



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 25, year 2023

from 19 JUN 2023 to 26 JUN 2023

1.0

1 General Comments

Activities scheduled for this week are those planned for the 25th calendar week of 2023:

19 JUN 2023 to 26 JUN 2023 (DoYs 170 to 177).

The following routine activities were planned this week (see Gantt chart on next page and CRF n° 1129).

- One PMS Offset on 22 JUN 2023 (DoY 173), including three Short Calibrations at 06:55:00.0z, 06:55:34.8z, and 06:56:09.6z (orbit 71661).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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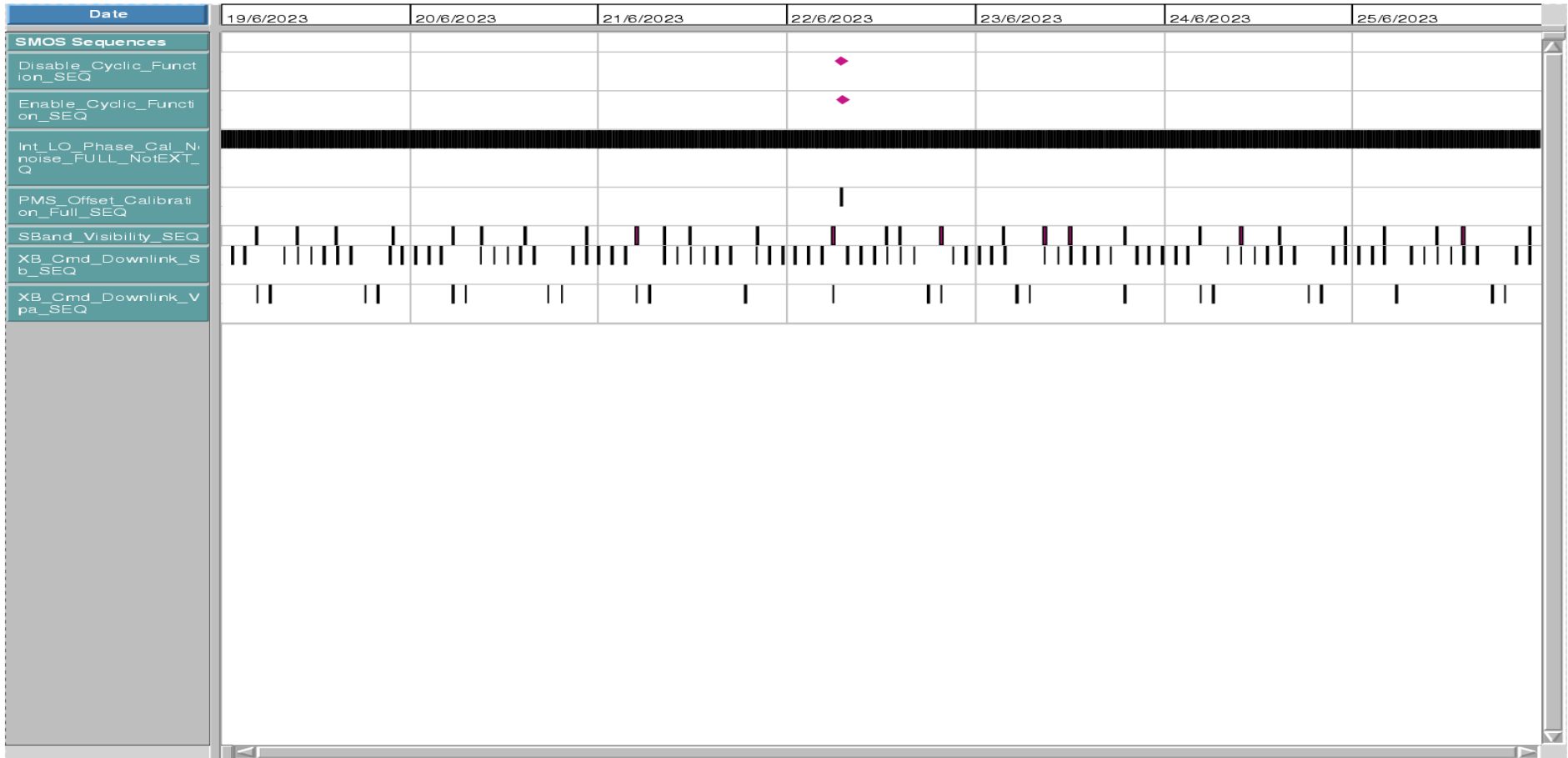
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Schedule Name: 2023_w25_cr ### Display start: 19-06-2023 00:00:00.000 ### Display end: 26-06-2023 00:00:00.000





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3 TC Failures

None.

4 On Board Anomalies

- The MIRAS instrument CMN, unit H1, unlocked 2023-06-22T23:20:34z (DoY 173). This anomaly was geolocated over the South Pacific Ocean, midway between the coast of Chile and Easter Island:

LAT. = -27.47°

LONG. = 275.72°

Both parameters, output power SPM11162 and locking status SPM11167, went out of limits in the FOS PLPC system. The anomaly recovered in 12 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	2023.172.22.55.38	21CC080
RAM Single Bit Error	730	WARNING	2023.173.20.43.10	22AFE28
RAM Single Bit Error	730	WARNING	2023.174.08.20.22	229F770
RAM Single Bit Error	730	WARNING	2023.175.07.48.50	22FA878
RAM Single Bit Error	730	WARNING	2023.175.22.00.43	2039884

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 PXMf

None, all S band passes successfully received and processed.

9 Exceptional Activities

None.

10 AOB

None.



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APPENDIX A: OOLs

The following OOLs befell at the time the MIRAS instrument CMN, unit H1, unlocked 2023-06-22T23:20:34z (DoY 173):

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2023.174.03.57.54	2023.173.23.20.34	SPM11162	H1 LO_Out_Power	NOT-OK	OK
2023.174.03.57.54	2023.173.23.20.41	SPM11167	H1 LO_Locking	UNLOCK	LOCK