

PACS\_Spec\_Heat\_SWON\_OBS  
 File: H\_COP\_PAC\_D001.xls  
 Author: R. Biggins



## Procedure Summary

### Objectives

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

Based on procedure:  
 PACS\_Spec\_Heat\_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  
 - The heaters are switched ON

### Reference File(s)

#### Input Command Sequences

#### Output Command Sequences

HCPD001

### Referenced Displays

ANDs	GRDs	SLDs
ZAZ98999		
PA022420		
PA021420		

### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
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Status : Version 2 - Unchanged  
 Last Checkin: 14/11/08

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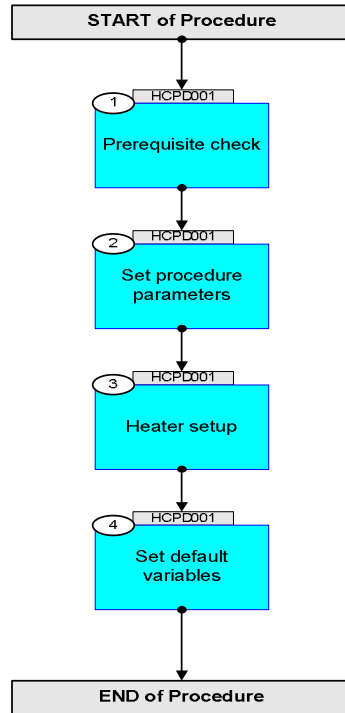


14/08/08		1	Created	R. Biggins	
14/11/08	2	2	Updates due to initial testing <input type="checkbox"/> - New step (1) added for prerequisite check <input type="checkbox"/> - Initial OBSID value changed to FP	R. Biggins	
15/04/09	2.3	2.01	Validation : Final updates before flight <input type="checkbox"/> - 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
	ET=+00.00.01 UT=+00.00.01	Switch ON blue detector heaters DMC_SWON_BD_HEATER  TC Control Flags :  Subsch. ID : 90 Det. descr. : SWITCH ON BLUE DEC HEATER  GBM IL DSE --Y -- ---	PC130420	
		Verify Telemetry DM_DECB_CR_ST_3 PM095420	bit 11 = 1	AND=PA022420
		Verify Telemetry DM_DECB_CR_ST_4 PM129420	bit 11 = 1	AND=PA022420
		Verify Telemetry DM_DECB_HEAT_C PM085420	= 0.0 mA	AND=PA021420
	ET=+00.00.00 UT=+00.00.00	Switch ON red detector heaters DMC_SWON_RD_HEATER  TC Control Flags :  Subsch. ID : 90 Det. descr. : SWITCH ON THE RED DEC HEATER  GBM IL DSE --Y -- ---	PC373420	
		Verify Telemetry DM_DECR_CR_ST_1 PM163420	bit 11 = 1	AND=PA022420
		Verify Telemetry DM_DECR_CR_ST_2 PM197420	bit 11 = 1	AND=PA022420
		Verify Telemetry DM_DECR_HEAT_C PM153420	= 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
<b>End of Procedure</b>				