

FOS Team @ ESAC Reported by:

Date: Issue:

Topic:

FOS Report for week 25, year 2024 from 17 JUN 2024 to 24 JUN 2024

1.0

J. Fauste/J.M. Castro Cerón

1 General Comments

Activities scheduled for this week are those planned for the 25th calendar week of 2024:

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17 JUN 2024 to 24 JUN 2024 (Doys 169 to 176).
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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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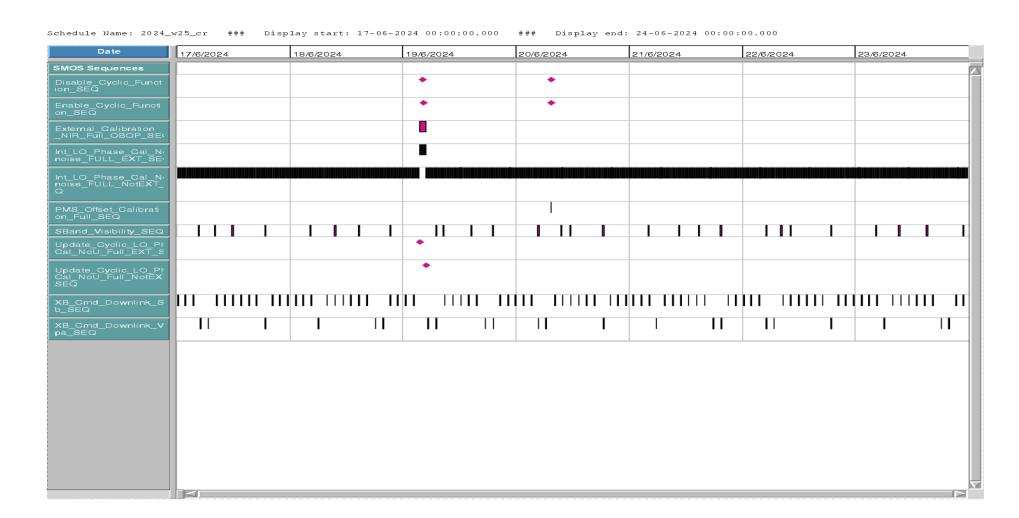
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3 TC Failures

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	201F0E8

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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-	17T18:4	0:24z	2024-06-	-17T18	3:54:56z
			•				

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

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.

Exceptional Activities

None.

10 AOB

None.



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APPENDIX A: OOLs

No relevant OOLs.