

Line #	Spacecraft DATE/TIME	S/C Cmd #	HEX ID#	DEC ID #	GRS Deployed Mapping Activities Run Commands	Notes	Cumulative Seconds
1	03-322/14:19:45	cn0827	C39	3129	c01grs_s29b_open_cool7_1.bfl	Executed at Orbit 143, Pixel 207	
2		(GRS cmd id 2469)	DC01	56321	c01grs_is_temp_b_dont_comp.sasf	Terminate the comparison	imm
3		(GRS cmd id 2749)	DC02	56322	c01grs_os_temp_a_low_n98_28c.sasf	-98.28°C 174.72°K Dn=2913 (0xB61)	imm
4		(GRS cmd id 2500)	DC03	56323	c01grs_os_temp_a_up_n98_3c.sasf	-98.3°C 174.7°K Dn=2914 (0xB62)	imm
5		(GRS cmd id 2065)	DC04	56324	c01grs_is_temp_a_oor_a_ct_3.sasf	Requires three consecutive out-of-range values.	imm
6		(GRS cmd id 2762)	DC05	56325	c01grs_is_temp_a_up_n173c.sasf	-173°C 100°K Dn=5807 (0x16AF)	imm
7		(GRS cmd id 2760)	DC06	56326	c01grs_is_temp_a_use_seq_47b.sasf	Execute the autonomous gamma HV ramp sequence	imm
8		(GRS cmd id 2052)	DC07	56327	c01grs_is_temp_a_comp_great.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	360
9		(GRS cmd id 1041)	DC08	56328	c01grs_activate_sequence_41a.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	380
10							
11	02-197/17:13:28	cn0414			c01grs_delete_sequences_1.bcf		
12	Orbit 1771, Pixel 157	7/16 11:00	C6B	3179	c01grs_delete_s29b_1.sasf		
13							
14	02-144/17:02:44	cn0342	C39	3129	c01grs_s29b_boom_deploy_3.bfl	Executed at Orbit xxxx , Pixel xxx	
15		(GRS cmd id 2027)	DC01	56321	c01grs_os_temp_b_dont_comp.sasf	Stops comparison	0 orb/0 pix
16		(GRS cmd id 2469)	DC02	56322	c01grs_is_temp_b_dont_comp.sasf	Stops comparison	0 orb/0 pix
17		(GRS cmd id 2082)	DC03	56323	c01grs_mr_temp_a_dont_comp.sasf	Stops comparison	0 orb/0 pix
18		(GRS cmd id 1325)	DC04	56324	c01grs_op_heater_off.sasf		0 orb/1 pix
19		(GRS cmd id tbd)	DC05	56325	c01grs_mr_temp_b_low_p40_0c.sasf	40°C 313°K Dn=13467 (0x349B)	0 orb/1 pix
20		(GRS cmd id tbd)	DC06	56326	c01grs_mr_temp_b_up_p39_0c.sasf	39°C 312°K Dn=13510 (0x34C6)	0 orb/1 pix
21		(GRS cmd id tbd)	DC07	56327	c01grs_os_temp_a_low_p25_0c.sasf	25°C 298°K Dn=14101 (0x3715)	0 orb/1 pix
22		(GRS cmd id tbd)	DC08	56328	c01grs_os_temp_a_up_p24_8c.sasf	24.8°C 297.8°K Dn=14110 (0x371E)	0 orb/1 pix
23		(GRS cmd id tbd)	DC09	56329	c01grs_os_temp_b_up_p40_0c.sasf	40°C 313°K Dn=13375 (0x343F)	0 orb/1 pix
24		(GRS cmd id 2841)	DC0A	56330	c01grs_os_temp_b_use_seq_30b.sasf	To lower the MR set point based on the OS temperature	0 orb/1 pix
25		(GRS cmd id 2029)	DC0B	56331	c01grs_os_temp_b_comp_great.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	0 orb/2 pix
26							
27	02-135/20:29:04	cn0322	C39	3129	c01grs_s29b_boom_deploy_2.bfl	Executed at Orbit xxxx , Pixel xxx	
28		(GRS cmd id 2082)	DC01	56321	c01grs_mr_temp_a_dont_comp.sasf	Stops comparison	0 orb/0 pix
29					Time delay before continuing (6 hours)		3 orb/14 pix
30		(GRS cmd id 1309)	DC02	56322	c01grs_ann_pwr_o_mr_sec_off.sasf		3 orb/14 pix
31		(GRS cmd id 2893)	DC03	56323	c01grs_mr_temp_b_low_p35c.sasf	35°C 308°K Dn=13684 (0x3574)	3 orb/14 pix
32		(GRS cmd id 2894)	DC04	56324	c01grs_mr_temp_b_up_p34c.sasf	34°C 307°K Dn=13727 (0x359F)	3 orb/14 pix
33		(GRS cmd id 2895)	DC05	56325	c01grs_os_temp_a_low_p23_0c.sasf	23°C 296°K Dn=14188 (0x376C)	3 orb/14 pix
34		(GRS cmd id 2896)	DC06	56326	c01grs_os_temp_a_up_p22_8c.sasf	22.8°C 295.8°K Dn=14197 (0x3775)	3 orb/14 pix
35		(GRS cmd id 2897)	DC07	56327	c01grs_os_temp_b_up_p35c.sasf	35°C 308°K Dn=13595 (0x351B)	3 orb/14 pix
36		(GRS cmd id 2841)	DC08	56328	c01grs_os_temp_b_use_seq_30b.sasf	To lower the MR set point based on the OS temperature	3 orb/14 pix
37		(GRS cmd id 2029)	DC09	56329	c01grs_os_temp_b_comp_great.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	3 orb/15 pix
38							
39	02-129/18:51:30	cn0275	C39	3129	c01grs_s29b_boom_deploy_1.bfl	Executed at Orbit 972, Pixel 59	
40		(GRS cmd id 2082)	DC01	56321	c01grs_mr_temp_a_dont_comp.sasf	Stops comparison	0 orb/0 pix
41					Time delay before continuing (12 hours)		6 orb/27 pix
42		(GRS cmd id 1309)	DC02	56322	c01grs_ann_pwr_o_mr_sec_off.sasf		6 orb/27 pix
43		(GRS cmd id 2893)	DC03	56323	c01grs_mr_temp_b_low_p35c.sasf	35°C 308°K Dn=13684 (0x3574)	6 orb/27 pix
44		(GRS cmd id 2894)	DC04	56324	c01grs_mr_temp_b_up_p34c.sasf	34°C 307°K Dn=13727 (0x359F)	6 orb/27 pix
45		(GRS cmd id 2895)	DC05	56325	c01grs_os_temp_a_low_p23_0c.sasf	23°C 296°K Dn=14188 (0x376C)	6 orb/27 pix
46		(GRS cmd id 2896)	DC06	56326	c01grs_os_temp_a_up_p22_8c.sasf	22.8°C 295.8°K Dn=14197 (0x3775)	6 orb/27 pix
47		(GRS cmd id 2897)	DC07	56327	c01grs_os_temp_b_up_p35c.sasf	35°C 308°K Dn=13595 (0x351B)	6 orb/27 pix
48		(GRS cmd id 2841)	DC08	56328	c01grs_os_temp_b_use_seq_30b.sasf	To lower the MR set point based on the OS temperature	6 orb/27 pix
49		(GRS cmd id 2029)	DC09	56329	c01grs_os_temp_b_comp_great.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	6 orb/28 pix
50							
51	02-040/08:50:58	cn0113	C39	3129	c01grs_s29b_lanl_nominal_3.bfl	Executed at Orbit 3, Pixel 25502	
52		(GRS cmd id tbd)	DC01	56321	c01grs_activate_sequence_15a.sasf	Enable LANL analog data collection	imm
53		(GRS cmd id tbd)	DC02	56322	c01grs_send_lanl_regs_on.sasf		0 orb/1 pix
54		(GRS cmd id tbd)	DC03	56323	c01grs_lanl_instr_power_on.sasf		0 orb/1 pix
55		(GRS cmd id tbd)	DC04	56324	c01grs_lanl_instr_coll_on.sasf		0 orb/1 pix

Line #	Spacecraft DATE/TIME	S/C Cmd #	HEX ID#	DEC ID #	GRS Deployed Mapping Activities		Cumulative Seconds
					Run Commands	Notes	
56		(GRS cmd id tbd)	DC05	56325	c01grs_lanl_run_status_on.sasf		0 orb/2 pix
57		(GRS cmd id tbd)	DC06	56326	c01grs_lanl_mp_1_2_3_4_en.sasf		0 orb/4 pix
58		(GRS cmd id tbd)	DC07	56327	c01grs_lanl_hvps_2_level_6.sasf		0 orb/4 pix
59		(GRS cmd id tbd)	DC08	56328	c01grs_lanl_hvps_2_on.sasf		0 orb/4 pix
60							
61	01-325/19:15:18	cn0104	C39	3129	c01grs_s29b_lanl_nominal_2.bfl	Executed at Orbit 0, Pixel 22848	
62		(GRS cmd id tbd)	DC01	56321	c01grs_activate_sequence_15a.sasf	Enable LANL analog data collection	imm
63		(GRS cmd id tbd)	DC02	56322	c01grs_send_lanl_regs_on.sasf		0 orb/1 pix
64		(GRS cmd id tbd)	DC03	56323	c01grs_lanl_instr_power_on.sasf		0 orb/1 pix
65		(GRS cmd id tbd)	DC04	56324	c01grs_lanl_instr_coll_on.sasf		0 orb/1 pix
66		(GRS cmd id tbd)	DC05	56325	c01grs_lanl_run_status_on.sasf		0 orb/2 pix
67		(GRS cmd id tbd)	DC06	56326	c01grs_lanl_mp_1_2_3_4_en.sasf		0 orb/4 pix
68		(GRS cmd id tbd)	DC07	56327	c01grs_lanl_hvps_2_level_7.sasf		0 orb/4 pix
69		(GRS cmd id tbd)	DC08	56328	c01grs_lanl_hvps_2_on.sasf		0 orb/4 pix
70							
71	n/a	n/a			c00grs_seq_29_b_lanl_nominal.bfl	Pre-launch load	
72		(GRS cmd id tbd)	DC01	56321	c01grs_send_lanl_regs_on.sasf		imm
73		(GRS cmd id tbd)	DC02	56322	c01grs_lanl_instr_power_on.sasf		0 orb/0 pix
74		(GRS cmd id tbd)	DC03	56323	c01grs_lanl_instr_coll_on.sasf		0 orb/0 pix
75		(GRS cmd id tbd)	DC04	56324	c01grs_lanl_run_status_on.sasf		0 orb/1 pix
76		(GRS cmd id tbd)	DC05	56325	c01grs_lanl_mp_1_2_3_4_en.sasf		0 orb/3 pix
77		(GRS cmd id tbd)	DC06	56326	c01grs_lanl_hvps_2_level_7.sasf		0 orb/3 pix
78		(GRS cmd id tbd)	DC07	56327	c01grs_lanl_hvps_2_on.sasf		0 orb/3 pix