



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón/A. Vázquez*

Topic: **FOS Report for week 33, year 2024**

Date: from 12 AUG 2024 to 19 AUG 2024

Issue: **1.0**

### 1 General Comments

Activities scheduled for this week are those planned for the 33<sup>rd</sup> calendar week of 2024:

12 AUG 2024 to 19 AUG 2024 (DoYs 225 to 232).

The following routine activities were planned this week (see Gantt chart on next page and CRF N° 1212).

- One PMS Offset on 15 AUG 2024 (DoY 228), including three Short Calibrations at 07:46:00.0z, 07:46:34.8z, and 07:47:09.6z (orbit 77705).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

### 2 Mission Planning Deviations

None.



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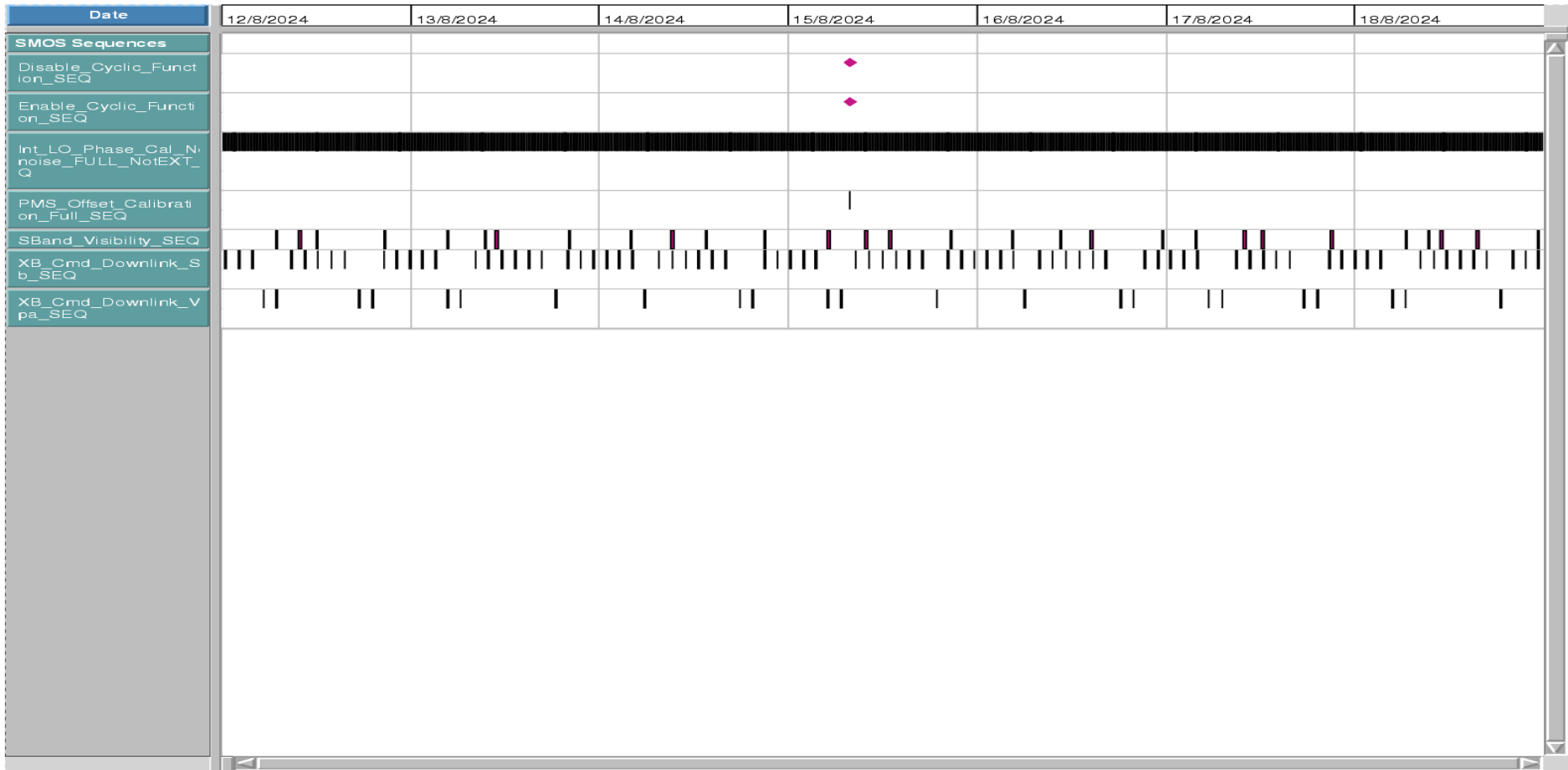
*J. Fauste/J.M. Castro Cerón/A. Vázquez*

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Schedule Name: 2024\_w33\_ex ### Display start: 12-08-2024 00:00:00.000 ### Display end: 19-08-2024 00:00:00.000





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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	2024.226.09.08.03,628	23421F0

## 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 pass:

STATION	PASS	AoS	LoS
STC	14	2024-08-15T04:58:18z	2024-08-15T05:12:23z

contained 9 HKTM gaps because of an issue with the receiving station.

Gaps spanned over the range:

### PUS HKTM

from 2024-08-14T20:55:25,333z to 2024-08-14T21:00:46,937z;

370 packets lost  
over 9 gaps

### E HKTM

from 2024-08-14T20:55:00z to 2024-08-14T20:58:12z

- S band GS pass:

STATION	PASS	AoS	LoS
HBX	04	2024-08-18T15:27:02z	2024-08-18T15:41:34z

could not be acquired because of an issue with the receiving station.

Gap spanned over the range:

### PUS HKTM

from 2024-08-18T10:56:12,858z to 2024-08-18T15:28:43,087z;



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*13501 packets lost*

**E** **HKTM**

*from 2024-08-18T10:56:08z*

*to 2024-08-18T15:29:12z*

### **8 X Band Data Reception in PXMF**

- To achieve completion MIRAS PUS TM was recovered from the X band PXMF system and ingested into the MUST-SMTA system 15 AUG 2024 for STC-14, and 19 AUG 2024 for HBX-04. The corresponding E HKTM was lost.

### **9 Exceptional Activities**

None.

### **10 AOB**

None.

### **APPENDIX A: OOLs**

No relevant OOLs.