

A-SIDE SEQUENCES	Contingency Product	Starting Cmd ID	Spacecraft DATE/TIME	S/C Cmd #	File Name
GRS EEPROM Sequence 01a	n/a	32769	n/a	n/a	n/a
GRS EEPROM Sequence 02a	n/a	33025	n/a	n/a	n/a
GRS EEPROM Sequence 03a	n/a	33281	n/a	n/a	n/a
GRS EEPROM Sequence 04a	n/a	33537	n/a	n/a	n/a
GRS EEPROM Sequence 05a	n/a	33793	n/a	n/a	n/a
GRS EEPROM Sequence 06a	n/a	34049	n/a	n/a	n/a
GRS EEPROM Sequence 07a	n/a	34305	n/a	n/a	n/a
GRS EEPROM Sequence 08a	n/a	34561	n/a	n/a	n/a
GRS EEPROM Sequence 09a	n/a	34817	n/a	n/a	n/a
<a href="#">GRS EEPROM Sequence 10a</a>	n/a	35073	n/a	n/a	c00grs_seq_10_a_gam_dig_hk.bfl
<a href="#">GRS EEPROM Sequence 11a</a>	n/a	35329	n/a	n/a	c00grs_seq_11_a_gamma_hk1_on.bfl
<a href="#">GRS EEPROM Sequence 12a</a>	n/a	35585	n/a	n/a	c00grs_seq_12_a_gamma_hk2_on.bfl
<a href="#">GRS EEPROM Sequence 13a</a>	n/a	35841	n/a	n/a	c00grs_seq_13_a_gamma_hk1_off.bfl
<a href="#">GRS EEPROM Sequence 14a</a>	n/a	36097	n/a	n/a	c00grs_seq_14_a_gamma_hk2_off.bfl
<a href="#">GRS EEPROM Sequence 15a</a>	n/a	36353	n/a	n/a	c00grs_seq_15_a_lanl_hk_on.bfl
<a href="#">GRS EEPROM Sequence 16a</a>	n/a	36609	n/a	n/a	c00grs_seq_16_a_lanl_hk_off.bfl
<a href="#">GRS EEPROM Sequence 17a</a>	GRS_CTRL-11	36865	02-109/19:03:02	cn0205	c01grs_s17a_gpa1_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 18a</a>	GRS_CTRL-11	37121	02-109/19:06:02	cn0206	c01grs_s18a_gpa1_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 19a</a>	GRS_CTRL-12	37377	02-109/19:25:20	cn0209	c01grs_s19a_gpa2_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 20a</a>	GRS_CTRL-12	37633	02-109/20:38:10	cn0226	c01grs_s20a_gpa2_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 21a</a>	GRS_CTRL-13	37889	02-109/20:40:24	cn0227	c01grs_s21a_gpa3_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 22a</a>	GRS_CTRL-13	38145	02-109/20:08:52	cn0214	c01grs_s22a_gpa3_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 23a</a>	GRS_CTRL-7	38401	02-109/19:09:04	cn0207	c01grs_s23a_op_a_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 24a</a>	GRS_CTRL-7	38657	02-109/19:12:04	cn0208	c01grs_s24a_op_a_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 25a</a>	GRS_CTRL-10	38913	02-109/20:18:52	cn0218	c01grs_s25a_op_b_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 26a</a>	GRS_CTRL-10	39169	02-109/20:16:44	cn0217	c01grs_s26a_op_b_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 27a</a>	GRS_CTRL-5	39425	02-109/19:51:06	cn0211	c01grs_s27a_mr_p_a_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 28a</a>	GRS_CTRL-5	39681	02-109/20:28:32	cn0222	c01grs_s28a_mr_p_a_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 29a</a>	GRS_CTRL-8	39937	02-109/20:45:04	cn0229	c01grs_s29a_mr_p_b_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 30a</a>	GRS_CTRL-8	40193	02-109/20:52:42	cn0232	c01grs_s30a_mr_p_b_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 31a</a>	GRS_CTRL-6	40449	02-109/20:14:22	cn0216	c01grs_s31a_mr_s_a_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 32a</a>	GRS_CTRL-6	40705	02-109/20:11:24	cn0215	c01grs_s32a_mr_s_a_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 33a</a>	GRS_CTRL-9	40961	02-109/19:47:42	cn0212	c01grs_s33a_mr_s_b_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 34a</a>	GRS_CTRL-9	41217	02-109/20:35:40	cn0225	c01grs_s34a_mr_s_b_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 35a</a>	GRS-15	41473	01-122/16:13:31	i9013001	c01grs_seq_35_a_lanl_hv_off.bfl
<a href="#">GRS EEPROM Sequence 36a</a>	n/a	41729	01-122/16:21:18	i9014001	c01grs_seq_36_a_dis_lanl_hv.bfl
<a href="#">GRS EEPROM Sequence 37a</a>	GRS_CTRL-1	41985	02-109/20:31:16	cn0223	c01grs_s37a_os_p_a_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 38a</a>	GRS_CTRL-1	42241	02-109/20:33:34	cn0224	c01grs_s38a_os_p_a_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 39a</a>	GRS_CTRL-3	42497	02-109/20:06:42	cn0213	c01grs_s39a_os_p_b_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 40a</a>	GRS_CTRL-3	42753	02-109/20:23:20	cn0220	c01grs_s40a_os_p_b_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 41a</a>	n/a	43009	02-109/19:40:46	cn0210	c01grs_s41a_dump_nominal_1.bfl
<a href="#">GRS EEPROM Sequence 42a</a>	n/a	43265	02-135/20:17:32	cn0319	c01grs_s42a_gam_hv_mon_hi_1.bfl
<a href="#">GRS EEPROM Sequence 43a</a>	n/a	43521	n/a	n/a	c00grs_seq_43_a_gam_hv_mon_lo.bfl
GRS EEPROM Sequence 44a	n/a	43777	n/a	n/a	n/a
<a href="#">GRS EEPROM Sequence 45a</a>	GRS_CTRL-2	44033	02-109/20:54:46	cn0233	c01grs_s45a_os_s_a_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 46a</a>	GRS_CTRL-2	44289	02-109/20:50:34	cn0231	c01grs_s46a_os_s_a_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 47a</a>	GRS_CTRL-4	44545	02-109/20:42:40	cn0228	c01grs_s47a_os_s_b_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 48a</a>	GRS_CTRL-4	44801	02-109/20:25:28	cn0221	c01grs_s48a_os_s_b_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 49a</a>	n/a	45057	02-109/20:47:40	cn0230	c01grs_s49a_ceb_ps2_off_off_1.bfl
<a href="#">GRS EEPROM Sequence 50a</a>	n/a	45313	02-109/20:21:10	cn0219	c01grs_s50a_ceb_ps2_off_on_1.bfl

B-SIDE SEQUENCES	Contingency Product	Starting Cmd ID	Spacecraft DATE/TIME	S/C Cmd #	File Name
<a href="#">GRS EEPROM Sequence 01b</a>	Safe Mode	49153	03-024/16:21:44	cn0600	c01grs_s01b_startup_htr_c_8.bfl
<a href="#">GRS EEPROM Sequence 02b</a>	Safe Mode	49409	03-024/16:24:55	cn0601	c01grs_s02b_safe_recover_3.bfl
<a href="#">GRS EEPROM Sequence 03b</a>	Safe Mode	49665	03-024/18:38:14	cn0606	c01grs_s03b_unlock_stages_1.bfl
<a href="#">GRS EEPROM Sequence 04b</a>	UHF	49921	03-199/14:47:04	cn0755	c01grs_s04b_gam_hv_save_off_3.bfl
<a href="#">GRS EEPROM Sequence 05b</a>	UHF	50177	03-199/14:49:06	cn0756	c01grs_s05b_gam_hv_save_on_2.bfl
<a href="#">GRS EEPROM Sequence 06b</a>	GRS-14	50433	01-299/12:26:00	cn0095	c01grs_s06b_hend_reset_2.bfl
<a href="#">GRS EEPROM Sequence 07b</a>	Safe Mode	50689	02-318/19:20:30	cn0534	c01grs_s07b_hend_init_2.bfl
<a href="#">GRS EEPROM Sequence 08b</a>	GRS-12	50945	02-123/15:59:13	cn0255	c01grs_s08b_lanl_low_volt_1.bfl
<a href="#">GRS EEPROM Sequence 09b</a>	Safe Mode	51201	03-202/15:31:29	cn0758	c01grs_s09b_lanl_hv_init_5.bfl
<a href="#">GRS EEPROM Sequence 10b</a>	TBD	51457	02-197/17:13:28	cn0414	c01grs_delete_sequences_1.bcf
<a href="#">GRS EEPROM Sequence 11b</a>	n/a	51713	02-253/16:09:11	cn0462	c01grs_s11b_timer2_init_2.bfl
<a href="#">GRS EEPROM Sequence 12b</a>	n/a	51969	03-322/14:12:43	cn0824	c01grs_s12b_gam_init_gpa_c_6.bfl
<a href="#">GRS EEPROM Sequence 13b</a>	n/a	52225	02-043/03:25:12	cn0120	c01grs_s13b_hv_to_zero_1.bfl
<a href="#">GRS EEPROM Sequence 14b</a>	n/a	52481	02-064/19:25:12	cn0141	c01grs_s14b_hv_ramp_down_2.bfl
<a href="#">GRS EEPROM Sequence 15b</a>	n/a	52737	02-116/12:37:27	cn0241	c01grs_s15b_gamma_shutdown_1.bfl
<a href="#">GRS EEPROM Sequence 16b</a>	n/a	52993	02-123/16:06:22	cn0258	c01grs_s16b_gam_nom_g0_1.bfl
<a href="#">GRS EEPROM Sequence 17b</a>	n/a	53249	02-123/15:56:49	cn0254	c01grs_s17b_gam_nom_g46_1.bfl
<a href="#">GRS EEPROM Sequence 18b</a>	n/a	53505	03-024/18:33:41	cn0605	c01grs_s18b_burst_nom_1.bfl
<a href="#">GRS EEPROM Sequence 19b</a>	n/a	53761	02-045/17:05:31	cn0126	c01grs_s19b_lat_b_c_on_1.bfl
<a href="#">GRS EEPROM Sequence 20b</a>	n/a	54017	02-045/17:09:41	cn0127	c01grs_s20b_lat_b_c_off_1.bfl
<a href="#">GRS EEPROM Sequence 21b</a>	n/a	54273	03-323/22:33:48	cn0839	c01grs_s21b_open_prep1_1.bfl
<a href="#">GRS EEPROM Sequence 22b</a>	n/a	54529	02-143/15:40:15	cn0339	c01grs_s22b_warm_anneal1_2.bfl
<a href="#">GRS EEPROM Sequence 23b</a>	n/a	54785	02-143/15:42:37	cn0336	c01grs_s23b_warm_anneal2_2.bfl
<a href="#">GRS EEPROM Sequence 24b</a>	n/a	55041	03-029/16:43:04	cn0615	c01grs_s24b_warm_anneal3_4.bfl
<a href="#">GRS EEPROM Sequence 25b</a>	n/a	55297	03-324/00:02:27	cn0843	c01grs_s25b_open_prep2_2.bfl
<a href="#">GRS EEPROM Sequence 26b</a>	n/a	55553	03-029/16:48:36	cn0616	c01grs_s26b_warm_anneal4_2.bfl
<a href="#">GRS EEPROM Sequence 27b</a>	n/a	55809	03-322/14:15:04	cn0825	c01grs_s27b_open_cool5_1.bfl
<a href="#">GRS EEPROM Sequence 28b</a>	n/a	56065	03-322/14:17:26	cn0826	c01grs_s28b_open_cool6_1.bfl
<a href="#">GRS EEPROM Sequence 29b</a>	n/a	56321	03-322/14:19:45	cn0827	c01grs_s29b_open_cool7_1.bfl
<a href="#">GRS EEPROM Sequence 30b</a>	n/a	56577	02-344/15:19:45	cn0574	c01grs_s30b_os_s_a_duty_stop1.bfl
<a href="#">GRS EEPROM Sequence 31b</a>	n/a	56833	03-345/16:13:06	cn0869	c01grs_s31b_os_s_a_duty_off_3.bfl
<a href="#">GRS EEPROM Sequence 32b</a>	n/a	57089	02-339/16:40:06	cn0567	c01grs_s32b_os_s_a_duty_on_1.bfl
<a href="#">GRS EEPROM Sequence 33b</a>	n/a	57345	02-339/16:43:16	cn0568	c01grs_s33b_os_s_a_dhtr_off_1.bfl
<a href="#">GRS EEPROM Sequence 34b</a>	n/a	57601	03-345/16:17:11	cn0870	c01grs_s34b_os_s_a_dhtr_on_4.bfl
<a href="#">GRS EEPROM Sequence 35b</a>	n/a	57857	03-323/22:39:38	cn0841	c01grs_s35b_open_prep3_1.bfl
<a href="#">GRS EEPROM Sequence 36b</a>	n/a	58113	03-323/22:42:41	cn0842	c01grs_s36b_open_prep4_1.bfl
<a href="#">GRS EEPROM Sequence 37b</a>	n/a	58369	03-322/14:22:14	cn0828	c01grs_s37b_anneal_to_open1_1.bfl
<a href="#">GRS EEPROM Sequence 38b</a>	n/a	58625	03-322/14:24:46	cn0829	c01grs_s38b_anneal_to_open2_1.bfl
<a href="#">GRS EEPROM Sequence 39b</a>	n/a	58881	03-322/14:27:05	cn0830	c01grs_s39b_anneal_to_open3_1.bfl
<a href="#">GRS EEPROM Sequence 40b</a>	n/a	59137	03-322/14:29:20	cn0831	c01grs_s40b_anneal_to_open4_1.bfl
<a href="#">GRS EEPROM Sequence 41b</a>	n/a	59393	02-129/19:28:37	cn0307	c01grs_s41b_open_cool1_1.bfl
<a href="#">GRS EEPROM Sequence 42b</a>	n/a	59649	02-129/19:23:03	cn0292	c01grs_s42b_open_cool2_1.bfl
<a href="#">GRS EEPROM Sequence 43b</a>	n/a	59905	03-322/14:31:39	cn0832	c01grs_s43b_open_cool3_2.bfl
<a href="#">GRS EEPROM Sequence 44b</a>	n/a	60161	03-322/14:33:58	cn0833	c01grs_s44b_open_cool4_3.bfl
<a href="#">GRS EEPROM Sequence 45b</a>	Safe Mode	60417	02-249/15:19:00	cn0457	c01grs_s45b_os_s_a_ctrl_off_1.bfl
<a href="#">GRS EEPROM Sequence 46b</a>	Safe Mode	60673	02-249/15:22:06	cn0458	c01grs_s46b_os_s_a_ctrl_on_1.bfl
<a href="#">GRS EEPROM Sequence 47b</a>	n/a	60929	02-129/19:03:06	cn0280	c01grs_s47b_auto_ramp_set_1.bfl
<a href="#">GRS EEPROM Sequence 48b</a>	n/a	61185	03-322/14:36:11	cn0834	c01grs_s48b_auto_ramp_up_4.bfl
<a href="#">GRS EEPROM Sequence 49b</a>	n/a	61441	03-323/22:26:34	cn0835	c01grs_s49b_post_ramp1_1.bfl
<a href="#">GRS EEPROM Sequence 50b</a>	n/a	61697	03-323/22:29:22	cn0836	c01grs_s50b_post_ramp2_1.bfl