



Operations Notes

FOS Team @ ESAC

Reported by:

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

Topic: **FOS Report for week 37, year 2024**

Date: from 09 SEP 2024 to 16 SEP 2024

Issue: **1.0**

1 General Comments

Activities scheduled for this week are those planned for the 37th calendar week of 2024:

09 SEP 2024 to 16 SEP 2024 (DoYs 253 to 260).

The following routine activities were planned this week (see Gantt chart on next page and CRF N° 1217).

- One PMS Offset on 12 SEP 2024 (DoY 256), including three Short Calibrations at 06:16:00.0z, 06:16:34.8z, and 06:17:09.6z (orbit 78107).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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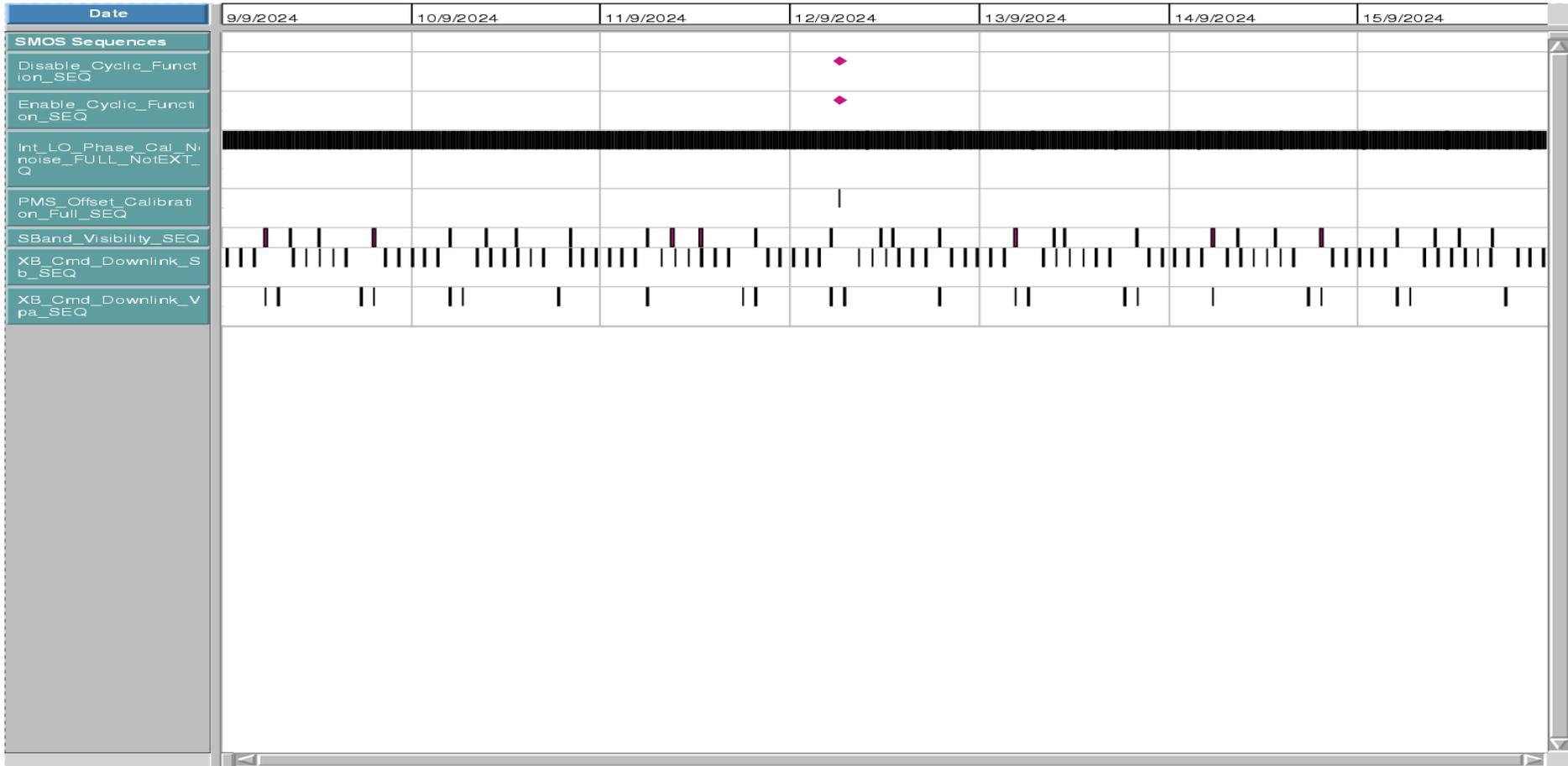
J. Fauste/J.M. Castro Cerón/A. Vázquez

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Schedule Name: 2024_w37_cr ### Display start: 09-09-2024 00:00:00.000 ### Display end: 16-09-2024 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	2024-09-11T21:25:17	2243A74
RAM Single Bit Error	730	WARNING	2024-09-12T21:36:14	20141A0
RAM Single Bit Error	730	WARNING	2024-09-14T10:01:41	231BE04
RAM Single Bit Error	730	WARNING	2024-09-15T21:00:03	23264B0

6 FOS Systems Status

- Network connectivity (from the outside world) to the SMOS DMZ was down between 2024-09-10T08:10:00z and 2024-09-11T08:38:00z. FOS maintained TM/TC capabilities through the CNES-ESA Corporate back-up line.

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 STC-11, with AoS 2024-09-09T05:24:40z, contained 1 gap. Telemetry was missing:

FROM = 2024-09-08T21:42:12z

TO = 2024-09-08T23:39:57z

MIRAS PUS HKTМ was recovered from X band PXMF, ingested into SMTA-MUST, 09 SEP 2024.

- S band GS pass PAM-11, with AoS 2024-09-12T11:21:00z, contained 26 gaps. Telemetry was missing:

FROM = 2024-09-12T05:33:18z

TO = 2024-09-12T05:50:32z

MIRAS PUS HKTМ was recovered from X band PXMF, ingested into SMTA-MUST, 13 SEP 2024.



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- S band GS pass STC-15, with AoS 2024-09-12T18:53:48z, contained 1 gap. Telemetry was missing:

FROM = 2024-09-12T18:05:42z

TO = 2024-09-12T18:05:45z

MIRAS PUS HKTm was recovered from X band PXMF, ingested into SMTA-MUST, 13 SEP 2024.

- S band GS pass PAM-13, with AoS 2024-09-13T10:42:30z, contained 4 gaps. Telemetry was missing:

FROM = 2024-09-13T09:23:20z

TO = 2024-09-13T10:13:22z

MIRAS PUS HKTm was recovered from X band PXMF, ingested into SMTA-MUST, 13 SEP 2024.

8 Exceptional Activities

None.

9 AOB

None.

APPENDIX A: OOLs

No relevant OOLs.