

Line #	Spacecraft DATE/TIME	S/C Cmd #	HEX ID#	DEC ID #	GRS Deployed Mapping Activities Run Commands	Notes	Cumulative Seconds
1	03-029/16:48:36	cn0616	C36	3126	c01grs_s26b_warm_anneal4_2.bfl	Executed at Orbit 994, Pixel 142	imm
2		(GRS cmd id 2027)	D901	55553	c01grs_os_temp_b_dont_comp.sasf	Terminate the comparison	imm
3		(GRS cmd id 2450)	D902	55554	c01grs_gpa_temp_dont_comp.sasf	Terminate the comparison	imm
4		(GRS cmd id 1322)	D903	55555	c01grs_gpa_heater_3_on.sasf	Turns GPA 3 heater (instr 60) on.	0 orb/1 pix
5		(GRS cmd id 2004)	D904	55556	c01grs_gam_instr_collect_off.sasf		0 orb/2 pix
6		(GRS cmd id 2002)	D905	55557	c01grs_gam_instr_power_off.sasf	(GRS Instr. 2)	0 orb/3 pix
7		(GRS cmd id 2873)	D906	55558	c01grs_mr_temp_b_low_p100_0c.sasf	100°C 373°K Dn=10848 (0x2A60)	0 orb/6 pix
8		(GRS cmd id 2874)	D907	55559	c01grs_mr_temp_b_up_p99_0c.sasf	99°C 372°K Dn=10892 (0x2A8C)	0 orb/6 pix
9		(GRS cmd id 1325)	D908	55560	c01grs_op_heater_off.sasf		0 orb/7 pix
10		(GRS cmd id 1308)	D909	55561	c01grs_ann_pwr_o_mr_sec_on.sasf	MR secondary heater used to assist primary heater to control temp	0 orb/7 pix
11		(GRS cmd id 2746)	D90A	55562	c01grs_os_temp_a_low_p105_0c.sasf	105°C 378°K Dn=10567 (0x2947)	0 orb/187 pix
12		(GRS cmd id 2745)	D90B	55563	c01grs_os_temp_a_up_p104_8c.sasf	104.8°C 377.8°K Dn=10576 (0x2950)	0 orb/187 pix
13		(GRS cmd id 1041)	D90C	55564	c01grs_activate_sequence_41a.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	0 orb/188 pix
14							
15	02-318/19:32:22	cn0538	C36	3126	c01grs_s26b_warm_anneal4_1.bfl	Executed at Orbit xxxx , Pixel xxx	imm
16		(GRS cmd id 2082)	D901	55553	c01grs_mr_temp_a_dont_comp.sasf	Terminate the comparison	imm
17		(GRS cmd id 2450)	D902	55554	c01grs_gpa_temp_dont_comp.sasf	Terminate the comparison	imm
18		(GRS cmd id 1322)	D903	55555	c01grs_gpa_heater_3_on.sasf	Turns GPA 3 heater (instr 60) on.	0 orb/1 pix
19		(GRS cmd id 2004)	D904	55556	c01grs_gam_instr_collect_off.sasf		0 orb/2 pix
20		(GRS cmd id 2002)	D905	55557	c01grs_gam_instr_power_off.sasf	(GRS Instr. 2)	0 orb/3 pix
21		(GRS cmd id 2873)	D906	55558	c01grs_mr_temp_b_low_p100_0c.sasf	100°C 373°K Dn=10848 (0x2A60)	0 orb/6 pix
22		(GRS cmd id 2874)	D907	55559	c01grs_mr_temp_b_up_p99_0c.sasf	99°C 372°K Dn=10892 (0x2A8C)	0 orb/6 pix
23		(GRS cmd id 1325)	D908	55560	c01grs_op_heater_off.sasf		0 orb/7 pix
24		(GRS cmd id 1308)	D909	55561	c01grs_ann_pwr_o_mr_sec_on.sasf	MR secondary heater used to assist primary heater to control temp	0 orb/7 pix
25		(GRS cmd id 2746)	D90A	55562	c01grs_os_temp_a_low_p105_0c.sasf	105°C 378°K Dn=10567 (0x2947)	0 orb/187 pix
26		(GRS cmd id 2745)	D90B	55563	c01grs_os_temp_a_up_p104_8c.sasf	104.8°C 377.8°K Dn=10576 (0x2950)	0 orb/187 pix
27		(GRS cmd id 1041)	D90C	55564	c01grs_activate_sequence_41a.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	0 orb/188 pix
28							
29	02-197/17:13:28	cn0414			c01grs_delete_sequences_1.bcf		
30	Orbit 1771, Pixel 155	7/16 10:59	C68	3176	c01grs_delete_s26b_1.sasf		imm
31							
32	02-135/20:21:02	cn0320	C36	3126	c01grs_s26b_boom_deploy_2.bfl	Executed at Orbit xxxx , Pixel xxx	imm
33		(GRS cmd id 2469)	D901	55553	c01grs_is_temp_b_dont_comp.sasf	Stops comparison	0 orb/0 pix
34		(GRS cmd id 1308)	D902	55554	c01grs_ann_pwr_o_mr_sec_on.sasf		0 orb/1 pix
35		(GRS cmd id 2818)	D903	55555	c01grs_mr_temp_b_low_p52c.sasf	52°C 325°K Dn=12944 (0x3290)	0 orb/1 pix
36		(GRS cmd id 2819)	D904	55556	c01grs_mr_temp_b_up_p51c.sasf	51°C 324°K Dn=12988 (0x32BC)	0 orb/1 pix
37		(GRS cmd id 2833)	D905	55557	c01grs_os_temp_a_low_p35_0c.sasf	35°C 308°K Dn=13663 (0x355F)	0 orb/1 pix
38		(GRS cmd id 2834)	D906	55558	c01grs_os_temp_a_up_p34_8c.sasf	34.8°C 307.8°K Dn=13672 (0x3568)	0 orb/1 pix
39		(GRS cmd id 2835)	D907	55559	c01grs_mr_temp_a_low_p35c.sasf	35°C 308°K Dn=13604 (0x3524)	0 orb/1 pix
40		(GRS cmd id 2836)	D908	55560	c01grs_mr_temp_a_use_seq_27b.sasf		0 orb/1 pix
41		(GRS cmd id 2083)	D909	55561	c01grs_mr_temp_a_comp_less.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	0 orb/2 pix
42							
43	02-129/18:39:01	cn0270	C36	3126	c01grs_s26b_boom_deploy_1.bfl	Executed at Orbit 972, Pixel 21	imm
44		(GRS cmd id 2469)	D901	55553	c01grs_is_temp_b_dont_comp.sasf	Stops comparison	0 orb/0 pix
45		(GRS cmd id 1308)	D902	55554	c01grs_ann_pwr_o_mr_sec_on.sasf		0 orb/1 pix
46		(GRS cmd id 2831)	D903	55555	c01grs_mr_temp_b_low_p50c.sasf	50°C 323°K Dn=13031 (0x32E7)	0 orb/1 pix
47		(GRS cmd id 2832)	D904	55556	c01grs_mr_temp_b_up_p49c.sasf	49°C 322°K Dn=13075 (0x3313)	0 orb/1 pix
48		(GRS cmd id 2833)	D905	55557	c01grs_os_temp_a_low_p35_0c.sasf	35°C 308°K Dn=13663 (0x355F)	0 orb/1 pix
49		(GRS cmd id 2834)	D906	55558	c01grs_os_temp_a_up_p34_8c.sasf	34.8°C 307.8°K Dn=13672 (0x3568)	0 orb/1 pix
50		(GRS cmd id 2835)	D907	55559	c01grs_mr_temp_a_low_p35c.sasf	35°C 308°K Dn=13604 (0x3524)	0 orb/1 pix
51		(GRS cmd id 2836)	D908	55560	c01grs_mr_temp_a_use_seq_27b.sasf		0 orb/1 pix
52		(GRS cmd id 2083)	D909	55561	c01grs_mr_temp_a_comp_less.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	0 orb/2 pix
53							
54	02-074/19:52:02	cn0159	C36	3126	c01grs_s26b_os_temp_n73c_1.bfl	Executed at Orbit 304, Pixel 199	0
55		(GRS cmd id 2486)	D901	55553	c01grs_is_temp_b_up_n138c.sasf	-138°C 135°K [Dn=4484] [(0x1184)]	imm

Line #	Spacecraft DATE/TIME	S/C Cmd #	HEX ID#	DEC ID #	GRS Deployed Mapping Activities Run Commands	Notes	Cumulative Seconds
56		(GRS cmd id 2474)	D902	55554	c01grs_is_temp_b_use_seq_36b.sasf	Step down the temperature setpoints for the OS heater	imm
57		(GRS cmd id 2498)	D903	55555	c01grs_os_temp_a_low_n73_2c.sasf	-73.2°C 199.8°K Dn=1893 (0x765)	imm
58		(GRS cmd id 2378)	D904	55556	c01grs_os_temp_a_up_n73_3c.sasf	-73.3°C 199.7°K Dn=1897 (0x769)	imm
59		(GRS cmd id 2441)	D905	55557	c01grs_op_h_mr_a_low_n87c.sasf	-87°C 186°K Dn=2433 (0x981)	imm
60		(GRS cmd id 2435)	D906	55558	c01grs_op_h_mr_a_up_n88c.sasf	-88°C 185°K Dn=2473 (0x9A9)	imm
61		(GRS cmd id 1128)	D907	55559	c01grs_activate_sequence_28b.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	imm
62							
63	02-043/03:22:06	cn0119	C36	3126	c01grs_s26b_os_temp_n78c_1.bfl	Executed at Orbit 4, Pixel 7975	imm
64		(GRS cmd id 2399)	D901	55553	c01grs_os_temp_a_low_n78_1c.sasf	Dn=2094 0x82E	imm
65		(GRS cmd id 2398)	D902	55554	c01grs_os_temp_a_up_n78_3c.sasf	Dn=2102 0x836	imm
66		(GRS cmd id 2469)	D903	55555	c01grs_is_temp_b_dont_comp.sasf	Terminate the comparison	imm
67		(GRS cmd id 1128)	D904	55556	c01grs_activate_sequence_28b.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	imm
68							
69	n/a	n/a			c00grs_seq_26_b_ceb_hk2_dl.bfl	Pre-launch load	imm
70			D801	55297	set downlink rate - CEB Alt Actuator Current - 60		imm
71			D802	55298	set downlink rate - CEB PC Current Ref - 60		imm
72			D803	55299	set downlink rate - CEB PS Current Ref - 60		imm
73			D804	55300	set downlink rate - CEB Main Actuator Current - 60		imm
74			D805	55301	set downlink rate - CEB AD Temperature - 60		imm