

CONF_spec_fltw_OBS
 File: H_COP_PAC_F002.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to mechanically setup the filterwheel for spectroscopy.

Based on procedure:
 CONF_spec_fltw_OBS (v1)

Summary of Constraints

This procedure should be executed as part of the Short Functional Test (HeII conditions)
 This procedure may also be executed on PACS request

Spacecraft Configuration

Start of Procedure

PACS in NO_PRIME (SAFE) mode
 - producing Spectroscopy HK packets
 - producing Diagnostic HK packets

End of Procedure

PACS in NO_PRIME (SAFE) mode
 - producing Spectroscopy HK packets
 - producing Diagnostic HK packets

Reference File(s)

Input Command Sequences

Output Command Sequences

HCPF002

Referenced Displays

ANDs GRDs SLDs
 ZAZ98999

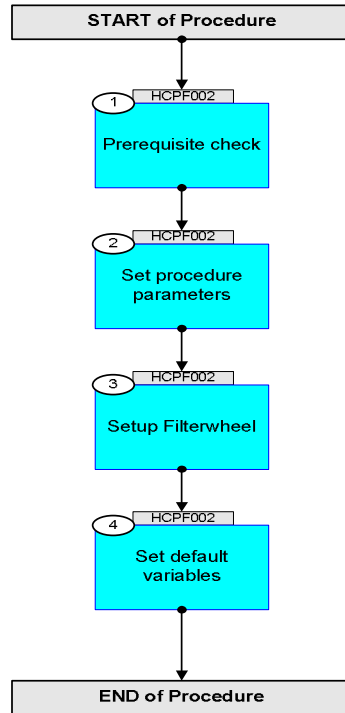
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
13/08/08		1	Created	R. Biggins	
13/11/08	2	2	Updates due to initial testing - New step (1) added for prerequisite check - Initial OBSID value changed to FP - Time tags added to TC in step 3	R. Biggins	
15/04/09	2.3	2.01	Validation : Final updates before flight - Summary updated - TC flags updated	R. Biggins	

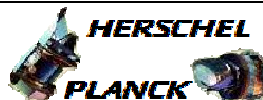
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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
TC Seq. Name :HCPF002 (Filterwheel setup -S) TimeTag Type: B Sub Schedule ID: <input type="checkbox"/>				
1		Prerequisite check		Next Step: 2
1.1		HSC/ICC input		<input type="checkbox"/>
		Verify that the HSC/ICC has supplied a valid OBSID value: OBS_ID = 0xnnnn nnnn		
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 OBS_ID	PC078420
		Verify Telemetry DM_OBSID PM028420	OBS_ID	AND=ZAZ98999
3		Setup Filterwheel		Next Step: 4
		The following TC is verified with service 1 telemetry only		
	ET=+00.00.00 UT=+00.00.00	Execute Telecommand Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 32 <hex> DMC_4_BYTES_WORDS_DATA PP067420 1000 <hex> DMC_4_BYTES_WORDS_DATA PP067420 20AD <hex> DMC_4_BYTES_WORDS_DATA PP067420 181F <hex> DMC_4_BYTES_WORDS_DATA PP067420 7D0 <hex> DMC_4_BYTES_WORDS_DATA PP067420 7D0 <hex> DMC_CHECKSUM PP066420 D363 <hex> TC Control Flags : GBM IL DSE --Y -- ---	DMC_WRT_FWSPEC_CONF_PAR	PC164420

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Subsch. ID : 90 Det. descr. : WRITE THE PARAMETERS TO CONFIGURE THE FW SPEC SERVO LOOP		
4		Set default variables		Next Step: END
	ET=+00.00.01 UT=+00.00.01	DMC_SET_OBSID Command Parameter(s) : OBSERVATION_ID TC Control Flags : Subsch. ID : 90 Det. descr. : SET OBSID IN DMC	DMC_SET_OBSID PP069420 GBM IL DSE --Y -- --	PC078420 00000000 <hex>
	ET=+00.00.00 UT=+00.00.00	DMC_SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID Subsch. ID : 90 Det. descr. : SET BBID IN DMC	DMC_SET_BBID PP070420	PC079420 40000000 <hex>
		Verify Telemetry DM_OBSID	PM028420	= 00000000 <hex> AND=ZAZ98999
		Verify Telemetry DM_BBID	PM029420	= 40000000 <hex> AND=ZAZ98999
End of Procedure				