ACMS Gyro Bias Drift Calibration #1
File: H_COP_AOC_0680.xls
Author: dsalt-hp

Procedure Summary

Objectives

The objective of this Herschel ACMS commissioning procedure is to acquire the attitude to enable the 1st part of the GYR bias drift calibration.

The procedure involves the following activities:
- command slew to SCM Fine Pointing attitude
  (calls H_FCP_AOC_3S01)

NOTE: The time between the 1st & 2nd GYR bias drift calibrations should be at least 1 day, while each of the pointing should last for about 1 hour

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

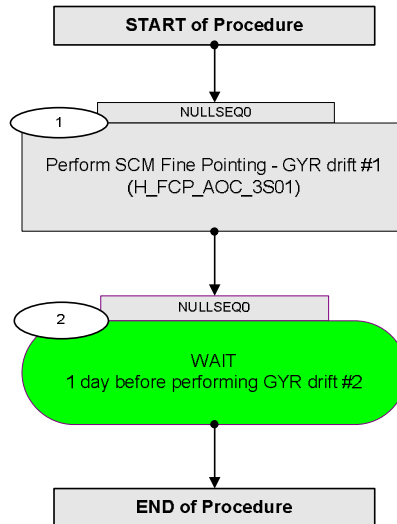**Output Command Sequences**

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	Note in "Objectives" corrected	dsalt-hp	

Status   : Version 2 - Unchanged
Last Checkin: 04/05/09

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Procedure Flowchart Overview

START of Procedure

1   NULLSEQ0

Perform SCM Fine Pointing - GYR drift #1
(H_FCP_AOC_3S01)

2   NULLSEQ0

WAIT
1 day before performing GYR drift #2

END of Procedure

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Beginning of Procedure		
		TC Seq. Name :NULLSEQ0 ( ) *TimeTag Type:* *Sub Schedule ID:*		
1		*Perform SCM Fine Pointing - GYR drift #1* *(H_FCP_AOC_3S01)*		Next Step: 2
		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*		
		NOTE: **FD will use MTM to determine GYR bias drift and calculate new values of the relevant OBDB parameters to update GYR biases**		
2		*WAIT* *1 day before performing GYR drift #2*		Next Step: END
		End of Procedure		