ACMS Initial GYR+CRS Bias Calibration in SCM
File: H_COP_AOC_0620.xls
Author: dsalt-hp

Procedure Summary

Objectives

The objective of this Herschel ACMS commissioning procedure is to
perform the ACMS initial GYR+CRS calibration in SCM.

The procedure involves the following activities:
- define/enable the necessary DTM packets
  (calls H_FCP_AOC_D3FD)
- slew to pointing attitude to enable initial calibration
  (calls H_FCP_AOC_3S01)
- disable/delete DTM
  (calls H_FCP_AOC_D3FD)

Summary of Constraints

To be executed in accordance with the Herschel commissioning plan
and associated timeline

Spacecraft Configuration

Start of Procedure

S/C in SCM

End of Procedure

S/C in SCM

Reference File(s)

Input Command Sequences

Output Command Sequences
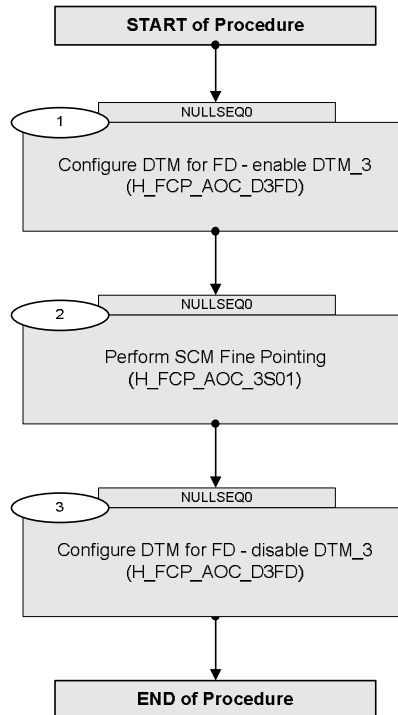
Referenced Displays

ANDs   GRDs   SLDs

Configuration Control Information

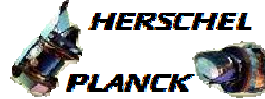| DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
22/04/09	2.3	1	Created	dsalt-hp	
04/05/09	2.4	2	Procedure reference in Step 2 corrected	dsalt-hp	

ACMS Initial GYR+CRS Bias Calibration in SCM
File: H_COP_AOC_0620.xls
Author: dsalt-hp

Procedure Flowchart Overview

ACMS Initial GYR+CRS Bias Calibration in SCM
File: H_COP_AOC_0620.xls
Author: dsalt-hp

Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Beginning of Procedure		
		TC Seq. Name :NULLSEQ0 ( ) *TimeTag Type:* *Sub Schedule ID:*		
1		*Configure DTM for FD - enable DTM_3* *(H_FCP_AOC_D3FD)*		Next Step: 2
		Execute procedure H_FCP_AOC_D3FD (Configure DTM for FD) to define and enable selected DTM packets, as necessary ***Use DTM_3 (Step 6) to define and enable diagnostic CRS calibration packet for STR1 (SPID=240007990)***		
		Execute Procedure: **H_FCP_AOC_D3FD** **Configure DTM for FD**		
		NOTE: ***FD will use the DTM to calculate new values of the relevant OBDB parameters to update GYR biases***		
2		*Perform SCM Fine Pointing* *(H_FCP_AOC_3S01)*		Next Step: 3
		Execute procedure H_FCP_AOC_3S01 (Perform SCM Fine Pointing) using the specific instance of TPF=SFP generated by FD to command the following slew to: ***- roll angle = 0, SAA between 85 and 95 deg with sufficient stars to enable interlacing***		
		Execute Procedure: **H_FCP_AOC_3S01** **Perform SCM Fine Pointing**		
3		*Configure DTM for FD - disable DTM_3* *(H_FCP_AOC_D3FD)*		Next Step: END
		Execute procedure H_FCP_AOC_D3FD (Configure DTM for FD) to disable and delete selected DTM packets, as necessary ***Use DTM_3 (Step 7) to disable and delete diagnostic CRS calibration packet for STR1 (SPID=240007990)***		

Doc No.   :PT-HMOC-OPS-FOP-6001-OPS-OAH
Fop Issue :   3.0
Issue Date: 13/04/10

ACMS Initial GYR+CRS Bias Calibration in SCM
File: H_COP_AOC_0620.xls
Author: dsalt-hp

Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Procedure: **H_FCP_AOC_D3FD** **Configure DTM for FD**		
		NOTE: *This step may be skipped if the full calibration* *activities will follow immediately after this one*		

End of Procedure