

PACS_Spec_Gra_IST_Move_Abs_OBS
 File: H_COP_PAC_GX07.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to move the grating to a defined absolute position

Based on procedure:
 PACS_Spec_Gra_IST_Move_Abs_OBS (v1)

Summary of Constraints

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

HCPGX07

Referenced Displays

ANDs **GRDs** **SLDs**
 PA016420

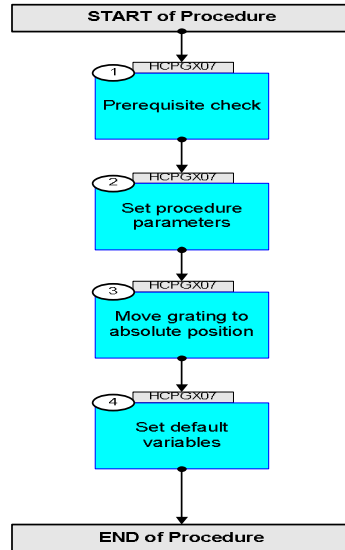
Configuration Control Information

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 :HCPGX07 (Move grating (ABS))				
TimeTag Type: B Sub Schedule ID: □				
1		Prerequisite check		□
		Verify that the HSC/ICC has supplied a valid OBSID value: OBS_ID = 0xnnnn nnnn		
		Verify that the HSC/ICC has supplied a valid value for the target of the grating: MOVE_POS = 50000 (def)		
2		Set procedure parameters		□
	ET=+00.00.00 UT=+00.00.00	DMC_SET_OBSID Command Parameter(s) : OBSERVATION_ID PP069420 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 90 Det. descr. : SET OBSID IN DMC	DMC_SET_OBSID PC078420 OBS_ID	
3		Move grating to absolute position		□
		The grating position is incremented until the target is reached depending on grating controller RATE parameter value		
	ET=+00.00.01 UT=+00.00.01	DMC_MOVE_GRAT_ABS_RAW Command Parameter(s) : SET_POINT PP079420 Subsch. ID : 90 Det. descr. : MOVE GRATING TO AN ABSOLUTE POSITION	DMC_MOVE_GRAT_ABS PC112420 MOVE_POS	
		Verify: Grating Position DM_GRAT_CUR_POS PM054420	MOVE_POS	AND=PA016420
4		Set default variables		□

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	DMC_SET_OBSID Command Parameter(s) : OBSERVATION_ID PP069420 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 90 Det. descr. : SET OBSID IN DMC	DMC_SET_OBSID PC078420 00000000 <hex>	
	ET=+00.00.00 UT=+00.00.00	DMC_SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID PP070420 SSID : 90	DMC_SET_BBID PC079420 40000000 <hex>	
End of Procedure				