-217/22:23:01.2
2954	M1O	04-217/22:44:56.6		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-217/22:23:02.2
2955	M1O	04-217/22:44:57.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-217/22:23:03.2
2956	M1O	04-217/22:44:58.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-217/22:23:04.2
2957	M1O	04-217/22:45:00.0	43	Range Modulation On: SUP=3.0dB		
2958	M1O	04-217/22:46:00.0	43	Begin Ranging Acquisition		
2959	M1O	04-217/22:47:59.2		NOTE: Descending Node Crossing 11715		04-217/22:26:04.8
2960	M1O	04-217/22:55:00.0	25	End Tracking		
2961	M1O	04-217/22:55:00.0	25	End Post-Cal		
2962	M1O	04-217/23:01:49.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-217/22:39:55.2
2963	M1O	04-217/23:01:50.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-217/22:39:56.3
2964	M1O	04-217/23:02:00.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-217/22:40:06.3
2965	M1O	04-217/23:02:01.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-217/22:40:07.3
2966	M1O	04-217/23:17:21.1		NOTE: South Pole Crossing 11715		04-217/22:55:26.6
2967	M1O	04-217/23:18:31.3		NOTE: Periapsis 11715		04-217/22:56:36.9

2968	M1O	04-217/23:23:48.8	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2969	M1O	04-217/23:34:41.4		SPAWN, Engine = 65535, Parameters = 217, 03, FALSE, 00:19:16, 253, TRUE, 128_KPS, 00:06:00, 00:00:00	uhf	04-217/23:12:47.0
2970	M1O	04-217/23:34:42.5		Passes the specified amount of data, data size parameter, through the PACI interface.:	GRS_PASS_THROUGH	04-217/23:12:48.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000		
2971	M1O	04-217/23:34:44.5		CALL, Engine = , Parameters = 253	get_cmd_opt	04-217/23:12:50.1
2972	M1O	04-217/23:35:27.8		CALL, Engine = , Parameters = 253	get_rcv_mode	04-217/23:13:33.4
2973	M1O	04-217/23:35:28.0		CALL, Engine = , Parameters = 253	get_dl_rate	04-217/23:13:33.6
2974	M1O	04-217/23:35:29.1		CALL, Engine = , Parameters = 253, TRUE	get_modulatn	04-217/23:13:34.7
2975	M1O	04-217/23:35:30.4		CALL, Engine = , Parameters = 253	get_coding	04-217/23:13:36.0
2976	M1O	04-217/23:35:31.6		CALL, Engine = , Parameters = 253	get_xmt_mode	04-217/23:13:37.2
2977	M1O	04-217/23:35:32.8		CALL, Engine = , Parameters = 253	get_cmd_beacon	04-217/23:13:38.4
2978	M1O	04-217/23:36:37.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-217/23:14:43.2
2979	M1O	04-217/23:36:38.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-217/23:14:44.2
2980	M1O	04-217/23:36:39.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-217/23:14:45.2
2981	M1O	04-217/23:36:40.6		Selects receiving spacecraft ID.: 253	UHF_SC_ID	04-217/23:14:46.2
2982	M1O	04-217/23:36:41.6		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	04-217/23:14:47.2
2983	M1O	04-217/23:36:42.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 128_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-217/23:14:48.2
2984	M1O	04-217/23:36:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-217/23:14:49.2
2985	M1O	04-217/23:36:44.6		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-217/23:14:50.2
2986	M1O	04-217/23:36:45.6		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-217/23:14:51.2
2987	M1O	04-217/23:46:39.9		NOTE: Ascending Node Crossing 11715		04-217/23:24:45.5
2988	M1O	04-217/23:55:54.6		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-217/23:34:00.2
2989	M1O	04-217/23:55:55.6		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-217/23:34:01.2
2990	M1O	04-217/23:55:57.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-217/23:34:03.2
2991	M1O	04-217/23:55:58.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-217/23:34:04.3
2992	M1O	04-217/23:56:08.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-217/23:34:14.3
2993	M1O	04-217/23:56:09.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-217/23:34:15.3
2994	M1O	04-218/00:00:00.0		Light Time: OWLT = 21:54, RTLT = 43:48		
2995	M1O	04-218/00:16:35.8		NOTE: North Pole Crossing 11715		04-217/23:54:41.3
2996	M1O	04-218/00:18:34.1		NOTE: Apoapsis 11715 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3013	M1O	04-218/03:57:48.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3014	M1O	04-218/03:57:49.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-218/03:35:54.5
3015	M1O	04-218/03:58:48.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3016	M1O	04-218/04:03:48.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-218/03:41:53.5
3017	M1O	04-218/04:03:48.1	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3018	M1O	04-218/04:03:49.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-218/03:41:54.5
3019	M1O	04-218/04:13:46.6		NOTE: North Pole Crossing 11717		04-218/03:51:51.9
3020	M1O	04-218/04:16:13.8		NOTE: Apoapsis 11717 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3053	M1O	04-218/07:24:10.9		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-218/07:02:16.2
3054	M1O	04-218/07:24:30.9		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-218/07:02:36.2
3055	M1O	04-218/07:24:40.9		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-218/07:02:46.2
3056	M1O	04-218/07:24:46.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-218/07:02:51.2
3057	M1O	04-218/07:24:51.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-218/07:02:56.2
3058	M1O	04-218/07:24:56.0		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-218/07:03:01.2
3059	M1O	04-218/07:25:00.0	65	Begin Tracking		
3060	M1O	04-218/07:25:00.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3061	M1O	04-218/07:25:01.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-218/07:03:06.2
3062	M1O	04-218/07:25:06.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-218/07:03:11.2
3063	M1O	04-218/07:25:24.0	65	NOTE: Above Uplink Interlock Limit		
3064	M1O	04-218/07:25:46.0		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-218/07:03:51.2
3065	M1O	04-218/07:25:51.0		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-218/07:03:56.2
3066	M1O	04-218/07:25:56.0		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-218/07:04:01.2
3067	M1O	04-218/07:26:01.0		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-218/07:04:06.2
3068	M1O	04-218/07:26:06.0		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-218/07:04:11.2
3069	M1O	04-218/07:26:07.0		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-218/07:04:12.2
3070	M1O	04-218/07:26:08.0		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-218/07:04:13.2
3071	M1O	04-218/07:26:09.0		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-218/07:04:14.2
3072	M1O	04-218/07:26:20.0		NOTE: End Block fsw_diag.mod		04-218/07:04:25.2
3073	M1O	04-218/07:31:54.0	43	NOTE: Below Uplink Interlock Limit		
3074	M1O	04-218/07:40:54.6		NOTE: Ascending Node Crossing 11719		04-218/07:18:59.8
3075	M1O	04-218/07:43:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-218/07:22:03.2
3076	M1O	04-218/07:44:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-218/07:22:05.3
3077	M1O	04-218/07:44:00.1	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3078	M1O	04-218/07:44:00.1	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3079	M1O	04-218/07:44:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-218/07:22:06.3
3080	M1O	04-218/07:45:00.0	43	End Tracking		
3081	M1O	04-218/07:45:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-218/07:23:05.2
3082	M1O	04-218/07:45:00.0		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	04-218/07:23:05.2
3083	M1O	04-218/07:45:00.0	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3084	M1O	04-218/07:50:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-218/07:28:05.3
3085	M1O	04-218/07:50:00.1	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3086	M1O	04-218/07:50:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-218/07:28:06.3
3087	M1O	04-218/08:00:00.0	43	End Post-Cal		
3088	M1O	04-218/08:10:49.3		NOTE: North Pole Crossing 11719		04-218/07:48:54.5
3089	M1O	04-218/08:11:17.8		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-218/07:49:23.0
3090	M1O	04-218/08:11:17.9		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-218/07:49:23.1
3091	M1O	04-218/08:11:18.9		Forces a desaturation of the reaction wheels.	RW_DESAT	04-218/07:49:24.1
3092	M1O	04-218/08:11:40.8		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, TRUE	cend	04-218/07:49:46.0
3093	M1O	04-218/08:11:56.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-216T07:49:46.100, 2004-218T07:49:46.100	PCKTS_RE_TX_TIME	04-218/07:50:01.8
3094	M1O	04-218/08:11:57.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-216T07:49:46.100, 2004-218T07:49:46.100	PCKTS_RE_TX_TIME	04-218/07:50:02.8
3095	M1O	04-218/08:11:58.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-216T07:49:46.100, 2004-218T07:49:46.100	PCKTS_RE_TX_TIME	04-218/07:50:03.8
3096	M1O	04-218/08:11:59.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-216T07:49:46.100, 2004-218T07:49:46.100	PCKTS_RE_TX_TIME	04-218/07:50:04.8
3097	M1O	04-218/08:12:00.6		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	04-218/07:50:05.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 3, 2004-216T07:49:46.100, 2004-218T07:49:46.100		
3098	M1O	04-218/08:12:01.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-216T07:49:46.100, 2004-218T07:49:46.100	PCKTS_RE_TX_TIME	04-218/07:50:06.8
3099	M1O	04-218/08:12:01.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-218/07:50:06.8
3100	M1O	04-218/08:12:01.6	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3101	M1O	04-218/08:12:59.7		NOTE: Apoapsis 11719 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/sam_ga_hga_vts.cfg,		
3137	M1O	04-218/09:15:27.8		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-218/08:53:33.0
3138	M1O	04-218/09:18:50.5		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-218/08:56:55.6
3139	M1O	04-218/09:18:50.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-218/08:56:55.7
3140	M1O	04-218/09:18:51.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-218/08:56:56.7
3141	M1O	04-218/09:18:52.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-218/08:56:57.7
3142	M1O	04-218/09:18:53.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-218/08:56:58.7
3143	M1O	04-218/09:18:54.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-218/08:56:59.7
3144	M1O	04-218/09:19:04.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-218/08:57:09.7
3145	M1O	04-218/09:19:14.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-218/08:57:19.7
3146	M1O	04-218/09:19:27.8		NOTE: EXIT HGA PARK		
3147	M1O	04-218/09:19:27.8	65	Acquisition Of X-Band Signal		
3148	M1O	04-218/09:19:27.8	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3149	M1O	04-218/09:26:14.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-218/09:04:19.7
3150	M1O	04-218/09:26:15.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-218/09:04:20.7
3151	M1O	04-218/09:26:15.6	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3152	M1O	04-218/09:26:16.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-218/09:04:21.7
3153	M1O	04-218/09:39:26.8		NOTE: Ascending Node Crossing 11720		04-218/09:17:31.9
3154	M1O	04-218/10:09:22.7		NOTE: North Pole Crossing 11720		04-218/09:47:27.8
3155	M1O	04-218/10:11:37.6		NOTE: Apoapsis 11720 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3177	M1O	04-218/14:06:34.6		NOTE: North Pole Crossing 11722		04-218/13:44:39.5
3178	M1O	04-218/14:08:29.0		NOTE: Apoapsis 11722 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3215	M1O	04-218/20:45:00.0	45	Begin Pre-Cal		
3216	M1O	04-218/20:45:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3217	M1O	04-218/20:45:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3218	M1O	04-218/20:45:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3219	M1O	04-218/20:45:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3220	M1O	04-218/20:45:00.0	45	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
3221	M1O	04-218/20:45:00.0	45	Config: RCV: Parms:		
3222	M1O	04-218/20:45:00.0	45	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
3223	M1O	04-218/20:45:00.0	45	Config: TGC: BAND=X, SR=85320.000000		
3224	M1O	04-218/20:45:00.0	45	Config: TXL		
3225	M1O	04-218/20:45:00.0	45	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
3226	M1O	04-218/20:45:00.0	45	Config: CMD		
3227	M1O	04-218/20:45:00.0	45	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
3228	M1O	04-218/21:01:31.5		NOTE: South Pole Crossing 11726		04-218/20:39:36.2
3229	M1O	04-218/21:02:31.8		NOTE: Periapsis 11726		04-218/20:40:36.4

3230	M1O	04-218/21:30:48.9		NOTE: Ascending Node Crossing 11726		04-218/21:08:53.5
3231	M1O	04-218/22:00:45.2		NOTE: North Pole Crossing 11726		04-218/21:38:49.8
3232	M1O	04-218/22:02:19.0		NOTE: Apoapsis 11726 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3259	M1O	04-218/23:28:50.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-218/23:06:55.3
3260	M1O	04-218/23:28:50.7	45	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3261	M1O	04-218/23:28:51.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-218/23:06:56.3
3262	M1O	04-218/23:29:24.3		NOTE: Ascending Node Crossing 11727		04-218/23:07:28.8
3263	M1O	04-218/23:59:20.4		NOTE: North Pole Crossing 11727		04-218/23:37:24.9
3264	M1O	04-219/00:00:00.0		Light Time: OWLT = 21:55, RTLT = 43:51		
3265	M1O	04-219/00:01:07.5		NOTE: Apoapsis 11727 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3301	M1O	04-219/05:35:00.0	55	Config: TGC: BAND=X, SR=85320.000000		
3302	M1O	04-219/05:35:00.0	55	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3303	M1O	04-219/05:55:05.3		NOTE: North Pole Crossing 11730		04-219/05:33:09.5
3304	M1O	04-219/05:57:24.5		NOTE: Apoapsis 11730 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3346	M1O	04-219/07:54:43.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-217T07:32:32.100, 2004-219T07:32:32.100	PCKTS_RE_TX_TIME	04-219/07:32:47.8
3347	M1O	04-219/07:54:44.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-217T07:32:32.100, 2004-219T07:32:32.100	PCKTS_RE_TX_TIME	04-219/07:32:48.8
3348	M1O	04-219/07:54:45.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-217T07:32:32.100, 2004-219T07:32:32.100	PCKTS_RE_TX_TIME	04-219/07:32:49.8
3349	M1O	04-219/07:54:46.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-217T07:32:32.100, 2004-219T07:32:32.100	PCKTS_RE_TX_TIME	04-219/07:32:50.8
3350	M1O	04-219/07:54:47.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-217T07:32:32.100, 2004-219T07:32:32.100	PCKTS_RE_TX_TIME	04-219/07:32:51.8
3351	M1O	04-219/07:54:48.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-217T07:32:32.100, 2004-219T07:32:32.100	PCKTS_RE_TX_TIME	04-219/07:32:52.8
3352	M1O	04-219/07:54:48.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-219/07:32:52.8
3353	M1O	04-219/07:54:48.6	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3354	M1O	04-219/07:55:00.0	45	End Post-Cal		
3355	M1O	04-219/07:55:41.3		NOTE: Apoapsis 11731 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/sam_ga_hga_cps.cfg,		
3384	M1O	04-219/08:53:43.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-219/08:31:48.0
3385	M1O	04-219/08:54:10.8		NOTE: Periapsis 11732 ----------		04-219/08:32:14.9
3386	M1O	04-219/08:58:13.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-219/08:36:18.0
3387	M1O	04-219/08:58:14.8		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-219/08:36:19.0
3388	M1O	04-219/09:01:39.8		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-219/08:39:44.0
3389	M1O	04-219/09:01:39.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-219/08:39:44.1
3390	M1O	04-219/09:01:40.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-219/08:39:45.1
3391	M1O	04-219/09:01:41.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-219/08:39:46.1
3392	M1O	04-219/09:01:42.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-219/08:39:47.1
3393	M1O	04-219/09:01:43.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-219/08:39:48.1
3394	M1O	04-219/09:01:53.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-219/08:39:58.1
3395	M1O	04-219/09:02:03.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-219/08:40:08.1
3396	M1O	04-219/09:02:14.8		NOTE: EXIT HGA PARK		
3397	M1O	04-219/09:02:14.8	55	Acquisition Of X-Band Signal		
3398	M1O	04-219/09:02:14.8	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3399	M1O	04-219/09:09:03.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-219/08:47:08.1
3400	M1O	04-219/09:09:04.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-219/08:47:09.1
3401	M1O	04-219/09:09:04.9	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3402	M1O	04-219/09:09:05.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-219/08:47:10.1
3403	M1O	04-219/09:22:12.4		NOTE: Ascending Node Crossing 11732		04-219/09:00:16.5
3404	M1O	04-219/09:52:07.5		NOTE: North Pole Crossing 11732		04-219/09:30:11.6
3405	M1O	04-219/09:54:18.0		NOTE: Apoapsis 11732 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				-		
3423	M1O	04-219/12:20:42.5		NOTE: Descending Node Crossing 11734		04-219/11:58:46.5
3424	M1O	04-219/12:50:03.7		NOTE: South Pole Crossing 11734		04-219/12:28:07.7
3425	M1O	04-219/12:51:26.5		NOTE: Periapsis 11734		04-219/12:29:30.4

3426	M1O	04-219/13:19:21.5		NOTE: Ascending Node Crossing 11734		04-219/12:57:25.5
3427	M1O	04-219/13:49:18.5		NOTE: North Pole Crossing 11734		04-219/13:27:22.4
3428	M1O	04-219/13:51:18.0		NOTE: Apoapsis 11734 -		04-219/13:29:21.9
				-		
3429	M1O	04-219/14:19:19.1		NOTE: Descending Node Crossing 11735		04-219/13:57:23.0
3430	M1O	04-219/14:48:40.3		NOTE: South Pole Crossing 11735		04-219/14:26:44.2
3431	M1O	04-219/14:49:58.7		NOTE: Periapsis 11735		04-219/14:28:02.6

3432	M1O	04-219/15:17:57.9		NOTE: Ascending Node Crossing 11735		04-219/14:56:01.8
3433	M1O	04-219/15:47:54.3		NOTE: North Pole Crossing 11735		04-219/15:25:58.1
3434	M1O	04-219/15:49:39.6		NOTE: Apoapsis 11735 -		04-219/15:27:43.4
				-		
3435	M1O	04-219/16:17:54.0		NOTE: Descending Node Crossing 11736		04-219/15:55:57.9
3436	M1O	04-219/16:47:15.3		NOTE: South Pole Crossing 11736		04-219/16:25:19.1
3437	M1O	04-219/16:48:35.8		NOTE: Periapsis 11736		04-219/16:26:39.6

3438	M1O	04-219/17:16:32.9		NOTE: Ascending Node Crossing 11736		04-219/16:54:36.7
3439	M1O	04-219/17:46:28.1		NOTE: North Pole Crossing 11736		04-219/17:24:31.8
3440	M1O	04-219/17:48:16.7		NOTE: Apoapsis 11736 -		04-219/17:26:20.5
				-		
3441	M1O	04-219/18:15:00.0	26	Begin Pre-Cal		
3442	M1O	04-219/18:15:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3443	M1O	04-219/18:15:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3444	M1O	04-219/18:15:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3445	M1O	04-219/18:15:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3446	M1O	04-219/18:15:00.0	26	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
3447	M1O	04-219/18:15:00.0	26	Config: RCV: Parms:		
3448	M1O	04-219/18:15:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
3449	M1O	04-219/18:15:00.0	26	Config: TGC: BAND=X, SR=85320.000000		
3450	M1O	04-219/18:15:00.0	26	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3451	M1O	04-219/18:16:26.6		NOTE: Descending Node Crossing 11737		04-219/17:54:30.3
3452	M1O	04-219/18:21:07.4	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
3453	M1O	04-219/18:40:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
3454	M1O	04-219/18:45:00.0	26	Begin Tracking		
3455	M1O	04-219/18:45:00.0	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		
3456	M1O	04-219/18:45:47.4		NOTE: South Pole Crossing 11737		04-219/18:23:51.1
3457	M1O	04-219/18:47:09.7		NOTE: Periapsis 11737		04-219/18:25:13.5

3458	M1O	04-219/18:50:00.0	55	Range Modulation Off		
3459	M1O	04-219/18:55:00.0	55	X-Band Transmitter Off		
3460	M1O	04-219/19:05:00.0	55	End Tracking		
3461	M1O	04-219/19:15:04.7		NOTE: Ascending Node Crossing 11737		04-219/18:53:08.4
3462	M1O	04-219/19:20:00.0	55	End Post-Cal		
3463	M1O	04-219/19:37:50.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-219/19:15:54.2
3464	M1O	04-219/19:37:52.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-219/19:15:56.3
3465	M1O	04-219/19:37:52.6	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3466	M1O	04-219/19:37:53.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-219/19:15:57.3
3467	M1O	04-219/19:38:52.5	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3468	M1O	04-219/19:43:52.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-219/19:21:56.3
3469	M1O	04-219/19:43:52.6	26	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3470	M1O	04-219/19:43:53.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-219/19:21:57.3
3471	M1O	04-219/19:44:59.4		NOTE: North Pole Crossing 11737		04-219/19:23:03.1
3472	M1O	04-219/19:46:59.5		NOTE: Apoapsis 11737 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3509	M1O	04-219/22:45:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-219/22:23:04.8
3510	M1O	04-219/22:46:00.0	43	Range Modulation On: SUP=3.0dB		
3511	M1O	04-219/22:47:00.0	43	Begin Ranging Acquisition		
3512	M1O	04-219/22:50:00.0	26	End Tracking		
3513	M1O	04-219/23:05:00.0	26	End Post-Cal		
3514	M1O	04-219/23:12:07.6		NOTE: Ascending Node Crossing 11739		04-219/22:50:11.1
3515	M1O	04-219/23:23:50.6		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-219/23:01:54.2
3516	M1O	04-219/23:23:52.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-219/23:01:56.3
3517	M1O	04-219/23:23:52.7	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3518	M1O	04-219/23:23:53.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-219/23:01:57.3
3519	M1O	04-219/23:24:52.8	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3520	M1O	04-219/23:29:52.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-219/23:07:56.3
3521	M1O	04-219/23:29:52.7	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3522	M1O	04-219/23:29:53.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-219/23:07:57.3
3523	M1O	04-219/23:42:04.3		NOTE: North Pole Crossing 11739		04-219/23:20:07.8
3524	M1O	04-219/23:43:31.8		NOTE: Apoapsis 11739 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3550	M1O	04-220/05:20:00.0	65	Begin Pre-Cal		
3551	M1O	04-220/05:20:00.0	65	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3552	M1O	04-220/05:20:00.0	65	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3553	M1O	04-220/05:20:00.0	65	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3554	M1O	04-220/05:20:00.0	65	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3555	M1O	04-220/05:20:00.0	65	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3556	M1O	04-220/05:20:00.0	65	Config: RCV: Parms:		
3557	M1O	04-220/05:20:00.0	65	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
3558	M1O	04-220/05:20:00.0	65	Config: TGC: BAND=X, SR=238896.000000		
3559	M1O	04-220/05:20:00.0	65	Config: TXL		
3560	M1O	04-220/05:20:00.0	65	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
3561	M1O	04-220/05:20:00.0	65	Config: CMD		
3562	M1O	04-220/05:20:00.0	65	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
3563	M1O	04-220/05:23:52.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-220/05:01:55.5
3564	M1O	04-220/05:23:52.2	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3565	M1O	04-220/05:23:53.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-220/05:01:56.5
3566	M1O	04-220/05:37:51.2		NOTE: North Pole Crossing 11742		04-220/05:15:54.5
3567	M1O	04-220/05:40:13.3		NOTE: Apoapsis 11742 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3593	M1O	04-220/07:25:47.9		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-220/07:03:51.2
3594	M1O	04-220/07:25:52.9		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-220/07:03:56.2
3595	M1O	04-220/07:25:57.9		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-220/07:04:01.2
3596	M1O	04-220/07:26:02.9		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-220/07:04:06.2
3597	M1O	04-220/07:26:07.9		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-220/07:04:11.2
3598	M1O	04-220/07:26:08.9		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-220/07:04:12.2
3599	M1O	04-220/07:26:09.9		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-220/07:04:13.2
3600	M1O	04-220/07:26:10.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-220/07:04:14.2
3601	M1O	04-220/07:26:21.9		NOTE: End Block fsw_diag.mod		04-220/07:04:25.2
3602	M1O	04-220/07:28:49.7		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	04-220/07:06:53.0
3603	M1O	04-220/07:29:05.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-218T07:06:53.100, 2004-220T07:06:53.100	PCKTS_RE_TX_TIME	04-220/07:07:08.8
3604	M1O	04-220/07:29:06.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-218T07:06:53.100, 2004-220T07:06:53.100	PCKTS_RE_TX_TIME	04-220/07:07:09.8
3605	M1O	04-220/07:29:07.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-218T07:06:53.100, 2004-220T07:06:53.100	PCKTS_RE_TX_TIME	04-220/07:07:10.8
3606	M1O	04-220/07:29:08.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-218T07:06:53.100, 2004-220T07:06:53.100	PCKTS_RE_TX_TIME	04-220/07:07:11.8
3607	M1O	04-220/07:29:09.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-218T07:06:53.100, 2004-220T07:06:53.100	PCKTS_RE_TX_TIME	04-220/07:07:12.8
3608	M1O	04-220/07:29:10.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-218T07:06:53.100, 2004-220T07:06:53.100	PCKTS_RE_TX_TIME	04-220/07:07:13.8
3609	M1O	04-220/07:29:10.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-220/07:07:13.8
3610	M1O	04-220/07:29:10.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3611	M1O	04-220/07:29:10.5	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3612	M1O	04-220/07:30:26.0	43	NOTE: Below Uplink Interlock Limit		
3613	M1O	04-220/07:36:23.0		NOTE: North Pole Crossing 11743		04-220/07:14:26.3
3614	M1O	04-220/07:36:51.7		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-220/07:14:55.0
3615	M1O	04-220/07:36:51.8		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-220/07:14:55.1
3616	M1O	04-220/07:36:52.8		Forces a desaturation of the reaction wheels.	RW_DESAT	04-220/07:14:56.1
3617	M1O	04-220/07:38:25.2		NOTE: Apoapsis 11743 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3635	M1O	04-220/07:48:24.9		NOTE: START HGA PARK		
3636	M1O	04-220/07:48:24.9	65	NOTE: Loss Of X-Band Signal		
3637	M1O	04-220/07:48:25.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-220/07:26:29.1
3638	M1O	04-220/07:48:26.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-220/07:26:30.1
3639	M1O	04-220/07:52:56.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-220/07:31:00.1
3640	M1O	04-220/07:55:00.0	43	End Post-Cal		
3641	M1O	04-220/07:56:26.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-220/07:34:30.1
3642	M1O	04-220/07:56:26.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-220/07:34:30.1
3643	M1O	04-220/08:00:58.0	65	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3644	M1O	04-220/08:05:58.0	65	Range Modulation On: SUP=3.0dB		
3645	M1O	04-220/08:06:22.0		NOTE: Descending Node Crossing 11744		04-220/07:44:25.2
3646	M1O	04-220/08:06:58.0	65	Begin Ranging Acquisition		
3647	M1O	04-220/08:26:26.8		GV: GV_DESAT_ACTIVE = 1		04-220/08:04:30.0
3648	M1O	04-220/08:26:27.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-220/08:04:31.0
3649	M1O	04-220/08:26:27.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-220/08:04:31.0
3650	M1O	04-220/08:35:42.1		NOTE: South Pole Crossing 11744		04-220/08:13:45.3
3651	M1O	04-220/08:36:26.8		GV: GV_DESAT_ACTIVE = 0		04-220/08:14:30.0
3652	M1O	04-220/08:36:27.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-220/08:14:31.0
3653	M1O	04-220/08:36:28.8		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-220/08:14:32.0
3654	M1O	04-220/08:36:29.8		CALL, Engine = , Parameters =	unpark_hga	04-220/08:14:33.0
3655	M1O	04-220/08:36:29.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-220/08:14:33.0
3656	M1O	04-220/08:36:30.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-220/08:14:34.0
3657	M1O	04-220/08:36:57.9		NOTE: Periapsis 11744 ----------		04-220/08:15:01.1
3658	M1O	04-220/08:41:00.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-220/08:19:04.0
3659	M1O	04-220/08:41:01.8		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-220/08:19:05.0
3660	M1O	04-220/08:44:26.5		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-220/08:22:29.6
3661	M1O	04-220/08:44:26.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-220/08:22:29.7
3662	M1O	04-220/08:44:27.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-220/08:22:30.7
3663	M1O	04-220/08:44:28.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-220/08:22:31.7
3664	M1O	04-220/08:44:29.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-220/08:22:32.7
3665	M1O	04-220/08:44:30.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-220/08:22:33.7
3666	M1O	04-220/08:44:40.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-220/08:22:43.7
3667	M1O	04-220/08:44:50.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-220/08:22:53.7
3668	M1O	04-220/08:45:01.8		NOTE: EXIT HGA PARK		
3669	M1O	04-220/08:45:01.8	65	Acquisition Of X-Band Signal		
3670	M1O	04-220/08:45:01.8	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3671	M1O	04-220/08:51:50.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-220/08:29:53.7
3672	M1O	04-220/08:51:51.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-220/08:29:54.7
3673	M1O	04-220/08:51:51.6	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3674	M1O	04-220/08:51:52.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-220/08:29:55.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3675	M1O	04-220/09:04:58.9		NOTE: Ascending Node Crossing 11744		04-220/08:43:02.1
3676	M1O	04-220/09:34:53.9		NOTE: North Pole Crossing 11744		04-220/09:12:57.0
3677	M1O	04-220/09:37:00.6		NOTE: Apoapsis 11744 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3719	M1O	04-220/15:32:29.0		NOTE: Apoapsis 11747 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3763	M1O	04-220/21:28:06.1		NOTE: Apoapsis 11750 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3803	M1O	04-221/02:52:05.9		NOTE: Ascending Node Crossing 11753		04-221/02:30:08.3
3804	M1O	04-221/03:22:01.7		NOTE: North Pole Crossing 11753		04-221/03:00:04.1
3805	M1O	04-221/03:24:18.9		NOTE: Apoapsis 11753 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 5, 2004-219T06:58:03.100, 2004-221T06:58:03.100		
3847	M1O	04-221/07:20:19.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-219T06:58:03.100, 2004-221T06:58:03.100	PCKTS_RE_TX_TIME	04-221/06:58:21.8
3848	M1O	04-221/07:20:20.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-219T06:58:03.100, 2004-221T06:58:03.100	PCKTS_RE_TX_TIME	04-221/06:58:22.8
3849	M1O	04-221/07:20:21.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-219T06:58:03.100, 2004-221T06:58:03.100	PCKTS_RE_TX_TIME	04-221/06:58:23.8
3850	M1O	04-221/07:20:21.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-221/06:58:23.8
3851	M1O	04-221/07:20:21.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3852	M1O	04-221/07:20:21.5	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3853	M1O	04-221/07:21:22.4		NOTE: Apoapsis 11755 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
3887	M1O	04-221/07:30:39.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-221/07:08:41.8
3888	M1O	04-221/07:30:39.5	43	D/L RF Warning: SC antenna change - expect signal level variation		
3889	M1O	04-221/07:30:39.5	63	D/L RF Warning: SC antenna change - expect signal level variation		
3890	M1O	04-221/07:30:40.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-221/07:08:42.8
3891	M1O	04-221/07:31:08.8		CALL, Engine = , Parameters = FALSE	park_hga	04-221/07:09:11.1
3892	M1O	04-221/07:31:08.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-221/07:09:11.1
3893	M1O	04-221/07:31:09.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-221/07:09:12.1
3894	M1O	04-221/07:31:10.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-221/07:09:13.1
3895	M1O	04-221/07:31:10.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-221/07:09:13.1
3896	M1O	04-221/07:31:10.8		NOTE: START HGA PARK		
3897	M1O	04-221/07:31:10.8	43	NOTE: Loss Of X-Band Signal		
3898	M1O	04-221/07:31:10.8	63	NOTE: Loss Of X-Band Signal		
3899	M1O	04-221/07:31:11.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-221/07:09:14.1
3900	M1O	04-221/07:31:12.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-221/07:09:15.1
3901	M1O	04-221/07:35:42.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-221/07:13:45.1
3902	M1O	04-221/07:39:12.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-221/07:17:15.1
3903	M1O	04-221/07:39:12.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-221/07:17:15.1
3904	M1O	04-221/07:40:00.0	43	End Tracking		
3905	M1O	04-221/07:49:09.7		NOTE: Descending Node Crossing 11756		04-221/07:27:11.9
3906	M1O	04-221/07:55:00.0	43	End Post-Cal		
3907	M1O	04-221/08:09:12.7		GV: GV_DESAT_ACTIVE = 1		04-221/07:47:15.0
3908	M1O	04-221/08:09:13.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-221/07:47:16.0
3909	M1O	04-221/08:09:13.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-221/07:47:16.0
3910	M1O	04-221/08:18:29.5		NOTE: South Pole Crossing 11756		04-221/07:56:31.7
3911	M1O	04-221/08:19:12.7		GV: GV_DESAT_ACTIVE = 0		04-221/07:57:15.0
3912	M1O	04-221/08:19:13.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-221/07:57:16.0
3913	M1O	04-221/08:19:14.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-221/07:57:17.0
3914	M1O	04-221/08:19:15.7		CALL, Engine = , Parameters =	unpark_hga	04-221/07:57:18.0
3915	M1O	04-221/08:19:15.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-221/07:57:18.0
3916	M1O	04-221/08:19:16.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-221/07:57:19.0
3917	M1O	04-221/08:19:51.7		NOTE: Periapsis 11756		04-221/07:57:54.0

3918	M1O	04-221/08:23:46.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-221/08:01:49.0
3919	M1O	04-221/08:23:47.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-221/08:01:50.0
3920	M1O	04-221/08:27:12.7		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-221/08:05:15.0
3921	M1O	04-221/08:27:12.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-221/08:05:15.1
3922	M1O	04-221/08:27:13.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-221/08:05:16.1
3923	M1O	04-221/08:27:14.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-221/08:05:17.1
3924	M1O	04-221/08:27:15.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-221/08:05:18.1
3925	M1O	04-221/08:27:16.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-221/08:05:19.1
3926	M1O	04-221/08:27:26.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-221/08:05:29.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3927	M1O	04-221/08:27:36.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-221/08:05:39.1
3928	M1O	04-221/08:27:47.7		NOTE: EXIT HGA PARK		
3929	M1O	04-221/08:27:47.7	63	Acquisition Of X-Band Signal		
3930	M1O	04-221/08:27:47.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3931	M1O	04-221/08:34:36.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-221/08:12:39.1
3932	M1O	04-221/08:34:37.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-221/08:12:40.1
3933	M1O	04-221/08:34:37.8	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3934	M1O	04-221/08:34:38.8		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-221/08:12:41.1
3935	M1O	04-221/08:47:45.7		NOTE: Ascending Node Crossing 11756		04-221/08:25:47.9
3936	M1O	04-221/09:17:40.7		NOTE: North Pole Crossing 11756		04-221/08:55:42.9
3937	M1O	04-221/09:19:40.0		NOTE: Apoapsis 11756 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3968	M1O	04-221/16:12:45.4		NOTE: South Pole Crossing 11760		04-221/15:50:47.4
3969	M1O	04-221/16:14:00.1		NOTE: Periapsis 11760 ----------		04-221/15:52:02.0
3970	M1O	04-221/16:42:02.9		NOTE: Ascending Node Crossing 11760		04-221/16:20:04.8
3971	M1O	04-221/17:11:59.5		NOTE: North Pole Crossing 11760		04-221/16:50:01.4
3972	M1O	04-221/17:13:38.8		NOTE: Apoapsis 11760 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4011	M1O	04-221/19:14:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-221/18:52:02.9
4012	M1O	04-221/19:15:00.0	63	End Tracking		
4013	M1O	04-221/19:15:00.0		NOTE: Changing to 34M (BWG) downlink rate: 14220_BPS		04-221/18:53:01.8
4014	M1O	04-221/19:15:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-221/18:53:01.8
4015	M1O	04-221/19:15:00.0	25	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4016	M1O	04-221/19:20:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-221/18:58:01.9
4017	M1O	04-221/19:20:00.1	25	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4018	M1O	04-221/19:20:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-221/18:58:02.9
4019	M1O	04-221/19:30:00.0	63	End Post-Cal		
4020	M1O	04-221/19:40:32.0		NOTE: Descending Node Crossing 11762		04-221/19:18:33.8
4021	M1O	04-221/20:09:52.4		NOTE: South Pole Crossing 11762		04-221/19:47:54.2
4022	M1O	04-221/20:11:10.9		NOTE: Periapsis 11762 ----------		04-221/19:49:12.7
4023	M1O	04-221/20:39:09.5		NOTE: Ascending Node Crossing 11762		04-221/20:17:11.3
4024	M1O	04-221/21:09:04.6		NOTE: North Pole Crossing 11762		04-221/20:47:06.4
4025	M1O	04-221/21:10:58.0		NOTE: Apoapsis 11762 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				-		
4055	M1O	04-221/23:10:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-221/22:48:01.9
4056	M1O	04-221/23:10:00.2	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4057	M1O	04-221/23:10:00.2	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4058	M1O	04-221/23:10:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-221/22:48:02.9
4059	M1O	04-221/23:25:00.0	25	End Tracking		
4060	M1O	04-221/23:25:00.0	25	End Post-Cal		
4061	M1O	04-221/23:37:35.0		NOTE: Descending Node Crossing 11764		04-221/23:15:36.7
4062	M1O	04-221/23:48:54.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-221/23:26:56.0
4063	M1O	04-221/23:48:56.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-221/23:26:58.1
4064	M1O	04-221/23:48:56.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4065	M1O	04-221/23:48:57.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-221/23:26:59.1
4066	M1O	04-221/23:49:56.6	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4067	M1O	04-221/23:54:56.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-221/23:32:58.1
4068	M1O	04-221/23:54:56.5	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4069	M1O	04-221/23:54:57.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-221/23:32:59.1
4070	M1O	04-222/00:00:00.0		Light Time: OWLT = 21:58, RTLT = 43:56		
4071	M1O	04-222/00:06:55.0		NOTE: South Pole Crossing 11764		04-221/23:44:56.7
4072	M1O	04-222/00:07:43.9		NOTE: Periapsis 11764		04-221/23:45:45.5

4073	M1O	04-222/00:36:12.8		NOTE: Ascending Node Crossing 11764		04-222/00:14:14.4
4074	M1O	04-222/01:06:09.8		NOTE: North Pole Crossing 11764		04-222/00:44:11.4
4075	M1O	04-222/01:07:33.2		NOTE: Apoapsis 11764 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4094	M1O	04-222/05:13:56.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4095	M1O	04-222/05:18:55.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-222/04:56:57.4
4096	M1O	04-222/05:18:55.9	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4097	M1O	04-222/05:18:56.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-222/04:56:58.4
4098	M1O	04-222/05:25:00.0	63	Begin Pre-Cal		
4099	M1O	04-222/05:25:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4100	M1O	04-222/05:25:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4101	M1O	04-222/05:25:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4102	M1O	04-222/05:25:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4103	M1O	04-222/05:25:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
4104	M1O	04-222/05:25:00.0	63	Config: RCV: Parms:		
4105	M1O	04-222/05:25:00.0	63	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
4106	M1O	04-222/05:25:00.0	63	Config: TGC: BAND=X, SR=238896.000000		
4107	M1O	04-222/05:25:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
4108	M1O	04-222/05:33:22.3		NOTE: Descending Node Crossing 11767		04-222/05:11:23.8
4109	M1O	04-222/06:02:43.7		NOTE: South Pole Crossing 11767		04-222/05:40:45.1
4110	M1O	04-222/06:04:27.6		NOTE: Periapsis 11767 ----------		04-222/05:42:29.1
4111	M1O	04-222/06:32:00.8		NOTE: Ascending Node Crossing 11767		04-222/06:10:02.2
4112	M1O	04-222/07:01:56.8		NOTE: North Pole Crossing 11767		04-222/06:39:58.1
4113	M1O	04-222/07:02:22.6		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-222/06:40:24.0
4114	M1O	04-222/07:02:22.7		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-222/06:40:24.1
4115	M1O	04-222/07:02:23.7		Forces a desaturation of the reaction wheels.	RW_DESAT	04-222/06:40:25.1
4116	M1O	04-222/07:02:45.6		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	04-222/06:40:47.0
4117	M1O	04-222/07:03:01.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-220T06:40:47.100, 2004-222T06:40:47.100	PCKTS_RE_TX_TIME	04-222/06:41:02.8
4118	M1O	04-222/07:03:02.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-220T06:40:47.100, 2004-222T06:40:47.100	PCKTS_RE_TX_TIME	04-222/06:41:03.8
4119	M1O	04-222/07:03:03.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-220T06:40:47.100, 2004-222T06:40:47.100	PCKTS_RE_TX_TIME	04-222/06:41:04.8
4120	M1O	04-222/07:03:04.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-220T06:40:47.100, 2004-222T06:40:47.100	PCKTS_RE_TX_TIME	04-222/06:41:05.8
4121	M1O	04-222/07:03:05.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-220T06:40:47.100, 2004-222T06:40:47.100	PCKTS_RE_TX_TIME	04-222/06:41:06.8
4122	M1O	04-222/07:03:06.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-220T06:40:47.100, 2004-222T06:40:47.100	PCKTS_RE_TX_TIME	04-222/06:41:07.8
4123	M1O	04-222/07:03:06.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-222/06:41:07.8
4124	M1O	04-222/07:03:06.4	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4125	M1O	04-222/07:04:12.8		NOTE: Apoapsis 11767 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4135	M1O	04-222/07:13:25.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-222/06:51:26.8
4136	M1O	04-222/07:13:53.7		CALL, Engine = , Parameters = FALSE	park_hga	04-222/06:51:55.1
4137	M1O	04-222/07:13:53.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-222/06:51:55.1
4138	M1O	04-222/07:13:54.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-222/06:51:56.1
4139	M1O	04-222/07:13:55.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-222/06:51:57.1
4140	M1O	04-222/07:13:55.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-222/06:51:57.1
4141	M1O	04-222/07:13:55.7		NOTE: START HGA PARK		
4142	M1O	04-222/07:13:55.7	43	NOTE: Loss Of X-Band Signal		
4143	M1O	04-222/07:13:55.7	63	NOTE: Loss Of X-Band Signal		
4144	M1O	04-222/07:13:56.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-222/06:51:58.1
4145	M1O	04-222/07:13:57.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-222/06:51:59.1
4146	M1O	04-222/07:18:27.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-222/06:56:29.1
4147	M1O	04-222/07:21:49.0	63	NOTE: Above Uplink Interlock Limit		
4148	M1O	04-222/07:21:57.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-222/06:59:59.1
4149	M1O	04-222/07:21:57.7		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-222/06:59:59.1
4150	M1O	04-222/07:21:58.6		SPAWN, Engine = 65535, Parameters =	scdiag	04-222/07:00:00.0
4151	M1O	04-222/07:21:59.7		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-222/07:00:01.1
4152	M1O	04-222/07:22:00.7		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-222/07:00:02.1
4153	M1O	04-222/07:23:01.6		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-222/07:01:03.0
4154	M1O	04-222/07:23:01.8		NOTE: Start Block fsw_diag		04-222/07:01:03.2
4155	M1O	04-222/07:23:02.8		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-222/07:01:04.2
4156	M1O	04-222/07:23:03.8		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-222/07:01:05.2
4157	M1O	04-222/07:23:14.8		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-222/07:01:16.2
4158	M1O	04-222/07:23:44.8		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-222/07:01:46.2
4159	M1O	04-222/07:24:04.8		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-222/07:02:06.2
4160	M1O	04-222/07:24:14.8		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-222/07:02:16.2
4161	M1O	04-222/07:24:34.8		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-222/07:02:36.2
4162	M1O	04-222/07:24:44.8		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-222/07:02:46.2
4163	M1O	04-222/07:24:49.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-222/07:02:51.2
4164	M1O	04-222/07:24:54.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-222/07:02:56.2
4165	M1O	04-222/07:24:59.8		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-222/07:03:01.2
4166	M1O	04-222/07:25:04.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-222/07:03:06.2
4167	M1O	04-222/07:25:09.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-222/07:03:11.2
4168	M1O	04-222/07:25:49.8		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-222/07:03:51.2
4169	M1O	04-222/07:25:54.8		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-222/07:03:56.2
4170	M1O	04-222/07:25:59.8		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-222/07:04:01.2
4171	M1O	04-222/07:26:04.8		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-222/07:04:06.2
4172	M1O	04-222/07:26:09.8		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-222/07:04:11.2
4173	M1O	04-222/07:26:10.8		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-222/07:04:12.2
4174	M1O	04-222/07:26:11.8		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-222/07:04:13.2
4175	M1O	04-222/07:26:12.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-222/07:04:14.2
4176	M1O	04-222/07:26:23.8		NOTE: End Block fsw_diag.mod		04-222/07:04:25.2
4177	M1O	04-222/07:28:58.0	43	NOTE: Below Uplink Interlock Limit		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4178	M1O	04-222/07:31:56.6		NOTE: Descending Node Crossing 11768		04-222/07:09:58.0
4179	M1O	04-222/07:40:00.0	43	End Tracking		
4180	M1O	04-222/07:51:57.6		GV: GV_DESAT_ACTIVE = 1		04-222/07:29:59.0
4181	M1O	04-222/07:51:58.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-222/07:30:00.0
4182	M1O	04-222/07:51:58.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-222/07:30:00.0
4183	M1O	04-222/07:55:00.0	43	End Post-Cal		
4184	M1O	04-222/08:01:16.7		NOTE: South Pole Crossing 11768		04-222/07:39:18.0
4185	M1O	04-222/08:01:57.6		GV: GV_DESAT_ACTIVE = 0		04-222/07:39:59.0
4186	M1O	04-222/08:01:58.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-222/07:40:00.0
4187	M1O	04-222/08:01:59.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-222/07:40:01.0
4188	M1O	04-222/08:02:00.6		CALL, Engine = , Parameters =	unpark_hga	04-222/07:40:02.0
4189	M1O	04-222/08:02:00.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-222/07:40:02.0
4190	M1O	04-222/08:02:01.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-222/07:40:03.0
4191	M1O	04-222/08:02:46.0		NOTE: Periapsis 11768 ----------		04-222/07:40:47.3
4192	M1O	04-222/08:06:31.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-222/07:44:33.0
4193	M1O	04-222/08:06:32.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-222/07:44:34.0
4194	M1O	04-222/08:09:57.6		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-222/07:47:59.0
4195	M1O	04-222/08:09:57.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-222/07:47:59.1
4196	M1O	04-222/08:09:58.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-222/07:48:00.1
4197	M1O	04-222/08:09:59.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-222/07:48:01.1
4198	M1O	04-222/08:10:00.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-222/07:48:02.1
4199	M1O	04-222/08:10:01.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-222/07:48:03.1
4200	M1O	04-222/08:10:11.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-222/07:48:13.1
4201	M1O	04-222/08:10:21.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-222/07:48:23.1
4202	M1O	04-222/08:10:32.6		NOTE: EXIT HGA PARK		
4203	M1O	04-222/08:10:32.6	63	Acquisition Of X-Band Signal		
4204	M1O	04-222/08:10:32.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4205	M1O	04-222/08:17:21.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-222/07:55:23.1
4206	M1O	04-222/08:17:22.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-222/07:55:24.1
4207	M1O	04-222/08:17:22.7	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4208	M1O	04-222/08:17:23.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-222/07:55:25.1
4209	M1O	04-222/08:30:33.0		NOTE: Ascending Node Crossing 11768		04-222/08:08:34.3
4210	M1O	04-222/09:00:28.6		NOTE: North Pole Crossing 11768		04-222/08:38:29.9
4211	M1O	04-222/09:02:24.6		NOTE: Apoapsis 11768 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				-		
4219	M1O	04-222/11:05:00.0	63	Range Modulation On: SUP=3.0dB		
4220	M1O	04-222/11:06:00.0	63	Begin Ranging Acquisition		
4221	M1O	04-222/11:28:58.2		NOTE: Descending Node Crossing 11770		04-222/11:06:59.4
4222	M1O	04-222/11:42:55.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-222/11:20:56.5
4223	M1O	04-222/11:42:57.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-222/11:20:58.6
4224	M1O	04-222/11:42:57.4	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4225	M1O	04-222/11:42:58.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-222/11:20:59.6
4226	M1O	04-222/11:43:57.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4227	M1O	04-222/11:48:57.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-222/11:26:58.6
4228	M1O	04-222/11:48:57.4	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4229	M1O	04-222/11:48:58.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-222/11:26:59.6
4230	M1O	04-222/11:58:18.9		NOTE: South Pole Crossing 11770		04-222/11:36:20.0
4231	M1O	04-222/11:59:31.3		NOTE: Periapsis 11770		04-222/11:37:32.5

4232	M1O	04-222/12:27:36.6		NOTE: Ascending Node Crossing 11770		04-222/12:05:37.8
4233	M1O	04-222/12:57:33.2		NOTE: North Pole Crossing 11770		04-222/12:35:34.4
4234	M1O	04-222/12:59:38.1		NOTE: Apoapsis 11770 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4261	M1O	04-222/18:15:00.0	63	Range Modulation Off		
4262	M1O	04-222/18:20:00.0	63	X-Band Transmitter Off		
4263	M1O	04-222/18:23:24.1		NOTE: Ascending Node Crossing 11773		04-222/18:01:25.1
4264	M1O	04-222/18:26:01.8	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
4265	M1O	04-222/18:30:28.0	63	NOTE: Below Uplink Interlock Limit		
4266	M1O	04-222/18:35:00.0	15	Begin Tracking		
4267	M1O	04-222/18:35:00.0	15	Acquire D/L: X/08, 3-Way/63, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4268	M1O	04-222/18:53:20.3		NOTE: North Pole Crossing 11773		04-222/18:31:21.3
4269	M1O	04-222/18:54:54.7		NOTE: Apoapsis 11773 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4302	M1O	04-222/23:12:58.3	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4303	M1O	04-222/23:12:59.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-222/22:51:00.0
4304	M1O	04-222/23:13:58.4	15	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4305	M1O	04-222/23:18:58.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-222/22:56:59.0
4306	M1O	04-222/23:18:58.3	15	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4307	M1O	04-222/23:18:59.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-222/22:57:00.0
4308	M1O	04-222/23:20:22.3		NOTE: Descending Node Crossing 11776		04-222/22:58:23.1
4309	M1O	04-222/23:49:41.9		NOTE: South Pole Crossing 11776		04-222/23:27:42.6
4310	M1O	04-222/23:50:34.1		NOTE: Periapsis 11776		04-222/23:28:34.8

4311	M1O	04-223/00:00:00.0		Light Time: OWLT = 21:59, RTLT = 43:58		
4312	M1O	04-223/00:18:59.1		NOTE: Ascending Node Crossing 11776		04-222/23:56:59.8
4313	M1O	04-223/00:48:55.9		NOTE: North Pole Crossing 11776		04-223/00:26:56.6
4314	M1O	04-223/00:50:18.4		NOTE: Apoapsis 11776 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4345	M1O	04-223/03:03:58.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-223/02:41:59.3
4346	M1O	04-223/03:03:58.6	34	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4347	M1O	04-223/03:03:59.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-223/02:42:00.3
4348	M1O	04-223/03:17:31.0		NOTE: Descending Node Crossing 11778		04-223/02:55:31.7
4349	M1O	04-223/03:46:52.9		NOTE: South Pole Crossing 11778		04-223/03:24:53.6
4350	M1O	04-223/03:48:15.7		NOTE: Periapsis 11778 ----------		04-223/03:26:16.3
4351	M1O	04-223/04:16:11.4		NOTE: Ascending Node Crossing 11778		04-223/03:54:12.0
4352	M1O	04-223/04:46:07.5		NOTE: North Pole Crossing 11778		04-223/04:24:08.1
4353	M1O	04-223/04:48:18.5		NOTE: Apoapsis 11778 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4388	M1O	04-223/05:47:10.8		NOTE: Periapsis 11779 ----------		04-223/05:25:11.4
4389	M1O	04-223/05:49:12.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-223/05:27:12.8
4390	M1O	04-223/05:49:12.2	34	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4391	M1O	04-223/05:49:13.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-223/05:27:13.8
4392	M1O	04-223/05:49:29.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-223/05:27:29.8
4393	M1O	04-223/05:49:29.2	34	D/L RF Warning: SC antenna change - expect signal level variation		
4394	M1O	04-223/05:49:30.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-223/05:27:30.8
4395	M1O	04-223/05:50:00.0	34	End Tracking		
4396	M1O	04-223/06:05:00.0	34	End Post-Cal		
4397	M1O	04-223/06:14:46.8		NOTE: Ascending Node Crossing 11779		04-223/05:52:47.4
4398	M1O	04-223/06:44:42.9		NOTE: North Pole Crossing 11779		04-223/06:22:43.4
4399	M1O	04-223/06:45:08.5		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-223/06:23:09.0
4400	M1O	04-223/06:45:08.6		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-223/06:23:09.1
4401	M1O	04-223/06:45:09.6		Forces a desaturation of the reaction wheels.	RW_DESAT	04-223/06:23:10.1
4402	M1O	04-223/06:47:03.4		NOTE: Apoapsis 11779 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				0x29292C31,0x29000000,0x0000,0x0000]		
4427	M1O	04-223/07:23:45.7		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-223/07:01:46.2
4428	M1O	04-223/07:24:05.7		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-223/07:02:06.2
4429	M1O	04-223/07:24:15.7		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-223/07:02:16.2
4430	M1O	04-223/07:24:35.7		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-223/07:02:36.2
4431	M1O	04-223/07:24:45.7		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-223/07:02:46.2
4432	M1O	04-223/07:24:50.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-223/07:02:51.2
4433	M1O	04-223/07:24:55.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-223/07:02:56.2
4434	M1O	04-223/07:24:59.4		NOTE: Encoder_mode setting will not allow telemetry at DSS-55 through EOT at 223/11:35		04-223/07:02:59.9
4435	M1O	04-223/07:25:00.0	55	Begin Tracking		
4436	M1O	04-223/07:25:00.7		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-223/07:03:01.2
4437	M1O	04-223/07:25:05.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-223/07:03:06.2
4438	M1O	04-223/07:25:10.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-223/07:03:11.2
4439	M1O	04-223/07:25:50.7		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-223/07:03:51.2
4440	M1O	04-223/07:25:55.7		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-223/07:03:56.2
4441	M1O	04-223/07:26:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4442	M1O	04-223/07:26:00.7		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-223/07:04:01.2
4443	M1O	04-223/07:26:05.7		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-223/07:04:06.2
4444	M1O	04-223/07:26:10.7		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-223/07:04:11.2
4445	M1O	04-223/07:26:11.7		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-223/07:04:12.2
4446	M1O	04-223/07:26:12.7		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-223/07:04:13.2
4447	M1O	04-223/07:26:13.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-223/07:04:14.2
4448	M1O	04-223/07:26:24.7		NOTE: End Block fsw_diag.mod		04-223/07:04:25.2
4449	M1O	04-223/07:31:00.0	55	Range Modulation On: SUP=3.0dB		
4450	M1O	04-223/07:32:00.0	55	Begin Ranging Acquisition		
4451	M1O	04-223/07:34:43.5		GV: GV_DESAT_ACTIVE = 1		04-223/07:12:44.0
4452	M1O	04-223/07:34:44.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-223/07:12:45.0
4453	M1O	04-223/07:34:44.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-223/07:12:45.0
4454	M1O	04-223/07:44:03.5		NOTE: South Pole Crossing 11780		04-223/07:22:04.0
4455	M1O	04-223/07:44:43.5		GV: GV_DESAT_ACTIVE = 0		04-223/07:22:44.0
4456	M1O	04-223/07:44:44.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-223/07:22:45.0
4457	M1O	04-223/07:44:45.5		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-223/07:22:46.0
4458	M1O	04-223/07:44:46.5		CALL, Engine = , Parameters =	unpark_hga	04-223/07:22:47.0
4459	M1O	04-223/07:44:46.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-223/07:22:47.0
4460	M1O	04-223/07:44:47.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-223/07:22:48.0
4461	M1O	04-223/07:45:41.4		NOTE: Periapsis 11780		04-223/07:23:41.9

4462	M1O	04-223/07:49:17.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-223/07:27:18.0
4463	M1O	04-223/07:49:18.5		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-223/07:27:19.0
4464	M1O	04-223/07:52:43.5		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-223/07:30:44.0
4465	M1O	04-223/07:52:43.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-223/07:30:44.1
4466	M1O	04-223/07:52:44.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-223/07:30:45.1
4467	M1O	04-223/07:52:45.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-223/07:30:46.1
4468	M1O	04-223/07:52:46.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-223/07:30:47.1
4469	M1O	04-223/07:52:47.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-223/07:30:48.1
4470	M1O	04-223/07:52:57.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-223/07:30:58.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4471	M1O	04-223/07:53:07.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-223/07:31:08.1
4472	M1O	04-223/07:53:18.5		NOTE: EXIT HGA PARK		
4473	M1O	04-223/07:53:18.5	63	Acquisition Of X-Band Signal		
4474	M1O	04-223/07:53:18.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4475	M1O	04-223/07:53:18.5	55	Acquisition Of X-Band Signal		
4476	M1O	04-223/07:53:18.5	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4477	M1O	04-223/08:00:07.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-223/07:38:08.1
4478	M1O	04-223/08:00:08.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-223/07:38:09.1
4479	M1O	04-223/08:00:08.6	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4480	M1O	04-223/08:00:08.6	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4481	M1O	04-223/08:00:09.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-223/07:38:10.1
4482	M1O	04-223/08:08:56.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-223/07:46:57.4
4483	M1O	04-223/08:08:59.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-223/07:46:59.5
4484	M1O	04-223/08:08:59.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4485	M1O	04-223/08:08:59.0	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4486	M1O	04-223/08:09:00.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-223/07:47:00.5
4487	M1O	04-223/08:09:59.0	63	Acquire D/L: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4488	M1O	04-223/08:09:59.0	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4489	M1O	04-223/08:13:19.9		NOTE: Ascending Node Crossing 11780		04-223/07:51:20.3
4490	M1O	04-223/08:14:59.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-223/07:52:59.5
4491	M1O	04-223/08:14:59.0	63	D/L Change: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4492	M1O	04-223/08:14:59.0	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4493	M1O	04-223/08:15:00.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-223/07:53:00.5
4494	M1O	04-223/08:43:15.8		NOTE: North Pole Crossing 11780		04-223/08:21:16.2
4495	M1O	04-223/08:45:19.6		NOTE: Apoapsis 11780 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4513	M1O	04-223/12:13:59.3	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4514	M1O	04-223/12:40:18.4		NOTE: North Pole Crossing 11782		04-223/12:18:18.6
4515	M1O	04-223/12:42:16.0		NOTE: Apoapsis 11782 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4556	M1O	04-223/19:03:59.8	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4557	M1O	04-223/19:03:59.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4558	M1O	04-223/19:06:05.6		NOTE: Descending Node Crossing 11786		04-223/18:44:05.6
4559	M1O	04-223/19:10:00.0	63	End Tracking		
4560	M1O	04-223/19:10:00.0		NOTE: Changing to 34M (BWG) downlink rate: 14220_BPS		04-223/18:48:00.0
4561	M1O	04-223/19:10:00.0		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	04-223/18:48:00.0
4562	M1O	04-223/19:10:00.0	25	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4563	M1O	04-223/19:15:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-223/18:53:00.1
4564	M1O	04-223/19:15:00.1	25	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4565	M1O	04-223/19:15:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-223/18:53:01.1
4566	M1O	04-223/19:25:00.0	63	End Post-Cal		
4567	M1O	04-223/19:35:26.2		NOTE: South Pole Crossing 11786		04-223/19:13:26.2
4568	M1O	04-223/19:36:38.6		NOTE: Periapsis 11786 ----------		04-223/19:14:38.6
4569	M1O	04-223/20:04:43.4		NOTE: Ascending Node Crossing 11786		04-223/19:42:43.4
4570	M1O	04-223/20:20:00.0	43	Begin Pre-Cal		
4571	M1O	04-223/20:20:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4572	M1O	04-223/20:20:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4573	M1O	04-223/20:20:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4574	M1O	04-223/20:20:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4575	M1O	04-223/20:20:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
4576	M1O	04-223/20:20:00.0	43	Config: RCV: Parms:		
4577	M1O	04-223/20:20:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
4578	M1O	04-223/20:20:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
4579	M1O	04-223/20:20:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
4580	M1O	04-223/20:34:39.2		NOTE: North Pole Crossing 11786		04-223/20:12:39.2
4581	M1O	04-223/20:36:15.9		NOTE: Apoapsis 11786 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4599	M1O	04-223/22:40:00.2	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4600	M1O	04-223/22:40:00.2	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4601	M1O	04-223/22:40:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-223/22:18:01.1
4602	M1O	04-223/23:03:09.1		NOTE: Descending Node Crossing 11788		04-223/22:41:09.1
4603	M1O	04-223/23:25:00.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4604	M1O	04-223/23:30:00.0	25	Range Modulation On: SUP=3.0dB		
4605	M1O	04-223/23:31:00.0	25	Begin Ranging Acquisition		
4606	M1O	04-223/23:32:28.3		NOTE: South Pole Crossing 11788		04-223/23:10:28.2
4607	M1O	04-223/23:33:28.7		NOTE: Periapsis 11788		04-223/23:11:28.6

4608	M1O	04-224/00:00:00.0		Light Time: OWLT = 22:00, RTLT = 44:00		
4609	M1O	04-224/00:01:44.8		NOTE: Ascending Node Crossing 11788		04-223/23:39:44.7
4610	M1O	04-224/00:07:57.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-223/23:45:57.6
4611	M1O	04-224/00:07:59.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-223/23:45:59.7
4612	M1O	04-224/00:07:59.8	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4613	M1O	04-224/00:07:59.8	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4614	M1O	04-224/00:08:00.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-223/23:46:00.7
4615	M1O	04-224/00:09:00.1	25	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4616	M1O	04-224/00:09:00.1	43	Acquire D/L: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4617	M1O	04-224/00:13:59.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-223/23:51:59.7
4618	M1O	04-224/00:13:59.8	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4619	M1O	04-224/00:13:59.8	43	D/L Change: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4620	M1O	04-224/00:14:00.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-223/23:52:00.7
4621	M1O	04-224/00:31:41.6		NOTE: North Pole Crossing 11788		04-224/00:09:41.5
4622	M1O	04-224/00:33:07.9		NOTE: Apoapsis 11788 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4641	M1O	04-224/04:28:52.2		NOTE: North Pole Crossing 11790		04-224/04:06:51.9
4642	M1O	04-224/04:30:38.0		NOTE: Apoapsis 11790 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
4683	M1O	04-224/06:39:24.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-224/06:17:24.1
4684	M1O	04-224/06:39:25.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-224/06:17:25.1
4685	M1O	04-224/06:39:25.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-224/06:17:25.1
4686	M1O	04-224/06:39:25.4		NOTE: START HGA PARK		
4687	M1O	04-224/06:39:25.4	43	NOTE: Loss Of X-Band Signal		
4688	M1O	04-224/06:39:26.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-224/06:17:26.1
4689	M1O	04-224/06:39:27.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-224/06:17:27.1
4690	M1O	04-224/06:43:57.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-224/06:21:57.1
4691	M1O	04-224/06:47:27.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-224/06:25:27.1
4692	M1O	04-224/06:47:27.4		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-224/06:25:27.1
4693	M1O	04-224/06:51:55.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4694	M1O	04-224/06:56:55.0	43	Range Modulation On: SUP=3.0dB		
4695	M1O	04-224/06:57:28.7		NOTE: Descending Node Crossing 11792		04-224/06:35:28.3
4696	M1O	04-224/06:57:55.0	43	Begin Ranging Acquisition		
4697	M1O	04-224/07:00:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
4698	M1O	04-224/07:10:00.0	43	Range Modulation Off		
4699	M1O	04-224/07:15:00.0	55	Begin Tracking		
4700	M1O	04-224/07:15:00.0	43	X-Band Transmitter Off		
4701	M1O	04-224/07:17:27.3		GV: GV_DESAT_ACTIVE = 1		04-224/06:55:27.0
4702	M1O	04-224/07:17:28.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-224/06:55:28.0
4703	M1O	04-224/07:17:28.3		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-224/06:55:28.0
4704	M1O	04-224/07:21:56.0	55	NOTE: Above Uplink Interlock Limit		
4705	M1O	04-224/07:22:00.3		SPAWN, Engine = 65535, Parameters =	scdiag	04-224/07:00:00.0
4706	M1O	04-224/07:22:01.4		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-224/07:00:01.1
4707	M1O	04-224/07:22:02.4		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-224/07:00:02.1
4708	M1O	04-224/07:23:03.3		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	04-224/07:01:03.0
4709	M1O	04-224/07:23:03.5		NOTE: Start Block fsw_diag		04-224/07:01:03.2
4710	M1O	04-224/07:23:04.5		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D53,0x686F7720,0x313B6368,0x65636B53,0x7461636B,0x3B690000,0x0000,0x0000,0x0000, 0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000]	FSW_VX_CMD	04-224/07:01:04.2
4711	M1O	04-224/07:23:05.5		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	04-224/07:01:05.2
4712	M1O	04-224/07:23:16.5		NOTE: End Block fsw_diag.mod		04-224/07:01:16.2
4713	M1O	04-224/07:24:16.3		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-224/07:02:16.0
4714	M1O	04-224/07:24:16.5		NOTE: Start Block fsw_diag		04-224/07:02:16.2
4715	M1O	04-224/07:24:17.5		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-224/07:02:17.2
4716	M1O	04-224/07:24:18.5		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-224/07:02:18.2
4717	M1O	04-224/07:24:29.5		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-224/07:02:29.2
4718	M1O	04-224/07:24:59.5		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-224/07:02:59.2
4719	M1O	04-224/07:25:19.5		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-224/07:03:19.2
4720	M1O	04-224/07:25:29.5		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-224/07:03:29.2
4721	M1O	04-224/07:25:49.5		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-224/07:03:49.2
4722	M1O	04-224/07:25:59.5		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-224/07:03:59.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4723	M1O	04-224/07:26:04.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-224/07:04:04.2
4724	M1O	04-224/07:26:09.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-224/07:04:09.2
4725	M1O	04-224/07:26:14.5		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-224/07:04:14.2
4726	M1O	04-224/07:26:19.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-224/07:04:19.2
4727	M1O	04-224/07:26:24.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-224/07:04:24.2
4728	M1O	04-224/07:26:49.6		NOTE: South Pole Crossing 11792		04-224/07:04:49.3
4729	M1O	04-224/07:27:04.5		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-224/07:05:04.2
4730	M1O	04-224/07:27:09.5		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-224/07:05:09.2
4731	M1O	04-224/07:27:14.5		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-224/07:05:14.2
4732	M1O	04-224/07:27:19.5		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-224/07:05:19.2
4733	M1O	04-224/07:27:24.5		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-224/07:05:24.2
4734	M1O	04-224/07:27:25.5		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-224/07:05:25.2
4735	M1O	04-224/07:27:26.5		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-224/07:05:26.2
4736	M1O	04-224/07:27:27.3		GV: GV_DESAT_ACTIVE = 0		04-224/07:05:27.0
4737	M1O	04-224/07:27:27.5		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-224/07:05:27.2
4738	M1O	04-224/07:27:28.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-224/07:05:28.0
4739	M1O	04-224/07:27:29.0	43	NOTE: Below Uplink Interlock Limit		
4740	M1O	04-224/07:27:29.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-224/07:05:29.0
4741	M1O	04-224/07:27:30.3		CALL, Engine = , Parameters =	unpark_hga	04-224/07:05:30.0
4742	M1O	04-224/07:27:30.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-224/07:05:30.0
4743	M1O	04-224/07:27:31.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-224/07:05:31.0
4744	M1O	04-224/07:27:38.5		NOTE: End Block fsw_diag.mod		04-224/07:05:38.2
4745	M1O	04-224/07:28:28.7		NOTE: Periapsis 11792		04-224/07:06:28.3

4746	M1O	04-224/07:32:01.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-224/07:10:01.0
4747	M1O	04-224/07:32:02.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-224/07:10:02.0
4748	M1O	04-224/07:35:00.0	43	End Tracking		
4749	M1O	04-224/07:35:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-224/07:12:59.6
4750	M1O	04-224/07:35:00.0		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	04-224/07:12:59.6
4751	M1O	04-224/07:35:27.3		SPAWN, Engine = 65535, Parameters = 00:07:03.288	cstr	04-224/07:13:27.0
4752	M1O	04-224/07:35:27.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-224/07:13:27.1
4753	M1O	04-224/07:35:28.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-224/07:13:28.1
4754	M1O	04-224/07:35:29.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-224/07:13:29.1
4755	M1O	04-224/07:35:30.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-224/07:13:30.1
4756	M1O	04-224/07:35:31.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-224/07:13:31.1
4757	M1O	04-224/07:35:41.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-224/07:13:41.1
4758	M1O	04-224/07:35:51.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-224/07:13:51.1
4759	M1O	04-224/07:36:02.3		NOTE: EXIT HGA PARK		
4760	M1O	04-224/07:36:02.3	55	Acquisition Of X-Band Signal		
4761	M1O	04-224/07:36:02.3	55	Acquire D/L: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4762	M1O	04-224/07:42:54.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-224/07:20:54.3
4763	M1O	04-224/07:42:55.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-224/07:20:55.3
4764	M1O	04-224/07:42:55.7	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
4765	M1O	04-224/07:42:56.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-224/07:20:56.3
4766	M1O	04-224/07:50:00.0	43	End Post-Cal		
4767	M1O	04-224/07:56:06.5		NOTE: Ascending Node Crossing 11792		04-224/07:34:06.1
4768	M1O	04-224/07:57:58.6		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-224/07:35:58.2
4769	M1O	04-224/07:58:00.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-224/07:36:00.3
4770	M1O	04-224/07:58:00.7	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4771	M1O	04-224/07:58:01.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-224/07:36:01.3
4772	M1O	04-224/07:59:00.7	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4773	M1O	04-224/08:04:00.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-224/07:42:00.3
4774	M1O	04-224/08:04:00.7	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4775	M1O	04-224/08:04:01.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-224/07:42:01.3
4776	M1O	04-224/08:26:02.8		NOTE: North Pole Crossing 11792		04-224/08:04:02.4
4777	M1O	04-224/08:28:10.9		NOTE: Apoapsis 11792 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4804	M1O	04-224/12:50:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4805	M1O	04-224/12:50:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4806	M1O	04-224/12:50:00.0	15	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
4807	M1O	04-224/12:50:00.0	15	Config: RCV: Parms:		
4808	M1O	04-224/12:50:00.0	15	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
4809	M1O	04-224/12:50:00.0	15	Config: TGC: BAND=X, SR=85320.000000		
4810	M1O	04-224/12:50:00.0	15	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
4811	M1O	04-224/12:53:04.4		NOTE: Descending Node Crossing 11795		04-224/12:31:03.8
4812	M1O	04-224/13:22:24.8		NOTE: South Pole Crossing 11795		04-224/13:00:24.2
4813	M1O	04-224/13:23:32.7		NOTE: Periapsis 11795		04-224/13:01:32.2

4814	M1O	04-224/13:51:42.4		NOTE: Ascending Node Crossing 11795		04-224/13:29:41.8
4815	M1O	04-224/14:21:39.4		NOTE: North Pole Crossing 11795		04-224/13:59:38.8
4816	M1O	04-224/14:23:36.6		NOTE: Apoapsis 11795 -		04-224/14:01:36.0
4817	M1O	04-224/14:25:58.7	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
4818	M1O	04-224/14:50:00.0	15	Begin Tracking		
4819	M1O	04-224/14:50:00.0	15	Acquire D/L: X/08, 3-Way/55, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4820	M1O	04-224/14:50:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
4821	M1O	04-224/14:51:39.7		NOTE: Descending Node Crossing 11796		04-224/14:29:39.1
4822	M1O	04-224/14:55:03.0	15	NOTE: Above Uplink Interlock Limit		
4823	M1O	04-224/15:00:00.0	55	Range Modulation Off		
4824	M1O	04-224/15:05:00.0	55	X-Band Transmitter Off		
4825	M1O	04-224/15:10:00.0	55	End Tracking		
4826	M1O	04-224/15:21:00.2		NOTE: South Pole Crossing 11796		04-224/14:58:59.5
4827	M1O	04-224/15:22:14.0		NOTE: Periapsis 11796		04-224/15:00:13.4

4828	M1O	04-224/15:25:00.0	55	End Post-Cal		
4829	M1O	04-224/15:47:59.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-224/15:25:58.4
4830	M1O	04-224/15:48:01.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-224/15:26:00.5
4831	M1O	04-224/15:48:01.2	15	D/L Change: X/08, 3-Way/55, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4832	M1O	04-224/15:48:02.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-224/15:26:01.5
4833	M1O	04-224/15:49:01.2	15	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4834	M1O	04-224/15:50:17.5		NOTE: Ascending Node Crossing 11796		04-224/15:28:16.8
4835	M1O	04-224/15:54:01.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-224/15:32:00.5
4836	M1O	04-224/15:54:01.2	15	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4837	M1O	04-224/15:54:02.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-224/15:32:01.5
4838	M1O	04-224/16:20:15.3		NOTE: North Pole Crossing 11796		04-224/15:58:14.6
4839	M1O	04-224/16:22:05.7		NOTE: Apoapsis 11796 -		04-224/16:00:05.0
4840	M1O	04-224/16:50:16.6		NOTE: Descending Node Crossing 11797		04-224/16:28:15.9
4841	M1O	04-224/17:19:36.9		NOTE: South Pole Crossing 11797		04-224/16:57:36.2
4842	M1O	04-224/17:20:48.9		NOTE: Periapsis 11797		04-224/16:58:48.1

4843	M1O	04-224/17:48:53.9		NOTE: Ascending Node Crossing 11797		04-224/17:26:53.2
4844	M1O	04-224/18:18:51.5		NOTE: North Pole Crossing 11797		04-224/17:56:50.8
4845	M1O	04-224/18:20:27.0		NOTE: Apoapsis 11797 -		04-224/17:58:26.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4846	M1O	04-224/18:48:52.3		NOTE: Descending Node Crossing 11798		04-224/18:26:51.6
4847	M1O	04-224/19:18:12.8		NOTE: South Pole Crossing 11798		04-224/18:56:12.0
4848	M1O	04-224/19:19:21.2		NOTE: Periapsis 11798		04-224/18:57:20.4

4849	M1O	04-224/19:47:29.9		NOTE: Ascending Node Crossing 11798		04-224/19:25:29.1
4850	M1O	04-224/20:17:26.4		NOTE: North Pole Crossing 11798		04-224/19:55:25.6
4851	M1O	04-224/20:18:53.0		NOTE: Apoapsis 11798 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4888	M1O	04-224/23:15:00.1	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4889	M1O	04-224/23:15:00.1	43	D/L Change: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4890	M1O	04-224/23:15:16.7		NOTE: South Pole Crossing 11800		04-224/22:53:15.8
4891	M1O	04-224/23:16:23.2		NOTE: Periapsis 11800		04-224/22:54:22.3

4892	M1O	04-224/23:20:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-224/22:57:59.3
4893	M1O	04-224/23:20:00.2	15	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4894	M1O	04-224/23:20:00.2	43	D/L Change: X/08, 3-Way/15, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4895	M1O	04-224/23:20:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-224/22:58:00.3
4896	M1O	04-224/23:44:33.2		NOTE: Ascending Node Crossing 11800		04-224/23:22:32.3
4897	M1O	04-225/00:00:00.0		Light Time: OWLT = 22:00, RTLT = 44:01		
4898	M1O	04-225/00:14:29.4		NOTE: North Pole Crossing 11800		04-224/23:52:28.4
4899	M1O	04-225/00:16:01.3		NOTE: Apoapsis 11800 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4931	M1O	04-225/05:15:00.0	55	Config: TGC: BAND=X, SR=238896.000000		
4932	M1O	04-225/05:15:00.0	55	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
4933	M1O	04-225/05:22:57.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
4934	M1O	04-225/05:32:57.0	43	Range Modulation Off		
4935	M1O	04-225/05:37:57.0	43	X-Band Transmitter Off		
4936	M1O	04-225/05:40:17.2		NOTE: Ascending Node Crossing 11803		04-225/05:18:16.1
4937	M1O	04-225/06:10:13.6		NOTE: North Pole Crossing 11803		04-225/05:48:12.5
4938	M1O	04-225/06:10:38.1		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-225/05:48:37.0
4939	M1O	04-225/06:10:38.2		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-225/05:48:37.1
4940	M1O	04-225/06:10:39.2		Forces a desaturation of the reaction wheels.	RW_DESAT	04-225/05:48:38.1
4941	M1O	04-225/06:10:49.1		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, TRUE	cend	04-225/05:48:48.0
4942	M1O	04-225/06:11:04.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-223T05:48:48.100, 2004-225T05:48:48.100	PCKTS_RE_TX_TIME	04-225/05:49:03.8
4943	M1O	04-225/06:11:05.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-223T05:48:48.100, 2004-225T05:48:48.100	PCKTS_RE_TX_TIME	04-225/05:49:04.8
4944	M1O	04-225/06:11:06.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-223T05:48:48.100, 2004-225T05:48:48.100	PCKTS_RE_TX_TIME	04-225/05:49:05.8
4945	M1O	04-225/06:11:07.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-223T05:48:48.100, 2004-225T05:48:48.100	PCKTS_RE_TX_TIME	04-225/05:49:06.8
4946	M1O	04-225/06:11:08.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-223T05:48:48.100, 2004-225T05:48:48.100	PCKTS_RE_TX_TIME	04-225/05:49:07.8
4947	M1O	04-225/06:11:09.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-223T05:48:48.100, 2004-225T05:48:48.100	PCKTS_RE_TX_TIME	04-225/05:49:08.8
4948	M1O	04-225/06:11:09.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-225/05:49:08.8
4949	M1O	04-225/06:11:09.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4950	M1O	04-225/06:12:15.9		NOTE: Apoapsis 11803 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4971	M1O	04-225/06:39:40.0	43	Range Modulation On: SUP=3.0dB		
4972	M1O	04-225/06:40:13.6		NOTE: Descending Node Crossing 11804		04-225/06:18:12.5
4973	M1O	04-225/06:40:40.0	43	Begin Ranging Acquisition		
4974	M1O	04-225/07:00:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
4975	M1O	04-225/07:00:13.1		GV: GV_DESAT_ACTIVE = 1		04-225/06:38:12.0
4976	M1O	04-225/07:00:14.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-225/06:38:13.0
4977	M1O	04-225/07:00:14.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-225/06:38:13.0
4978	M1O	04-225/07:09:35.0		NOTE: South Pole Crossing 11804		04-225/06:47:33.8
4979	M1O	04-225/07:10:00.0	43	Range Modulation Off		
4980	M1O	04-225/07:10:13.1		GV: GV_DESAT_ACTIVE = 0		04-225/06:48:12.0
4981	M1O	04-225/07:10:14.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-225/06:48:13.0
4982	M1O	04-225/07:10:15.1		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-225/06:48:14.0
4983	M1O	04-225/07:10:16.1		CALL, Engine = , Parameters =	unpark_hga	04-225/06:48:15.0
4984	M1O	04-225/07:10:16.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-225/06:48:15.0
4985	M1O	04-225/07:10:17.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-225/06:48:16.0
4986	M1O	04-225/07:11:10.5		NOTE: Periapsis 11804 ----------		04-225/06:49:09.3
4987	M1O	04-225/07:14:47.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-225/06:52:46.0
4988	M1O	04-225/07:14:48.1		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-225/06:52:47.0
4989	M1O	04-225/07:15:00.0	55	Begin Tracking		
4990	M1O	04-225/07:15:00.0	43	X-Band Transmitter Off		
4991	M1O	04-225/07:18:13.1		SPAWN, Engine = 65535, Parameters = 00:07:04.107	cstr	04-225/06:56:12.0
4992	M1O	04-225/07:18:13.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-225/06:56:12.1
4993	M1O	04-225/07:18:14.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-225/06:56:13.1
4994	M1O	04-225/07:18:15.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-225/06:56:14.1
4995	M1O	04-225/07:18:16.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-225/06:56:15.1
4996	M1O	04-225/07:18:17.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-225/06:56:16.1
4997	M1O	04-225/07:18:27.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-225/06:56:26.1
4998	M1O	04-225/07:18:37.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-225/06:56:36.1
4999	M1O	04-225/07:18:48.1		NOTE: EXIT HGA PARK		
5000	M1O	04-225/07:18:48.1	43	Acquisition Of X-Band Signal		
5001	M1O	04-225/07:18:48.1	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5002	M1O	04-225/07:18:48.1	55	Acquisition Of X-Band Signal		
5003	M1O	04-225/07:18:48.1	55	Acquire D/L: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5004	M1O	04-225/07:21:10.0	55	NOTE: Above Uplink Interlock Limit		
5005	M1O	04-225/07:22:01.1		SPAWN, Engine = 65535, Parameters =	scdiag	04-225/07:00:00.0
5006	M1O	04-225/07:22:02.2		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-225/07:00:01.1
5007	M1O	04-225/07:22:03.2		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-225/07:00:02.1
5008	M1O	04-225/07:23:04.1		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-225/07:01:03.0
5009	M1O	04-225/07:23:04.3		NOTE: Start Block fsw_diag		04-225/07:01:03.2
5010	M1O	04-225/07:23:05.3		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-225/07:01:04.2
5011	M1O	04-225/07:23:06.3		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,	FSW_VX_CMD	04-225/07:01:05.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				0x73636543,0x6F756E74,0x2C312C34,0x0000]		
5012	M1O	04-225/07:23:17.3		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	04-225/07:01:16.2
5013	M1O	04-225/07:23:47.3		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-225/07:01:46.2
5014	M1O	04-225/07:24:07.3		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-225/07:02:06.2
5015	M1O	04-225/07:24:17.3		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-225/07:02:16.2
5016	M1O	04-225/07:24:37.3		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-225/07:02:36.2
5017	M1O	04-225/07:24:47.3		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-225/07:02:46.2
5018	M1O	04-225/07:24:52.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-225/07:02:51.2
5019	M1O	04-225/07:24:57.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-225/07:02:56.2
5020	M1O	04-225/07:25:02.3		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-225/07:03:01.2
5021	M1O	04-225/07:25:07.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-225/07:03:06.2
5022	M1O	04-225/07:25:12.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-225/07:03:11.2
5023	M1O	04-225/07:25:41.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-225/07:03:40.2
5024	M1O	04-225/07:25:42.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-225/07:03:41.2
5025	M1O	04-225/07:25:42.3	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5026	M1O	04-225/07:25:42.3	55	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5027	M1O	04-225/07:25:43.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-225/07:03:42.2
5028	M1O	04-225/07:25:52.3		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-225/07:03:51.2
5029	M1O	04-225/07:25:57.3		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-225/07:03:56.2
5030	M1O	04-225/07:26:02.3		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-225/07:04:01.2
5031	M1O	04-225/07:26:07.3		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-225/07:04:06.2
5032	M1O	04-225/07:26:12.3		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-225/07:04:11.2
5033	M1O	04-225/07:26:13.3		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-225/07:04:12.2
5034	M1O	04-225/07:26:14.3		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-225/07:04:13.2
5035	M1O	04-225/07:26:15.3		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-225/07:04:14.2
5036	M1O	04-225/07:26:26.3		NOTE: End Block fsw_diag.mod		04-225/07:04:25.2
5037	M1O	04-225/07:26:44.0	43	NOTE: Below Uplink Interlock Limit		
5038	M1O	04-225/07:33:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-225/07:11:56.8
5039	M1O	04-225/07:34:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-225/07:11:58.9
5040	M1O	04-225/07:34:00.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5041	M1O	04-225/07:34:00.1	55	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5042	M1O	04-225/07:34:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-225/07:11:59.9
5043	M1O	04-225/07:35:00.0	43	End Tracking		
5044	M1O	04-225/07:35:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-225/07:12:58.8
5045	M1O	04-225/07:35:00.0		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	04-225/07:12:58.8
5046	M1O	04-225/07:35:00.0	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5047	M1O	04-225/07:38:52.5		NOTE: Ascending Node Crossing 11804		04-225/07:16:51.3
5048	M1O	04-225/07:40:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-225/07:17:58.9
5049	M1O	04-225/07:40:00.1	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5050	M1O	04-225/07:40:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-225/07:17:59.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5051	M1O	04-225/07:50:00.0	43	End Post-Cal		
5052	M1O	04-225/07:58:00.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-225/07:35:59.1
5053	M1O	04-225/07:58:02.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-225/07:36:01.2
5054	M1O	04-225/07:58:02.4	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5055	M1O	04-225/07:58:03.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-225/07:36:02.2
5056	M1O	04-225/07:59:02.3	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5057	M1O	04-225/08:04:02.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-225/07:42:01.2
5058	M1O	04-225/08:04:02.4	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5059	M1O	04-225/08:04:03.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-225/07:42:02.2
5060	M1O	04-225/08:08:48.9		NOTE: North Pole Crossing 11804		04-225/07:46:47.7
5061	M1O	04-225/08:10:59.2		NOTE: Apoapsis 11804 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5091	M1O	04-225/12:55:00.0	26	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
5092	M1O	04-225/12:55:00.0	26	Config: RCV: Parms:		
5093	M1O	04-225/12:55:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
5094	M1O	04-225/12:55:00.0	26	Config: TGC: BAND=X, SR=85320.000000		
5095	M1O	04-225/12:55:00.0	26	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
5096	M1O	04-225/13:05:10.7		NOTE: South Pole Crossing 11807		04-225/12:43:09.3
5097	M1O	04-225/13:06:11.3		NOTE: Periapsis 11807		04-225/12:44:09.9

5098	M1O	04-225/13:34:27.9		NOTE: Ascending Node Crossing 11807		04-225/13:12:26.5
5099	M1O	04-225/14:04:24.3		NOTE: North Pole Crossing 11807		04-225/13:42:22.9
5100	M1O	04-225/14:06:12.6		NOTE: Apoapsis 11807 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5133	M1O	04-225/20:15:00.0	43	Begin Pre-Cal		
5134	M1O	04-225/20:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5135	M1O	04-225/20:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5136	M1O	04-225/20:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5137	M1O	04-225/20:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5138	M1O	04-225/20:15:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
5139	M1O	04-225/20:15:00.0	43	Config: RCV: Parms:		
5140	M1O	04-225/20:15:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
5141	M1O	04-225/20:15:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
5142	M1O	04-225/20:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
5143	M1O	04-225/20:30:11.7		NOTE: Descending Node Crossing 11811		04-225/20:08:10.1
5144	M1O	04-225/20:59:31.9		NOTE: South Pole Crossing 11811		04-225/20:37:30.2
5145	M1O	04-225/21:00:38.0		NOTE: Periapsis 11811		04-225/20:38:36.4

5146	M1O	04-225/21:28:49.0		NOTE: Ascending Node Crossing 11811		04-225/21:06:47.3
5147	M1O	04-225/21:58:45.1		NOTE: North Pole Crossing 11811		04-225/21:36:43.4
5148	M1O	04-225/22:00:12.5		NOTE: Apoapsis 11811 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
5177	M1O	04-226/00:04:03.4	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5178	M1O	04-226/00:09:31.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-225/23:47:30.0
5179	M1O	04-226/00:09:31.7	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		
5180	M1O	04-226/00:09:31.7	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5181	M1O	04-226/00:27:15.2		NOTE: Descending Node Crossing 11813		04-226/00:05:13.4
5182	M1O	04-226/00:56:33.9		NOTE: South Pole Crossing 11813		04-226/00:34:32.2
5183	M1O	04-226/00:57:27.1		NOTE: Periapsis 11813		04-226/00:35:25.3

5184	M1O	04-226/01:25:50.3		NOTE: Ascending Node Crossing 11813		04-226/01:03:48.5
5185	M1O	04-226/01:45:56.3	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
5186	M1O	04-226/01:50:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
5187	M1O	04-226/01:55:47.5		NOTE: North Pole Crossing 11813		04-226/01:33:45.7
5188	M1O	04-226/01:57:03.5		NOTE: Apoapsis 11813 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
5217	M1O	04-226/04:04:03.6	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5218	M1O	04-226/04:04:04.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-226/03:42:02.7
5219	M1O	04-226/04:24:22.1		NOTE: Descending Node Crossing 11815		04-226/04:02:20.2
5220	M1O	04-226/04:53:42.9		NOTE: South Pole Crossing 11815		04-226/04:31:41.0
5221	M1O	04-226/04:54:41.5		NOTE: Periapsis 11815		04-226/04:32:39.6

5222	M1O	04-226/05:05:41.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
5223	M1O	04-226/05:15:41.0	43	Range Modulation Off		
5224	M1O	04-226/05:20:41.0	43	X-Band Transmitter Off		
5225	M1O	04-226/05:23:01.1		NOTE: Ascending Node Crossing 11815		04-226/05:00:59.2
5226	M1O	04-226/05:52:58.2		NOTE: North Pole Crossing 11815		04-226/05:30:56.3
5227	M1O	04-226/05:53:22.9		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-226/05:31:21.0
5228	M1O	04-226/05:53:23.0		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-226/05:31:21.1
5229	M1O	04-226/05:53:24.0		Forces a desaturation of the reaction wheels.	RW_DESAT	04-226/05:31:22.1
5230	M1O	04-226/05:53:33.9		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	04-226/05:31:32.0
5231	M1O	04-226/05:53:49.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-224T05:31:32.100, 2004-226T05:31:32.100	PCKTS_RE_TX_TIME	04-226/05:31:47.8
5232	M1O	04-226/05:53:50.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-224T05:31:32.100, 2004-226T05:31:32.100	PCKTS_RE_TX_TIME	04-226/05:31:48.8
5233	M1O	04-226/05:53:51.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-224T05:31:32.100, 2004-226T05:31:32.100	PCKTS_RE_TX_TIME	04-226/05:31:49.8
5234	M1O	04-226/05:53:52.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-224T05:31:32.100, 2004-226T05:31:32.100	PCKTS_RE_TX_TIME	04-226/05:31:50.8
5235	M1O	04-226/05:53:53.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-224T05:31:32.100, 2004-226T05:31:32.100	PCKTS_RE_TX_TIME	04-226/05:31:51.8
5236	M1O	04-226/05:53:54.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-224T05:31:32.100, 2004-226T05:31:32.100	PCKTS_RE_TX_TIME	04-226/05:31:52.8
5237	M1O	04-226/05:53:54.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-226/05:31:52.8
5238	M1O	04-226/05:53:54.7	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5239	M1O	04-226/05:54:36.0		NOTE: Apoapsis 11815 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				softstops.: HGA, -87, -87		
5256	M1O	04-226/06:09:28.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-226/05:47:26.1
5257	M1O	04-226/06:12:58.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-226/05:50:56.1
5258	M1O	04-226/06:12:58.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-226/05:50:56.1
5259	M1O	04-226/06:17:24.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5260	M1O	04-226/06:22:24.0	43	Range Modulation On: SUP=3.0dB		
5261	M1O	04-226/06:22:58.4		NOTE: Descending Node Crossing 11816		04-226/06:00:56.5
5262	M1O	04-226/06:23:24.0	43	Begin Ranging Acquisition		
5263	M1O	04-226/06:30:55.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
5264	M1O	04-226/06:40:55.0	43	Range Modulation Off		
5265	M1O	04-226/06:42:57.9		GV: GV_DESAT_ACTIVE = 1		04-226/06:20:56.0
5266	M1O	04-226/06:42:58.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-226/06:20:57.0
5267	M1O	04-226/06:42:58.9		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-226/06:20:57.0
5268	M1O	04-226/06:45:55.0	43	X-Band Transmitter Off		
5269	M1O	04-226/06:52:19.7		NOTE: South Pole Crossing 11816		04-226/06:30:17.7
5270	M1O	04-226/06:52:57.9		GV: GV_DESAT_ACTIVE = 0		04-226/06:30:56.0
5271	M1O	04-226/06:52:58.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-226/06:30:57.0
5272	M1O	04-226/06:52:59.9		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-226/06:30:58.0
5273	M1O	04-226/06:53:00.9		CALL, Engine = , Parameters =	unpark_hga	04-226/06:30:59.0
5274	M1O	04-226/06:53:00.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-226/06:30:59.0
5275	M1O	04-226/06:53:01.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-226/06:31:00.0
5276	M1O	04-226/06:53:42.9		NOTE: Periapsis 11816		04-226/06:31:40.9

5277	M1O	04-226/06:57:31.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-226/06:35:30.0
5278	M1O	04-226/06:57:32.9		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-226/06:35:31.0
5279	M1O	04-226/07:00:57.9		SPAWN, Engine = 65535, Parameters = 00:07:04.893	cstr	04-226/06:38:56.0
5280	M1O	04-226/07:00:58.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-226/06:38:56.1
5281	M1O	04-226/07:00:59.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-226/06:38:57.1
5282	M1O	04-226/07:01:00.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-226/06:38:58.1
5283	M1O	04-226/07:01:01.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-226/06:38:59.1
5284	M1O	04-226/07:01:02.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-226/06:39:00.1
5285	M1O	04-226/07:01:12.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-226/06:39:10.1
5286	M1O	04-226/07:01:22.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-226/06:39:20.1
5287	M1O	04-226/07:01:32.9		NOTE: EXIT HGA PARK		
5288	M1O	04-226/07:01:32.9	43	Acquisition Of X-Band Signal		
5289	M1O	04-226/07:01:32.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5290	M1O	04-226/07:08:26.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-226/06:46:24.9
5291	M1O	04-226/07:08:27.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-226/06:46:25.9
5292	M1O	04-226/07:08:27.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5293	M1O	04-226/07:08:28.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-226/06:46:26.9
5294	M1O	04-226/07:18:48.9		SPAWN, Engine = 65535, Parameters = 48, 00:10:00, FALSE	cend	04-226/06:56:47.0
5295	M1O	04-226/07:19:04.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-224T06:56:47.100, 2004-226T06:56:47.100	PCKTS_RE_TX_TIME	04-226/06:57:02.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5296	M1O	04-226/07:19:05.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-224T06:56:47.100, 2004-226T06:56:47.100	PCKTS_RE_TX_TIME	04-226/06:57:03.8
5297	M1O	04-226/07:19:06.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-224T06:56:47.100, 2004-226T06:56:47.100	PCKTS_RE_TX_TIME	04-226/06:57:04.8
5298	M1O	04-226/07:19:07.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-224T06:56:47.100, 2004-226T06:56:47.100	PCKTS_RE_TX_TIME	04-226/06:57:05.8
5299	M1O	04-226/07:19:08.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-224T06:56:47.100, 2004-226T06:56:47.100	PCKTS_RE_TX_TIME	04-226/06:57:06.8
5300	M1O	04-226/07:19:09.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-224T06:56:47.100, 2004-226T06:56:47.100	PCKTS_RE_TX_TIME	04-226/06:57:07.8
5301	M1O	04-226/07:19:09.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-226/06:57:07.8
5302	M1O	04-226/07:19:09.7	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5303	M1O	04-226/07:21:37.6		NOTE: Ascending Node Crossing 11816		04-226/06:59:35.6
5304	M1O	04-226/07:22:01.9		SPAWN, Engine = 65535, Parameters =	scdiag	04-226/07:00:00.0
5305	M1O	04-226/07:22:03.0		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-226/07:00:01.1
5306	M1O	04-226/07:22:04.0		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-226/07:00:02.1
5307	M1O	04-226/07:23:04.9		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-226/07:01:03.0
5308	M1O	04-226/07:23:05.1		NOTE: Start Block fsw_diag		04-226/07:01:03.2
5309	M1O	04-226/07:23:06.1		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-226/07:01:04.2
5310	M1O	04-226/07:23:07.1		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	04-226/07:01:05.2
5311	M1O	04-226/07:23:18.1		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	04-226/07:01:16.2
5312	M1O	04-226/07:23:48.1		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-226/07:01:46.2
5313	M1O	04-226/07:24:08.1		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-226/07:02:06.2
5314	M1O	04-226/07:24:18.1		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-226/07:02:16.2
5315	M1O	04-226/07:24:38.1		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-226/07:02:36.2
5316	M1O	04-226/07:24:48.1		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-226/07:02:46.2
5317	M1O	04-226/07:24:53.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-226/07:02:51.2
5318	M1O	04-226/07:24:58.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-226/07:02:56.2
5319	M1O	04-226/07:25:03.1		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-226/07:03:01.2
5320	M1O	04-226/07:25:08.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-226/07:03:06.2
5321	M1O	04-226/07:25:13.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-226/07:03:11.2
5322	M1O	04-226/07:25:53.1		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-226/07:03:51.2
5323	M1O	04-226/07:25:58.1		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-226/07:03:56.2
5324	M1O	04-226/07:26:00.0	43	NOTE: Below Uplink Interlock Limit		
5325	M1O	04-226/07:26:03.1		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-226/07:04:01.2
5326	M1O	04-226/07:26:08.1		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-226/07:04:06.2
5327	M1O	04-226/07:26:13.1		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-226/07:04:11.2
5328	M1O	04-226/07:26:14.1		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-226/07:04:12.2
5329	M1O	04-226/07:26:15.1		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-226/07:04:13.2
5330	M1O	04-226/07:26:16.1		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-226/07:04:14.2
5331	M1O	04-226/07:26:27.1		NOTE: End Block fsw_diag.mod		04-226/07:04:25.2
5332	M1O	04-226/07:29:10.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-226/07:07:08.8
5333	M1O	04-226/07:29:10.7	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5334	M1O	04-226/07:29:11.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-226/07:07:09.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5335	M1O	04-226/07:29:27.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-226/07:07:25.8
5336	M1O	04-226/07:29:27.7	43	D/L RF Warning: SC antenna change - expect signal level variation		
5337	M1O	04-226/07:29:28.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-226/07:07:26.8
5338	M1O	04-226/07:29:58.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5339	M1O	04-226/07:30:00.0	43	End Tracking		
5340	M1O	04-226/07:45:00.0	43	End Post-Cal		
5341	M1O	04-226/07:51:34.5		NOTE: North Pole Crossing 11816		04-226/07:29:32.5
5342	M1O	04-226/07:53:35.1		NOTE: Apoapsis 11816 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5380	M1O	04-226/12:45:00.0	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5381	M1O	04-226/12:46:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5382	M1O	04-226/12:47:58.8		NOTE: South Pole Crossing 11819		04-226/12:25:56.6
5383	M1O	04-226/12:48:58.9		NOTE: Periapsis 11819		04-226/12:26:56.8

5384	M1O	04-226/12:51:59.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-226/12:29:56.9
5385	M1O	04-226/12:52:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-226/12:29:57.9
5386	M1O	04-226/12:52:00.1	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5387	M1O	04-226/12:52:01.1		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-226/12:29:58.9
5388	M1O	04-226/13:17:15.3		NOTE: Ascending Node Crossing 11819		04-226/12:55:13.1
5389	M1O	04-226/13:29:02.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-226/13:07:00.0
5390	M1O	04-226/13:29:04.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-226/13:07:02.1
5391	M1O	04-226/13:29:04.3	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5392	M1O	04-226/13:29:05.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-226/13:07:03.1
5393	M1O	04-226/13:30:04.2	55	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5394	M1O	04-226/13:35:04.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-226/13:13:02.1
5395	M1O	04-226/13:35:04.3	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5396	M1O	04-226/13:35:05.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-226/13:13:03.1
5397	M1O	04-226/13:47:11.3		NOTE: North Pole Crossing 11819		04-226/13:25:09.1
5398	M1O	04-226/13:48:55.5		NOTE: Apoapsis 11819 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5422	M1O	04-226/18:14:22.6		NOTE: Descending Node Crossing 11822		04-226/17:52:20.3
5423	M1O	04-226/18:20:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
5424	M1O	04-226/18:30:00.0	26	Begin Tracking		
5425	M1O	04-226/18:30:00.0	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		
5426	M1O	04-226/18:35:00.0	55	X-Band Transmitter Off		
5427	M1O	04-226/18:43:42.5		NOTE: South Pole Crossing 11822		04-226/18:21:40.2
5428	M1O	04-226/18:44:47.3		NOTE: Periapsis 11822 ----------		04-226/18:22:45.0
5429	M1O	04-226/18:49:51.0	55	NOTE: Below Uplink Interlock Limit		
5430	M1O	04-226/18:50:00.0	55	End Tracking		
5431	M1O	04-226/19:05:00.0	55	End Post-Cal		
5432	M1O	04-226/19:12:59.4		NOTE: Ascending Node Crossing 11822		04-226/18:50:57.1
5433	M1O	04-226/19:18:02.6		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-226/18:56:00.2
5434	M1O	04-226/19:18:04.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-226/18:56:02.3
5435	M1O	04-226/19:18:04.7	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		
5436	M1O	04-226/19:18:05.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-226/18:56:03.3
5437	M1O	04-226/19:19:04.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5438	M1O	04-226/19:24:04.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-226/19:02:02.3
5439	M1O	04-226/19:24:04.7	26	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5440	M1O	04-226/19:24:05.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-226/19:02:03.3
5441	M1O	04-226/19:42:57.4		NOTE: North Pole Crossing 11822		04-226/19:20:55.0
5442	M1O	04-226/19:44:22.0		NOTE: Apoapsis 11822 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5464	M1O	04-226/22:15:00.0	43	Begin Tracking		
5465	M1O	04-226/22:15:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5466	M1O	04-226/22:15:00.1		NOTE: Changing to 70M downlink rate: 39816_BPS		04-226/21:52:57.6
5467	M1O	04-226/22:15:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-226/21:52:57.6
5468	M1O	04-226/22:15:00.1	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5469	M1O	04-226/22:15:00.1	26	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5470	M1O	04-226/22:18:04.0	43	NOTE: Above Uplink Interlock Limit		
5471	M1O	04-226/22:20:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-226/21:57:57.7
5472	M1O	04-226/22:20:00.2	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5473	M1O	04-226/22:20:00.2	26	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5474	M1O	04-226/22:20:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-226/21:57:58.7
5475	M1O	04-226/22:40:51.5		NOTE: South Pole Crossing 11824		04-226/22:18:49.0
5476	M1O	04-226/22:41:54.7		NOTE: Periapsis 11824 ----------		04-226/22:19:52.3
5477	M1O	04-226/23:10:08.4		NOTE: Ascending Node Crossing 11824		04-226/22:48:06.0
5478	M1O	04-226/23:40:04.3		NOTE: North Pole Crossing 11824		04-226/23:18:01.9
5479	M1O	04-226/23:41:33.6		NOTE: Apoapsis 11824 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5505	M1O	04-227/02:38:31.2		NOTE: Periapsis 11826		04-227/02:16:28.6

5506	M1O	04-227/02:45:00.0	26	End Post-Cal		
5507	M1O	04-227/03:07:10.0		NOTE: Ascending Node Crossing 11826		04-227/02:45:07.4
5508	M1O	04-227/03:37:07.6		NOTE: North Pole Crossing 11826		04-227/03:15:05.0
5509	M1O	04-227/03:38:10.0		NOTE: Apoapsis 11826 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5546	M1O	04-227/05:46:59.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-227/05:24:56.8
5547	M1O	04-227/05:47:30.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5548	M1O	04-227/05:47:38.7		CALL, Engine = , Parameters = FALSE	park_hga	04-227/05:25:36.1
5549	M1O	04-227/05:47:38.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-227/05:25:36.1
5550	M1O	04-227/05:47:39.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-227/05:25:37.1
5551	M1O	04-227/05:47:40.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-227/05:25:38.1
5552	M1O	04-227/05:47:40.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-227/05:25:38.1
5553	M1O	04-227/05:47:40.7		NOTE: START HGA PARK		
5554	M1O	04-227/05:47:40.7	43	NOTE: Loss Of X-Band Signal		
5555	M1O	04-227/05:47:41.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-227/05:25:39.1
5556	M1O	04-227/05:47:42.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-227/05:25:40.1
5557	M1O	04-227/05:52:12.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-227/05:30:10.1
5558	M1O	04-227/05:55:42.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-227/05:33:40.1
5559	M1O	04-227/05:55:42.7		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-227/05:33:40.1
5560	M1O	04-227/06:00:08.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5561	M1O	04-227/06:05:08.0	43	Range Modulation On: SUP=3.0dB		
5562	M1O	04-227/06:05:43.0		NOTE: Descending Node Crossing 11828		04-227/05:43:40.3
5563	M1O	04-227/06:06:08.0	43	Begin Ranging Acquisition		
5564	M1O	04-227/06:25:42.6		GV: GV_DESAT_ACTIVE = 1		04-227/06:03:40.0
5565	M1O	04-227/06:25:43.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-227/06:03:41.0
5566	M1O	04-227/06:25:43.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-227/06:03:41.0
5567	M1O	04-227/06:35:04.1		NOTE: South Pole Crossing 11828		04-227/06:13:01.4
5568	M1O	04-227/06:35:42.6		GV: GV_DESAT_ACTIVE = 0		04-227/06:13:40.0
5569	M1O	04-227/06:35:43.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-227/06:13:41.0
5570	M1O	04-227/06:35:44.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-227/06:13:42.0
5571	M1O	04-227/06:35:45.6		CALL, Engine = , Parameters =	unpark_hga	04-227/06:13:43.0
5572	M1O	04-227/06:35:45.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-227/06:13:43.0
5573	M1O	04-227/06:35:46.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-227/06:13:44.0
5574	M1O	04-227/06:36:14.2		NOTE: Periapsis 11828		04-227/06:14:11.5

5575	M1O	04-227/06:40:16.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-227/06:18:14.0
5576	M1O	04-227/06:40:17.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-227/06:18:15.0
5577	M1O	04-227/06:43:42.7		SPAWN, Engine = 65535, Parameters = 00:07:05.646	cstr	04-227/06:21:40.0
5578	M1O	04-227/06:43:42.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-227/06:21:40.1
5579	M1O	04-227/06:43:43.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-227/06:21:41.1
5580	M1O	04-227/06:43:44.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-227/06:21:42.1
5581	M1O	04-227/06:43:45.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-227/06:21:43.1
5582	M1O	04-227/06:43:46.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-227/06:21:44.1
5583	M1O	04-227/06:43:56.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-227/06:21:54.1
5584	M1O	04-227/06:44:06.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-227/06:22:04.1
5585	M1O	04-227/06:44:17.7		NOTE: EXIT HGA PARK		
5586	M1O	04-227/06:44:17.7	43	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5587	M1O	04-227/06:44:17.7	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5588	M1O	04-227/06:45:54.5	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
5589	M1O	04-227/06:51:12.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-227/06:29:09.7
5590	M1O	04-227/06:51:13.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-227/06:29:10.7
5591	M1O	04-227/06:51:13.4	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5592	M1O	04-227/06:51:14.4		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-227/06:29:11.7
5593	M1O	04-227/07:00:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
5594	M1O	04-227/07:04:22.4		NOTE: Ascending Node Crossing 11828		04-227/06:42:19.6
5595	M1O	04-227/07:10:00.0	43	Range Modulation Off		
5596	M1O	04-227/07:15:00.0	63	Begin Tracking		
5597	M1O	04-227/07:15:00.0	63	Acquire D/L: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5598	M1O	04-227/07:15:00.0	43	X-Band Transmitter Off		
5599	M1O	04-227/07:18:02.0	63	NOTE: Above Uplink Interlock Limit		
5600	M1O	04-227/07:22:02.7		SPAWN, Engine = 65535, Parameters =	scdiag	04-227/07:00:00.0
5601	M1O	04-227/07:22:03.8		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-227/07:00:01.1
5602	M1O	04-227/07:22:04.8		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-227/07:00:02.1
5603	M1O	04-227/07:23:05.7		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-227/07:01:03.0
5604	M1O	04-227/07:23:05.9		NOTE: Start Block fsw_diag		04-227/07:01:03.2
5605	M1O	04-227/07:23:06.9		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-227/07:01:04.2
5606	M1O	04-227/07:23:07.9		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	04-227/07:01:05.2
5607	M1O	04-227/07:23:18.9		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	04-227/07:01:16.2
5608	M1O	04-227/07:23:48.9		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-227/07:01:46.2
5609	M1O	04-227/07:24:08.9		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-227/07:02:06.2
5610	M1O	04-227/07:24:18.9		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-227/07:02:16.2
5611	M1O	04-227/07:24:38.9		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-227/07:02:36.2
5612	M1O	04-227/07:24:48.9		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-227/07:02:46.2
5613	M1O	04-227/07:24:53.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-227/07:02:51.2
5614	M1O	04-227/07:24:58.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-227/07:02:56.2
5615	M1O	04-227/07:25:03.9		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-227/07:03:01.2
5616	M1O	04-227/07:25:08.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-227/07:03:06.2
5617	M1O	04-227/07:25:13.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-227/07:03:11.2
5618	M1O	04-227/07:25:15.0	43	NOTE: Below Uplink Interlock Limit		
5619	M1O	04-227/07:25:53.9		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-227/07:03:51.2
5620	M1O	04-227/07:25:58.9		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-227/07:03:56.2
5621	M1O	04-227/07:26:03.9		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-227/07:04:01.2
5622	M1O	04-227/07:26:08.9		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-227/07:04:06.2
5623	M1O	04-227/07:26:13.9		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-227/07:04:11.2
5624	M1O	04-227/07:26:14.9		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-227/07:04:12.2
5625	M1O	04-227/07:26:15.9		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-227/07:04:13.2
5626	M1O	04-227/07:26:16.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-227/07:04:14.2
5627	M1O	04-227/07:26:27.9		NOTE: End Block fsw_diag.mod		04-227/07:04:25.2
5628	M1O	04-227/07:30:00.0	43	End Tracking		
5629	M1O	04-227/07:34:19.2		NOTE: North Pole Crossing 11828		04-227/07:12:16.5
5630	M1O	04-227/07:36:09.3		NOTE: Apoapsis 11828 -		04-227/07:14:06.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				-		
5631	M1O	04-227/07:45:00.0	43	End Post-Cal		
5632	M1O	04-227/07:58:03.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-227/07:36:00.6
5633	M1O	04-227/07:58:05.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-227/07:36:02.7
5634	M1O	04-227/07:58:05.4	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		
5635	M1O	04-227/07:58:06.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-227/07:36:03.7
5636	M1O	04-227/07:59:05.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5637	M1O	04-227/08:04:05.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-227/07:42:02.7
5638	M1O	04-227/08:04:05.4	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5639	M1O	04-227/08:04:06.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-227/07:42:03.7
5640	M1O	04-227/08:04:19.3		NOTE: Descending Node Crossing 11829		04-227/07:42:16.6
5641	M1O	04-227/08:33:40.2		NOTE: South Pole Crossing 11829		04-227/08:11:37.4
5642	M1O	04-227/08:35:07.2		NOTE: Periapsis 11829		04-227/08:13:04.5

5643	M1O	04-227/09:02:57.5		NOTE: Ascending Node Crossing 11829		04-227/08:40:54.7
5644	M1O	04-227/09:32:54.4		NOTE: North Pole Crossing 11829		04-227/09:10:51.6
5645	M1O	04-227/09:34:51.4		NOTE: Apoapsis 11829 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5669	M1O	04-227/13:59:56.3		NOTE: Descending Node Crossing 11832		04-227/13:37:53.4
5670	M1O	04-227/14:29:15.6		NOTE: South Pole Crossing 11832		04-227/14:07:12.7
5671	M1O	04-227/14:30:07.8		NOTE: Periapsis 11832		04-227/14:08:04.8

5672	M1O	04-227/14:58:32.8		NOTE: Ascending Node Crossing 11832		04-227/14:36:29.8
5673	M1O	04-227/15:28:29.7		NOTE: North Pole Crossing 11832		04-227/15:06:26.7
5674	M1O	04-227/15:30:05.6		NOTE: Apoapsis 11832 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5714	M1O	04-227/18:59:06.1	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5715	M1O	04-227/19:00:00.0	63	End Tracking		
5716	M1O	04-227/19:00:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-227/18:37:56.9
5717	M1O	04-227/19:00:00.0		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	04-227/18:37:56.9
5718	M1O	04-227/19:00:00.0	26	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5719	M1O	04-227/19:05:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-227/18:42:57.0
5720	M1O	04-227/19:05:00.1	26	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5721	M1O	04-227/19:05:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-227/18:42:58.0
5722	M1O	04-227/19:15:00.0	63	End Post-Cal		
5723	M1O	04-227/19:24:04.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-227/19:02:01.0
5724	M1O	04-227/19:24:06.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-227/19:02:03.1
5725	M1O	04-227/19:24:06.1	26	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5726	M1O	04-227/19:24:07.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-227/19:02:04.1
5727	M1O	04-227/19:25:06.1	26	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5728	M1O	04-227/19:25:41.2		NOTE: North Pole Crossing 11834		04-227/19:03:38.1
5729	M1O	04-227/19:27:04.7		NOTE: Apoapsis 11834 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
5757	M1O	04-227/22:10:00.0	43	Begin Tracking		
5758	M1O	04-227/22:10:00.0	43	Acquire D/L: X/08, 3-Way/26, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5759	M1O	04-227/22:10:00.1		NOTE: Changing to 70M downlink rate: 39816_BPS		04-227/21:47:56.9
5760	M1O	04-227/22:10:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-227/21:47:56.9
5761	M1O	04-227/22:10:00.1	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		
5762	M1O	04-227/22:10:00.1	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5763	M1O	04-227/22:15:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-227/21:52:57.0
5764	M1O	04-227/22:15:00.2	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		
5765	M1O	04-227/22:15:00.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5766	M1O	04-227/22:15:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-227/21:52:58.0
5767	M1O	04-227/22:15:45.0	43	NOTE: Above Uplink Interlock Limit		
5768	M1O	04-227/22:23:36.8		NOTE: South Pole Crossing 11836		04-227/22:01:33.6
5769	M1O	04-227/22:24:34.4		NOTE: Periapsis 11836		04-227/22:02:31.2

5770	M1O	04-227/22:43:03.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-227/22:21:00.0
5771	M1O	04-227/22:43:05.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-227/22:21:02.1
5772	M1O	04-227/22:43:05.2	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		
5773	M1O	04-227/22:43:05.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5774	M1O	04-227/22:43:06.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-227/22:21:03.1
5775	M1O	04-227/22:44:05.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5776	M1O	04-227/22:44:05.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5777	M1O	04-227/22:49:05.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-227/22:27:02.1
5778	M1O	04-227/22:49:05.2	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5779	M1O	04-227/22:49:05.2	26	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5780	M1O	04-227/22:49:06.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-227/22:27:03.1
5781	M1O	04-227/22:52:53.7		NOTE: Ascending Node Crossing 11836		04-227/22:30:50.5
5782	M1O	04-227/23:22:50.3		NOTE: North Pole Crossing 11836		04-227/23:00:47.1
5783	M1O	04-227/23:24:05.2		NOTE: Apoapsis 11836 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5795	M1O	04-228/02:14:24.0	26	NOTE: Below Uplink Interlock Limit		
5796	M1O	04-228/02:20:38.6		NOTE: South Pole Crossing 11838		04-228/01:58:35.4
5797	M1O	04-228/02:21:22.5		NOTE: Periapsis 11838		04-228/01:59:19.2

5798	M1O	04-228/02:25:00.0	26	End Tracking		
5799	M1O	04-228/02:40:00.0	26	End Post-Cal		
5800	M1O	04-228/02:43:04.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-228/02:21:01.1
5801	M1O	04-228/02:43:06.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-228/02:21:03.2
5802	M1O	04-228/02:43:06.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5803	M1O	04-228/02:43:07.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-228/02:21:04.2
5804	M1O	04-228/02:44:06.5	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5805	M1O	04-228/02:49:06.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-228/02:27:03.2
5806	M1O	04-228/02:49:06.5	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5807	M1O	04-228/02:49:07.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-228/02:27:04.2
5808	M1O	04-228/02:49:54.9		NOTE: Ascending Node Crossing 11838		04-228/02:27:51.6
5809	M1O	04-228/03:19:52.6		NOTE: North Pole Crossing 11838		04-228/02:57:49.3
5810	M1O	04-228/03:20:55.2		NOTE: Apoapsis 11838 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5833	M1O	04-228/05:29:28.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5834	M1O	04-228/05:29:29.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-228/05:07:25.8
5835	M1O	04-228/05:29:45.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-228/05:07:41.8
5836	M1O	04-228/05:29:45.1	43	D/L RF Warning: SC antenna change - expect signal level variation		
5837	M1O	04-228/05:29:46.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-228/05:07:42.8
5838	M1O	04-228/05:30:00.0	63	Begin Pre-Cal		
5839	M1O	04-228/05:30:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5840	M1O	04-228/05:30:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5841	M1O	04-228/05:30:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5842	M1O	04-228/05:30:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5843	M1O	04-228/05:30:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
5844	M1O	04-228/05:30:00.0	63	Config: RCV: Parms:		
5845	M1O	04-228/05:30:00.0	63	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
5846	M1O	04-228/05:30:00.0	63	Config: TGC: BAND=X, SR=238896.000000		
5847	M1O	04-228/05:30:00.0	63	Config: TXL		
5848	M1O	04-228/05:30:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
5849	M1O	04-228/05:30:00.0	63	Config: CMD		
5850	M1O	04-228/05:30:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
5851	M1O	04-228/05:30:16.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5852	M1O	04-228/05:30:24.4		CALL, Engine = , Parameters = FALSE	park_hga	04-228/05:08:21.1
5853	M1O	04-228/05:30:24.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-228/05:08:21.1
5854	M1O	04-228/05:30:25.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-228/05:08:22.1
5855	M1O	04-228/05:30:26.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-228/05:08:23.1
5856	M1O	04-228/05:30:26.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-228/05:08:23.1
5857	M1O	04-228/05:30:26.4		NOTE: START HGA PARK		
5858	M1O	04-228/05:30:26.4	43	NOTE: Loss Of X-Band Signal		
5859	M1O	04-228/05:30:27.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-228/05:08:24.1
5860	M1O	04-228/05:30:28.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-228/05:08:25.1
5861	M1O	04-228/05:34:58.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-228/05:12:55.1
5862	M1O	04-228/05:38:28.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-228/05:16:25.1
5863	M1O	04-228/05:38:28.4		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-228/05:16:25.1
5864	M1O	04-228/05:42:53.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5865	M1O	04-228/05:47:53.0	43	Range Modulation On: SUP=3.0dB		
5866	M1O	04-228/05:48:27.4		NOTE: Descending Node Crossing 11840		04-228/05:26:24.0
5867	M1O	04-228/05:48:53.0	43	Begin Ranging Acquisition		
5868	M1O	04-228/06:08:28.4		GV: GV_DESAT_ACTIVE = 1		04-228/05:46:25.0
5869	M1O	04-228/06:08:29.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-228/05:46:26.0
5870	M1O	04-228/06:08:29.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-228/05:46:26.0
5871	M1O	04-228/06:17:47.8		NOTE: South Pole Crossing 11840		04-228/05:55:44.4
5872	M1O	04-228/06:18:28.4		GV: GV_DESAT_ACTIVE = 0		04-228/05:56:25.0
5873	M1O	04-228/06:18:29.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-228/05:56:26.0
5874	M1O	04-228/06:18:30.4		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-228/05:56:27.0
5875	M1O	04-228/06:18:31.4		CALL, Engine = , Parameters =	unpark_hga	04-228/05:56:28.0
5876	M1O	04-228/06:18:31.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-228/05:56:28.0
5877	M1O	04-228/06:18:32.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-228/05:56:29.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5878	M1O	04-228/06:18:39.1		NOTE: Periapsis 11840 ----------		04-228/05:56:35.7
5879	M1O	04-228/06:23:02.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-228/06:00:59.0
5880	M1O	04-228/06:23:03.4		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-228/06:01:00.0
5881	M1O	04-228/06:26:28.4		SPAWN, Engine = 65535, Parameters = 00:07:06.013	cstr	04-228/06:04:25.0
5882	M1O	04-228/06:26:28.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-228/06:04:25.1
5883	M1O	04-228/06:26:29.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-228/06:04:26.1
5884	M1O	04-228/06:26:30.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-228/06:04:27.1
5885	M1O	04-228/06:26:31.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-228/06:04:28.1
5886	M1O	04-228/06:26:32.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-228/06:04:29.1
5887	M1O	04-228/06:26:42.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-228/06:04:39.1
5888	M1O	04-228/06:26:52.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-228/06:04:49.1
5889	M1O	04-228/06:27:03.4		NOTE: EXIT HGA PARK		
5890	M1O	04-228/06:27:03.4	43	Acquisition Of X-Band Signal		
5891	M1O	04-228/06:27:03.4	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5892	M1O	04-228/06:33:58.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-228/06:11:55.1
5893	M1O	04-228/06:33:59.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-228/06:11:56.1
5894	M1O	04-228/06:33:59.5	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5895	M1O	04-228/06:34:00.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-228/06:11:57.1
5896	M1O	04-228/06:47:06.0		NOTE: Ascending Node Crossing 11840		04-228/06:25:02.5
5897	M1O	04-228/06:50:53.1	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
5898	M1O	04-228/06:55:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
5899	M1O	04-228/07:05:00.0	43	Range Modulation Off		
5900	M1O	04-228/07:10:00.0	43	X-Band Transmitter Off		
5901	M1O	04-228/07:15:00.0	63	Begin Tracking		
5902	M1O	04-228/07:15:00.0	63	Acquire D/L: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5903	M1O	04-228/07:17:03.5		NOTE: North Pole Crossing 11840		04-228/06:55:00.0
5904	M1O	04-228/07:17:17.0	63	NOTE: Above Uplink Interlock Limit		
5905	M1O	04-228/07:18:29.6		NOTE: Apoapsis 11840 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5916	M1O	04-228/07:24:09.6		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-228/07:02:06.2
5917	M1O	04-228/07:24:19.6		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-228/07:02:16.2
5918	M1O	04-228/07:24:30.0	43	NOTE: Below Uplink Interlock Limit		
5919	M1O	04-228/07:24:39.6		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-228/07:02:36.2
5920	M1O	04-228/07:24:49.6		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-228/07:02:46.2
5921	M1O	04-228/07:24:54.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-228/07:02:51.2
5922	M1O	04-228/07:24:59.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-228/07:02:56.2
5923	M1O	04-228/07:25:00.0	63	Range Modulation On: SUP=3.0dB		
5924	M1O	04-228/07:25:04.6		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-228/07:03:01.2
5925	M1O	04-228/07:25:09.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-228/07:03:06.2
5926	M1O	04-228/07:25:14.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-228/07:03:11.2
5927	M1O	04-228/07:25:54.6		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-228/07:03:51.2
5928	M1O	04-228/07:25:59.6		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-228/07:03:56.2
5929	M1O	04-228/07:26:00.0	63	Begin Ranging Acquisition		
5930	M1O	04-228/07:26:04.6		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-228/07:04:01.2
5931	M1O	04-228/07:26:09.6		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-228/07:04:06.2
5932	M1O	04-228/07:26:14.6		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-228/07:04:11.2
5933	M1O	04-228/07:26:15.6		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-228/07:04:12.2
5934	M1O	04-228/07:26:16.6		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-228/07:04:13.2
5935	M1O	04-228/07:26:17.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-228/07:04:14.2
5936	M1O	04-228/07:26:28.6		NOTE: End Block fsw_diag.mod		04-228/07:04:25.2
5937	M1O	04-228/07:35:00.0	43	End Tracking		
5938	M1O	04-228/07:47:03.7		NOTE: Descending Node Crossing 11841		04-228/07:25:00.3
5939	M1O	04-228/07:50:00.0	43	End Post-Cal		
5940	M1O	04-228/07:53:04.8		SPAWN, Engine = 65535, Parameters = 3, 00:16:00, 1	dpt	04-228/07:31:01.3
5941	M1O	04-228/07:53:06.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-228/07:31:03.4
5942	M1O	04-228/07:53:06.9	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		
5943	M1O	04-228/07:53:07.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-228/07:31:04.4
5944	M1O	04-228/07:54:06.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5945	M1O	04-228/08:04:06.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5946	M1O	04-228/08:09:06.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-228/07:47:03.4
5947	M1O	04-228/08:09:06.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5948	M1O	04-228/08:09:07.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-228/07:47:04.4
5949	M1O	04-228/08:16:24.5		NOTE: South Pole Crossing 11841		04-228/07:54:21.1
5950	M1O	04-228/08:17:39.6		NOTE: Periapsis 11841		04-228/07:55:36.1

5951	M1O	04-228/08:45:42.3		NOTE: Ascending Node Crossing 11841		04-228/08:23:38.8
5952	M1O	04-228/09:15:39.6		NOTE: North Pole Crossing 11841		04-228/08:53:36.1
5953	M1O	04-228/09:17:27.4		NOTE: Apoapsis 11841 -		04-228/08:55:23.9
5954	M1O	04-228/09:34:59.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
5955	M1O	04-228/09:44:59.0	63	Range Modulation Off		
5956	M1O	04-228/09:45:40.1		NOTE: Descending Node Crossing 11842		04-228/09:23:36.6
5957	M1O	04-228/09:49:59.0	63	X-Band Transmitter Off		
5958	M1O	04-228/10:15:00.1		NOTE: South Pole Crossing 11842		04-228/09:52:56.5
5959	M1O	04-228/10:16:23.3		NOTE: Periapsis 11842		04-228/09:54:19.7

5960	M1O	04-228/10:33:03.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-228/10:11:00.3
5961	M1O	04-228/10:33:05.9		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-228/10:11:02.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
5962	M1O	04-228/10:33:05.9	63	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5963	M1O	04-228/10:33:06.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-228/10:11:03.4
5964	M1O	04-228/10:34:06.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5965	M1O	04-228/10:39:06.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-228/10:17:02.4
5966	M1O	04-228/10:39:06.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5967	M1O	04-228/10:39:07.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-228/10:17:03.4
5968	M1O	04-228/10:44:16.6		NOTE: Ascending Node Crossing 11842		04-228/10:22:13.1
5969	M1O	04-228/11:14:13.7		NOTE: North Pole Crossing 11842		04-228/10:52:10.2
5970	M1O	04-228/11:15:57.7		NOTE: Apoapsis 11842 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6006	M1O	04-228/15:38:08.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-228/15:16:04.6
6007	M1O	04-228/15:39:07.3	63	Acquire D/L: X/08, 3-Way/26, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6008	M1O	04-228/15:39:07.3	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6009	M1O	04-228/15:41:15.3		NOTE: Descending Node Crossing 11845		04-228/15:19:11.6
6010	M1O	04-228/15:44:07.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-228/15:22:03.6
6011	M1O	04-228/15:44:07.3	63	D/L Change: X/08, 3-Way/26, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6012	M1O	04-228/15:44:07.3	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6013	M1O	04-228/15:44:08.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-228/15:22:04.6
6014	M1O	04-228/16:10:34.8		NOTE: South Pole Crossing 11845		04-228/15:48:31.1
6015	M1O	04-228/16:11:27.0		NOTE: Periapsis 11845		04-228/15:49:23.3

6016	M1O	04-228/16:39:52.3		NOTE: Ascending Node Crossing 11845		04-228/16:17:48.6
6017	M1O	04-228/17:09:50.2		NOTE: North Pole Crossing 11845		04-228/16:47:46.4
6018	M1O	04-228/17:11:22.7		NOTE: Apoapsis 11845 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6045	M1O	04-228/19:55:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
6046	M1O	04-228/19:55:00.0	43	Config: RCV: Parms:		
6047	M1O	04-228/19:55:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
6048	M1O	04-228/19:55:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
6049	M1O	04-228/19:55:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
6050	M1O	04-228/20:07:46.9		NOTE: South Pole Crossing 11847		04-228/19:45:43.1
6051	M1O	04-228/20:08:42.1		NOTE: Periapsis 11847		04-228/19:46:38.3

6052	M1O	04-228/20:37:03.8		NOTE: Ascending Node Crossing 11847		04-228/20:15:00.0
6053	M1O	04-228/21:07:02.1		NOTE: North Pole Crossing 11847		04-228/20:44:58.3
6054	M1O	04-228/21:08:12.6		NOTE: Apoapsis 11847 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6085	M1O	04-229/01:45:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
6086	M1O	04-229/01:55:00.0	26	Range Modulation Off		
6087	M1O	04-229/02:00:00.0	26	X-Band Transmitter Off		
6088	M1O	04-229/02:03:25.9		NOTE: South Pole Crossing 11850		04-229/01:41:22.0
6089	M1O	04-229/02:04:14.1		NOTE: Periapsis 11850		04-229/01:42:10.2

6090	M1O	04-229/02:10:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6091	M1O	04-229/02:12:13.0	26	NOTE: Below Uplink Interlock Limit		
6092	M1O	04-229/02:15:00.0	43	Range Modulation On: SUP=3.0dB		
6093	M1O	04-229/02:16:00.0	43	Begin Ranging Acquisition		
6094	M1O	04-229/02:20:00.0	26	End Tracking		
6095	M1O	04-229/02:32:42.2		NOTE: Ascending Node Crossing 11850		04-229/02:10:38.2
6096	M1O	04-229/02:35:00.0	26	End Post-Cal		
6097	M1O	04-229/02:43:05.8		SPAWN, Engine = 65535, Parameters = 3, 00:16:00, 1	dpt	04-229/02:21:01.8
6098	M1O	04-229/02:43:07.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-229/02:21:03.9
6099	M1O	04-229/02:43:07.9	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		
6100	M1O	04-229/02:43:08.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-229/02:21:04.9
6101	M1O	04-229/02:44:07.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6102	M1O	04-229/02:54:07.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6103	M1O	04-229/02:59:07.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-229/02:37:03.9
6104	M1O	04-229/02:59:07.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6105	M1O	04-229/02:59:08.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-229/02:37:04.9
6106	M1O	04-229/03:02:39.3		NOTE: North Pole Crossing 11850		04-229/02:40:35.3
6107	M1O	04-229/03:03:43.8		NOTE: Apoapsis 11850 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 3, 2004-227T04:39:49.100, 2004-229T04:39:49.100		
6126	M1O	04-229/05:02:13.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-227T04:39:49.100, 2004-229T04:39:49.100	PCKTS_RE_TX_TIME	04-229/04:40:09.8
6127	M1O	04-229/05:02:13.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-229/04:40:09.8
6128	M1O	04-229/05:02:13.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6129	M1O	04-229/05:12:14.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-229/04:50:10.8
6130	M1O	04-229/05:12:14.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6131	M1O	04-229/05:12:15.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-229/04:50:11.8
6132	M1O	04-229/05:12:31.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-229/04:50:27.8
6133	M1O	04-229/05:12:31.8	43	D/L RF Warning: SC antenna change - expect signal level variation		
6134	M1O	04-229/05:12:32.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-229/04:50:28.8
6135	M1O	04-229/05:13:03.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6136	M1O	04-229/05:13:10.1		CALL, Engine = , Parameters = FALSE	park_hga	04-229/04:51:06.1
6137	M1O	04-229/05:13:10.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-229/04:51:06.1
6138	M1O	04-229/05:13:11.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-229/04:51:07.1
6139	M1O	04-229/05:13:12.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-229/04:51:08.1
6140	M1O	04-229/05:13:12.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-229/04:51:08.1
6141	M1O	04-229/05:13:12.1		NOTE: START HGA PARK		
6142	M1O	04-229/05:13:12.1	43	NOTE: Loss Of X-Band Signal		
6143	M1O	04-229/05:13:13.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-229/04:51:09.1
6144	M1O	04-229/05:13:14.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-229/04:51:10.1
6145	M1O	04-229/05:17:44.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-229/04:55:40.1
6146	M1O	04-229/05:21:14.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-229/04:59:10.1
6147	M1O	04-229/05:21:14.1		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-229/04:59:10.1
6148	M1O	04-229/05:25:38.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6149	M1O	04-229/05:30:00.0	55	Begin Pre-Cal		
6150	M1O	04-229/05:30:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6151	M1O	04-229/05:30:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6152	M1O	04-229/05:30:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6153	M1O	04-229/05:30:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6154	M1O	04-229/05:30:00.0	55	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
6155	M1O	04-229/05:30:00.0	55	Config: RCV: Parms:		
6156	M1O	04-229/05:30:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
6157	M1O	04-229/05:30:00.0	55	Config: TGC: BAND=X, SR=238896.000000		
6158	M1O	04-229/05:30:00.0	55	Config: TXL		
6159	M1O	04-229/05:30:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
6160	M1O	04-229/05:30:00.0	55	Config: CMD		
6161	M1O	04-229/05:30:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6162	M1O	04-229/05:30:38.0	43	Range Modulation On: SUP=3.0dB		
6163	M1O	04-229/05:31:12.0		NOTE: Descending Node Crossing 11852		04-229/05:09:07.9
6164	M1O	04-229/05:31:38.0	43	Begin Ranging Acquisition		
6165	M1O	04-229/05:51:14.0		GV: GV_DESAT_ACTIVE = 1		04-229/05:29:10.0
6166	M1O	04-229/05:51:15.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-229/05:29:11.0
6167	M1O	04-229/05:51:15.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-229/05:29:11.0
6168	M1O	04-229/06:00:31.7		NOTE: South Pole Crossing 11852		04-229/05:38:27.6
6169	M1O	04-229/06:01:06.3		NOTE: Periapsis 11852		04-229/05:39:02.2

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

6170	M1O	04-229/06:01:14.0		GV: GV_DESAT_ACTIVE = 0		04-229/05:39:10.0
6171	M1O	04-229/06:01:15.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-229/05:39:11.0
6172	M1O	04-229/06:01:16.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-229/05:39:12.0
6173	M1O	04-229/06:01:17.0		CALL, Engine = , Parameters =	unpark_hga	04-229/05:39:13.0
6174	M1O	04-229/06:01:17.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-229/05:39:13.0
6175	M1O	04-229/06:01:18.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-229/05:39:14.0
6176	M1O	04-229/06:05:48.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-229/05:43:44.0
6177	M1O	04-229/06:05:49.0		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-229/05:43:45.0
6178	M1O	04-229/06:09:13.9		SPAWN, Engine = 65535, Parameters = 00:07:06.886	cstr	04-229/05:47:09.8
6179	M1O	04-229/06:09:14.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-229/05:47:09.9
6180	M1O	04-229/06:09:15.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-229/05:47:10.9
6181	M1O	04-229/06:09:16.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-229/05:47:11.9
6182	M1O	04-229/06:09:17.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-229/05:47:12.9
6183	M1O	04-229/06:09:18.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-229/05:47:13.9
6184	M1O	04-229/06:09:28.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-229/05:47:23.9
6185	M1O	04-229/06:09:38.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-229/05:47:33.9
6186	M1O	04-229/06:09:49.0		NOTE: EXIT HGA PARK		
6187	M1O	04-229/06:09:49.0	43	Acquisition Of X-Band Signal		
6188	M1O	04-229/06:09:49.0	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6189	M1O	04-229/06:16:44.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-229/05:54:40.8
6190	M1O	04-229/06:16:45.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-229/05:54:41.8
6191	M1O	04-229/06:16:45.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6192	M1O	04-229/06:16:46.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-229/05:54:42.8
6193	M1O	04-229/06:29:49.7		NOTE: Ascending Node Crossing 11852		04-229/06:07:45.6
6194	M1O	04-229/06:50:51.7	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
6195	M1O	04-229/06:55:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
6196	M1O	04-229/06:59:47.5		NOTE: North Pole Crossing 11852		04-229/06:37:43.4
6197	M1O	04-229/07:00:51.1		NOTE: Apoapsis 11852 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				[0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]		
6211	M1O	04-229/07:23:20.3		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	04-229/07:01:16.2
6212	M1O	04-229/07:23:45.0	43	NOTE: Below Uplink Interlock Limit		
6213	M1O	04-229/07:23:50.3		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-229/07:01:46.2
6214	M1O	04-229/07:24:10.3		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-229/07:02:06.2
6215	M1O	04-229/07:24:20.3		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-229/07:02:16.2
6216	M1O	04-229/07:24:40.3		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-229/07:02:36.2
6217	M1O	04-229/07:24:50.3		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-229/07:02:46.2
6218	M1O	04-229/07:24:55.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-229/07:02:51.2
6219	M1O	04-229/07:25:00.0	55	Range Modulation On: SUP=3.0dB		
6220	M1O	04-229/07:25:00.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-229/07:02:56.2
6221	M1O	04-229/07:25:05.3		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-229/07:03:01.2
6222	M1O	04-229/07:25:10.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-229/07:03:06.2
6223	M1O	04-229/07:25:15.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-229/07:03:11.2
6224	M1O	04-229/07:25:55.3		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-229/07:03:51.2
6225	M1O	04-229/07:26:00.0	55	Begin Ranging Acquisition		
6226	M1O	04-229/07:26:00.3		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-229/07:03:56.2
6227	M1O	04-229/07:26:05.3		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-229/07:04:01.2
6228	M1O	04-229/07:26:10.3		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-229/07:04:06.2
6229	M1O	04-229/07:26:15.3		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-229/07:04:11.2
6230	M1O	04-229/07:26:16.3		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-229/07:04:12.2
6231	M1O	04-229/07:26:17.3		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-229/07:04:13.2
6232	M1O	04-229/07:26:18.3		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-229/07:04:14.2
6233	M1O	04-229/07:26:29.3		NOTE: End Block fsw_diag.mod		04-229/07:04:25.2
6234	M1O	04-229/07:29:47.5		NOTE: Descending Node Crossing 11853		04-229/07:07:43.4
6235	M1O	04-229/07:33:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-229/07:11:53.9
6236	M1O	04-229/07:34:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-229/07:11:56.0
6237	M1O	04-229/07:34:00.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6238	M1O	04-229/07:34:00.1	55	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6239	M1O	04-229/07:34:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-229/07:11:57.0
6240	M1O	04-229/07:35:00.0	43	End Tracking		
6241	M1O	04-229/07:35:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-229/07:12:55.9
6242	M1O	04-229/07:35:00.0		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	04-229/07:12:55.9
6243	M1O	04-229/07:35:00.0	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6244	M1O	04-229/07:40:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-229/07:17:56.0
6245	M1O	04-229/07:40:00.1	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6246	M1O	04-229/07:40:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-229/07:17:57.0
6247	M1O	04-229/07:50:00.0	43	End Post-Cal		
6248	M1O	04-229/07:53:06.1		SPAWN, Engine = 65535, Parameters = 3, 00:16:00, 1	dpt	04-229/07:31:02.0
6249	M1O	04-229/07:53:08.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-229/07:31:04.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6250	M1O	04-229/07:53:08.2	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6251	M1O	04-229/07:53:09.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-229/07:31:05.1
6252	M1O	04-229/07:54:08.2	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6253	M1O	04-229/07:59:08.1		NOTE: South Pole Crossing 11853		04-229/07:37:04.0
6254	M1O	04-229/08:00:07.8		NOTE: Periapsis 11853 ----------		04-229/07:38:03.7
6255	M1O	04-229/08:04:08.2	55	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6256	M1O	04-229/08:09:08.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-229/07:47:04.1
6257	M1O	04-229/08:09:08.3	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6258	M1O	04-229/08:09:09.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-229/07:47:05.1
6259	M1O	04-229/08:28:26.2		NOTE: Ascending Node Crossing 11853		04-229/08:06:22.1
6260	M1O	04-229/08:58:23.6		NOTE: North Pole Crossing 11853		04-229/08:36:19.4
6261	M1O	04-229/08:59:57.7		NOTE: Apoapsis 11853 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6291	M1O	04-229/12:40:00.0	26	Config: TGC: BAND=X, SR=85320.000000		
6292	M1O	04-229/12:40:00.0	26	Config: TXL		
6293	M1O	04-229/12:40:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
6294	M1O	04-229/12:40:00.0	26	Config: CMD		
6295	M1O	04-229/12:40:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6296	M1O	04-229/12:55:31.0		NOTE: North Pole Crossing 11855		04-229/12:33:26.7
6297	M1O	04-229/12:56:53.8		NOTE: Apoapsis 11855 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6334	M1O	04-229/19:51:18.9		NOTE: Periapsis 11859		04-229/19:29:14.5

6335	M1O	04-229/20:19:46.4		NOTE: Ascending Node Crossing 11859		04-229/19:57:41.9
6336	M1O	04-229/20:49:45.3		NOTE: North Pole Crossing 11859		04-229/20:27:40.8
6337	M1O	04-229/20:50:52.7		NOTE: Apoapsis 11859 - - -

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

6378	M1O	04-230/02:00:00.0	34	Begin Tracking		
6379	M1O	04-230/02:00:00.0	34	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6380	M1O	04-230/02:01:00.0	34	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6381	M1O	04-230/02:06:00.0	34	Range Modulation On: SUP=3.0dB		
6382	M1O	04-230/02:07:00.0	34	Begin Ranging Acquisition		
6383	M1O	04-230/02:10:02.0	26	NOTE: Below Uplink Interlock Limit		
6384	M1O	04-230/02:15:28.2		NOTE: Ascending Node Crossing 11862		04-230/01:53:23.5
6385	M1O	04-230/02:20:00.0	26	End Tracking		
6386	M1O	04-230/02:35:00.0	26	End Post-Cal		
6387	M1O	04-230/02:44:07.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-230/02:22:02.5
6388	M1O	04-230/02:44:09.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-230/02:22:04.6
6389	M1O	04-230/02:44:09.3	34	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6390	M1O	04-230/02:44:10.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-230/02:22:05.6
6391	M1O	04-230/02:45:09.2	34	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6392	M1O	04-230/02:45:25.1		NOTE: North Pole Crossing 11862		04-230/02:23:20.5
6393	M1O	04-230/02:46:28.5		NOTE: Apoapsis 11862 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6417	M1O	04-230/04:44:59.5	34	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6418	M1O	04-230/04:55:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-230/04:32:55.8
6419	M1O	04-230/04:55:00.5	34	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6420	M1O	04-230/04:55:01.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-230/04:32:56.8
6421	M1O	04-230/04:55:17.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-230/04:33:12.8
6422	M1O	04-230/04:55:17.5	34	D/L RF Warning: SC antenna change - expect signal level variation		
6423	M1O	04-230/04:55:18.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-230/04:33:13.8
6424	M1O	04-230/04:55:49.3	34	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6425	M1O	04-230/04:55:55.8		CALL, Engine = , Parameters = FALSE	park_hga	04-230/04:33:51.1
6426	M1O	04-230/04:55:55.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-230/04:33:51.1
6427	M1O	04-230/04:55:56.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-230/04:33:52.1
6428	M1O	04-230/04:55:57.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-230/04:33:53.1
6429	M1O	04-230/04:55:57.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-230/04:33:53.1
6430	M1O	04-230/04:55:57.8		NOTE: START HGA PARK		
6431	M1O	04-230/04:55:57.8	34	NOTE: Loss Of X-Band Signal		
6432	M1O	04-230/04:55:58.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-230/04:33:54.1
6433	M1O	04-230/04:55:59.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-230/04:33:55.1
6434	M1O	04-230/05:00:29.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-230/04:38:25.1
6435	M1O	04-230/05:03:59.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-230/04:41:55.1
6436	M1O	04-230/05:03:59.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-230/04:41:55.1
6437	M1O	04-230/05:08:23.0	34	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6438	M1O	04-230/05:13:23.0	34	Range Modulation On: SUP=3.0dB		
6439	M1O	04-230/05:13:56.4		NOTE: Descending Node Crossing 11864		04-230/04:51:51.7
6440	M1O	04-230/05:14:23.0	34	Begin Ranging Acquisition		
6441	M1O	04-230/05:20:00.0	55	Begin Pre-Cal		
6442	M1O	04-230/05:20:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6443	M1O	04-230/05:20:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6444	M1O	04-230/05:20:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6445	M1O	04-230/05:20:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6446	M1O	04-230/05:20:00.0	55	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
6447	M1O	04-230/05:20:00.0	55	Config: RCV: Parms:		
6448	M1O	04-230/05:20:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
6449	M1O	04-230/05:20:00.0	55	Config: TGC: BAND=X, SR=85320.000000		
6450	M1O	04-230/05:20:00.0	55	Config: TXL		
6451	M1O	04-230/05:20:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
6452	M1O	04-230/05:20:00.0	55	Config: CMD		
6453	M1O	04-230/05:20:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6454	M1O	04-230/05:33:59.7		GV: GV_DESAT_ACTIVE = 1		04-230/05:11:55.0
6455	M1O	04-230/05:34:00.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-230/05:11:56.0
6456	M1O	04-230/05:34:00.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-230/05:11:56.0
6457	M1O	04-230/05:43:15.0		NOTE: South Pole Crossing 11864		04-230/05:21:10.3
6458	M1O	04-230/05:43:36.6		NOTE: Periapsis 11864		04-230/05:21:31.9

6459	M1O	04-230/05:43:59.7		GV: GV_DESAT_ACTIVE = 0		04-230/05:21:55.0
6460	M1O	04-230/05:44:00.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-230/05:21:56.0
6461	M1O	04-230/05:44:01.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-230/05:21:57.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6462	M1O	04-230/05:44:02.7		CALL, Engine = , Parameters =	unpark_hga	04-230/05:21:58.0
6463	M1O	04-230/05:44:02.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-230/05:21:58.0
6464	M1O	04-230/05:44:03.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-230/05:21:59.0
6465	M1O	04-230/05:48:33.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-230/05:26:29.0
6466	M1O	04-230/05:48:34.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-230/05:26:30.0
6467	M1O	04-230/05:51:59.7		SPAWN, Engine = 65535, Parameters = 00:07:07.548	cstr	04-230/05:29:55.0
6468	M1O	04-230/05:51:59.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-230/05:29:55.1
6469	M1O	04-230/05:52:00.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-230/05:29:56.1
6470	M1O	04-230/05:52:01.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-230/05:29:57.1
6471	M1O	04-230/05:52:02.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-230/05:29:58.1
6472	M1O	04-230/05:52:03.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-230/05:29:59.1
6473	M1O	04-230/05:52:13.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-230/05:30:09.1
6474	M1O	04-230/05:52:23.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-230/05:30:19.1
6475	M1O	04-230/05:52:34.7		NOTE: EXIT HGA PARK		
6476	M1O	04-230/05:52:34.7	34	Acquisition Of X-Band Signal		
6477	M1O	04-230/05:52:34.7	34	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6478	M1O	04-230/05:59:31.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-230/05:37:26.6
6479	M1O	04-230/05:59:32.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-230/05:37:27.6
6480	M1O	04-230/05:59:32.3	34	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6481	M1O	04-230/05:59:33.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-230/05:37:28.6
6482	M1O	04-230/06:12:32.5		NOTE: Ascending Node Crossing 11864		04-230/05:50:27.8
6483	M1O	04-230/06:40:50.4	34	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
6484	M1O	04-230/06:42:31.0		NOTE: North Pole Crossing 11864		04-230/06:20:26.3
6485	M1O	04-230/06:43:14.1		NOTE: Apoapsis 11864 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6502	M1O	04-230/07:23:20.9		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	04-230/07:01:16.2
6503	M1O	04-230/07:23:50.9		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-230/07:01:46.2
6504	M1O	04-230/07:24:10.9		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-230/07:02:06.2
6505	M1O	04-230/07:24:20.9		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-230/07:02:16.2
6506	M1O	04-230/07:24:40.9		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-230/07:02:36.2
6507	M1O	04-230/07:24:50.9		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-230/07:02:46.2
6508	M1O	04-230/07:24:55.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-230/07:02:51.2
6509	M1O	04-230/07:25:00.0	34	End Tracking		
6510	M1O	04-230/07:25:00.0	55	Range Modulation On: SUP=3.0dB		
6511	M1O	04-230/07:25:00.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-230/07:02:56.2
6512	M1O	04-230/07:25:05.9		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-230/07:03:01.2
6513	M1O	04-230/07:25:10.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-230/07:03:06.2
6514	M1O	04-230/07:25:15.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-230/07:03:11.2
6515	M1O	04-230/07:25:55.9		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-230/07:03:51.2
6516	M1O	04-230/07:26:00.0	55	Begin Ranging Acquisition		
6517	M1O	04-230/07:26:00.9		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-230/07:03:56.2
6518	M1O	04-230/07:26:05.9		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-230/07:04:01.2
6519	M1O	04-230/07:26:10.9		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-230/07:04:06.2
6520	M1O	04-230/07:26:15.9		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-230/07:04:11.2
6521	M1O	04-230/07:26:16.9		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-230/07:04:12.2
6522	M1O	04-230/07:26:17.9		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-230/07:04:13.2
6523	M1O	04-230/07:26:18.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-230/07:04:14.2
6524	M1O	04-230/07:26:29.9		NOTE: End Block fsw_diag.mod		04-230/07:04:25.2
6525	M1O	04-230/07:40:00.0	34	End Post-Cal		
6526	M1O	04-230/07:41:51.2		NOTE: South Pole Crossing 11865		04-230/07:19:46.4
6527	M1O	04-230/07:42:32.2		NOTE: Periapsis 11865 ----------		04-230/07:20:27.5
6528	M1O	04-230/07:53:07.4		SPAWN, Engine = 65535, Parameters = 3, 00:16:00, 1	dpt	04-230/07:31:02.7
6529	M1O	04-230/07:53:09.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-230/07:31:04.8
6530	M1O	04-230/07:53:09.5	55	D/L Change: X/08, 3-Way/34, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6531	M1O	04-230/07:53:10.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-230/07:31:05.8
6532	M1O	04-230/07:54:09.5	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6533	M1O	04-230/08:04:09.5	55	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6534	M1O	04-230/08:09:09.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-230/07:47:04.8
6535	M1O	04-230/08:09:09.6	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6536	M1O	04-230/08:09:10.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-230/07:47:05.8
6537	M1O	04-230/08:11:09.3		NOTE: Ascending Node Crossing 11865		04-230/07:49:04.5
6538	M1O	04-230/08:41:07.3		NOTE: North Pole Crossing 11865		04-230/08:19:02.5
6539	M1O	04-230/08:42:18.0		NOTE: Apoapsis 11865 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6545	M1O	04-230/10:41:14.5		NOTE: Apoapsis 11866 - - -

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

6590	M1O	04-230/15:38:07.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-230/15:16:02.8
6591	M1O	04-230/15:38:09.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-230/15:16:04.9
6592	M1O	04-230/15:38:09.9	25	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6593	M1O	04-230/15:38:10.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-230/15:16:05.9
6594	M1O	04-230/15:39:09.9	25	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6595	M1O	04-230/15:44:09.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-230/15:22:04.9
6596	M1O	04-230/15:44:09.9	25	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6597	M1O	04-230/15:44:10.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-230/15:22:05.9
6598	M1O	04-230/16:05:22.4		NOTE: Ascending Node Crossing 11869		04-230/15:43:17.4
6599	M1O	04-230/16:35:19.5		NOTE: North Pole Crossing 11869		04-230/16:13:14.5
6600	M1O	04-230/16:36:31.2		NOTE: Apoapsis 11869 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6627	M1O	04-230/18:40:00.0	25	End Post-Cal		
6628	M1O	04-230/19:03:54.1		NOTE: Descending Node Crossing 11871		04-230/18:41:49.0
6629	M1O	04-230/19:33:13.1		NOTE: South Pole Crossing 11871		04-230/19:11:08.0
6630	M1O	04-230/19:33:58.7		NOTE: Periapsis 11871		04-230/19:11:53.6

6631	M1O	04-230/20:02:30.2		NOTE: Ascending Node Crossing 11871		04-230/19:40:25.1
6632	M1O	04-230/20:20:00.0	43	Begin Pre-Cal		
6633	M1O	04-230/20:20:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6634	M1O	04-230/20:20:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6635	M1O	04-230/20:20:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6636	M1O	04-230/20:20:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6637	M1O	04-230/20:20:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
6638	M1O	04-230/20:20:00.0	43	Config: RCV: Parms:		
6639	M1O	04-230/20:20:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
6640	M1O	04-230/20:20:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
6641	M1O	04-230/20:20:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
6642	M1O	04-230/20:32:29.4		NOTE: North Pole Crossing 11871		04-230/20:10:24.3
6643	M1O	04-230/20:33:37.6		NOTE: Apoapsis 11871 - - -

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

6671	M1O	04-230/23:59:42.1		NOTE: Ascending Node Crossing 11873		04-230/23:37:36.9
6672	M1O	04-231/00:00:00.0		Light Time: OWLT = 22:05, RTLT = 44:10		
6673	M1O	04-231/00:29:39.8		NOTE: North Pole Crossing 11873		04-231/00:07:34.6
6674	M1O	04-231/00:30:23.7		NOTE: Apoapsis 11873 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6710	M1O	04-231/04:27:47.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-229T04:05:21.100, 2004-231T04:05:21.100	PCKTS_RE_TX_TIME	04-231/04:05:41.8
6711	M1O	04-231/04:27:47.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-231/04:05:41.8
6712	M1O	04-231/04:27:47.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6713	M1O	04-231/04:37:48.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-231/04:15:42.8
6714	M1O	04-231/04:37:48.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6715	M1O	04-231/04:37:49.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-231/04:15:43.8
6716	M1O	04-231/04:38:19.1		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	04-231/04:16:13.8
6717	M1O	04-231/04:38:19.1	43	NOTE: Loss Of X-Band Signal		
6718	M1O	04-231/04:38:29.1		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	04-231/04:16:23.8
6719	M1O	04-231/04:38:30.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-231/04:16:24.8
6720	M1O	04-231/04:38:31.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-231/04:16:25.8
6721	M1O	04-231/04:38:42.4		CALL, Engine = , Parameters = FALSE	park_hga	04-231/04:16:37.1
6722	M1O	04-231/04:38:42.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-231/04:16:37.1
6723	M1O	04-231/04:38:43.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-231/04:16:38.1
6724	M1O	04-231/04:38:44.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-231/04:16:39.1
6725	M1O	04-231/04:38:44.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-231/04:16:39.1
6726	M1O	04-231/04:38:44.4		NOTE: START HGA PARK		
6727	M1O	04-231/04:38:45.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-231/04:16:40.1
6728	M1O	04-231/04:38:46.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-231/04:16:41.1
6729	M1O	04-231/04:43:16.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-231/04:21:11.1
6730	M1O	04-231/04:46:46.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-231/04:24:41.1
6731	M1O	04-231/04:46:46.4		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-231/04:24:41.1
6732	M1O	04-231/04:50:00.0	55	Begin Pre-Cal		
6733	M1O	04-231/04:50:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6734	M1O	04-231/04:50:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6735	M1O	04-231/04:50:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6736	M1O	04-231/04:50:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6737	M1O	04-231/04:50:00.0	55	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
6738	M1O	04-231/04:50:00.0	55	Config: RCV: Parms:		
6739	M1O	04-231/04:50:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
6740	M1O	04-231/04:50:00.0	55	Config: TGC: BAND=X, SR=238896.000000		
6741	M1O	04-231/04:50:00.0	55	Config: TXL		
6742	M1O	04-231/04:50:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
6743	M1O	04-231/04:50:00.0	55	Config: CMD		
6744	M1O	04-231/04:50:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6745	M1O	04-231/04:51:09.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6746	M1O	04-231/04:56:09.0	43	Range Modulation On: SUP=3.0dB		
6747	M1O	04-231/04:56:41.4		NOTE: Descending Node Crossing 11876		04-231/04:34:36.0
6748	M1O	04-231/04:57:09.0	43	Begin Ranging Acquisition		
6749	M1O	04-231/05:16:46.3		GV: GV_DESAT_ACTIVE = 1		04-231/04:54:41.0
6750	M1O	04-231/05:16:47.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-231/04:54:42.0
6751	M1O	04-231/05:16:47.3		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-231/04:54:42.0
6752	M1O	04-231/05:25:59.1		NOTE: South Pole Crossing 11876		04-231/05:03:53.8
6753	M1O	04-231/05:26:13.7		NOTE: Periapsis 11876		04-231/05:04:08.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6754	M1O	04-231/05:26:46.3		GV: GV_DESAT_ACTIVE = 0		04-231/05:04:41.0
6755	M1O	04-231/05:26:47.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-231/05:04:42.0
6756	M1O	04-231/05:26:48.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-231/05:04:43.0
6757	M1O	04-231/05:26:49.3		CALL, Engine = , Parameters =	unpark_hga	04-231/05:04:44.0
6758	M1O	04-231/05:26:49.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-231/05:04:44.0
6759	M1O	04-231/05:26:50.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-231/05:04:45.0
6760	M1O	04-231/05:31:20.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-231/05:09:15.0
6761	M1O	04-231/05:31:21.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-231/05:09:16.0
6762	M1O	04-231/05:34:46.3		SPAWN, Engine = 65535, Parameters = 00:07:08.178	cstr	04-231/05:12:41.0
6763	M1O	04-231/05:34:46.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-231/05:12:41.1
6764	M1O	04-231/05:34:47.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-231/05:12:42.1
6765	M1O	04-231/05:34:48.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-231/05:12:43.1
6766	M1O	04-231/05:34:49.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-231/05:12:44.1
6767	M1O	04-231/05:34:50.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-231/05:12:45.1
6768	M1O	04-231/05:35:00.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-231/05:12:55.1
6769	M1O	04-231/05:35:10.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-231/05:13:05.1
6770	M1O	04-231/05:35:21.3		NOTE: EXIT HGA PARK		
6771	M1O	04-231/05:35:21.3	43	Acquisition Of X-Band Signal		
6772	M1O	04-231/05:35:21.3	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6773	M1O	04-231/05:42:18.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-231/05:20:13.2
6774	M1O	04-231/05:42:19.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-231/05:20:14.2
6775	M1O	04-231/05:42:19.6	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6776	M1O	04-231/05:42:20.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-231/05:20:15.2
6777	M1O	04-231/05:55:16.1		NOTE: Ascending Node Crossing 11876		04-231/05:33:10.8
6778	M1O	04-231/06:25:14.9		NOTE: North Pole Crossing 11876		04-231/06:03:09.5
6779	M1O	04-231/06:25:42.9		NOTE: Apoapsis 11876 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				[0x6D656D53,0x686F7720,0x313B6368,0x65636B53,0x7461636B,0x3B690000,0x0000,0x0000,0x0000, 0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000]		
6796	M1O	04-231/07:23:10.5		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	04-231/07:01:05.2
6797	M1O	04-231/07:23:21.5		NOTE: End Block fsw_diag.mod		04-231/07:01:16.2
6798	M1O	04-231/07:23:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-231/07:01:52.6
6799	M1O	04-231/07:24:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-231/07:01:54.7
6800	M1O	04-231/07:24:00.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6801	M1O	04-231/07:24:00.1	55	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6802	M1O	04-231/07:24:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-231/07:01:55.7
6803	M1O	04-231/07:24:21.3		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-231/07:02:16.0
6804	M1O	04-231/07:24:21.5		NOTE: Start Block fsw_diag		04-231/07:02:16.2
6805	M1O	04-231/07:24:22.5		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-231/07:02:17.2
6806	M1O	04-231/07:24:23.5		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-231/07:02:18.2
6807	M1O	04-231/07:24:33.9		NOTE: South Pole Crossing 11877		04-231/07:02:28.5
6808	M1O	04-231/07:24:34.5		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-231/07:02:29.2
6809	M1O	04-231/07:24:55.8		NOTE: Periapsis 11877		04-231/07:02:50.4

6810	M1O	04-231/07:25:00.0	43	End Tracking		
6811	M1O	04-231/07:25:00.0	55	Range Modulation On: SUP=3.0dB		
6812	M1O	04-231/07:25:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-231/07:02:54.6
6813	M1O	04-231/07:25:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-231/07:02:54.6
6814	M1O	04-231/07:25:00.0	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6815	M1O	04-231/07:25:04.5		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-231/07:02:59.2
6816	M1O	04-231/07:25:24.5		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-231/07:03:19.2
6817	M1O	04-231/07:25:34.5		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-231/07:03:29.2
6818	M1O	04-231/07:25:54.5		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-231/07:03:49.2
6819	M1O	04-231/07:26:00.0	55	Begin Ranging Acquisition		
6820	M1O	04-231/07:26:04.5		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-231/07:03:59.2
6821	M1O	04-231/07:26:09.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-231/07:04:04.2
6822	M1O	04-231/07:26:14.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-231/07:04:09.2
6823	M1O	04-231/07:26:19.5		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-231/07:04:14.2
6824	M1O	04-231/07:26:24.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-231/07:04:19.2
6825	M1O	04-231/07:26:29.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-231/07:04:24.2
6826	M1O	04-231/07:27:09.5		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-231/07:05:04.2
6827	M1O	04-231/07:27:14.5		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-231/07:05:09.2
6828	M1O	04-231/07:27:19.5		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-231/07:05:14.2
6829	M1O	04-231/07:27:24.5		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-231/07:05:19.2
6830	M1O	04-231/07:27:29.5		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-231/07:05:24.2
6831	M1O	04-231/07:27:30.5		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-231/07:05:25.2
6832	M1O	04-231/07:27:31.5		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-231/07:05:26.2
6833	M1O	04-231/07:27:32.5		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-231/07:05:27.2
6834	M1O	04-231/07:27:43.5		NOTE: End Block fsw_diag.mod		04-231/07:05:38.2
6835	M1O	04-231/07:30:00.1		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-231/07:07:54.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
6836	M1O	04-231/07:30:00.1	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6837	M1O	04-231/07:30:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-231/07:07:55.7
6838	M1O	04-231/07:40:00.0	43	End Post-Cal		
6839	M1O	04-231/07:53:08.7		SPAWN, Engine = 65535, Parameters = 3, 00:16:00, 1	dpt	04-231/07:31:03.3
6840	M1O	04-231/07:53:10.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-231/07:31:05.4
6841	M1O	04-231/07:53:10.8	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6842	M1O	04-231/07:53:11.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-231/07:31:06.4
6843	M1O	04-231/07:53:52.0		NOTE: Ascending Node Crossing 11877		04-231/07:31:46.6
6844	M1O	04-231/07:54:10.7	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6845	M1O	04-231/08:04:10.7	55	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6846	M1O	04-231/08:09:10.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-231/07:47:05.4
6847	M1O	04-231/08:09:10.8	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6848	M1O	04-231/08:09:11.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-231/07:47:06.4
6849	M1O	04-231/08:23:50.3		NOTE: North Pole Crossing 11877		04-231/08:01:44.9
6850	M1O	04-231/08:24:34.9		NOTE: Apoapsis 11877 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6878	M1O	04-231/12:22:20.9		NOTE: Apoapsis 11879 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6918	M1O	04-231/17:46:38.2		NOTE: Ascending Node Crossing 11882		04-231/17:24:32.6
6919	M1O	04-231/18:16:36.3		NOTE: North Pole Crossing 11882		04-231/17:54:30.7
6920	M1O	04-231/18:17:36.6		NOTE: Apoapsis 11882 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6961	M1O	04-231/22:10:00.0	26	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6962	M1O	04-231/22:13:47.8		NOTE: North Pole Crossing 11884		04-231/21:51:42.0
6963	M1O	04-231/22:14:35.6		NOTE: Apoapsis 11884 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_auto_rexmit.cfg,		
7000	M1O	04-232/04:10:39.7	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7001	M1O	04-232/04:20:40.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-232/03:58:34.8
7002	M1O	04-232/04:20:40.7	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7003	M1O	04-232/04:20:41.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-232/03:58:35.8
7004	M1O	04-232/04:20:57.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-232/03:58:51.8
7005	M1O	04-232/04:20:57.7	43	D/L RF Warning: SC antenna change - expect signal level variation		
7006	M1O	04-232/04:20:58.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-232/03:58:52.8
7007	M1O	04-232/04:21:27.0		CALL, Engine = , Parameters = FALSE	park_hga	04-232/03:59:21.1
7008	M1O	04-232/04:21:27.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-232/03:59:21.1
7009	M1O	04-232/04:21:28.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-232/03:59:22.1
7010	M1O	04-232/04:21:29.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-232/03:59:23.1
7011	M1O	04-232/04:21:29.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-232/03:59:23.1
7012	M1O	04-232/04:21:29.0		NOTE: START HGA PARK		
7013	M1O	04-232/04:21:29.0	43	NOTE: Loss Of X-Band Signal		
7014	M1O	04-232/04:21:30.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-232/03:59:24.1
7015	M1O	04-232/04:21:31.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-232/03:59:25.1
7016	M1O	04-232/04:26:01.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-232/04:03:55.1
7017	M1O	04-232/04:29:31.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-232/04:07:25.1
7018	M1O	04-232/04:29:31.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-232/04:07:25.1
7019	M1O	04-232/04:33:53.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7020	M1O	04-232/04:38:53.0	43	Range Modulation On: SUP=3.0dB		
7021	M1O	04-232/04:39:26.0		NOTE: Descending Node Crossing 11888		04-232/04:17:20.1
7022	M1O	04-232/04:39:53.0	43	Begin Ranging Acquisition		
7023	M1O	04-232/04:59:30.9		GV: GV_DESAT_ACTIVE = 1		04-232/04:37:25.0
7024	M1O	04-232/04:59:31.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-232/04:37:26.0
7025	M1O	04-232/04:59:31.9		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-232/04:37:26.0
7026	M1O	04-232/05:08:43.3		NOTE: South Pole Crossing 11888		04-232/04:46:37.3
7027	M1O	04-232/05:09:00.8		NOTE: Periapsis 11888		04-232/04:46:54.8

7028	M1O	04-232/05:09:30.9		GV: GV_DESAT_ACTIVE = 0		04-232/04:47:25.0
7029	M1O	04-232/05:09:31.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-232/04:47:26.0
7030	M1O	04-232/05:09:32.9		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-232/04:47:27.0
7031	M1O	04-232/05:09:33.9		CALL, Engine = , Parameters =	unpark_hga	04-232/04:47:28.0
7032	M1O	04-232/05:09:33.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-232/04:47:28.0
7033	M1O	04-232/05:09:34.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-232/04:47:29.0
7034	M1O	04-232/05:14:04.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-232/04:51:59.0
7035	M1O	04-232/05:14:05.9		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-232/04:52:00.0
7036	M1O	04-232/05:17:30.9		SPAWN, Engine = 65535, Parameters = 00:07:08.774	cstr	04-232/04:55:25.0
7037	M1O	04-232/05:17:31.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-232/04:55:25.1
7038	M1O	04-232/05:17:32.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-232/04:55:26.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7039	M1O	04-232/05:17:33.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-232/04:55:27.1
7040	M1O	04-232/05:17:34.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-232/04:55:28.1
7041	M1O	04-232/05:17:35.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-232/04:55:29.1
7042	M1O	04-232/05:17:45.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-232/04:55:39.1
7043	M1O	04-232/05:17:55.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-232/04:55:49.1
7044	M1O	04-232/05:18:05.9		NOTE: EXIT HGA PARK		
7045	M1O	04-232/05:18:05.9	43	Acquisition Of X-Band Signal		
7046	M1O	04-232/05:18:05.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7047	M1O	04-232/05:20:00.0	55	Begin Pre-Cal		
7048	M1O	04-232/05:20:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7049	M1O	04-232/05:20:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7050	M1O	04-232/05:20:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7051	M1O	04-232/05:20:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7052	M1O	04-232/05:20:00.0	55	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
7053	M1O	04-232/05:20:00.0	55	Config: RCV: Parms:		
7054	M1O	04-232/05:20:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
7055	M1O	04-232/05:20:00.0	55	Config: TGC: BAND=X, SR=238896.000000		
7056	M1O	04-232/05:20:00.0	55	Config: TXL		
7057	M1O	04-232/05:20:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
7058	M1O	04-232/05:20:00.0	55	Config: CMD		
7059	M1O	04-232/05:20:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
7060	M1O	04-232/05:25:03.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-232/05:02:57.8
7061	M1O	04-232/05:25:04.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-232/05:02:58.8
7062	M1O	04-232/05:25:04.8	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7063	M1O	04-232/05:25:05.8		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-232/05:02:59.8
7064	M1O	04-232/05:37:59.6		NOTE: Ascending Node Crossing 11888		04-232/05:15:53.7
7065	M1O	04-232/06:07:58.5		NOTE: North Pole Crossing 11888		04-232/05:45:52.5
7066	M1O	04-232/06:08:23.5		NOTE: Apoapsis 11888 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				[0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]		
7086	M1O	04-232/07:23:22.1		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	04-232/07:01:16.2
7087	M1O	04-232/07:23:52.1		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-232/07:01:46.2
7088	M1O	04-232/07:23:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-232/07:01:52.0
7089	M1O	04-232/07:24:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-232/07:01:54.1
7090	M1O	04-232/07:24:00.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7091	M1O	04-232/07:24:00.1	55	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7092	M1O	04-232/07:24:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-232/07:01:55.1
7093	M1O	04-232/07:24:12.1		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-232/07:02:06.2
7094	M1O	04-232/07:24:22.1		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-232/07:02:16.2
7095	M1O	04-232/07:24:42.1		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-232/07:02:36.2
7096	M1O	04-232/07:24:52.1		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-232/07:02:46.2
7097	M1O	04-232/07:24:57.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-232/07:02:51.2
7098	M1O	04-232/07:25:00.0	43	End Tracking		
7099	M1O	04-232/07:25:00.0	55	Range Modulation On: SUP=3.0dB		
7100	M1O	04-232/07:25:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-232/07:02:54.0
7101	M1O	04-232/07:25:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-232/07:02:54.0
7102	M1O	04-232/07:25:00.0	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7103	M1O	04-232/07:25:02.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-232/07:02:56.2
7104	M1O	04-232/07:25:07.1		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-232/07:03:01.2
7105	M1O	04-232/07:25:12.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-232/07:03:06.2
7106	M1O	04-232/07:25:17.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-232/07:03:11.2
7107	M1O	04-232/07:25:57.1		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-232/07:03:51.2
7108	M1O	04-232/07:26:00.0	55	Begin Ranging Acquisition		
7109	M1O	04-232/07:26:02.1		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-232/07:03:56.2
7110	M1O	04-232/07:26:07.1		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-232/07:04:01.2
7111	M1O	04-232/07:26:12.1		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-232/07:04:06.2
7112	M1O	04-232/07:26:17.1		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-232/07:04:11.2
7113	M1O	04-232/07:26:18.1		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-232/07:04:12.2
7114	M1O	04-232/07:26:19.1		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-232/07:04:13.2
7115	M1O	04-232/07:26:20.1		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-232/07:04:14.2
7116	M1O	04-232/07:26:31.1		NOTE: End Block fsw_diag.mod		04-232/07:04:25.2
7117	M1O	04-232/07:30:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-232/07:07:54.1
7118	M1O	04-232/07:30:00.1	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7119	M1O	04-232/07:30:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-232/07:07:55.1
7120	M1O	04-232/07:36:34.1		NOTE: Ascending Node Crossing 11889		04-232/07:14:28.1
7121	M1O	04-232/07:40:00.0	43	End Post-Cal		
7122	M1O	04-232/07:53:09.9		SPAWN, Engine = 65535, Parameters = 3, 00:16:00, 1	dpt	04-232/07:31:03.9
7123	M1O	04-232/07:53:12.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-232/07:31:06.0
7124	M1O	04-232/07:53:12.0	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
7125	M1O	04-232/07:53:13.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-232/07:31:07.0
7126	M1O	04-232/07:54:11.9	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7127	M1O	04-232/08:04:11.9	55	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7128	M1O	04-232/08:06:33.2		NOTE: North Pole Crossing 11889		04-232/07:44:27.2
7129	M1O	04-232/08:06:57.2		NOTE: Apoapsis 11889 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
7168	M1O	04-232/13:09:11.1	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7169	M1O	04-232/13:14:11.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-232/12:52:05.1
7170	M1O	04-232/13:14:11.2	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7171	M1O	04-232/13:14:12.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-232/12:52:06.1
7172	M1O	04-232/13:32:20.8		NOTE: Ascending Node Crossing 11892		04-232/13:10:14.7
7173	M1O	04-232/14:02:18.9		NOTE: North Pole Crossing 11892		04-232/13:40:12.8
7174	M1O	04-232/14:03:24.5		NOTE: Apoapsis 11892 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7208	M1O	04-232/20:15:00.0	43	Begin Pre-Cal		
7209	M1O	04-232/20:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7210	M1O	04-232/20:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7211	M1O	04-232/20:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7212	M1O	04-232/20:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7213	M1O	04-232/20:15:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
7214	M1O	04-232/20:15:00.0	43	Config: RCV: Parms:		
7215	M1O	04-232/20:15:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
7216	M1O	04-232/20:15:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
7217	M1O	04-232/20:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
7218	M1O	04-232/20:27:55.6		NOTE: Descending Node Crossing 11896		04-232/20:05:49.3
7219	M1O	04-232/20:57:14.1		NOTE: South Pole Crossing 11896		04-232/20:35:07.8
7220	M1O	04-232/20:57:44.8		NOTE: Periapsis 11896		04-232/20:35:38.5

7221	M1O	04-232/21:26:31.3		NOTE: Ascending Node Crossing 11896		04-232/21:04:25.0
7222	M1O	04-232/21:35:47.3	25	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
7223	M1O	04-232/21:56:31.0		NOTE: North Pole Crossing 11896		04-232/21:34:24.6
7224	M1O	04-232/21:57:17.7		NOTE: Apoapsis 11896 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7250	M1O	04-232/22:58:12.6	43	D/L Change: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7251	M1O	04-232/22:58:13.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-232/22:36:07.2
7252	M1O	04-232/22:59:12.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7253	M1O	04-232/23:04:12.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-232/22:42:06.2
7254	M1O	04-232/23:04:12.6	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7255	M1O	04-232/23:04:13.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-232/22:42:07.2
7256	M1O	04-232/23:25:07.5		NOTE: Ascending Node Crossing 11897		04-232/23:03:01.1
7257	M1O	04-232/23:55:06.8		NOTE: North Pole Crossing 11897		04-232/23:33:00.4
7258	M1O	04-232/23:55:37.4		NOTE: Apoapsis 11897 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
7287	M1O	04-233/04:03:42.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-233/03:41:35.8
7288	M1O	04-233/04:03:42.2	43	D/L RF Warning: SC antenna change - expect signal level variation		
7289	M1O	04-233/04:03:43.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-233/03:41:36.8
7290	M1O	04-233/04:04:11.5		CALL, Engine = , Parameters = FALSE	park_hga	04-233/03:42:05.1
7291	M1O	04-233/04:04:11.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-233/03:42:05.1
7292	M1O	04-233/04:04:12.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-233/03:42:06.1
7293	M1O	04-233/04:04:13.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-233/03:42:07.1
7294	M1O	04-233/04:04:13.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-233/03:42:07.1
7295	M1O	04-233/04:04:13.5		NOTE: START HGA PARK		
7296	M1O	04-233/04:04:13.5	43	NOTE: Loss Of X-Band Signal		
7297	M1O	04-233/04:04:14.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-233/03:42:08.1
7298	M1O	04-233/04:04:15.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-233/03:42:09.1
7299	M1O	04-233/04:08:45.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-233/03:46:39.1
7300	M1O	04-233/04:12:15.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-233/03:50:09.1
7301	M1O	04-233/04:12:15.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-233/03:50:09.1
7302	M1O	04-233/04:22:11.2		NOTE: Descending Node Crossing 11900		04-233/04:00:04.7
7303	M1O	04-233/04:30:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7304	M1O	04-233/04:35:00.0	43	Range Modulation On: SUP=3.0dB		
7305	M1O	04-233/04:36:00.0	43	Begin Ranging Acquisition		
7306	M1O	04-233/04:42:15.4		GV: GV_DESAT_ACTIVE = 1		04-233/04:20:09.0
7307	M1O	04-233/04:42:16.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-233/04:20:10.0
7308	M1O	04-233/04:42:16.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-233/04:20:10.0
7309	M1O	04-233/04:51:28.5		NOTE: South Pole Crossing 11900		04-233/04:29:22.0
7310	M1O	04-233/04:51:48.2		NOTE: Periapsis 11900		04-233/04:29:41.7

7311	M1O	04-233/04:52:15.4		GV: GV_DESAT_ACTIVE = 0		04-233/04:30:09.0
7312	M1O	04-233/04:52:16.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-233/04:30:10.0
7313	M1O	04-233/04:52:17.4		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-233/04:30:11.0
7314	M1O	04-233/04:52:18.4		CALL, Engine = , Parameters =	unpark_hga	04-233/04:30:12.0
7315	M1O	04-233/04:52:18.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-233/04:30:12.0
7316	M1O	04-233/04:52:19.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-233/04:30:13.0
7317	M1O	04-233/04:56:49.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-233/04:34:43.0
7318	M1O	04-233/04:56:50.4		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-233/04:34:44.0
7319	M1O	04-233/05:00:15.4		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-233/04:38:09.0
7320	M1O	04-233/05:00:15.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-233/04:38:09.1
7321	M1O	04-233/05:00:16.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-233/04:38:10.1
7322	M1O	04-233/05:00:17.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-233/04:38:11.1
7323	M1O	04-233/05:00:18.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-233/04:38:12.1
7324	M1O	04-233/05:00:19.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-233/04:38:13.1
7325	M1O	04-233/05:00:29.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-233/04:38:23.1
7326	M1O	04-233/05:00:39.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-233/04:38:33.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7327	M1O	04-233/05:00:50.4		NOTE: EXIT HGA PARK		
7328	M1O	04-233/05:00:50.4	43	Acquisition Of X-Band Signal		
7329	M1O	04-233/05:00:50.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7330	M1O	04-233/05:07:39.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-233/04:45:33.1
7331	M1O	04-233/05:07:40.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-233/04:45:34.1
7332	M1O	04-233/05:07:40.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7333	M1O	04-233/05:07:41.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-233/04:45:35.1
7334	M1O	04-233/05:13:10.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-233/04:51:04.3
7335	M1O	04-233/05:13:12.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-233/04:51:06.4
7336	M1O	04-233/05:13:12.9	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7337	M1O	04-233/05:13:13.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-233/04:51:07.4
7338	M1O	04-233/05:14:12.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7339	M1O	04-233/05:19:12.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-233/04:57:06.4
7340	M1O	04-233/05:19:12.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7341	M1O	04-233/05:19:13.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-233/04:57:07.4
7342	M1O	04-233/05:20:44.9		NOTE: Ascending Node Crossing 11900		04-233/04:58:38.4
7343	M1O	04-233/05:40:00.0	55	Begin Pre-Cal		
7344	M1O	04-233/05:40:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7345	M1O	04-233/05:40:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7346	M1O	04-233/05:40:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7347	M1O	04-233/05:40:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7348	M1O	04-233/05:40:00.0	55	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
7349	M1O	04-233/05:40:00.0	55	Config: RCV: Parms:		
7350	M1O	04-233/05:40:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
7351	M1O	04-233/05:40:00.0	55	Config: TGC: BAND=X, SR=238896.000000		
7352	M1O	04-233/05:40:00.0	55	Config: TXL		
7353	M1O	04-233/05:40:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
7354	M1O	04-233/05:40:00.0	55	Config: CMD		
7355	M1O	04-233/05:40:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
7356	M1O	04-233/05:50:43.1		NOTE: North Pole Crossing 11900		04-233/05:28:36.6
7357	M1O	04-233/05:51:05.8		NOTE: Apoapsis 11900 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7371	M1O	04-233/07:19:00.1	55	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7372	M1O	04-233/07:19:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-233/06:56:54.5
7373	M1O	04-233/07:19:16.6		NOTE: Ascending Node Crossing 11901		04-233/06:57:10.1
7374	M1O	04-233/07:20:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7375	M1O	04-233/07:20:00.0	43	End Tracking		
7376	M1O	04-233/07:20:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-233/06:57:53.4
7377	M1O	04-233/07:20:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-233/06:57:53.4
7378	M1O	04-233/07:20:00.0	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7379	M1O	04-233/07:22:06.5		SPAWN, Engine = 65535, Parameters =	scdiag	04-233/07:00:00.0
7380	M1O	04-233/07:22:07.6		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-233/07:00:01.1
7381	M1O	04-233/07:22:08.6		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-233/07:00:02.1
7382	M1O	04-233/07:23:09.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-233/07:01:03.0
7383	M1O	04-233/07:23:09.7		NOTE: Start Block fsw_diag		04-233/07:01:03.2
7384	M1O	04-233/07:23:10.7		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-233/07:01:04.2
7385	M1O	04-233/07:23:11.7		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	04-233/07:01:05.2
7386	M1O	04-233/07:23:22.7		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	04-233/07:01:16.2
7387	M1O	04-233/07:23:52.7		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-233/07:01:46.2
7388	M1O	04-233/07:24:12.7		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-233/07:02:06.2
7389	M1O	04-233/07:24:22.7		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-233/07:02:16.2
7390	M1O	04-233/07:24:42.7		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-233/07:02:36.2
7391	M1O	04-233/07:24:52.7		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-233/07:02:46.2
7392	M1O	04-233/07:24:57.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-233/07:02:51.2
7393	M1O	04-233/07:25:00.0	55	Range Modulation On: SUP=3.0dB		
7394	M1O	04-233/07:25:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-233/07:02:53.5
7395	M1O	04-233/07:25:00.1	55	D/L Change: X/08, 3-Way/43, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7396	M1O	04-233/07:25:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-233/07:02:54.5
7397	M1O	04-233/07:25:02.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-233/07:02:56.2
7398	M1O	04-233/07:25:07.7		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-233/07:03:01.2
7399	M1O	04-233/07:25:12.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-233/07:03:06.2
7400	M1O	04-233/07:25:17.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-233/07:03:11.2
7401	M1O	04-233/07:25:57.7		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-233/07:03:51.2
7402	M1O	04-233/07:26:00.0	55	Begin Ranging Acquisition		
7403	M1O	04-233/07:26:02.7		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-233/07:03:56.2
7404	M1O	04-233/07:26:07.7		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-233/07:04:01.2
7405	M1O	04-233/07:26:12.7		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-233/07:04:06.2
7406	M1O	04-233/07:26:17.7		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-233/07:04:11.2
7407	M1O	04-233/07:26:18.7		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-233/07:04:12.2
7408	M1O	04-233/07:26:19.7		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-233/07:04:13.2
7409	M1O	04-233/07:26:20.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-233/07:04:14.2
7410	M1O	04-233/07:26:31.7		NOTE: End Block fsw_diag.mod		04-233/07:04:25.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7411	M1O	04-233/07:35:00.0	43	End Post-Cal		
7412	M1O	04-233/07:49:15.9		NOTE: North Pole Crossing 11901		04-233/07:27:09.4
7413	M1O	04-233/07:49:21.4		NOTE: Apoapsis 11901 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7451	M1O	04-233/15:55:00.0	24	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7452	M1O	04-233/15:55:00.0	24	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
7453	M1O	04-233/15:55:00.0	24	Config: RCV: Parms:		
7454	M1O	04-233/15:55:00.0	24	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
7455	M1O	04-233/15:55:00.0	24	Config: TGC: BAND=X, SR=85320.000000		
7456	M1O	04-233/15:55:00.0	24	Config: TXL		
7457	M1O	04-233/15:55:00.0	24	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
7458	M1O	04-233/15:55:00.0	24	Config: CMD		
7459	M1O	04-233/16:13:33.5		NOTE: Descending Node Crossing 11906		04-233/15:51:26.8
7460	M1O	04-233/16:42:50.6		NOTE: South Pole Crossing 11906		04-233/16:20:43.9
7461	M1O	04-233/16:43:10.3		NOTE: Periapsis 11906		04-233/16:21:03.6

7462	M1O	04-233/17:10:59.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
7463	M1O	04-233/17:12:06.9		NOTE: Ascending Node Crossing 11906		04-233/16:50:00.1
7464	M1O	04-233/17:20:59.0	55	Range Modulation Off		
7465	M1O	04-233/17:25:00.0	24	Begin Tracking		
7466	M1O	04-233/17:25:00.0	24	Acquire D/L: X/08, 3-Way/55, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7467	M1O	04-233/17:25:59.0	55	X-Band Transmitter Off		
7468	M1O	04-233/17:26:00.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7469	M1O	04-233/17:42:04.6		NOTE: North Pole Crossing 11906		04-233/17:19:57.9
7470	M1O	04-233/17:42:33.8		NOTE: Apoapsis 11906 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				-		
7494	M1O	04-233/20:10:36.9		NOTE: Descending Node Crossing 11908		04-233/19:48:30.1
7495	M1O	04-233/20:39:55.1		NOTE: South Pole Crossing 11908		04-233/20:17:48.2
7496	M1O	04-233/20:40:14.0		NOTE: Periapsis 11908		04-233/20:18:07.2

7497	M1O	04-233/21:09:12.6		NOTE: Ascending Node Crossing 11908		04-233/20:47:05.7
7498	M1O	04-233/21:29:59.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
7499	M1O	04-233/21:39:12.5		NOTE: North Pole Crossing 11908		04-233/21:17:05.6
7500	M1O	04-233/21:39:48.9		NOTE: Apoapsis 11908 -		04-233/21:17:42.1
				-		
7501	M1O	04-233/21:44:59.0	24	X-Band Transmitter Off		
7502	M1O	04-233/22:09:13.4		NOTE: Descending Node Crossing 11909		04-233/21:47:06.6
7503	M1O	04-233/22:28:10.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-233/22:06:03.7
7504	M1O	04-233/22:28:12.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-233/22:06:05.8
7505	M1O	04-233/22:28:12.6	24	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7506	M1O	04-233/22:28:13.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-233/22:06:06.8
7507	M1O	04-233/22:29:12.6	24	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7508	M1O	04-233/22:34:12.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-233/22:12:05.8
7509	M1O	04-233/22:34:12.7	24	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7510	M1O	04-233/22:34:13.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-233/22:12:06.8
7511	M1O	04-233/22:38:31.5		NOTE: South Pole Crossing 11909		04-233/22:16:24.6
7512	M1O	04-233/22:38:52.1		NOTE: Periapsis 11909		04-233/22:16:45.2

7513	M1O	04-233/23:07:48.5		NOTE: Ascending Node Crossing 11909		04-233/22:45:41.7
7514	M1O	04-233/23:37:48.6		NOTE: North Pole Crossing 11909		04-233/23:15:41.7
7515	M1O	04-233/23:38:13.8		NOTE: Apoapsis 11909 -		04-233/23:16:06.9
				-		
7516	M1O	04-234/00:00:00.0		Light Time: OWLT = 22:06, RTLT = 44:13		
7517	M1O	04-234/00:05:00.0	43	Begin Pre-Cal		
7518	M1O	04-234/00:05:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7519	M1O	04-234/00:05:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7520	M1O	04-234/00:05:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7521	M1O	04-234/00:05:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7522	M1O	04-234/00:05:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
7523	M1O	04-234/00:05:00.0	43	Config: RCV: Parms:		
7524	M1O	04-234/00:05:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
7525	M1O	04-234/00:05:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
7526	M1O	04-234/00:05:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
7527	M1O	04-234/00:07:49.5		NOTE: Descending Node Crossing 11910		04-233/23:45:42.6
7528	M1O	04-234/00:37:07.6		NOTE: South Pole Crossing 11910		04-234/00:15:00.7
7529	M1O	04-234/00:37:23.0		NOTE: Periapsis 11910		04-234/00:15:16.0

7530	M1O	04-234/01:06:24.7		NOTE: Ascending Node Crossing 11910		04-234/00:44:17.8
7531	M1O	04-234/01:18:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-234/00:56:51.0
7532	M1O	04-234/01:19:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-234/00:56:53.1
7533	M1O	04-234/01:19:00.1	24	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7534	M1O	04-234/01:19:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-234/00:56:54.1
7535	M1O	04-234/01:20:00.0	43	Begin Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7536	M1O	04-234/01:20:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7537	M1O	04-234/01:20:00.0		NOTE: Changing to 70M downlink rate: 39816_BPS		04-234/00:57:53.0
7538	M1O	04-234/01:20:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-234/00:57:53.0
7539	M1O	04-234/01:20:00.0	24	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7540	M1O	04-234/01:20:00.0	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7541	M1O	04-234/01:25:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-234/01:02:53.1
7542	M1O	04-234/01:25:00.1	24	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7543	M1O	04-234/01:25:00.1	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7544	M1O	04-234/01:25:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-234/01:02:54.1
7545	M1O	04-234/01:36:23.9		NOTE: North Pole Crossing 11910		04-234/01:14:17.0
7546	M1O	04-234/01:36:33.6		NOTE: Apoapsis 11910 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7575	M1O	04-234/03:46:55.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-234/03:24:48.1
7576	M1O	04-234/03:46:56.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-234/03:24:49.1
7577	M1O	04-234/03:46:57.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-234/03:24:50.1
7578	M1O	04-234/03:46:57.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-234/03:24:50.1
7579	M1O	04-234/03:46:57.0		NOTE: START HGA PARK		
7580	M1O	04-234/03:46:57.0	43	NOTE: Loss Of X-Band Signal		
7581	M1O	04-234/03:46:58.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-234/03:24:51.1
7582	M1O	04-234/03:46:59.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-234/03:24:52.1
7583	M1O	04-234/03:51:29.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-234/03:29:22.1
7584	M1O	04-234/03:54:59.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-234/03:32:52.1
7585	M1O	04-234/03:54:59.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-234/03:32:52.1
7586	M1O	04-234/04:04:55.4		NOTE: Descending Node Crossing 11912		04-234/03:42:48.5
7587	M1O	04-234/04:24:58.9		GV: GV_DESAT_ACTIVE = 1		04-234/04:02:52.0
7588	M1O	04-234/04:24:59.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-234/04:02:53.0
7589	M1O	04-234/04:24:59.9		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-234/04:02:53.0
7590	M1O	04-234/04:34:12.8		NOTE: South Pole Crossing 11912		04-234/04:12:05.8
7591	M1O	04-234/04:34:29.3		NOTE: Periapsis 11912		04-234/04:12:22.3

7592	M1O	04-234/04:34:58.9		GV: GV_DESAT_ACTIVE = 0		04-234/04:12:52.0
7593	M1O	04-234/04:34:59.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-234/04:12:53.0
7594	M1O	04-234/04:35:00.9		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-234/04:12:54.0
7595	M1O	04-234/04:35:01.9		CALL, Engine = , Parameters =	unpark_hga	04-234/04:12:55.0
7596	M1O	04-234/04:35:01.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-234/04:12:55.0
7597	M1O	04-234/04:35:02.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-234/04:12:56.0
7598	M1O	04-234/04:39:32.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-234/04:17:26.0
7599	M1O	04-234/04:39:33.9		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-234/04:17:27.0
7600	M1O	04-234/04:42:58.9		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-234/04:20:52.0
7601	M1O	04-234/04:42:59.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-234/04:20:52.1
7602	M1O	04-234/04:43:00.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-234/04:20:53.1
7603	M1O	04-234/04:43:01.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-234/04:20:54.1
7604	M1O	04-234/04:43:02.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-234/04:20:55.1
7605	M1O	04-234/04:43:03.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-234/04:20:56.1
7606	M1O	04-234/04:43:13.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-234/04:21:06.1
7607	M1O	04-234/04:43:23.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-234/04:21:16.1
7608	M1O	04-234/04:43:33.9		NOTE: EXIT HGA PARK		
7609	M1O	04-234/04:43:33.9	43	Acquisition Of X-Band Signal		
7610	M1O	04-234/04:43:33.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7611	M1O	04-234/04:50:23.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-234/04:28:16.1
7612	M1O	04-234/04:50:24.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-234/04:28:17.1
7613	M1O	04-234/04:50:24.0	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7614	M1O	04-234/04:50:25.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-234/04:28:18.1
7615	M1O	04-234/05:03:29.4		NOTE: Ascending Node Crossing 11912		04-234/04:41:22.4
7616	M1O	04-234/05:33:27.5		NOTE: North Pole Crossing 11912		04-234/05:11:20.5
7617	M1O	04-234/05:33:45.7		NOTE: Apoapsis 11912 - - -

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]		
7662	M1O	04-234/07:23:53.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-234/07:01:46.2
7663	M1O	04-234/07:24:13.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-234/07:02:06.2
7664	M1O	04-234/07:24:23.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-234/07:02:16.2
7665	M1O	04-234/07:24:43.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-234/07:02:36.2
7666	M1O	04-234/07:24:53.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-234/07:02:46.2
7667	M1O	04-234/07:24:58.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-234/07:02:51.2
7668	M1O	04-234/07:25:03.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-234/07:02:56.2
7669	M1O	04-234/07:25:08.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-234/07:03:01.2
7670	M1O	04-234/07:25:13.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-234/07:03:06.2
7671	M1O	04-234/07:25:18.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-234/07:03:11.2
7672	M1O	04-234/07:25:58.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-234/07:03:51.2
7673	M1O	04-234/07:26:03.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-234/07:03:56.2
7674	M1O	04-234/07:26:08.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-234/07:04:01.2
7675	M1O	04-234/07:26:13.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-234/07:04:06.2
7676	M1O	04-234/07:26:18.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-234/07:04:11.2
7677	M1O	04-234/07:26:19.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-234/07:04:12.2
7678	M1O	04-234/07:26:20.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-234/07:04:13.2
7679	M1O	04-234/07:26:21.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-234/07:04:14.2
7680	M1O	04-234/07:26:32.2		NOTE: End Block fsw_diag.mod		04-234/07:04:25.2
7681	M1O	04-234/07:30:00.0	43	End Tracking		
7682	M1O	04-234/07:31:58.9		NOTE: North Pole Crossing 11913		04-234/07:09:51.9
7683	M1O	04-234/07:32:00.4		NOTE: Apoapsis 11913 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7704	M1O	04-234/10:30:05.0		NOTE: Periapsis 11915 ----------		04-234/10:07:57.9
7705	M1O	04-234/10:59:10.8		NOTE: Ascending Node Crossing 11915		04-234/10:37:03.7
7706	M1O	04-234/11:29:09.8		NOTE: North Pole Crossing 11915		04-234/11:07:02.6
7707	M1O	04-234/11:29:38.5		NOTE: Apoapsis 11915 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7746	M1O	04-234/14:45:00.0	55	End Tracking		
7747	M1O	04-234/14:46:41.0	25	NOTE: Above Uplink Interlock Limit		
7748	M1O	04-234/14:56:20.4		NOTE: Ascending Node Crossing 11917		04-234/14:34:13.2
7749	M1O	04-234/15:00:00.0	55	End Post-Cal		
7750	M1O	04-234/15:23:12.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-234/15:01:05.1
7751	M1O	04-234/15:23:14.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-234/15:01:07.2
7752	M1O	04-234/15:23:14.4	25	D/L Change: X/08, 3-Way/55, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7753	M1O	04-234/15:23:15.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-234/15:01:08.2
7754	M1O	04-234/15:24:14.3	25	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7755	M1O	04-234/15:26:19.1		NOTE: North Pole Crossing 11917		04-234/15:04:11.9
7756	M1O	04-234/15:27:00.7		NOTE: Apoapsis 11917 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7786	M1O	04-234/20:10:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7787	M1O	04-234/20:10:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7788	M1O	04-234/20:10:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7789	M1O	04-234/20:10:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
7790	M1O	04-234/20:10:00.0	43	Config: RCV: Parms:		
7791	M1O	04-234/20:10:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
7792	M1O	04-234/20:10:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
7793	M1O	04-234/20:10:00.0	43	Config: TXL		
7794	M1O	04-234/20:10:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
7795	M1O	04-234/20:10:00.0	43	Config: CMD		
7796	M1O	04-234/20:10:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
7797	M1O	04-234/20:22:37.8		NOTE: South Pole Crossing 11920		04-234/20:00:30.5
7798	M1O	04-234/20:22:45.7		NOTE: Periapsis 11920		04-234/20:00:38.4

7799	M1O	04-234/20:51:55.6		NOTE: Ascending Node Crossing 11920		04-234/20:29:48.3
7800	M1O	04-234/21:21:55.2		NOTE: North Pole Crossing 11920		04-234/20:59:47.8
7801	M1O	04-234/21:22:23.2		NOTE: Apoapsis 11920 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7829	M1O	04-234/23:20:31.0		NOTE: North Pole Crossing 11921		04-234/22:58:23.6
7830	M1O	04-234/23:20:53.5		NOTE: Apoapsis 11921 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7867	M1O	04-235/03:28:52.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-235/03:06:44.8
7868	M1O	04-235/03:28:52.2	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7869	M1O	04-235/03:28:53.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-235/03:06:45.8
7870	M1O	04-235/03:29:09.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-235/03:07:01.8
7871	M1O	04-235/03:29:09.2	43	D/L RF Warning: SC antenna change - expect signal level variation		
7872	M1O	04-235/03:29:10.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-235/03:07:02.8
7873	M1O	04-235/03:29:38.5		CALL, Engine = , Parameters = FALSE	park_hga	04-235/03:07:31.1
7874	M1O	04-235/03:29:38.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-235/03:07:31.1
7875	M1O	04-235/03:29:39.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-235/03:07:32.1
7876	M1O	04-235/03:29:40.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-235/03:07:33.1
7877	M1O	04-235/03:29:40.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-235/03:07:33.1
7878	M1O	04-235/03:29:40.5		NOTE: START HGA PARK		
7879	M1O	04-235/03:29:40.5	43	NOTE: Loss Of X-Band Signal		
7880	M1O	04-235/03:29:41.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-235/03:07:34.1
7881	M1O	04-235/03:29:42.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-235/03:07:35.1
7882	M1O	04-235/03:34:12.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-235/03:12:05.1
7883	M1O	04-235/03:37:42.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-235/03:15:35.1
7884	M1O	04-235/03:37:42.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-235/03:15:35.1
7885	M1O	04-235/03:47:39.6		NOTE: Descending Node Crossing 11924		04-235/03:25:32.1
7886	M1O	04-235/04:07:42.4		GV: GV_DESAT_ACTIVE = 1		04-235/03:45:35.0
7887	M1O	04-235/04:07:43.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-235/03:45:36.0
7888	M1O	04-235/04:07:43.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-235/03:45:36.0
7889	M1O	04-235/04:16:57.3		NOTE: South Pole Crossing 11924		04-235/03:54:49.8
7890	M1O	04-235/04:17:06.0		NOTE: Periapsis 11924		04-235/03:54:58.5

7891	M1O	04-235/04:17:42.4		GV: GV_DESAT_ACTIVE = 0		04-235/03:55:35.0
7892	M1O	04-235/04:17:43.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-235/03:55:36.0
7893	M1O	04-235/04:17:44.4		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-235/03:55:37.0
7894	M1O	04-235/04:17:45.4		CALL, Engine = , Parameters =	unpark_hga	04-235/03:55:38.0
7895	M1O	04-235/04:17:45.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-235/03:55:38.0
7896	M1O	04-235/04:17:46.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-235/03:55:39.0
7897	M1O	04-235/04:22:16.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-235/04:00:09.0
7898	M1O	04-235/04:22:17.4		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-235/04:00:10.0
7899	M1O	04-235/04:25:42.4		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-235/04:03:35.0
7900	M1O	04-235/04:25:42.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-235/04:03:35.1
7901	M1O	04-235/04:25:43.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-235/04:03:36.1
7902	M1O	04-235/04:25:44.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-235/04:03:37.1
7903	M1O	04-235/04:25:45.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-235/04:03:38.1
7904	M1O	04-235/04:25:46.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-235/04:03:39.1
7905	M1O	04-235/04:25:56.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-235/04:03:49.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7906	M1O	04-235/04:26:06.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-235/04:03:59.1
7907	M1O	04-235/04:26:17.4		NOTE: EXIT HGA PARK		
7908	M1O	04-235/04:26:17.4	43	Acquisition Of X-Band Signal		
7909	M1O	04-235/04:26:17.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7910	M1O	04-235/04:33:06.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-235/04:10:59.1
7911	M1O	04-235/04:33:07.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-235/04:11:00.1
7912	M1O	04-235/04:33:07.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7913	M1O	04-235/04:33:08.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-235/04:11:01.1
7914	M1O	04-235/04:46:14.5		NOTE: Ascending Node Crossing 11924		04-235/04:24:07.0
7915	M1O	04-235/05:10:00.0	65	Begin Pre-Cal		
7916	M1O	04-235/05:10:00.0	65	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7917	M1O	04-235/05:10:00.0	65	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7918	M1O	04-235/05:10:00.0	65	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7919	M1O	04-235/05:10:00.0	65	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7920	M1O	04-235/05:10:00.0	65	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
7921	M1O	04-235/05:10:00.0	65	Config: RCV: Parms:		
7922	M1O	04-235/05:10:00.0	65	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
7923	M1O	04-235/05:10:00.0	65	Config: TGC: BAND=X, SR=238896.000000		
7924	M1O	04-235/05:10:00.0	65	Config: TXL		
7925	M1O	04-235/05:10:00.0	65	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
7926	M1O	04-235/05:10:00.0	65	Config: CMD		
7927	M1O	04-235/05:10:00.0	65	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
7928	M1O	04-235/05:16:12.3		NOTE: North Pole Crossing 11924		04-235/04:54:04.8
7929	M1O	04-235/05:16:20.9		NOTE: Apoapsis 11924 - - -

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]		
7951	M1O	04-235/07:23:53.7		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-235/07:01:46.2
7952	M1O	04-235/07:24:13.7		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-235/07:02:06.2
7953	M1O	04-235/07:24:23.7		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-235/07:02:16.2
7954	M1O	04-235/07:24:43.7		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-235/07:02:36.2
7955	M1O	04-235/07:24:53.7		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-235/07:02:46.2
7956	M1O	04-235/07:24:58.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-235/07:02:51.2
7957	M1O	04-235/07:25:03.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-235/07:02:56.2
7958	M1O	04-235/07:25:08.7		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-235/07:03:01.2
7959	M1O	04-235/07:25:13.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-235/07:03:06.2
7960	M1O	04-235/07:25:18.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-235/07:03:11.2
7961	M1O	04-235/07:25:58.7		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-235/07:03:51.2
7962	M1O	04-235/07:26:03.7		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-235/07:03:56.2
7963	M1O	04-235/07:26:08.7		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-235/07:04:01.2
7964	M1O	04-235/07:26:13.7		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-235/07:04:06.2
7965	M1O	04-235/07:26:18.7		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-235/07:04:11.2
7966	M1O	04-235/07:26:19.7		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-235/07:04:12.2
7967	M1O	04-235/07:26:20.7		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-235/07:04:13.2
7968	M1O	04-235/07:26:21.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-235/07:04:14.2
7969	M1O	04-235/07:26:32.7		NOTE: End Block fsw_diag.mod		04-235/07:04:25.2
7970	M1O	04-235/07:28:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-235/07:06:50.4
7971	M1O	04-235/07:29:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-235/07:06:52.5
7972	M1O	04-235/07:29:00.1	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7973	M1O	04-235/07:29:00.1	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7974	M1O	04-235/07:29:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-235/07:06:53.5
7975	M1O	04-235/07:30:00.0	43	End Tracking		
7976	M1O	04-235/07:30:00.0		NOTE: Changing to 34M (HEF) downlink rate: 14220_BPS		04-235/07:07:52.4
7977	M1O	04-235/07:30:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-235/07:07:52.4
7978	M1O	04-235/07:30:00.0	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7979	M1O	04-235/07:35:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-235/07:12:52.5
7980	M1O	04-235/07:35:00.1	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7981	M1O	04-235/07:35:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-235/07:12:53.5
7982	M1O	04-235/07:44:41.6		NOTE: Descending Node Crossing 11926		04-235/07:22:34.0
7983	M1O	04-235/07:45:00.0	43	End Post-Cal		
7984	M1O	04-235/07:58:13.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-235/07:36:05.4
7985	M1O	04-235/07:58:15.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-235/07:36:07.5
7986	M1O	04-235/07:58:15.1	65	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7987	M1O	04-235/07:58:16.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-235/07:36:08.5
7988	M1O	04-235/07:59:15.0	65	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7989	M1O	04-235/08:04:15.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-235/07:42:07.5
7990	M1O	04-235/08:04:15.1	65	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7991	M1O	04-235/08:04:16.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-235/07:42:08.5
7992	M1O	04-235/08:13:39.5		NOTE: Periapsis 11926		04-235/07:51:31.9

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

7993	M1O	04-235/08:13:58.3		NOTE: South Pole Crossing 11926		04-235/07:51:50.7
7994	M1O	04-235/08:43:15.7		NOTE: Ascending Node Crossing 11926		04-235/08:21:08.2
7995	M1O	04-235/09:12:55.9		NOTE: Apoapsis 11926 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8036	M1O	04-235/14:39:02.7		NOTE: Ascending Node Crossing 11929		04-235/14:16:55.0
8037	M1O	04-235/14:40:00.0	15	Begin Tracking		
8038	M1O	04-235/14:40:00.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8039	M1O	04-235/14:45:19.0	15	NOTE: Above Uplink Interlock Limit		
8040	M1O	04-235/14:50:00.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8041	M1O	04-235/14:55:00.0	15	Range Modulation On: SUP=3.0dB		
8042	M1O	04-235/14:56:00.0	15	Begin Ranging Acquisition		
8043	M1O	04-235/15:00:00.0	65	End Tracking		
8044	M1O	04-235/15:00:00.0	65	End Post-Cal		
8045	M1O	04-235/15:09:01.7		NOTE: North Pole Crossing 11929		04-235/14:46:54.0
8046	M1O	04-235/15:09:31.7		NOTE: Apoapsis 11929 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8078	M1O	04-235/19:49:15.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-235/19:27:07.8
8079	M1O	04-235/20:05:14.2		NOTE: Periapsis 11932 ----------		04-235/19:43:06.4
8080	M1O	04-235/20:05:19.7		NOTE: South Pole Crossing 11932		04-235/19:43:11.9
8081	M1O	04-235/20:10:00.0	43	Begin Pre-Cal		
8082	M1O	04-235/20:10:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8083	M1O	04-235/20:10:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8084	M1O	04-235/20:10:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8085	M1O	04-235/20:10:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8086	M1O	04-235/20:10:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
8087	M1O	04-235/20:10:00.0	43	Config: RCV: Parms:		
8088	M1O	04-235/20:10:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
8089	M1O	04-235/20:10:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
8090	M1O	04-235/20:10:00.0	43	Config: TXL		
8091	M1O	04-235/20:10:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
8092	M1O	04-235/20:10:00.0	43	Config: CMD		
8093	M1O	04-235/20:10:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
8094	M1O	04-235/20:34:37.4		NOTE: Ascending Node Crossing 11932		04-235/20:12:29.6
8095	M1O	04-235/21:04:36.7		NOTE: North Pole Crossing 11932		04-235/20:42:28.9
8096	M1O	04-235/21:04:49.3		NOTE: Apoapsis 11932 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
8123	M1O	04-235/22:43:15.6	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8124	M1O	04-235/22:43:16.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-235/22:21:08.8
8125	M1O	04-235/22:44:15.6	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8126	M1O	04-235/22:49:15.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-235/22:27:07.8
8127	M1O	04-235/22:49:15.6	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8128	M1O	04-235/22:49:16.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-235/22:27:08.8
8129	M1O	04-235/23:03:12.1		NOTE: North Pole Crossing 11933		04-235/22:41:04.2
8130	M1O	04-235/23:03:24.1		NOTE: Apoapsis 11933 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8160	M1O	04-236/03:11:28.7	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8161	M1O	04-236/03:11:29.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-236/02:49:21.8
8162	M1O	04-236/03:11:45.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-236/02:49:37.8
8163	M1O	04-236/03:11:45.7	43	D/L RF Warning: SC antenna change - expect signal level variation		
8164	M1O	04-236/03:11:46.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-236/02:49:38.8
8165	M1O	04-236/03:12:16.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8166	M1O	04-236/03:12:20.0		CALL, Engine = , Parameters = FALSE	park_hga	04-236/02:50:12.1
8167	M1O	04-236/03:12:20.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-236/02:50:12.1
8168	M1O	04-236/03:12:21.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-236/02:50:13.1
8169	M1O	04-236/03:12:22.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-236/02:50:14.1
8170	M1O	04-236/03:12:22.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-236/02:50:14.1
8171	M1O	04-236/03:12:22.0		NOTE: START HGA PARK		
8172	M1O	04-236/03:12:22.0	43	NOTE: Loss Of X-Band Signal		
8173	M1O	04-236/03:12:23.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-236/02:50:15.1
8174	M1O	04-236/03:12:24.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-236/02:50:16.1
8175	M1O	04-236/03:16:54.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-236/02:54:46.1
8176	M1O	04-236/03:20:24.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-236/02:58:16.1
8177	M1O	04-236/03:20:24.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-236/02:58:16.1
8178	M1O	04-236/03:30:22.7		NOTE: Descending Node Crossing 11936		04-236/03:08:14.8
8179	M1O	04-236/03:50:23.9		GV: GV_DESAT_ACTIVE = 1		04-236/03:28:16.0
8180	M1O	04-236/03:50:24.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-236/03:28:17.0
8181	M1O	04-236/03:50:24.9		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-236/03:28:17.0
8182	M1O	04-236/03:59:38.7		NOTE: Periapsis 11936		04-236/03:37:30.8

8183	M1O	04-236/03:59:40.2		NOTE: South Pole Crossing 11936		04-236/03:37:32.3
8184	M1O	04-236/04:00:23.9		GV: GV_DESAT_ACTIVE = 0		04-236/03:38:16.0
8185	M1O	04-236/04:00:24.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-236/03:38:17.0
8186	M1O	04-236/04:00:25.9		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-236/03:38:18.0
8187	M1O	04-236/04:00:26.9		CALL, Engine = , Parameters =	unpark_hga	04-236/03:38:19.0
8188	M1O	04-236/04:00:26.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-236/03:38:19.0
8189	M1O	04-236/04:00:27.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-236/03:38:20.0
8190	M1O	04-236/04:04:57.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-236/03:42:50.0
8191	M1O	04-236/04:04:58.9		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-236/03:42:51.0
8192	M1O	04-236/04:08:23.9		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-236/03:46:16.0
8193	M1O	04-236/04:08:24.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-236/03:46:16.1
8194	M1O	04-236/04:08:25.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-236/03:46:17.1
8195	M1O	04-236/04:08:26.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-236/03:46:18.1
8196	M1O	04-236/04:08:27.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-236/03:46:19.1
8197	M1O	04-236/04:08:28.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-236/03:46:20.1
8198	M1O	04-236/04:08:38.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-236/03:46:30.1
8199	M1O	04-236/04:08:48.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-236/03:46:40.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8200	M1O	04-236/04:08:58.9		NOTE: EXIT HGA PARK		
8201	M1O	04-236/04:08:58.9	43	Acquisition Of X-Band Signal		
8202	M1O	04-236/04:08:58.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8203	M1O	04-236/04:15:48.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-236/03:53:40.1
8204	M1O	04-236/04:15:49.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-236/03:53:41.1
8205	M1O	04-236/04:15:49.0	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8206	M1O	04-236/04:15:50.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-236/03:53:42.1
8207	M1O	04-236/04:28:57.6		NOTE: Ascending Node Crossing 11936		04-236/04:06:49.6
8208	M1O	04-236/04:45:00.0	63	Begin Pre-Cal		
8209	M1O	04-236/04:45:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8210	M1O	04-236/04:45:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8211	M1O	04-236/04:45:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8212	M1O	04-236/04:45:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8213	M1O	04-236/04:45:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
8214	M1O	04-236/04:45:00.0	63	Config: RCV: Parms:		
8215	M1O	04-236/04:45:00.0	63	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
8216	M1O	04-236/04:45:00.0	63	Config: TGC: BAND=X, SR=238896.000000		
8217	M1O	04-236/04:45:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8218	M1O	04-236/04:58:45.2		NOTE: Apoapsis 11936 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8249	M1O	04-236/07:22:07.9		SPAWN, Engine = 65535, Parameters =	scdiag	04-236/07:00:00.0
8250	M1O	04-236/07:22:09.0		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-236/07:00:01.1
8251	M1O	04-236/07:22:10.0		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-236/07:00:02.1
8252	M1O	04-236/07:23:10.9		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-236/07:01:03.0
8253	M1O	04-236/07:23:11.1		NOTE: Start Block fsw_diag		04-236/07:01:03.2
8254	M1O	04-236/07:23:12.1		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-236/07:01:04.2
8255	M1O	04-236/07:23:13.1		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	04-236/07:01:05.2
8256	M1O	04-236/07:23:24.1		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	04-236/07:01:16.2
8257	M1O	04-236/07:23:54.1		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-236/07:01:46.2
8258	M1O	04-236/07:24:14.1		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-236/07:02:06.2
8259	M1O	04-236/07:24:24.1		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-236/07:02:16.2
8260	M1O	04-236/07:24:44.1		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-236/07:02:36.2
8261	M1O	04-236/07:24:54.1		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-236/07:02:46.2
8262	M1O	04-236/07:24:59.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-236/07:02:51.2
8263	M1O	04-236/07:25:04.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-236/07:02:56.2
8264	M1O	04-236/07:25:09.1		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-236/07:03:01.2
8265	M1O	04-236/07:25:14.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-236/07:03:06.2
8266	M1O	04-236/07:25:19.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-236/07:03:11.2
8267	M1O	04-236/07:25:59.1		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-236/07:03:51.2
8268	M1O	04-236/07:26:04.1		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-236/07:03:56.2
8269	M1O	04-236/07:26:09.1		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-236/07:04:01.2
8270	M1O	04-236/07:26:14.1		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-236/07:04:06.2
8271	M1O	04-236/07:26:19.1		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-236/07:04:11.2
8272	M1O	04-236/07:26:20.1		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-236/07:04:12.2
8273	M1O	04-236/07:26:21.1		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-236/07:04:13.2
8274	M1O	04-236/07:26:22.1		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-236/07:04:14.2
8275	M1O	04-236/07:26:33.1		NOTE: End Block fsw_diag.mod		04-236/07:04:25.2
8276	M1O	04-236/07:27:25.1		NOTE: Descending Node Crossing 11938		04-236/07:05:17.1
8277	M1O	04-236/07:30:00.0	43	End Tracking		
8278	M1O	04-236/07:45:00.0	43	End Post-Cal		
8279	M1O	04-236/07:56:23.8		NOTE: Periapsis 11938 ----------		04-236/07:34:15.8
8280	M1O	04-236/07:56:41.3		NOTE: South Pole Crossing 11938		04-236/07:34:33.3
8281	M1O	04-236/07:58:13.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-236/07:36:05.9
8282	M1O	04-236/07:58:16.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-236/07:36:08.0
8283	M1O	04-236/07:58:16.0	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8284	M1O	04-236/07:58:16.0	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8285	M1O	04-236/07:58:17.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-236/07:36:09.0
8286	M1O	04-236/07:59:15.9	63	Acquire D/L: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8287	M1O	04-236/07:59:15.9	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8288	M1O	04-236/08:04:16.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-236/07:42:08.0
8289	M1O	04-236/08:04:16.0	63	D/L Change: X/08, 3-Way/55, 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
8290	M1O	04-236/08:04:16.0	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8291	M1O	04-236/08:04:17.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-236/07:42:09.0
8292	M1O	04-236/08:25:58.3		NOTE: Ascending Node Crossing 11938		04-236/08:03:50.3
8293	M1O	04-236/08:55:33.9		NOTE: Apoapsis 11938 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8330	M1O	04-236/16:20:19.0		NOTE: Ascending Node Crossing 11942		04-236/15:58:10.9
8331	M1O	04-236/16:50:18.2		NOTE: North Pole Crossing 11942		04-236/16:28:10.0
8332	M1O	04-236/16:50:33.7		NOTE: Apoapsis 11942 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8374	M1O	04-236/20:13:17.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-236/19:51:09.2
8375	M1O	04-236/20:14:16.4	26	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8376	M1O	04-236/20:17:21.4		NOTE: Ascending Node Crossing 11944		04-236/19:55:13.2
8377	M1O	04-236/20:19:16.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-236/19:57:08.2
8378	M1O	04-236/20:19:16.4	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8379	M1O	04-236/20:19:17.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-236/19:57:09.2
8380	M1O	04-236/20:47:16.5		NOTE: Apoapsis 11944 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8412	M1O	04-237/02:04:10.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-237/01:42:01.8
8413	M1O	04-237/02:04:10.1	26	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8414	M1O	04-237/02:04:11.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-237/01:42:02.8
8415	M1O	04-237/02:04:27.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-237/01:42:18.8
8416	M1O	04-237/02:04:27.1	26	D/L RF Warning: SC antenna change - expect signal level variation		
8417	M1O	04-237/02:04:28.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-237/01:42:19.8
8418	M1O	04-237/02:04:58.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8419	M1O	04-237/02:05:00.0	26	End Tracking		
8420	M1O	04-237/02:13:05.5		NOTE: Ascending Node Crossing 11947		04-237/01:50:57.2
8421	M1O	04-237/02:15:00.0	34	Begin Pre-Cal		
8422	M1O	04-237/02:15:00.0	34	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
8423	M1O	04-237/02:15:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8424	M1O	04-237/02:15:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8425	M1O	04-237/02:15:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8426	M1O	04-237/02:15:00.0	34	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
8427	M1O	04-237/02:15:00.0	34	Config: RCV: Parms:		
8428	M1O	04-237/02:15:00.0	34	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
8429	M1O	04-237/02:15:00.0	34	Config: TGC: BAND=X, SR=85320.000000		
8430	M1O	04-237/02:15:00.0	34	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8431	M1O	04-237/02:20:00.0	26	End Post-Cal		
8432	M1O	04-237/02:42:44.9		NOTE: Apoapsis 11947 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_desat_stop.cfg		
8457	M1O	04-237/03:43:08.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-237/03:21:00.0
8458	M1O	04-237/03:43:09.3		CALL, Engine = , Parameters =	unpark_hga	04-237/03:21:01.0
8459	M1O	04-237/03:43:09.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-237/03:21:01.0
8460	M1O	04-237/03:43:10.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-237/03:21:02.0
8461	M1O	04-237/03:47:40.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-237/03:25:32.0
8462	M1O	04-237/03:47:41.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-237/03:25:33.0
8463	M1O	04-237/03:51:06.3		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-237/03:28:58.0
8464	M1O	04-237/03:51:06.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-237/03:28:58.1
8465	M1O	04-237/03:51:07.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-237/03:28:59.1
8466	M1O	04-237/03:51:08.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-237/03:29:00.1
8467	M1O	04-237/03:51:09.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-237/03:29:01.1
8468	M1O	04-237/03:51:10.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-237/03:29:02.1
8469	M1O	04-237/03:51:20.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-237/03:29:12.1
8470	M1O	04-237/03:51:30.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-237/03:29:22.1
8471	M1O	04-237/03:51:41.3		NOTE: EXIT HGA PARK		
8472	M1O	04-237/03:51:41.3	34	Acquisition Of X-Band Signal		
8473	M1O	04-237/03:51:41.3	34	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8474	M1O	04-237/03:58:30.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-237/03:36:22.1
8475	M1O	04-237/03:58:31.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-237/03:36:23.1
8476	M1O	04-237/03:58:31.4	34	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8477	M1O	04-237/03:58:32.4		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-237/03:36:24.1
8478	M1O	04-237/04:11:40.6		NOTE: Ascending Node Crossing 11948		04-237/03:49:32.3
8479	M1O	04-237/04:41:10.3		NOTE: Apoapsis 11948 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8501	M1O	04-237/05:30:00.0	55	Config: TXL		
8502	M1O	04-237/05:30:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
8503	M1O	04-237/05:30:00.0	55	Config: CMD		
8504	M1O	04-237/05:30:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
8505	M1O	04-237/05:40:45.3		NOTE: Periapsis 11949 ----------		04-237/05:18:36.9
8506	M1O	04-237/05:40:55.2		NOTE: South Pole Crossing 11949		04-237/05:18:46.8
8507	M1O	04-237/06:10:12.7		NOTE: Ascending Node Crossing 11949		04-237/05:48:04.3
8508	M1O	04-237/06:39:52.5		NOTE: Apoapsis 11949 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]		
8543	M1O	04-237/07:23:54.6		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-237/07:01:46.2
8544	M1O	04-237/07:24:14.6		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-237/07:02:06.2
8545	M1O	04-237/07:24:24.6		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-237/07:02:16.2
8546	M1O	04-237/07:24:44.6		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-237/07:02:36.2
8547	M1O	04-237/07:24:54.6		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-237/07:02:46.2
8548	M1O	04-237/07:24:59.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-237/07:02:51.2
8549	M1O	04-237/07:25:00.0	34	End Post-Cal		
8550	M1O	04-237/07:25:04.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-237/07:02:56.2
8551	M1O	04-237/07:25:09.6		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-237/07:03:01.2
8552	M1O	04-237/07:25:14.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-237/07:03:06.2
8553	M1O	04-237/07:25:19.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-237/07:03:11.2
8554	M1O	04-237/07:25:59.6		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-237/07:03:51.2
8555	M1O	04-237/07:26:04.6		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-237/07:03:56.2
8556	M1O	04-237/07:26:09.6		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-237/07:04:01.2
8557	M1O	04-237/07:26:14.6		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-237/07:04:06.2
8558	M1O	04-237/07:26:19.6		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-237/07:04:11.2
8559	M1O	04-237/07:26:20.6		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-237/07:04:12.2
8560	M1O	04-237/07:26:21.6		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-237/07:04:13.2
8561	M1O	04-237/07:26:22.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-237/07:04:14.2
8562	M1O	04-237/07:26:33.6		NOTE: End Block fsw_diag.mod		04-237/07:04:25.2
8563	M1O	04-237/07:39:08.6		NOTE: Periapsis 11950		04-237/07:17:00.2

8564	M1O	04-237/07:39:25.1		NOTE: South Pole Crossing 11950		04-237/07:17:16.6
8565	M1O	04-237/07:58:14.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-237/07:36:06.3
8566	M1O	04-237/07:58:16.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-237/07:36:08.4
8567	M1O	04-237/07:58:16.8	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8568	M1O	04-237/07:58:16.8	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8569	M1O	04-237/07:58:17.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-237/07:36:09.4
8570	M1O	04-237/07:59:16.8	63	Acquire D/L: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8571	M1O	04-237/07:59:16.8	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8572	M1O	04-237/08:04:16.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-237/07:42:08.4
8573	M1O	04-237/08:04:16.8	63	D/L Change: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8574	M1O	04-237/08:04:16.8	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8575	M1O	04-237/08:04:17.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-237/07:42:09.4
8576	M1O	04-237/08:08:42.1		NOTE: Ascending Node Crossing 11950		04-237/07:46:33.7
8577	M1O	04-237/08:38:12.1		NOTE: Apoapsis 11950 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8585	M1O	04-237/11:07:13.6		NOTE: Descending Node Crossing 11952		04-237/10:45:05.1
8586	M1O	04-237/11:36:02.2		NOTE: Periapsis 11952		04-237/11:13:53.7

8587	M1O	04-237/11:36:31.2		NOTE: South Pole Crossing 11952		04-237/11:14:22.8
8588	M1O	04-237/12:05:50.1		NOTE: Ascending Node Crossing 11952		04-237/11:43:41.6
8589	M1O	04-237/12:35:20.3		NOTE: Apoapsis 11952 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8627	M1O	04-237/17:35:00.0	25	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
8628	M1O	04-237/17:35:00.0	25	Config: TGC: BAND=X, SR=238896.000000		
8629	M1O	04-237/17:35:00.0	25	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8630	M1O	04-237/18:01:33.2		NOTE: Ascending Node Crossing 11955		04-237/17:39:24.7
8631	M1O	04-237/18:05:00.0	25	Begin Tracking		
8632	M1O	04-237/18:05:00.0	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8633	M1O	04-237/18:23:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-237/18:01:49.4
8634	M1O	04-237/18:24:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-237/18:01:51.5
8635	M1O	04-237/18:24:00.1	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8636	M1O	04-237/18:24:00.1	63	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8637	M1O	04-237/18:24:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-237/18:01:52.5
8638	M1O	04-237/18:24:56.0	63	NOTE: Below Uplink Interlock Limit		
8639	M1O	04-237/18:25:00.0	63	End Tracking		
8640	M1O	04-237/18:25:00.0		NOTE: Changing to 34M (BWG) downlink rate: 14220_BPS		04-237/18:02:51.4
8641	M1O	04-237/18:25:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-237/18:02:51.4
8642	M1O	04-237/18:25:00.0	25	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8643	M1O	04-237/18:30:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-237/18:07:51.5
8644	M1O	04-237/18:30:00.1	25	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8645	M1O	04-237/18:30:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-237/18:07:52.5
8646	M1O	04-237/18:31:17.2		NOTE: Apoapsis 11955 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8673	M1O	04-237/21:13:17.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-237/20:51:08.6
8674	M1O	04-237/21:13:17.2	25	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8675	M1O	04-237/21:13:18.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-237/20:51:09.6
8676	M1O	04-237/21:14:17.2	25	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8677	M1O	04-237/21:19:17.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-237/20:57:08.6
8678	M1O	04-237/21:19:17.2	25	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8679	M1O	04-237/21:19:18.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-237/20:57:09.6
8680	M1O	04-237/21:25:42.7	25	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
8681	M1O	04-237/21:28:54.0		NOTE: Periapsis 11957 ----------		04-237/21:06:45.3
8682	M1O	04-237/21:29:17.7		NOTE: South Pole Crossing 11957		04-237/21:07:09.1
8683	M1O	04-237/21:48:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-237/21:26:49.4
8684	M1O	04-237/21:49:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-237/21:26:51.5
8685	M1O	04-237/21:49:00.1	25	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8686	M1O	04-237/21:49:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-237/21:26:52.5
8687	M1O	04-237/21:50:00.0	43	Begin Tracking		
8688	M1O	04-237/21:50:00.0	43	Acquire D/L: X/08, 3-Way/25, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8689	M1O	04-237/21:50:00.0	25	Range Modulation Off		
8690	M1O	04-237/21:50:00.0		NOTE: Changing to 70M downlink rate: 39816_BPS		04-237/21:27:51.4
8691	M1O	04-237/21:50:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-237/21:27:51.4
8692	M1O	04-237/21:50:00.0	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8693	M1O	04-237/21:50:00.0	43	D/L Change: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8694	M1O	04-237/21:52:27.0	43	NOTE: Above Uplink Interlock Limit		
8695	M1O	04-237/21:55:00.0	43	U/L Transfer From DSS-25 to DSS-43: PWR=20.0, BR=125.0		
8696	M1O	04-237/21:55:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-237/21:32:51.5
8697	M1O	04-237/21:55:00.1	25	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8698	M1O	04-237/21:55:00.1	43	D/L Change: X/08, 3-Way/25, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8699	M1O	04-237/21:55:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-237/21:32:52.5
8700	M1O	04-237/21:58:35.8		NOTE: Ascending Node Crossing 11957		04-237/21:36:27.2
8701	M1O	04-237/22:00:00.0	43	Range Modulation On: SUP=3.0dB		
8702	M1O	04-237/22:01:00.0	43	Begin Ranging Acquisition		
8703	M1O	04-237/22:10:00.0	25	End Tracking		
8704	M1O	04-237/22:10:00.0	25	End Post-Cal		
8705	M1O	04-237/22:28:22.4		NOTE: Apoapsis 11957 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8712	M1O	04-238/00:00:00.0		Light Time: OWLT = 22:08, RTLT = 44:17		
8713	M1O	04-238/00:26:57.9		NOTE: Apoapsis 11958 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8750	M1O	04-238/02:37:38.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-238/02:15:29.8
8751	M1O	04-238/02:37:39.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-238/02:15:30.8
8752	M1O	04-238/02:37:42.8		CALL, Engine = , Parameters = FALSE	park_hga	04-238/02:15:34.1
8753	M1O	04-238/02:37:42.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-238/02:15:34.1
8754	M1O	04-238/02:37:43.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-238/02:15:35.1
8755	M1O	04-238/02:37:44.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-238/02:15:36.1
8756	M1O	04-238/02:37:44.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-238/02:15:36.1
8757	M1O	04-238/02:37:44.8		NOTE: START HGA PARK		
8758	M1O	04-238/02:37:45.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-238/02:15:37.1
8759	M1O	04-238/02:37:46.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-238/02:15:38.1
8760	M1O	04-238/02:42:16.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-238/02:20:08.1
8761	M1O	04-238/02:45:46.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-238/02:23:38.1
8762	M1O	04-238/02:45:46.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-238/02:23:38.1
8763	M1O	04-238/02:55:47.2		NOTE: Descending Node Crossing 11960		04-238/02:33:38.5
8764	M1O	04-238/03:15:46.7		GV: GV_DESAT_ACTIVE = 1		04-238/02:53:38.0
8765	M1O	04-238/03:15:47.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-238/02:53:39.0
8766	M1O	04-238/03:15:47.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-238/02:53:39.0
8767	M1O	04-238/03:24:44.4		NOTE: Periapsis 11960		04-238/03:02:35.7

8768	M1O	04-238/03:25:04.4		NOTE: South Pole Crossing 11960		04-238/03:02:55.7
8769	M1O	04-238/03:25:46.7		GV: GV_DESAT_ACTIVE = 0		04-238/03:03:38.0
8770	M1O	04-238/03:25:47.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-238/03:03:39.0
8771	M1O	04-238/03:25:48.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-238/03:03:40.0
8772	M1O	04-238/03:25:49.7		CALL, Engine = , Parameters =	unpark_hga	04-238/03:03:41.0
8773	M1O	04-238/03:25:49.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-238/03:03:41.0
8774	M1O	04-238/03:25:50.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-238/03:03:42.0
8775	M1O	04-238/03:30:20.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-238/03:08:12.0
8776	M1O	04-238/03:30:21.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-238/03:08:13.0
8777	M1O	04-238/03:33:46.7		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-238/03:11:38.0
8778	M1O	04-238/03:33:46.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-238/03:11:38.1
8779	M1O	04-238/03:33:47.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-238/03:11:39.1
8780	M1O	04-238/03:33:48.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-238/03:11:40.1
8781	M1O	04-238/03:33:49.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-238/03:11:41.1
8782	M1O	04-238/03:33:50.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-238/03:11:42.1
8783	M1O	04-238/03:34:00.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-238/03:11:52.1
8784	M1O	04-238/03:34:10.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-238/03:12:02.1
8785	M1O	04-238/03:34:21.7		NOTE: EXIT HGA PARK		
8786	M1O	04-238/03:34:21.7	43	Acquisition Of X-Band Signal		
8787	M1O	04-238/03:34:21.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8788	M1O	04-238/03:41:10.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-238/03:19:02.1
8789	M1O	04-238/03:41:11.8		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-238/03:19:03.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
8790	M1O	04-238/03:41:11.8	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8791	M1O	04-238/03:41:12.8		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-238/03:19:04.1
8792	M1O	04-238/03:54:22.2		NOTE: Ascending Node Crossing 11960		04-238/03:32:13.5
8793	M1O	04-238/04:23:39.7		NOTE: Apoapsis 11960 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8835	M1O	04-238/07:24:00.1	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8836	M1O	04-238/07:24:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-238/07:01:52.3
8837	M1O	04-238/07:24:24.7		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-238/07:02:16.0
8838	M1O	04-238/07:24:24.9		NOTE: Start Block fsw_diag		04-238/07:02:16.2
8839	M1O	04-238/07:24:25.9		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-238/07:02:17.2
8840	M1O	04-238/07:24:26.9		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	04-238/07:02:18.2
8841	M1O	04-238/07:24:37.9		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	04-238/07:02:29.2
8842	M1O	04-238/07:25:00.0	43	End Tracking		
8843	M1O	04-238/07:25:00.0		NOTE: Changing to 34M (BWG) downlink rate: 14220_BPS		04-238/07:02:51.2
8844	M1O	04-238/07:25:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 14220_BPS	DOWNLINK_RATE	04-238/07:02:51.2
8845	M1O	04-238/07:25:00.0	54	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8846	M1O	04-238/07:25:07.9		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-238/07:02:59.2
8847	M1O	04-238/07:25:27.9		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-238/07:03:19.2
8848	M1O	04-238/07:25:37.9		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-238/07:03:29.2
8849	M1O	04-238/07:25:57.9		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-238/07:03:49.2
8850	M1O	04-238/07:26:07.9		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-238/07:03:59.2
8851	M1O	04-238/07:26:12.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-238/07:04:04.2
8852	M1O	04-238/07:26:17.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-238/07:04:09.2
8853	M1O	04-238/07:26:22.9		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-238/07:04:14.2
8854	M1O	04-238/07:26:27.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-238/07:04:19.2
8855	M1O	04-238/07:26:32.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-238/07:04:24.2
8856	M1O	04-238/07:27:12.9		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-238/07:05:04.2
8857	M1O	04-238/07:27:17.9		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-238/07:05:09.2
8858	M1O	04-238/07:27:22.9		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-238/07:05:14.2
8859	M1O	04-238/07:27:27.9		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-238/07:05:19.2
8860	M1O	04-238/07:27:32.9		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-238/07:05:24.2
8861	M1O	04-238/07:27:33.9		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-238/07:05:25.2
8862	M1O	04-238/07:27:34.9		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-238/07:05:26.2
8863	M1O	04-238/07:27:35.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-238/07:05:27.2
8864	M1O	04-238/07:27:46.9		NOTE: End Block fsw_diag.mod		04-238/07:05:38.2
8865	M1O	04-238/07:30:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-238/07:07:51.3
8866	M1O	04-238/07:30:00.1	54	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8867	M1O	04-238/07:30:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-238/07:07:52.3
8868	M1O	04-238/07:40:00.0	43	End Post-Cal		
8869	M1O	04-238/07:51:26.4		NOTE: Ascending Node Crossing 11962		04-238/07:29:17.6
8870	M1O	04-238/07:58:15.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-238/07:36:06.7
8871	M1O	04-238/07:58:17.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-238/07:36:08.8
8872	M1O	04-238/07:58:17.6	54	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8873	M1O	04-238/07:58:18.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-238/07:36:09.8
8874	M1O	04-238/07:59:17.5	54	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8875	M1O	04-238/08:04:17.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-238/07:42:08.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8876	M1O	04-238/08:04:17.6	54	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8877	M1O	04-238/08:04:18.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-238/07:42:09.8
8878	M1O	04-238/08:20:50.3		NOTE: Apoapsis 11962 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8917	M1O	04-238/10:35:00.0	55	Config: TXL		
8918	M1O	04-238/10:35:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
8919	M1O	04-238/10:35:00.0	55	Config: CMD		
8920	M1O	04-238/10:35:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
8921	M1O	04-238/10:49:55.9		NOTE: Descending Node Crossing 11964		04-238/10:27:47.1
8922	M1O	04-238/11:04:35.0		SPAWN, Engine = 65535, Parameters = 00:07:00	cstr	04-238/10:42:26.2
8923	M1O	04-238/11:04:35.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-238/10:42:26.3
8924	M1O	04-238/11:04:36.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-238/10:42:27.3
8925	M1O	04-238/11:04:37.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-238/10:42:28.3
8926	M1O	04-238/11:04:38.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-238/10:42:29.3
8927	M1O	04-238/11:04:39.1		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-238/10:42:30.3
8928	M1O	04-238/11:04:49.1		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-238/10:42:40.3
8929	M1O	04-238/11:04:59.1		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-238/10:42:50.3
8930	M1O	04-238/11:05:00.0	55	Begin Tracking		
8931	M1O	04-238/11:05:00.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8932	M1O	04-238/11:06:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8933	M1O	04-238/11:11:00.0	55	Range Modulation On: SUP=3.0dB		
8934	M1O	04-238/11:11:59.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-238/10:49:50.3
8935	M1O	04-238/11:12:00.0	55	Begin Ranging Acquisition		
8936	M1O	04-238/11:12:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-238/10:49:51.3
8937	M1O	04-238/11:12:00.1	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8938	M1O	04-238/11:12:01.1		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-238/10:49:52.3
8939	M1O	04-238/11:18:30.5		NOTE: Periapsis 11964 ----------		04-238/10:56:21.7
8940	M1O	04-238/11:19:12.9		NOTE: South Pole Crossing 11964		04-238/10:57:04.0
8941	M1O	04-238/11:48:31.6		NOTE: Ascending Node Crossing 11964		04-238/11:26:22.8
8942	M1O	04-238/11:49:15.6		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-238/11:27:06.7
8943	M1O	04-238/11:49:17.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-238/11:27:08.8
8944	M1O	04-238/11:49:17.7	55	D/L Change: X/08, 1-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8945	M1O	04-238/11:49:18.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-238/11:27:09.8
8946	M1O	04-238/11:50:17.6	55	Acquire D/L: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8947	M1O	04-238/11:55:17.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-238/11:33:08.8
8948	M1O	04-238/11:55:17.7	55	D/L Change: X/08, 2-Way, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8949	M1O	04-238/11:55:18.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-238/11:33:09.8
8950	M1O	04-238/12:17:42.7		NOTE: Apoapsis 11964 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8958	M1O	04-238/14:35:00.0	25	Begin Pre-Cal		
8959	M1O	04-238/14:35:00.0	25	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8960	M1O	04-238/14:35:00.0	25	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8961	M1O	04-238/14:35:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8962	M1O	04-238/14:35:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8963	M1O	04-238/14:35:00.0	25	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
8964	M1O	04-238/14:35:00.0	25	Config: RCV: Parms:		
8965	M1O	04-238/14:35:00.0	25	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
8966	M1O	04-238/14:35:00.0	25	Config: TGC: BAND=X, SR=85320.000000		
8967	M1O	04-238/14:35:00.0	25	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8968	M1O	04-238/14:47:07.0		NOTE: Descending Node Crossing 11966		04-238/14:24:58.1
8969	M1O	04-238/15:16:24.3		NOTE: Periapsis 11966		04-238/14:54:15.4

8970	M1O	04-238/15:16:25.4		NOTE: South Pole Crossing 11966		04-238/14:54:16.4
8971	M1O	04-238/15:45:43.9		NOTE: Ascending Node Crossing 11966		04-238/15:23:35.0
8972	M1O	04-238/16:05:00.0	25	Begin Tracking		
8973	M1O	04-238/16:05:00.0	25	Acquire D/L: X/08, 3-Way/55, BW=3, BR=14220.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8974	M1O	04-238/16:09:59.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
8975	M1O	04-238/16:15:40.3		NOTE: Apoapsis 11966 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9001	M1O	04-238/19:42:48.6		NOTE: Ascending Node Crossing 11968		04-238/19:20:39.7
9002	M1O	04-238/20:00:00.0	43	Begin Pre-Cal		
9003	M1O	04-238/20:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
9004	M1O	04-238/20:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9005	M1O	04-238/20:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9006	M1O	04-238/20:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
9007	M1O	04-238/20:00:00.0	43	At BOT: S/C Tlm Mode: BR=14220.0, FL=10112, SC=375KHZ, MI=71.7		
9008	M1O	04-238/20:00:00.0	43	Config: RCV: Parms:		
9009	M1O	04-238/20:00:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=6, IC3=A15R6, OC1=B, OC2=S		
9010	M1O	04-238/20:00:00.0	43	Config: TGC: BAND=X, SR=85320.000000		
9011	M1O	04-238/20:00:00.0	43	Config: TXL		
9012	M1O	04-238/20:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
9013	M1O	04-238/20:00:00.0	43	Config: CMD		
9014	M1O	04-238/20:00:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
9015	M1O	04-238/20:12:15.6		NOTE: Apoapsis 11968 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
9046	M1O	04-238/22:39:18.0	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9047	M1O	04-238/22:41:16.6		NOTE: Descending Node Crossing 11970		04-238/22:19:07.5
9048	M1O	04-238/22:44:18.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-238/22:22:09.0
9049	M1O	04-238/22:44:18.0	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9050	M1O	04-238/22:44:19.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-238/22:22:10.0
9051	M1O	04-238/23:10:04.3		NOTE: Periapsis 11970		04-238/22:47:55.2

9052	M1O	04-238/23:10:33.8		NOTE: South Pole Crossing 11970		04-238/22:48:24.8
9053	M1O	04-238/23:21:49.7	43	NOTE: X-Band Transmitter Off in 15 minutes		
9054	M1O	04-238/23:31:50.0	43	Range Modulation Off		
9055	M1O	04-238/23:36:49.7	43	X-Band Transmitter Off		
9056	M1O	04-238/23:38:49.7	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9057	M1O	04-238/23:39:52.5		NOTE: Ascending Node Crossing 11970		04-238/23:17:43.5
9058	M1O	04-238/23:43:50.0	43	Range Modulation On: SUP=3.0dB		
9059	M1O	04-238/23:44:50.0	43	Begin Ranging Acquisition		
9060	M1O	04-239/00:00:00.0		Light Time: OWLT = 22:09, RTLT = 44:18		
9061	M1O	04-239/00:09:27.7		NOTE: Apoapsis 11970 - - -