

Line #	Spacecraft DATE/TIME	S/C Cmd #	HEX ID#	DEC ID #	GRS Deployed Mapping Activities Run Commands	Notes	Cumulative Seconds
1	03-322/14:22:14	cn0828	C41	3137	c01grs_s37b_anneal_to_open1_1.bfl	Executed at Orbit 143, Pixel 214	
2		(GRS cmd id 1309)	E401	58369	c01grs_ann_pwr_o_mr_sec_off.sasf		imm
3		(GRS cmd id 2887)	E402	58370	c01grs_mr_temp_b_low_p60_0c.sasf	60°C 333°K Dn=12595 (0x3133)	imm
4		(GRS cmd id 2888)	E403	58371	c01grs_mr_temp_b_up_p59_0c.sasf	59°C 332°K Dn=12639 (0x315F)	imm
5		(GRS cmd id 2737)	E404	58372	c01grs_os_temp_a_low_p60_0c.sasf	60°C 333°K Dn=12563 (0x3113)	imm
6		(GRS cmd id 2736)	E405	58373	c01grs_os_temp_a_up_p59_8c.sasf	59.8°C 332.8°K Dn=12572 (0x311C)	imm
7		(GRS cmd id 2886)	E406	58374	c01grs_is_temp_b_up_p55_0c.sasf	55°C 328°K Dn=12757 (0x31D5)	imm
8		(GRS cmd id 2477)	E407	58375	c01grs_is_temp_b_use_seq_38b.sasf	To continue the MR/OS temperature decreases	imm
9		(GRS cmd id 2471)	E408	58376	c01grs_is_temp_b_comp_great.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	20
10							
11	03-230/20:06:32	cn0776			c01grs_delete_sequences_3.bcf		imm
12			C73	3187	c01grs_delete_s37b_1.sasf		imm
13							
14	03-148/12:00:03	cn0715	C41	3137	c01grs_s37b_os_s_a_duty_off_1.bfl	Executed at Orbit 2437, Pixel 194	
15		(GRS cmd id tbd)	E401	58369	c01grs_ceb_timer0_250_msec.sasf	Counterintuitive - sets up timer for next cycle	imm
16		(GRS cmd id 2444)	E402	58370	c01grs_ceb_a_sp2_use_seq_38b.sasf	Sequence 32b turns off OS Secondary heater	imm
17		(GRS cmd id 1305)	E403	58371	c01grs_ann_pwr_o_os_sec_off.sasf		imm
18		(GRS cmd id 2401)	E404	58372	c01grs_ceb_a_sp2_comp_less.sasf	Instrument 64 will power on (31b) and off (32b)	imm
19							
20	02-198/16:13:10	cn0415			c01grs_delete_sequences_2.bcf		imm
21			C73	3187	c01grs_delete_s37b_1.sasf		imm
22							
23	02-129/19:09:02	cn0283	C41	3137	c01grs_s37b_boom_deploy_1.bfl	Executed at Orbit 972, Pixel 112	
24		(GRS cmd id 2082)	E401	58369	c01grs_mr_temp_a_dont_comp.sasf	Stops comparison	0 orb/0 pix
25		(GRS cmd id 2412)	E402	58370	c01grs_os_temp_a_low_p65_0c.sasf	65°C 338°K Dn=12342 (0x3036)	0 orb/1 pix
26		(GRS cmd id 2414)	E403	58371	c01grs_os_temp_a_up_p64_8c.sasf	64.8°C 337.8°K Dn=12351 (0x303F)	0 orb/1 pix
27		(GRS cmd id 2855)	E404	58372	c01grs_is_temp_b_low_p29c.sasf	29°C 302°K Dn=13904 (0x3650)	0 orb/1 pix
28		(GRS cmd id 2477)	E405	58373	c01grs_is_temp_b_use_seq_38b.sasf		0 orb/1 pix
29		(GRS cmd id 2470)	E406	58374	c01grs_is_temp_b_comp_less.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	0 orb/2 pix
30							
31	02-065/18:30:16	cn0145	C41	3137	c01grs_s37b_warm_anneal2_1.bfl	Executed at Orbit 194, Pixel 188	
32		(GRS cmd id 2094)	E401	58369	c01grs_mr_temp_a_oor_a_ct_2.sasf	Requires two consecutive out-of-range values.	imm
33		(GRS cmd id 2088)	E402	58370	c01grs_mr_temp_a_timer2.sasf	Switch to timer 2 for 20-second intervals.	imm
34		(GRS cmd id 2095)	E403	58371	c01grs_mr_temp_a_low_p45c.sasf	45°C 318°K Dn=13162 (0x336A)	imm
35		(GRS cmd id 2090)	E404	58372	c01grs_mr_temp_a_use_seq_30b.sasf	To start the OS heater control and switch MR heaters	imm
36		(GRS cmd id 2083)	E405	58373	c01grs_mr_temp_a_comp_less.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	5
37		(GRS cmd id 1128)	E406	58374	c01grs_activate_sequence_28b.sasf	Dumps fpga_a, fpga_b, analog, parameter, and data counts	25
38							
39	n/a	n/a			c00grs_seq_37_b_ann_os_se_on.bfl	Pre-launch load	
40			E401	58369	c01grs_os_temp_b_comp_less.sasf	Counterintuitive - compares Dn value (Dn decreases as T increases)	imm
41			E402	58370	c01grs_os_temp_a_use_seq_38b.sasf		imm
42			E403	58371	c01grs_ann_pwr_o_os_sec_on.sasf		imm