



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 25, year 2024**

from 17 JUN 2024 to 24 JUN 2024

**1.0**

## 1 General Comments

Activities scheduled for this week are those planned for the 25<sup>th</sup> calendar week of 2024:

17 JUN 2024 to 24 JUN 2024 (DoYs 169 to 176).

The following routine activities were planned this week (see Gantt chart on next page and CRF N° 1200).

- One Warm NIR Calibration on 19 JUN 2024 (DoY 171) with ETO 04:12:40z (orbit 76883; DESCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.49°
R.M.S.	=	0.12
Sun elevation	=	8.04°
Moon elevation	=	19.09°
R.A.	=	182.45°
DEC.	=	32.42°
- One PMS Offset on 20 JUN 2024 (DoY 172), including three Short Calibrations at 07:26:00.0z, 07:26:34.8z, and 07:27:09.6z (orbit 76899).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

## 2 Mission Planning Deviations

None.



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Schedule Name: 2024\_w25\_cr ### Display start: 17-06-2024 00:00:00.000 ### Display end: 24-06-2024 00:00:00.000

Date	17/6/2024	18/6/2024	19/6/2024	20/6/2024	21/6/2024	22/6/2024	23/6/2024
<b>SMOS Sequences</b>							
Disable_Cyclic_Funct ion_SEQ			◆	◆			
Enable_Cyclic_Funct on_SEQ			◆	◆			
External_Calibration _NIR_Full_OBOP_SEQ			█				
Int_LO_Phase_Cal_N oise_FULL_EXT_SEQ			█				
Int_LO_Phase_Cal_N oise_FULL_NotEXT_ Q							
PMS_Offset_Calibrati on_Full_SEQ							
SBand_Visibility_SEQ							
Update_Cyclic_LO_Pt Cal_NoU_Full_EXT_S			◆				
Update_Cyclic_LO_Pt Cal_NoU_Full_NotEX SEQ			◆				
XB_Cmd_Downlink_S b_SEQ							
XB_Cmd_Downlink_V pa_SEQ							



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## 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	2024.174.19.46.03	201FOE8

## 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, with the following exceptions:

- S band GS passes:

STATION	PASS	AoS	LoS
STC	21	2024-06-17T18:40:24z	2024-06-17T18:54:56z

contained 1 HKTM gap because of an issue with the receiving station.

Gap spanned over the range:

### PUS HKTM

from 2024-06-17T14:05:57z to 2024-06-17T14:06:03z; 22 packets lost

### E HKTM

No gap is appreciated by FOS given the sampling rate.

## 8 X Band Data Reception in PXMF

None, a total of 9 packets were lost. Given the small size of this gap no TM was recovered from the X band PXMF system and ingested into the MUST-SMTA system.

## 9 Exceptional Activities

None.

## 10 AOB

None.



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## APPENDIX A: OOLs

No relevant OOLs.