



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 43, year 2022

from 24 OCT 2022 to 31 OCT 2022

1.0

1 General Comments

Activities scheduled for this week are those planned for the 43rd calendar week of 2022:

24 OCT 2022 to 31 OCT 2022 (DoYs 297 to 304).

The following routine activities were planned this week (see Gantt chart on next page and CRF 1081).

- One Warm NIR Calibration on 26 OCT 2022 (DoY 299) with ETO 15:41:35z (orbit 68227; ASCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.84°
R.M.S.	=	0.64
Sun elevation	=	9.79°
Moon elevation	=	-3.89°
R.A.	=	126.80°
DEC.	=	-15.39°
- One PMS Offset on 27 OCT 2022 (DoY 300), including three Short Calibrations at 06:19:30.0z, 06:20:04.8z, and 06:20:39.6z (orbit 68236).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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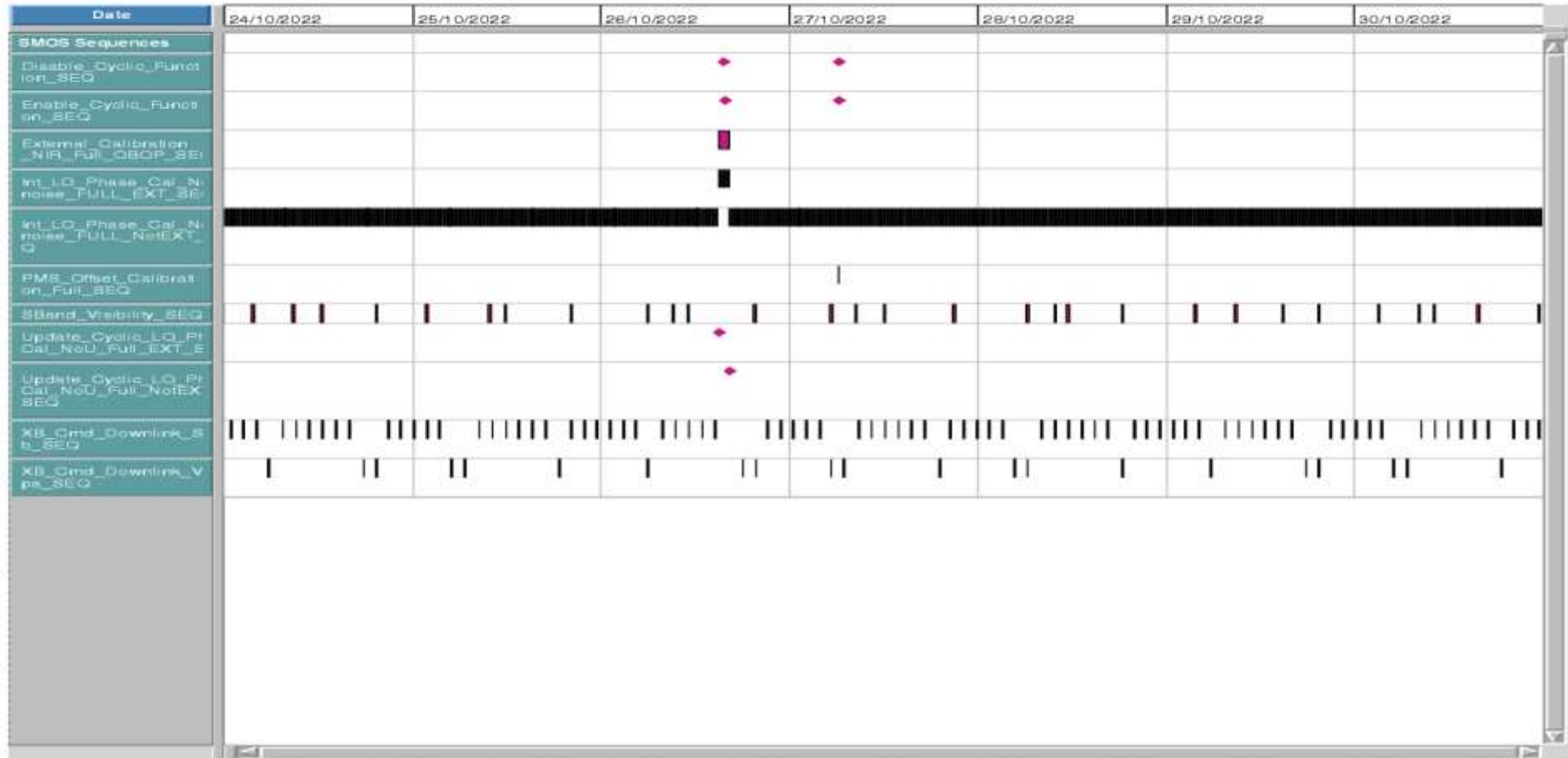
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Schedule Name: 2022_w43_or ### Display start: 24-10-2022 00:00:00.000 ### Display end: 31-10-2022 00:00:00.000





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3 TC Failures

None.

4 On Board Anomalies

None.

5 On Board Events Telemetry

None.

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

- **Thermal control in segment A1:**

Consequence of MIRAS A1 segment thermal degradation, and because of the seasonal Sun elevation over the antenna plane, CMN A1 duty cycle ceased activation 27 OCT 2022 at 17:05:56z. CMN2 temperatures remained within limits, though they increased slowly in the following few days, reaching a first relative maximum immediately before commencement of the annual eclipse season, 13 NOV 2022.

Graph below showcases the evolution of LICEF A4 temperature and its comparison with the same period the previous year.



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