

# Procedure Summary

Objectives
The objective of this Herschel ACMS commissioning procedure is to perform the ACMS GYR+CRS calibration slews in SCM, which requires use of the LGA.
The procedure involves the following activities: - define/enable the necessary DTM packets, if necessary (calls H_FCP_AOC_D3FD) - perform 8 calibration slews to the following attitudes (calls H_FCP_AOC_3SO1) - SAA 65 deg, as much as possible about ACA Y-axis - SAA 115 deg, as much as possible about ACA Y-axis - go back to original position - roll -2.5 deg, as much as possible about ACA X-axis - roll +2.5 deg, as much as possible about ACA X-axis - Sun Centered position - +20 deg slew, purely about the ACA Z-axis - Sun Centered position - disable/delete DTM (calls H_FCP_AOC_D3FD)

## Summary of Constraints

To be executed in accordance with the Herschel commissioning plan and associated timeline  $% \left( {{{\left[ {{{\rm{T}}_{\rm{T}}} \right]}}} \right)$ 

### Spacecraft Configuration

Start of Procedure

S/C in SCM

End of Procedure

S/C in SCM

SLDs

### Reference File(s)

Input Command Sequences

Output Command Sequences

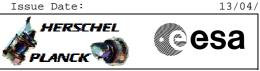
Referenced Displays

ANDS GRDs

### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF	
22/04/09	2.3	1	Created	dsalt-hp		ĺ

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



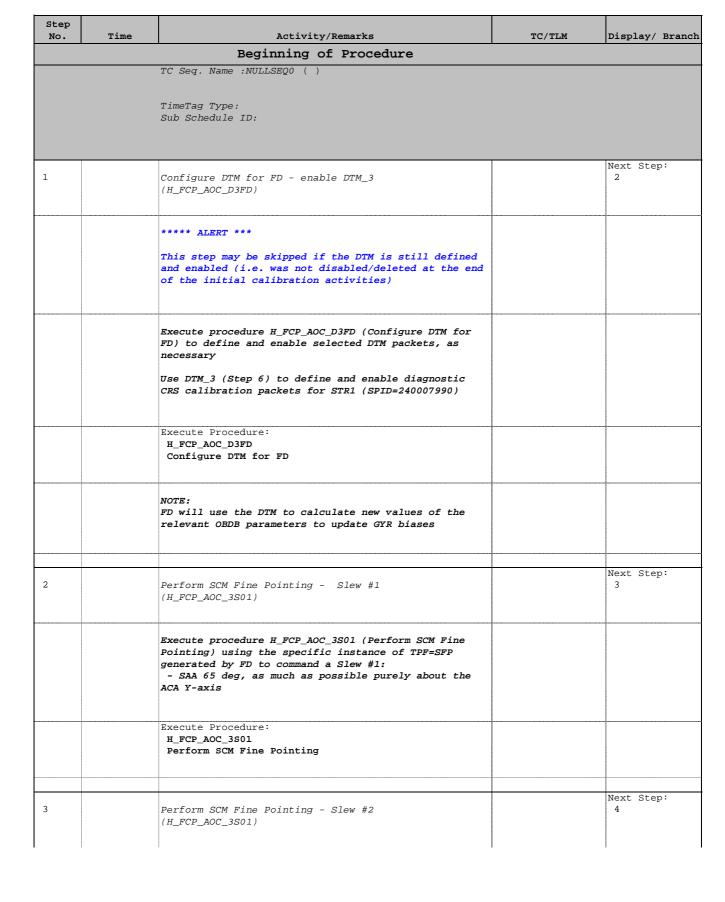


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HERSCHEL

PLANCK





Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute procedure H_FCP_AOC_3S01 (Perform SCM Fine Pointing) using the specific instance of TPF=SFP generated by FD to command Slew #2: - SAA 115 deg, as much as possible purely about the ACA Y-axis		
		Execute Procedure: H_FCP_AOC_3S01 Perform SCM Fine Pointing		
4		Perform SCM Fine Pointing - Slew #3 (H_FCP_AOC_3S01)		Next Step: 5
		Execute procedure H_FCP_AOC_3S01 (Perform SCM Fine Pointing) using the specific instance of TPF=SFP generated by FD to command Slew #3: - go back to original position		
		Execute Procedure: H_FCP_AOC_3S01 Perform SCM Fine Pointing		
5		Perform SCM Fine Pointing - Slew #4 (H_FCP_AOC_3S01)		Next Step: 6
		Execute procedure H_FCP_AOC_3S01 (Perform SCM Fine Pointing) using the specific instance of TPF=SFP generated by FD to command Slews #4: - roll -2.5 deg, as much as possible purely about the ACA X-axis		
		Execute Procedure: H_FCP_AOC_3S01 Perform SCM Fine Pointing		
6		Perform SCM Fine Pointing - Slew #5 (H_FCP_AOC_3S01)		Next Step: 7
		Execute procedure H_FCP_AOC_3S01 (Perform SCM Fine Pointing) using the specific instance of TPF=SFP generated by FD to command Slews #5: - roll +2.5 deg, as much as possible purely about the ACA X-axis		
		Execute Procedure: H_FCP_AOC_3S01 Perform SCM Fine Pointing		



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
7		Perform SCM Fine Pointing - Slew #6 (H_FCP_AOC_3S01)		Next Step: 8
		Execute procedure H_FCP_AOC_3S01 (Perform SCM Fine Pointing) using the specific instance of TPF=SFP generated by FD to command Slew #6: - Sun Centered position		
		Execute Procedure: H_FCP_AOC_3S01 Perform SCM Fine Pointing		
8		Perform SCM Fine Pointing - Slew #7 (H_FCP_AOC_3S01)		Next Step: 9
		Execute procedure H_FCP_AOC_3S01 (Perform SCM Fine Pointing) using the specific instance of TPF=SFP generated by FD to command Slew #7: - +20 deg slew , purely about the ACA Z-axis		
		Execute Procedure: H_FCP_AOC_3S01 Perform SCM Fine Pointing		
9		Perform SCM Fine Pointing - Slew #8 (H_FCP_AOC_3S01)		Next Step: 10
		Execute procedure H_FCP_AOC_3S01 (Perform SCM Fine Pointing) using the specific instance of TPF=SFP generated by FD to command Slew #8: - Sun Centered position		
		Execute Procedure: H_FCP_AOC_3S01 Perform SCM Fine Pointing		
10		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 packets for STR1 (SPID=240007990)		
		Execute Procedure: H_FCP_AOC_D3FD Configure DTM for FD		

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	Fop Issue :	3.0
	Issue Date:	13/04/10
ACMS GYR + CRS Cal Slews in SCM (LGA) File: H_COP_AOC_0634.xls Author: dsalt-hp		Cesa

Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		End of Procedure		