

Line #	Spacecraft DATE/TIME	S/C Cmd #	HEX ID#	DEC ID #	GRS Deployed Mapping Activities Run Commands	Notes	Cumulative Seconds
1	03-322/14:36:11	cn0834	C4C	3148	c01grs_s48b_auto_ramp_up_4.bfl	Executed at Orbit 143, Pixel 257	
2		(GRS cmd id 4001)	EF01	61185	c02grs_gam_hv_ramp_up_001.sasf	65 second wait between steps	imm
3		(GRS cmd id 4002)	EF02	61186	c02grs_gam_hv_ramp_up_002.sasf	65 second wait between steps	600
4		(GRS cmd id 4003)	EF03	61187	c02grs_gam_hv_ramp_up_003.sasf	65 second wait between steps	1200
5		(GRS cmd id 4004)	EF04	61188	c02grs_gam_hv_ramp_up_004.sasf	65 second wait between steps	1800
6		(GRS cmd id 4005)	EF05	61189	c02grs_gam_hv_ramp_up_005.sasf	65 second wait between steps	2400
7		(GRS cmd id 4010)	EF06	61190	c02grs_gam_hv_ramp_up_010.sasf	65 second wait between steps	3600
8		(GRS cmd id 4159)	EF07	61191	c02grs_gam_hv_ramp_up_159.sasf	65 second wait between steps	5200
9		(GRS cmd id 1041)	EF08	61192	c01grs_activate_sequence_41a.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	15000
10		(GRS cmd id 1043)	EF09	61193	c01grs_activate_sequence_43a.sasf	Set HV monitoring back to nominal interval	15360
11		(GRS cmd id 2420)	EF0A	61194	c01grs_is_temp_a_use_seq_14b.sasf		15380
12		(GRS cmd id 2422)	EF0B	61195	c01grs_el_fast_use_seq_14b.sasf		15380
13		(GRS cmd id 1117)	EF0C	61196	c01grs_activate_sequence_17b.sasf	Set gamma to nominal gain 46 settings	15380
14		(GRS cmd id 1118)	EF0D	61197	c01grs_activate_sequence_18b.sasf	Set nominal burst settings	15840
15		(GRS cmd id 1149)	EF0E	61198	c01grs_activate_sequence_49b.sasf		16525
16							
17	03-024/16:49:37	cn0603	C4C	3148	c01grs_s48b_auto_ramp_up_3.bfl	Executed at Orbit 933, Pixel 239	
18		(GRS cmd id 4001)	EF01	61185	c02grs_gam_hv_ramp_up_001.sasf	65 second wait between steps	imm
19		(GRS cmd id 4002)	EF02	61186	c02grs_gam_hv_ramp_up_002.sasf	65 second wait between steps	600
20		(GRS cmd id 4003)	EF03	61187	c02grs_gam_hv_ramp_up_003.sasf	65 second wait between steps	1200
21		(GRS cmd id 4004)	EF04	61188	c02grs_gam_hv_ramp_up_004.sasf	65 second wait between steps	1800
22		(GRS cmd id 4005)	EF05	61189	c02grs_gam_hv_ramp_up_005.sasf	65 second wait between steps	2400
23		(GRS cmd id 4010)	EF06	61190	c02grs_gam_hv_ramp_up_010.sasf	65 second wait between steps	3600
24		(GRS cmd id 4159)	EF07	61191	c02grs_gam_hv_ramp_up_159.sasf	65 second wait between steps	5200
25		(GRS cmd id 1041)	EF08	61192	c01grs_activate_sequence_41a.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	15000
26		(GRS cmd id 1043)	EF09	61193	c01grs_activate_sequence_43a.sasf	Set HV monitoring back to nominal interval	15360
27		(GRS cmd id 2420)	EF0A	61194	c01grs_is_temp_a_use_seq_14b.sasf		15380
28		(GRS cmd id 2422)	EF0B	61195	c01grs_el_fast_use_seq_14b.sasf		15380
29		(GRS cmd id 1117)	EF0C	61196	c01grs_activate_sequence_17b.sasf	Set gamma to nominal gain 46 settings	15380
30		(GRS cmd id 1118)	EF0D	61197	c01grs_activate_sequence_18b.sasf	Set nominal burst settings	15840
31		(GRS cmd id 2763)	EF0E	61198	c01grs_is_temp_b_up_n163c.sasf	-163°C 110°K Dn=5434 (0x153A)	16525
32		(GRS cmd id 2775)	EF0F	61199	c01grs_is_temp_b_use_seq_49b.sasf	Step down the temperature setpoints for the OS heater	16525
33		(GRS cmd id 2471)	EF10	61200	c01grs_is_temp_b_comp_great.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	16545
34							
35	02-330/19:25:13	cn0554	C4C	3148	c01grs_s48b_auto_ramp_up_2.bfl	Executed at Orbit 218, Pixel 83	
36		(GRS cmd id 4001)	EF01	61185	c02grs_gam_hv_ramp_up_001.sasf	65 second wait between steps	imm
37		(GRS cmd id 4002)	EF02	61186	c02grs_gam_hv_ramp_up_002.sasf	65 second wait between steps	600
38		(GRS cmd id 4003)	EF03	61187	c02grs_gam_hv_ramp_up_003.sasf	65 second wait between steps	1200
39		(GRS cmd id 4004)	EF04	61188	c02grs_gam_hv_ramp_up_004.sasf	65 second wait between steps	1800
40		(GRS cmd id 4005)	EF05	61189	c02grs_gam_hv_ramp_up_005.sasf	65 second wait between steps	2400
41		(GRS cmd id 4010)	EF06	61190	c02grs_gam_hv_ramp_up_010.sasf	65 second wait between steps	3600
42		(GRS cmd id 4159)	EF07	61191	c02grs_gam_hv_ramp_up_159.sasf	65 second wait between steps	5200
43		(GRS cmd id 1041)	EF08	61192	c01grs_activate_sequence_41a.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	15000
44		(GRS cmd id 1043)	EF09	61193	c01grs_activate_sequence_43a.sasf	Set HV monitoring back to nominal interval	15360
45		(GRS cmd id 2420)	EF0A	61194	c01grs_is_temp_a_use_seq_14b.sasf		15380
46		(GRS cmd id 2422)	EF0B	61195	c01grs_el_fast_use_seq_14b.sasf		15380
47		(GRS cmd id 1117)	EF0C	61196	c01grs_activate_sequence_17b.sasf	Set gamma to nominal gain 46 settings	15380
48		(GRS cmd id 2763)	EF0D	61197	c01grs_is_temp_b_up_n163c.sasf	-163°C 110°K Dn=5434 (0x153A)	15840
49		(GRS cmd id 2775)	EF0E	61198	c01grs_is_temp_b_use_seq_49b.sasf	Step down the temperature setpoints for the OS heater	15840
50		(GRS cmd id 2471)	EF0F	61199	c01grs_is_temp_b_comp_great.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	15860
51							
52	02-129/18:45:04	cn0273	C4C	3148	c01grs_s48b_auto_ramp_up_1.bfl	Executed at Orbit 972, Pixel 39	
53		(GRS cmd id 4001)	EF01	61185	c02grs_gam_hv_ramp_up_001.sasf	65 second wait between steps	imm
54		(GRS cmd id 4002)	EF02	61186	c02grs_gam_hv_ramp_up_002.sasf	65 second wait between steps	600
55		(GRS cmd id 4003)	EF03	61187	c02grs_gam_hv_ramp_up_003.sasf	65 second wait between steps	1200
56		(GRS cmd id 4004)	EF04	61188	c02grs_gam_hv_ramp_up_004.sasf	65 second wait between steps	1800

Line #	Spacecraft DATE/TIME	S/C Cmd #	HEX ID#	DEC ID #	GRS Deployed Mapping Activities Run Commands	Notes	Cumulative Seconds
57		(GRS cmd id 4005)	EF05	61189	c02grs_gam_hv_ramp_up_005.sasf	65 second wait between steps	2400
58		(GRS cmd id 4010)	EF06	61190	c02grs_gam_hv_ramp_up_010.sasf	65 second wait between steps	3600
59		(GRS cmd id 4159)	EF07	61191	c02grs_gam_hv_ramp_up_159.sasf	65 second wait between steps	5200
60		(GRS cmd id 1041)	EF08	61192	c01grs_activate_sequence_41a.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	15000
61		(GRS cmd id 1043)	EF09	61193	c01grs_activate_sequence_43a.sasf	Set HV monitoring back to nominal interval	15360
62		(GRS cmd id 2420)	EF0A	61194	c01grs_is_temp_a_use_seq_14b.sasf		15380
63		(GRS cmd id 2422)	EF0B	61195	c01grs_el_fast_use_seq_14b.sasf		15380
64		(GRS cmd id 1117)	EF0C	61196	c01grs_activate_sequence_17b.sasf	Set gamma to nominal gain 46 settings	15380
65							
66	01-193/19:33:20	cn0017	C4C	3148	c01grs_seq_48_b_os_sec_a_off_bfj	Load sequence to EEPROM	
67					Load sequence 48b to EEPROM:		
68		(GRS cmd id tbd)	EF01	61185	c01grs_os_temp_a_comp_great.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	imm
69		(GRS cmd id tbd)	EF02	61186	c01grs_os_temp_a_use_seq_49b.sasf	Activates sequence to compare less than.	imm
70		(GRS cmd id tbd)	EF03	61187	c01grs_ann_pwr_o_os_sec_off.sasf	Turns outer stage secondary heater off.	imm