

PACS_Spec_Flash_SWON_OBS
 File: H_COP_PAC_D101.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to switch ON the blue and red detector flashers.

Based on procedure:
 PACS_Spec_Flash_SWON_OBS (v1)

Summary of Constraints

Procedure H_COP_PAC_X005 must have been successfully completed directly before the execution of this procedure

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

RT Science must be enabled to receive the Diagnostic HK packets

Spacecraft Configuration

Start of Procedure

PACS in NO_PRIME (SAFE) mode
 - PACS is generating Spectroscopy HK
 - PACS is generating Diagnostic HK

End of Procedure

PACS in NO_PRIME (SAFE) mode
 - PACS is generating Spectroscopy HK
 - PACS is generating Diagnostic HK

Reference File(s)

Input Command Sequences

Output Command Sequences

HCPD101

Referenced Displays

ANDs GRDs SLDs
 ZAZ98999
 PA022420
 PA021420

Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
14/08/08		1	Created	R. Biggins	

Status : Version 2 - Unchanged
 Last Checkin: 14/11/08

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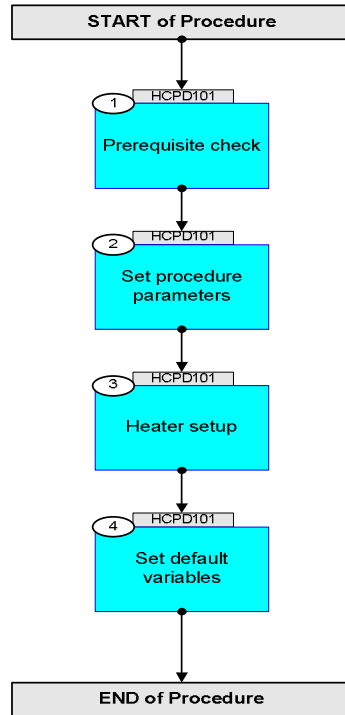


14/11/08	2	2	Updates due to initial testing <input type="checkbox"/> - New step (1) added for prerequisite check <input type="checkbox"/> - Initial OBSID value changed to FP	R. Biggins	
15/04/09	2.3	2.01	Validation : Final updates before flight <input type="checkbox"/> - Summary updated <input type="checkbox"/> - TC flags updated	R. Biggins	

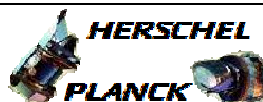
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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
<i>TC Seq. Name :HCPD101 (Switch ON Flashers)</i> <i>TimeTag Type: B</i> <i>Sub Schedule ID:</i> <input type="checkbox"/>				
1		<i>Prerequisite check</i>		Next Step: 2
1.1		<i>HSC/ICC input</i>		<input type="checkbox"/>
		Verify that the HSC/ICC has supplied a valid OBSID value: OBS_ID = 0xnnnn nnnn		
2		<i>Set procedure parameters</i>		Next Step: 3
	ET=+00.00.00 UT=+00.00.00	DMC_SET_OBSID <i>Command Parameter(s) :</i> OBSERVATION_ID PP069420 <i>TC Control Flags :</i> GBM IL DSE --Y -- --- <i>Subsch. ID : 90</i> <i>Det. descr. : SET OBSID IN DMC</i>	DMC_SET_OBSID PC078420 OBS_ID	
	ET=+00.00.01 UT=+00.00.01	DMC_SET_BBID <i>Command Parameter(s) :</i> BUILDING_BLOCK_ID PP070420 <i>Subsch. ID : 90</i> <i>Det. descr. : SET BBID IN DMC</i>	DMC_SET_BBID PC079420 40A50001 <hex>	
		Verify Telemetry DM_OBSID PM028420	OBS_ID	AND=ZAZ98999
		Verify Telemetry DM_BBID PM029420	= 40A50001 <hex>	AND=ZAZ98999
3		<i>Heater setup</i>		Next Step: 4
		The following TCs will switch on the blue and red detector flashers and verify the default current (0.0mA)		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Switch ON blue detector flashers DMC_SWON_BD_FLASHER TC Control Flags : Subsch. ID : 90 Det. descr. : SWITCH ON BLUE DEC FLASHER GBM IL DSE --Y -- ---	PC132420	
		Verify Telemetry DM_DECB_CR_ST_3 PM095420	bit 10 = 1	AND=PA022420
		Verify Telemetry DM_DECB_CR_ST_4 PM129420	bit 10 = 1	AND=PA022420
		Verify Telemetry DM_DECB_FLASH_C PM119420	= 0.0 mA	AND=PA021420
	ET=+00.00.00 UT=+00.00.00	Switch ON red detector flashers DMC_SWON_RD_FLASHER TC Control Flags : Subsch. ID : 90 Det. descr. : SWITCH ON THE RED DEC FLASHER GBM IL DSE --Y -- ---	PC375420	
		Verify Telemetry DM_DECR_CR_ST_1 PM163420	bit 10 = 1	AND=PA022420
		Verify Telemetry DM_DECR_CR_ST_2 PM197420	bit 10 = 1	AND=PA022420
		Verify Telemetry DM_DECR_FLASH_C PM187420	= 0.0 mA	AND=PA021420
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 TC Control Flags : Subsch. ID : 90 Det. descr. : SET OBSID IN DMC GBM IL DSE --Y -- ---	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>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry DM_OBSID PM028420	= 00000000 <hex>	AND=ZAZ98999
		Verify Telemetry DM_BBID PM029420	= 40000000 <hex>	AND=ZAZ98999
End of Procedure				