



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 43, year 2018

from 22 OCT 2018 to 29 OCT 2018

1.0

1 General Comments

Activities scheduled for this week are those planned for the 43rd calendar week of 2018:

22 OCT 2018 to 29 OCT 2018 (DOYs 295 to 302).

The following routine activities were planned this week (see Gantt chart on next page and CRF 772).

- One PMS Offset on 25 OCT 2018 (DOY 298), including three Short Calibrations at 07:09:00.0z, 07:09:34.8z, and 07:10:09.6z (orbit 47185).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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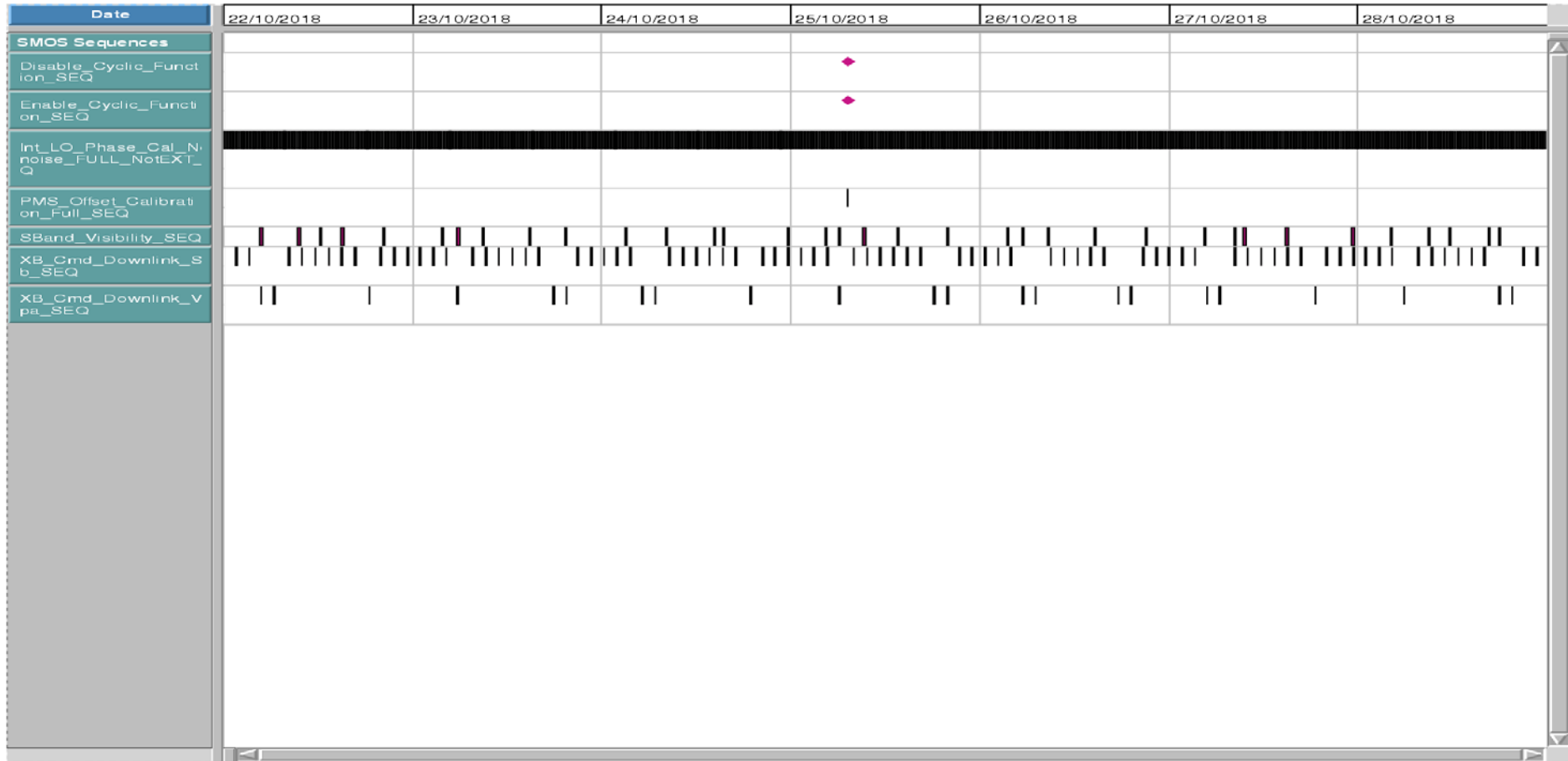
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Schedule Name: 2018_w43_cr ### Display start: 22-10-2018 00:00:00.000 ### Display end: 29-10-2018 00:00:00.000





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3 TC Failures

None.

4 On Board Anomalies

- The MIRAS instrument CMN, unit H3, unlocked on 2018-10-25T21:47:23.549z (DOY 298). This anomaly was geolocated over north side of Brazil:

Latitude = -3.38°

Longitude = 302.97°

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	WARN	2018-10-25T10:37:50	221E6BC
RAM single Bit Error	730	WARN	2018-10-24T10:33:31	2088590
RAM single Bit Error	730	WARN	2018-10-23T09:17:14	2079C50

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, with the following exceptions:

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

At the time of the CMN Unlock anomaly, the following two telemetry parameters went temporary Out of Limits on the FOS PLPC system:

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2018-10-26T03:59:24	2018-10-25T21:47:23	SPM13167	H3 LO_Locking	UNLOCK	LOCK
2018-10-26T03:59:24	2018-10-25T21:47:23	SPM13162	H3 LO_Out_Power	NOT-OK	OK