

PACS_Spec_Gra_IST_Move_Rel_OBS
 File: H_COP_PAC_GX08.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_Rel_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

HCPGX08

Referenced Displays

ANDs GRDs SLDs
 PA016420

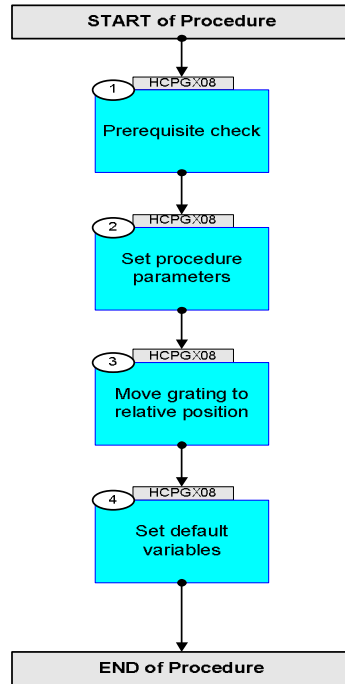
Configuration Control Information

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	

PACS_Spec_Gra_IST_Move_Rel_OBS
File: H_COP_PAC_GX08.xls
Author: R. Biggins



Procedure Flowchart Overview



PACS_Spec_Gra_IST_Move_Rel_OBS
 File: H_COP_PAC_GX08.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
TC Seq. Name :HCPGX08 (Move grating (REL)) TimeTag Type: B Sub Schedule ID: <input type="checkbox"/>				
1		Prerequisite check		Next Step: 2
		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 = 1000 (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 : GBM IL DSE --Y -- --- Subsch. ID : 90 Det. descr. : SET OBSID IN DMC	DMC_SET_OBSID PC078420 OBS_ID	
3		Move grating to relative position		Next Step: 4
		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_REL_RAW Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	DMC_MOVE_GRAT_REL PC113420 MOVE_POS	
		Verify: Grating Position DM_GRAT_CUR_POS PM054420	MOVE_POS	AND=PA016420
4		Set default variables		Next Step: END

PACS_Spec_Gra_IST_Move_Rel_OBS
 File: H_COP_PAC_GX08.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	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 00000000 <hex>	
	ET=+00.00.01 UT=+00.00.01	DMC_SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID PP070420 Subsch. ID : 90 Det. descr. : SET BBID IN DMC	DMC_SET_BBID PC079420 40000000 <hex>	
End of Procedure				