

Line #	Spacecraft DATE/TIME	S/C Cmd #	HEX ID#	DEC ID #	GRS Deployed Mapping Activities Run Commands	Notes	Cumulative Seconds
1	02-129/19:03:06	cn0280	C4B	3147	c01grs_s47b_auto_ramp_set_1.bfl	Executed at Orbit 972, Pixel 94	imm
2		(GRS cmd id 2050)	EE01	60929	c01grs_is_temp_a_dont_comp.sasf	Terminate the comparison	imm
3		(GRS cmd id 2067)	EE02	60930	c01grs_is_temp_a_low_n130c.sasf	-130°C 143°K Dn=4173 (0x104D)	imm
4		(GRS cmd id 2419)	EE03	60931	c01grs_is_temp_a_use_seq_13b.sasf	Set to sequence that will abort, set HV immediately to zero, and disable	imm
5		(GRS cmd id 2097)	EE04	60932	c01grs_el_fast_oor_a_ct_6.sasf		imm
6		(GRS cmd id 2099)	EE05	60933	c01grs_el_fast_upper_1f5c.sasf	[Dn=8028] [(0x1F5C)]	imm
7		(GRS cmd id 2421)	EE06	60934	c01grs_el_fast_use_seq_13b.sasf	Set to sequence that will abort, set HV immediately to zero, and disable	imm
8		(GRS cmd id 2019)	EE07	60935	c01grs_gam_enable_t_n129c.sasf	-129°C 144°K Dn=4134 (0x1026)	imm
9		(GRS cmd id 2051)	EE08	60936	c01grs_is_temp_a_comp_less.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	20
10		(GRS cmd id 2062)	EE09	60937	c01grs_el_fast_comp_greater.sasf		40
11		(GRS cmd id 1042)	EE0A	60938	c01grs_activate_sequence_42a.sasf	Set HV monitoring to 5 second interval using timer 2	60
12		(GRS cmd id 1116)	EE0B	60939	c01grs_activate_sequence_16b.sasf	Set gamma to nominal gain 0 settings	80
13		(GRS cmd id 1041)	EE0C	60940	c01grs_activate_sequence_41a.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	140
14		(GRS cmd id 2014)	EE0D	60941	c01grs_gam_hv_enable.sasf		500
15		(GRS cmd id 1148)	EE0E	60942	c01grs_activate_sequence_48b.sasf		520
16							
17	02-074/19:49:02	cn0158	C4B	3147	c01grs_s47b_auto_ramp_up_2.bfl	Executed at Orbit 304, Pixel 190	0
18		(GRS cmd id 4001)	EE01	60929	c02grs_gam_hv_ramp_up_001.sasf	65 second wait between steps	imm
19		(GRS cmd id 4002)	EE02	60930	c02grs_gam_hv_ramp_up_002.sasf	65 second wait between steps	600
20		(GRS cmd id 4003)	EE03	60931	c02grs_gam_hv_ramp_up_003.sasf	65 second wait between steps	1200
21		(GRS cmd id 4004)	EE04	60932	c02grs_gam_hv_ramp_up_004.sasf	65 second wait between steps	1800
22		(GRS cmd id 4005)	EE05	60933	c02grs_gam_hv_ramp_up_005.sasf	65 second wait between steps	2400
23		(GRS cmd id 4010)	EE06	60934	c02grs_gam_hv_ramp_up_010.sasf	65 second wait between steps	3600
24		(GRS cmd id 4159)	EE07	60935	c02grs_gam_hv_ramp_up_159.sasf	65 second wait between steps	5200
25		(GRS cmd id 1128)	EE08	60936	c01grs_activate_sequence_28b.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	15000
26		(GRS cmd id 1043)	EE09	60937	c01grs_activate_sequence_43a.sasf	Set HV monitoring back to nominal interval	15360
27		(GRS cmd id 1457)	EE0A	60938	c01grs_ceb_timer2_020_sec.sasf		15380
28		(GRS cmd id 2420)	EE0B	60939	c01grs_is_temp_a_use_seq_14b.sasf		15380
29		(GRS cmd id 2422)	EE0C	60940	c01grs_el_fast_use_seq_14b.sasf		15380
30		(GRS cmd id 1123)	EE0D	60941	c01grs_activate_sequence_23b.sasf	Set gamma to nominal gain 46 settings	15380
31							
32	02-043/03:33:06	cn0122	C4B	3147	c01grs_s47b_auto_ramp_up_1.bfl	Executed at Orbit 4, Pixel 8009	imm
33		(GRS cmd id 4001)	EE01	60929	c02grs_gam_hv_ramp_up_001.sasf	65 second wait between steps	imm
34		(GRS cmd id 4002)	EE02	60930	c02grs_gam_hv_ramp_up_002.sasf	65 second wait between steps	600
35		(GRS cmd id 4003)	EE03	60931	c02grs_gam_hv_ramp_up_003.sasf	65 second wait between steps	1200
36		(GRS cmd id 4004)	EE04	60932	c02grs_gam_hv_ramp_up_004.sasf	65 second wait between steps	1800
37		(GRS cmd id 4005)	EE05	60933	c02grs_gam_hv_ramp_up_005.sasf	65 second wait between steps	2400
38		(GRS cmd id 4010)	EE06	60934	c02grs_gam_hv_ramp_up_010.sasf	65 second wait between steps	3600
39		(GRS cmd id 4159)	EE07	60935	c02grs_gam_hv_ramp_up_159.sasf	65 second wait between steps	5200
40		(GRS cmd id 1128)	EE08	60936	c01grs_activate_sequence_28b.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	15000
41		(GRS cmd id 1043)	EE09	60937	c01grs_activate_sequence_43a.sasf	Set HV monitoring back to nominal interval	15300
42		(GRS cmd id 1457)	EE0A	60938	c01grs_ceb_timer2_020_sec.sasf		15320
43		(GRS cmd id 2420)	EE0B	60939	c01grs_is_temp_a_use_seq_14b.sasf		15320
44		(GRS cmd id 2422)	EE0C	60940	c01grs_el_fast_use_seq_14b.sasf		15320
45		(GRS cmd id 1123)	EE0D	60941	c01grs_activate_sequence_23b.sasf	Set gamma to nominal gain 46 settings	15320
46		(GRS cmd id 2099)	EE0E	60942	c01grs_el_fast_upper_1f5c.sasf	(8028 dec)	15320