



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 47, year 2018

from 19 NOV 2018 to 26 NOV 2018

1.0

1 General Comments

Activities scheduled for this week are those planned for the 47th calendar week of 2018:

19 NOV 2018 to 26 NOV 2018 (DOYs 323 to 330).

The following routine activities were planned this week (see Gantt chart on next page and CRF 778).

- One PMS Offset on 22 NOV 2018 (DOY 326), including three Short Calibrations at 07:19:00.0z, 07:19:34.8z, and 07:20:09.6z (orbit 47588).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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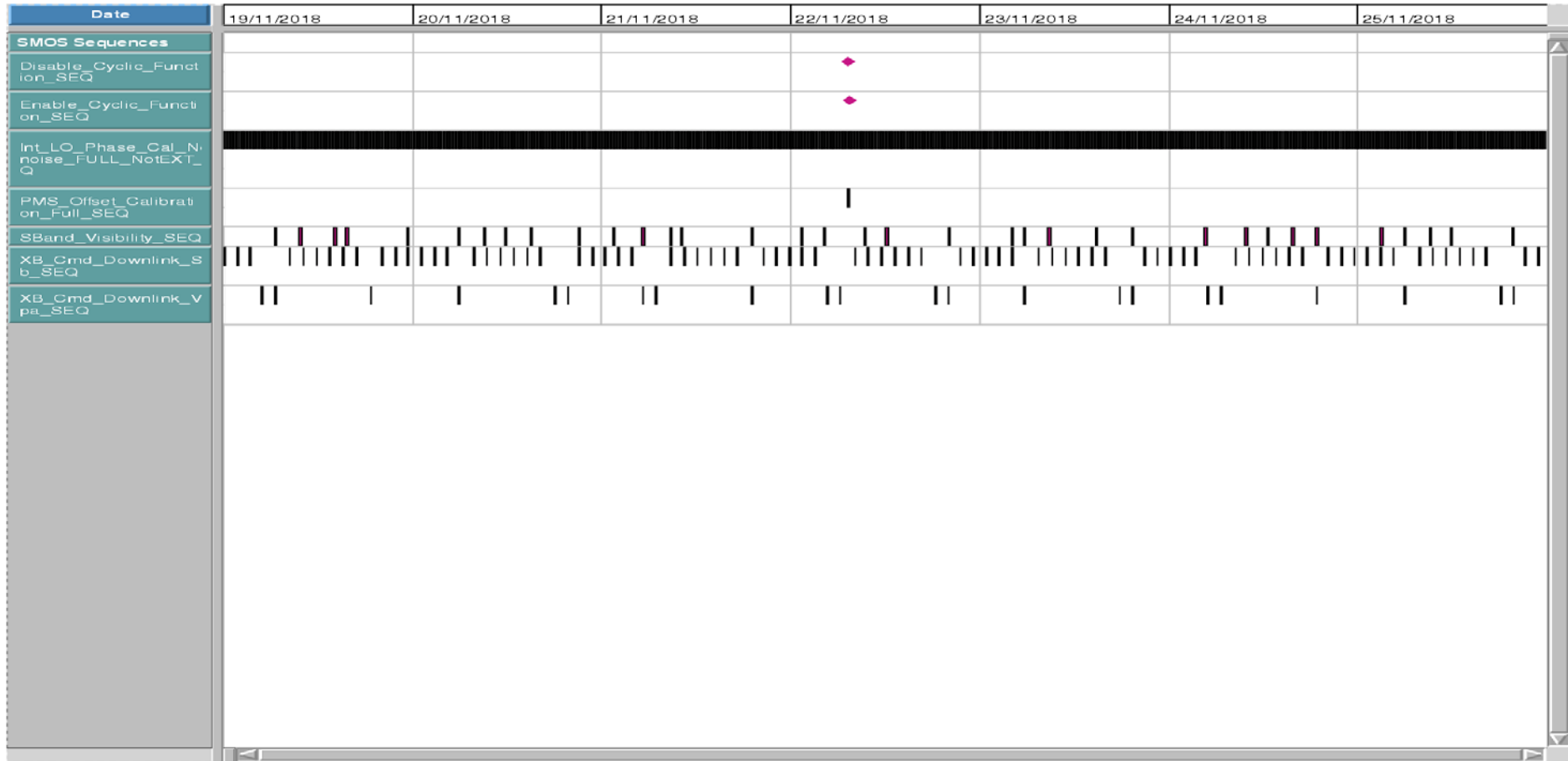
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Schedule Name: 2018_w47_cr ### Display start: 19-11-2018 00:00:00.000 ### Display end: 26-11-2018 00:00:00.000





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3 TC Failures

None.

4 On Board Anomalies

- The MIRAS instrument CMN, unit H3, unlocked on 2018-11-20T21:35:53.729z (DOY 324). This anomaly was geolocated over the State of Pará (Brazil; South Atlantic Anomaly):

Latitude = -5.49°

Longitude = 305.53°

Both parameters, output power SPM13162 and locking status SPM13167, went out of limits in the FOS PLPC system. The anomaly recovered in 9 epochs.

- The MIRAS instrument CMN, unit C3, unlocked on 2018-11-21T10:00:48,202z (DOY 325). This anomaly was geolocated over the State of Mato Grosso (Brazil; South Atlantic Anomaly):

Latitude = -15.00°

Longitude = 302.39°

Only parameter SPM22167, locking status, went out of limits in the FOS PLPC system. The anomaly recovered in 11 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	2018-11-23T09:53:37	224D240
RAM single Bit Error	730	WARN	2018-11-22T23:14:27	205B87C

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.



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10 AOB

None.



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APPENDIX A: OOLs

At the time of the CMN unlock of H3 unit on the 21st of November the following parameters went temporary out of limits on the FOS PLPC system.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2018-11-21T01:58:44	2018-11-20T21:35:48	SPM13162	H3 LO_Out_Power	NOT-OK	OK
2018-11-21T01:58:45	2018-11-20T21:35:53	SPM13167	H3 LO_Locking	UNLOCK	LOCK

The CMN unlock of C3 unit generated the following temporary out of limit on the FOS PLPC system.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2018-11-20T10:00:48	2018-11-20T19:24:11	SPM22167	C3 LO_Locking	UNLOCK	LOCK