



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 24, year 2023

from 12 JUN 2023 to 19 JUN 2023

1.0

1 General Comments

Activities scheduled for this week are those planned for the 24th calendar week of 2023:

12 JUN 2023 to 19 JUN 2023 (DoYs 163 to 170).

The following routine activities were planned this week (see Gantt chart on next page and CRF n° 1027).

- One PMS Offset on 15 JUN 2023 (DoY 166), including three Short Calibrations at 06:29:30.0z, 06:30:04.8z, and 06:30:39.6z (orbit 71560).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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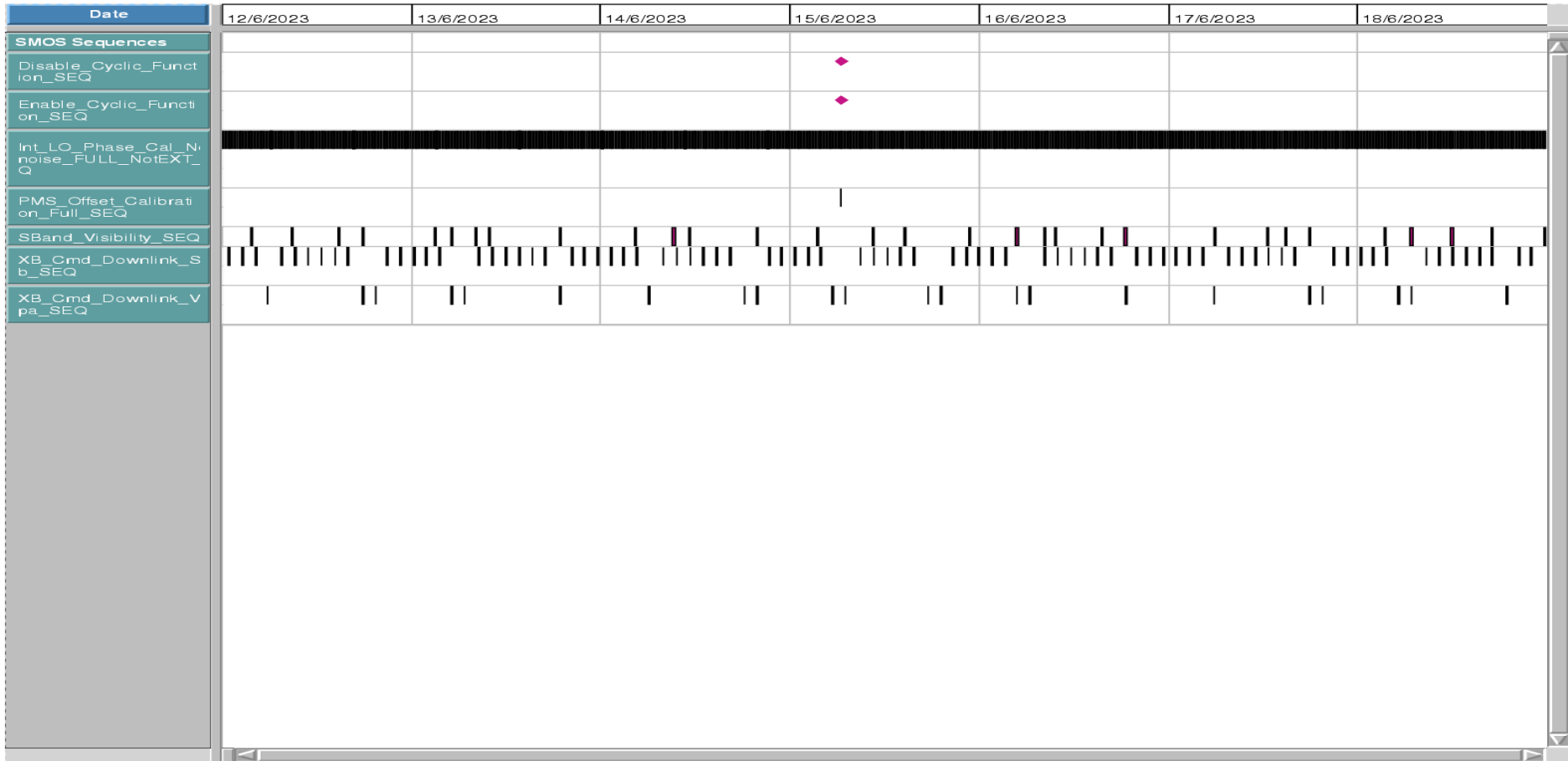
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Schedule Name: 2023_w24_cr ### Display start: 12-06-2023 00:00:00.000 ### Display end: 19-06-2023 00:00:00.000





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3 TC Failures

None.

4 On Board Anomalies

- The MIRAS instrument CMN, unit H1, unlocked 2023-06-14T20:05:25z (DoY 165). This anomaly was geolocated just off the coast of the Estado do Rio Grande do Norte (Brazil):

LAT. = -4.58°

LONG. = 328.23°

Both parameters, output power SPM11162 and locking status SPM11167, went out of limits in the FOS PLPC system. The anomaly recovered in 3 epochs.

- The MIRAS instrument CMN, unit H3, unlocked 2023-06-17T08:50:27z (DoY 168). This anomaly was geolocated just off the coast of the Estado do Rio de Janeiro (Brazil):

LAT. = -23.19°

LONG. = 321.28°

Both parameters, output power SPM13162 and locking status SPM13167, went out of limits in the FOS PLPC system. The anomaly recovered in 3 epochs.

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	2023.164.11.12.13	22252A4

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 PXM

None, all S band passes successfully received and processed.

9 Exceptional Activities

None.



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10 AOB

None.



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APPENDIX A: OOLs

The following OOLs befell at the time the MIRAS instrument CMN, unit H1, unlocked 2023-06-14T20:05:25z (DoY 165):

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2023.166.03.44.02	2023.165.20.05.25	SPM11162	H1 LO_Out_Power	NOT-OK	OK
2023.166.03.44.02	2023.165.20.05.27	SPM11167	H1 LO_Locking	UNLOCK	LOCK

The following OOLs befell at the time the MIRAS instrument CMN, unit H3, unlocked 2023-06-17T08:50:27z (DoY 168):

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2023.168.12.57.18	2023.168.08.50.27	SPM13162	H3 LO_Out_Power	NOT-OK	OK
2023.168.12.57.18	2023.168.08.50.28	SPM13167	H3 LO_Locking	UNLOCK	LOCK