



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 09, year 2023

from 27 FEB 2023 to 06 MAR 2023

1.0

1 General Comments

Activities scheduled for this week are those planned for the 09th calendar week of 2023:

27 FEB 2023 to 06 MAR 2023 (DoYs 058 to 065).

The following routine activities were planned this week (see Gantt chart on next page and CRF 1104).

- One Warm NIR Calibration on 01 MAR 2023 (DoY 060) with ETO 04:58:22z (orbit 70034; DESCENDING: thermally UNSTABLE) and with the following expected calibration values:

B.T.	=	3.74°
R.M.S.	=	0.12
Sun elevation	=	9.79°
Moon elevation	=	28.96°
R.A.	=	63.95°
DEC.	=	-27.00°
- Two LONG Calibrations on 02 MAR 2023 (DoY 061), which encompassed two ascending semi-orbital periods starting at 14:21:30z (orbit 70054) and 16:03:00z (orbit 70055).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 09, year 2023

from 27 FEB 2023 to 06 MAR 2023

1.0

Schedule Name: 2023_w09_cr ### Display start: 27-02-2023 00:00:00.000 ### Display end: 06-03-2023 00:00:00.000

Date	27/2/2023	28/2/2023	1/3/2023	2/3/2023	3/3/2023	4/3/2023
SMOS Sequences						
Disable_Cyclic_Function_SEQ			◆	◆◆		
Enable_Cyclic_Function_SEQ			◆	◆◆		
External_Calibration_NIR_Full_OBOP_SEQ			█			
Int_LO_Phase_Cal_Noise_FULL_EXT_SEQ			█			
Int_LO_Phase_Cal_Noise_FULL_NotEXT_Q				█		
Long_Calibration_Full_OBOP_SEQ				█		
SBand_Visibility_SEQ						
Update_Cyclic_LO_Phase_Cal_NoU_Full_EXT_SEQ			◆			
Update_Cyclic_LO_Phase_Cal_NoU_Full_NotEXT_SEQ			◆			
XB_Cmd_Downlink_Sb_SEQ						
XB_Cmd_Downlink_Vpa_SEQ						



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 09, year 2023

from 27 FEB 2023 to 06 MAR 2023

1.0

3 TC Failures

None.

4 On Board Anomalies

None.

5 On Board Events Telemetry

The following RAM Single Bit errors befell this week:

Event Description	Packet ID	Severity	Event Time	Parameters
RAM Single Bit Error	730	WARNING	2023.058.23.23.03	23E3BA0
RAM Single Bit Error	730	WARNING	2023.061.23.26.17	2050664

6 FOS Systems Status

All FOS systems nominal.

7 Data Reception from CNES

All S band passes were correctly received from CNES and successfully processed by the FOS PLPC system.

8 X Band Data Reception in PXMF

None, all S band passes successfully received and processed.

9 Exceptional Activities

None.

10 AOB

None.