

PACS_Spec_HK_Setup_OBS
 File: H_COP_PAC_X003.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to enable the generation of the Spectroscopy HK

Based on the procedure:
 PACS_Spec_HK_Setup_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 mode

End of Procedure

PACS producing Spectroscopy HK

Reference File(s)

Input Command Sequences

Output Command Sequences

HCPX003

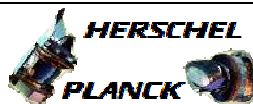
Referenced Displays

ANDs **GRDs** **SLDs**
 ZAZ98999

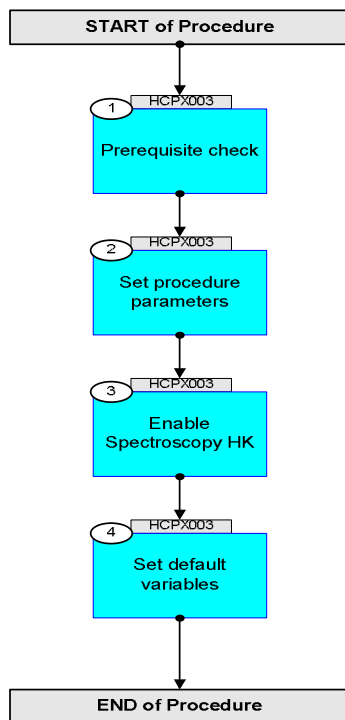
Configuration Control Information

| DATE | FOP ISSUE | VERSION | MODIFICATION DESCRIPTION | AUTHOR | SPR REF |
|----------|-----------|---------|--|------------|---------|
| 24/07/08 | 1 | 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 | R. Biggins | |
| 02/04/09 | 2.3 | 3 | Final updates before flight - Summary updated - TC flags updated | R. Biggins | |

PACS_Spec_HK_Setup_OBS
File: H_COP_PAC_X003.xls
Author: R. Biggins



Procedure Flowchart Overview



| | |
|--|--|
| PACS_Spec_HK_Setup_OBS File: H_COP_PAC_X003.xls Author: R. Biggins |   |
|--|--|

| Step No. | Time | Activity/Remarks | TC/TLM | Display/ Branch |
|---|--------------------------------|---|--|-------------------|
| Beginning of Procedure | | | | |
| <p style="text-align: center;">TC Seq. Name : HCPX003 (Enable Spec HK)</p> <p style="text-align: center;">TimeTag Type: B Sub Schedule ID:</p> <p style="text-align: center;">□</p> | | | | |
| 1 | | Prerequisite check | | Next Step: 2 |
| 1.1 | | HSC/ICC input | | □ |
| | | 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 PC078420 OBS_ID OBS_ID | |
| 3 | | Enable Spectroscopy HK | | Next Step: 4 |
| | ET+=+00.00.01 UT+=+00.00.01 | DPU_SET_HK_LIST Command Parameter(s) : HK_PACKET_ID PP005380 SPU_ARRAY PP025380 Subsch. ID : 90 Det. descr. : SET THE PREDIFINED LIST OF HK VALUES FOR THE HK PACKET | DPU_SET_HK_LIST PC003380 SPEC BOTH Array | |
| | | Verify Telemetry DP_TM_RATE PM049380 | = SPEC | AND=ZAZ98999 |
| | | Verify Telemetry DM_OBSID PM028420 | OBS_ID | AND=ZAZ98999 |
| 4 | | Set default variables | | Next Step: END |

PACS_Spec_HK_Setup_OBS
 File: H_COP_PAC_X003.xls
 Author: R. Biggins



| 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 | PC078420 00000000 <hex> | |
| | ET=+00.00.00 UT=+00.00.00 | DMC_SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID PP070420 Subsch. ID : 90 Det. descr. : SET BBID IN DMC | PC079420 40000000 <hex> | |
| | | Verify Telemetry DM_OBSID PM028420 | = 00000000 <hex> | AND=ZAZ98999 |
| | | Verify Telemetry DM_BBID PM029420 | = 40000000 <hex> | AND=ZAZ98999 |
| End of Procedure | | | | |