

Line #	Spacecraft DATE/TIME	S/C Cmd #	HEX ID #	DEC ID #	GRS Deployed Mapping Activities Run Commands	Notes	Cumulative Seconds
1	03-322/14:12:43	cn0824	C28	3112	c01grs_s12b_gam_init_gpa_c_6.bfl	Executed at Orbit 143, Pixel 185	
2		(GRS cmd id 1011)	CB01	51969	c01grs_activate_sequence_11a.sasf	GRS start collecting first half of the analog housekeeping	imm
3		(GRS cmd id 1012)	CB02	51970	c01grs_activate_sequence_12a.sasf	GRS start collecting second half of the analog housekeeping	20
4		(GRS cmd id 2001)	CB03	51971	c01grs_gam_inst_power_on.sasf	(GRS Instr. 2)	40
5		(GRS cmd id 2003)	CB04	51972	c01grs_gam_inst_collect_on.sasf		60
6		(GRS cmd id 1116)	CB05	51973	c01grs_activate_sequence_16b.sasf	Set gain to 0	80
7		(GRS cmd id 2988)	CB06	51974	c01grs_gpa_temp_low_n_22_28.c.sasf	-22.28°C 250.72°K [Dn=5869] [(0x16ED)]	100
8		(GRS cmd id 2989)	CB07	51975	c01grs_gpa_temp_up_n_22_30.c.sasf	-22.3°C 250.7°K [Dn=5870] [(0x16EE)]	100
9		(GRS cmd id 2797)	CB08	51976	c01grs_gpa_temp_oor_a_ct_0.sasf	Requires no consecutive out-of-range values	100
10		(GRS cmd id 2798)	CB09	51977	c01grs_gpa_temp_timer2.sasf	Switch to timer 2 (20-second intervals)	100
11		(GRS cmd id 1019)	CB0A	51978	c01grs_activate_sequence_19a.sasf	Start GPA heater control using GPA2 heater (turns heater off)	120
12							
13	02-252/14:22:47	cn0460	C28	3112	c01grs_s12b_gam_init_gpa_c_5.bfl	Executed at Orbit xxxx , Pixel xxx	
14		(GRS cmd id 1011)	CB01	51969	c01grs_activate_sequence_11a.sasf	GRS start collecting first half of the analog housekeeping	imm
15		(GRS cmd id 1012)	CB02	51970	c01grs_activate_sequence_12a.sasf	GRS start collecting second half of the analog housekeeping	20
16		(GRS cmd id 2001)	CB03	51971	c01grs_gam_inst_power_on.sasf	(GRS Instr. 2)	40
17		(GRS cmd id 2003)	CB04	51972	c01grs_gam_inst_collect_on.sasf		60
18		(GRS cmd id 1116)	CB05	51973	c01grs_activate_sequence_16b.sasf	Set gain to 0 seq_22_b_gamma_1_nominal	80
19		(GRS cmd id 2742)	CB06	51974	c01grs_gpa3_temp_low_n29_77c.sasf	-29.77°C 243.23°K [Dn=6356] [(0x18D4)]	100
20		(GRS cmd id 2454)	CB07	51975	c01grs_gpa3_temp_up_n29_8c.sasf	-29.8°C 243.2°K [Dn=6357] [(0x18D5)]	100
21		(GRS cmd id 2797)	CB08	51976	c01grs_gpa_temp_oor_a_ct_0.sasf	Requires no consecutive out-of-range values	100
22		(GRS cmd id 2798)	CB09	51977	c01grs_gpa_temp_timer2.sasf	Switch to timer 2 (20-second intervals)	100
23		(GRS cmd id 1019)	CB0A	51978	c01grs_activate_sequence_19a.sasf	Start GPA heater control using GPA2 heater (turns heater off)	120
24							
25	02-193/16:16:03	cn0410	C28	3112	c01grs_s12b_gam_init_gpa_c_4.bfl	Executed at Orbit 1722, Pixel 123	
26		(GRS cmd id 1011)	CB01	51969	c01grs_activate_sequence_11a.sasf	GRS start collecting first half of the analog housekeeping	imm
27		(GRS cmd id 1012)	CB02	51970	c01grs_activate_sequence_12a.sasf	GRS start collecting second half of the analog housekeeping	20
28		(GRS cmd id 2001)	CB03	51971	c01grs_gam_inst_power_on.sasf	(GRS Instr. 2)	40
29		(GRS cmd id 2003)	CB04	51972	c01grs_gam_inst_collect_on.sasf		60
30		(GRS cmd id 1116)	CB05	51973	c01grs_activate_sequence_16b.sasf	Set gain to 0 seq_22_b_gamma_1_nominal	80
31		(GRS cmd id 2742)	CB06	51974	c01grs_gpa3_temp_low_n29_77c.sasf	-29.77°C 243.23°K [Dn=6356] [(0x18D4)]	100
32		(GRS cmd id 2454)	CB07	51975	c01grs_gpa3_temp_up_n29_8c.sasf	-29.8°C 243.2°K [Dn=6357] [(0x18D5)]	100
33		(GRS cmd id 2797)	CB08	51976	c01grs_gpa_temp_oor_a_ct_0.sasf	Requires no consecutive out-of-range values	100
34		(GRS cmd id 2796)	CB09	51977	c01grs_gpa_temp_timer1.sasf	Switch to timer 1 (5-second intervals)	100
35		(GRS cmd id 1019)	CB0A	51978	c01grs_activate_sequence_19a.sasf	Start GPA heater control using GPA2 heater (turns heater off)	120
36							
37	02-123/16:09:02	cn0259	C28	3112	c01grs_s12b_gam_init_gpa_c_3.bfl	Executed at Orbit xxxx , Pixel xxx	
38		(GRS cmd id 1011)	CB01	51969	c01grs_activate_sequence_11a.sasf	GRS start collecting first half of the analog housekeeping	imm
39		(GRS cmd id 1012)	CB02	51970	c01grs_activate_sequence_12a.sasf	GRS start collecting second half of the analog housekeeping	20
40		(GRS cmd id 2001)	CB03	51971	c01grs_gam_inst_power_on.sasf	(GRS Instr. 2)	40
41		(GRS cmd id 2003)	CB04	51972	c01grs_gam_inst_collect_on.sasf		60
42		(GRS cmd id 1116)	CB05	51973	c01grs_activate_sequence_16b.sasf	Set gain to 0 seq_22_b_gamma_1_nominal	80
43		(GRS cmd id 2451)	CB06	51974	c01grs_gpa3_temp_low_n25c.sasf	-29.6°C 243.4°K [Dn=6347] [(0x18CB)]	100
44		(GRS cmd id 2454)	CB07	51975	c01grs_gpa3_temp_up_n29_8c.sasf	-29.8°C 243.2°K [Dn=6357] [(0x18D5)]	100
45		(GRS cmd id 2458)	CB08	51976	c01grs_gpa3_temp_oor_a_ct_2.sasf	Requires two consecutive out-of-range values	100
46		(GRS cmd id 2459)	CB09	51977	c01grs_gpa3_temp_timer6.sasf	Switch to timer 6 (gamma pixel intervals)	100
47		(GRS cmd id 1019)	CB0A	51978	c01grs_activate_sequence_19a.sasf	GPA temperature control	120
48							
49	02-064/19:21:12	cn0140	C28	3112	c01grs_s12b_gam_init_gpa_c_2.bfl	Executed at Orbit 182, Pixel 289	
50		(GRS cmd id 1011)	CB01	51969	c01grs_activate_sequence_11a.sasf	GRS start collecting first half of the analog housekeeping	imm
51		(GRS cmd id 1012)	CB02	51970	c01grs_activate_sequence_12a.sasf	GRS start collecting second half of the analog housekeeping	20
52		(GRS cmd id 2001)	CB03	51971	c01grs_gam_inst_power_on.sasf	(GRS Instr. 2)	40
53		(GRS cmd id 2003)	CB04	51972	c01grs_gam_inst_collect_on.sasf		60
54		(GRS cmd id 1122)	CB05	51973	c01grs_activate_sequence_22b.sasf	Set gain to 0 seq_22_b_gamma_1_nominal	80

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55		(GRS cmd id 2451)	CB06	51974	c01grs_gpa3_temp_low_n25c.sasf	Dn=6347 (0x18CB) Actual Temperature: -29.6 °C	100
56		(GRS cmd id 2454)	CB07	51975	c01grs_gpa3_temp_up_n29_8c.sasf	Dn=6357 (0x18D5) Actual Temperature: -29.8 °C	100
57		(GRS cmd id 2458)	CB08	51976	c01grs_gpa3_temp_oor_a_ct_2.sasf	Requires two consecutive out-of-range values	100
58		(GRS cmd id 2459)	CB09	51977	c01grs_gpa3_temp_timer6.sasf	Switch to timer 6 (gamma pixel intervals)	100
59		(GRS cmd id 1117)	CB0A	51978	c01grs_activate_sequence_17b.sasf	GPA temperature control	120
60							
61	02-030/14:47:06	cn0110	C28	3112	c01grs_s12b_gam_init_gpa_c_1.bfl	Executed at Orbit 2, Pixel 11615	
62		(GRS cmd id tbd)	CB01	51969	c01grs_activate_sequence_11a.sasf	GRS start collecting first half of the analog housekeeping	imm
63		(GRS cmd id tbd)	CB02	51970	c01grs_activate_sequence_12a.sasf	GRS start collecting second half of the analog housekeeping	20
64		(GRS cmd id tbd)	CB03	51971	c01grs_gam_inst_power_on.sasf		40
65		(GRS cmd id tbd)	CB04	51972	c01grs_gam_inst_collect_on.sasf		60
66		(GRS cmd id tbd)	CB05	51973	c01grs_activate_sequence_22b.sasf	Set gain to 0 seq_22_b_gamma_1_nominal	80
67		(GRS cmd id tbd)	CB06	51974	c01grs_gpa3_temp_low_n25c.sasf	Dn=6347 -25 °C	100
68		(GRS cmd id tbd)	CB07	51975	c01grs_gpa3_temp_up_n30c.sasf	Dn=6499 -30 °C	100
69		(GRS cmd id tbd)	CB08	51976	c01grs_gpa3_temp_oor_a_ct_2.sasf	Requires two consecutive out-of-range values	100
70		(GRS cmd id tbd)	CB09	51977	c01grs_gpa3_temp_timer6.sasf	Switch to timer 6 (gamma pixel intervals)	100
71		(GRS cmd id tbd)	CB0A	51978	c01grs_activate_sequence_17b.sasf	GPA temperature control	120