

PACS_Spec_Gra_IST_Set_Ctrl_Par
 File: H_COP_PAC_GX09.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to set the grating controller parameters.

Based on procedure:
 PACS_Spec_Gra_IST_Set_Ctrl_Par (v1)

Summary of Constraints

The grating controller should be ON

This procedure should be executed on PACS request only

Spacecraft Configuration

Start of Procedure

PACS in NO_PRIME (SAFE) mode

End of Procedure

PACS in NO_PRIME (SAFE) mode

Reference File(s)

Input Command Sequences

Output Command Sequences

HCPGX09

Referenced Displays

ANDs GRDs SLDs

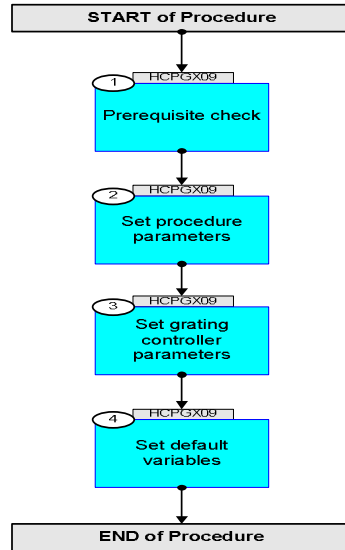
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
22/10/08	2	1	Created	R. Biggins	
15/04/09	2.3	2	Final updates before flight - Summary updated - TC flags updated - TM checks removed (not produced in SAFE mode)	R. Biggins	

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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
TC Seq. Name : HCPGX09 (Set Gra Ctrl Params)				
TimeTag Type: B Sub Schedule ID: □				
1		Prerequisite check		Next Step: 2
		Verify that the HSC/ICC has supplied a valid OBSID value: OBS_ID = 0xnnnn nnnn		
		Verify that the ICC has supplied valid DMC_CHECKSUM values: 2 = 62E8 (Def) 3 = 2F41 (Def)		
2		Set procedure parameters		Next Step: 3
	ET=+00.00.00 UT=+00.00.00	DMC_SET_OBSID Command Parameter(s) : OBSERVATION_ID PP069420 TC Control Flags : Subsch. ID : 90 Det. descr. : SET OBSID IN DMC GBM IL DSE --Y -- ---	PC078420 OBS_ID	
3		Set grating controller parameters		Next Step: 4
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_WRT_GRAT_CONF_PAR Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 CB2 <hex> DMC_4_BYTES_WORDS_DATA PP067420 15F19 <hex> DMC_4_BYTES_WORDS_DATA PP067420 1C <hex> DMC_4_BYTES_WORDS_DATA PP067420 0 <hex> DMC_4_BYTES_WORDS_DATA PP067420 3 <hex> DMC_4_BYTES_WORDS_DATA PP067420 10E4311 <hex> DMC_4_BYTES_WORDS_DATA PP067420 452F <hex> DMC_4_BYTES_WORDS_DATA PP067420 579 <hex> DMC_4_BYTES_WORDS_DATA PP067420 5B06 <hex> DMC_CHECKSUM PP066420 2	PC162420	
		Subsch. ID : 90 Det. descr. : WRITE THE PARAMETERS TO CONFIGURE THE GRATING SERVO LOOP		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_WRT_GRAT_CONF_FILT Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE PARAMETERS OF THE GRATING CONTROLLER FILTER	PC378420 F4240 <hex> 0 <hex> 0 <hex> 0 <hex> 0 <hex> 3	
4		Set default variables		Next Step: END
	ET=+00.00.01 UT=+00.00.01	DMC_SET_OBSID DMC_SET_OBSID Command Parameter(s) : OBSERVATION_ID PP069420 Subsch. ID : 90 Det. descr. : SET OBSID IN DMC	PC078420 00000000 <hex>	
	ET=+00.00.00 UT=+00.00.00	DMC_SET_BBID DMC_SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID PP070420 Subsch. ID : 90 Det. descr. : SET BBID IN DMC	PC079420 40000000 <hex>	
End of Procedure				