



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 47, year 2021

from 22 NOV 2021 to 29 NOV 2021

1.0

1 General Comments

Activities scheduled for this week are those planned for the 47th calendar week of 2021:

22 NOV 2021 to 29 NOV 2021 (DOYs 326 to 333).

The following routine activities were planned this week (see Gantt chart on next page and CRF 1013).

- One Warm NIR Calibration on 24 NOV 2021 (DOY 328) with ETO 17:02:12z (orbit 63393; ASCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.73°
R.M.S.	=	0.36
Sun elevation	=	9.00°
Moon elevation	=	41.46°
R.A.	=	155.05°
DEC.	=	-11.21°
- One PMS Offset on 25 NOV 2021 (DOY 329), including three Short Calibrations at 06:01:00.0z, 06:01:34.8z, and 06:02:09.6z (orbit 63401).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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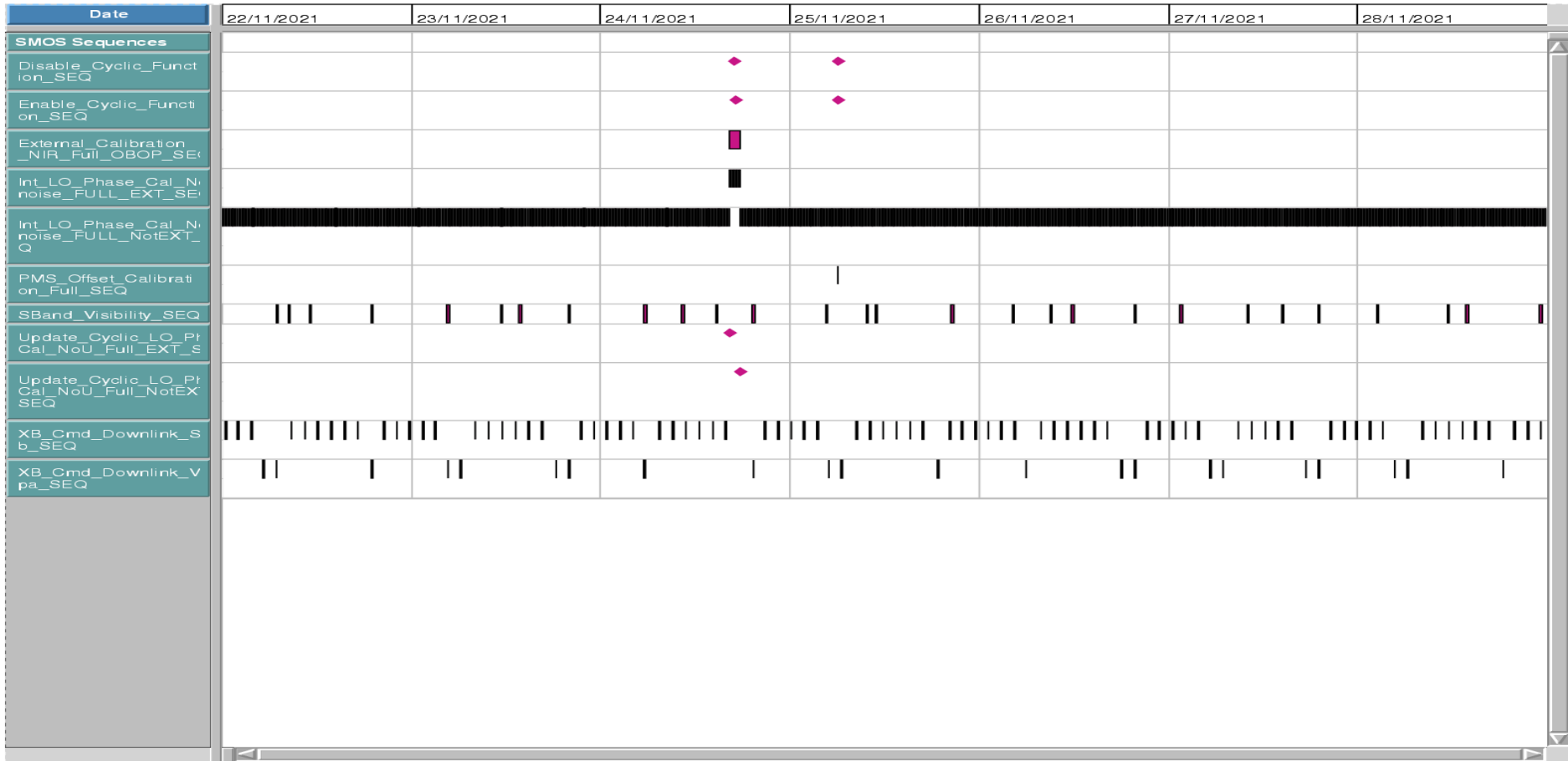
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Schedule Name: 2021_w47_cr ### Display start: 22-11-2021 00:00:00.000 ### Display end: 29-11-2021 00:00:00.000





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3 TC Failures

None.

4 On Board Anomalies

- The MIRAS CMN, unit B2, unlocked 2021-11-22T01:56:46.598z (DOY 326). This anomaly was geolocated over north-coast of Caspian see:

Latitude = 50.37°

Longitude = 50.86°

Both parameters, output power SPM18162 and locking status SPM18167, went out of limits in the FOS PLPC system. The anomaly recovered in 10 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	WARN	2021-11-22T08:5215:15	210AC08
RAM single Bit Error	730	WARN	2021-11-22T08:5215:15	210AC08
RAM single Bit Error	730	WARN	2021-11-24T08:4938:38	23D4040
RAM single Bit Error	730	WARN	2021-11-25T19:467:07	23CDFF4

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.

10 AOB

None.



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APPENDIX A: OOLs

At the time of the CMN unlock on the 22th of November, the following two parameters went temporary out of limits on the FOS PLPC system.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2021-11-22T07:19:31	2021-11-22T01:56:40	SPM18162	B2 LO_Out_Power	NOT-OK	OK
2021-11-22T07:19:31	2021-11-22T01:56:46	SPM18167	B2 LO_Locking	UNLOCK	LOCK