



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 44, year 2018

from 29 OCT 2018 to 05 NOV 2018

1.0

1 General Comments

Activities scheduled for this week are those planned for the 44th calendar week of 2018:

29 OCT 2018 to 05 NOV 2018 (DOYs 302 to 309).

The following routine activities were planned this week (see Gantt chart on next page and CRF 773).

- One Warm NIR Calibration on 31 OCT 2018 (DOY 304) with ETO 16:58:31z (orbit 47277; ASCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.82°
R.M.S.	=	0.64
Sun elevation	=	9.98°
Moon elevation	=	55.40°
R.A.	=	132.24°
DEC.	=	-14.61°
- One PMS Offset on 01 NOV 2018 (DOY 305), including three Short Calibrations at 07:36:30.0z, 07:37:04.8z, and 07:37:39.6z (orbit 47286).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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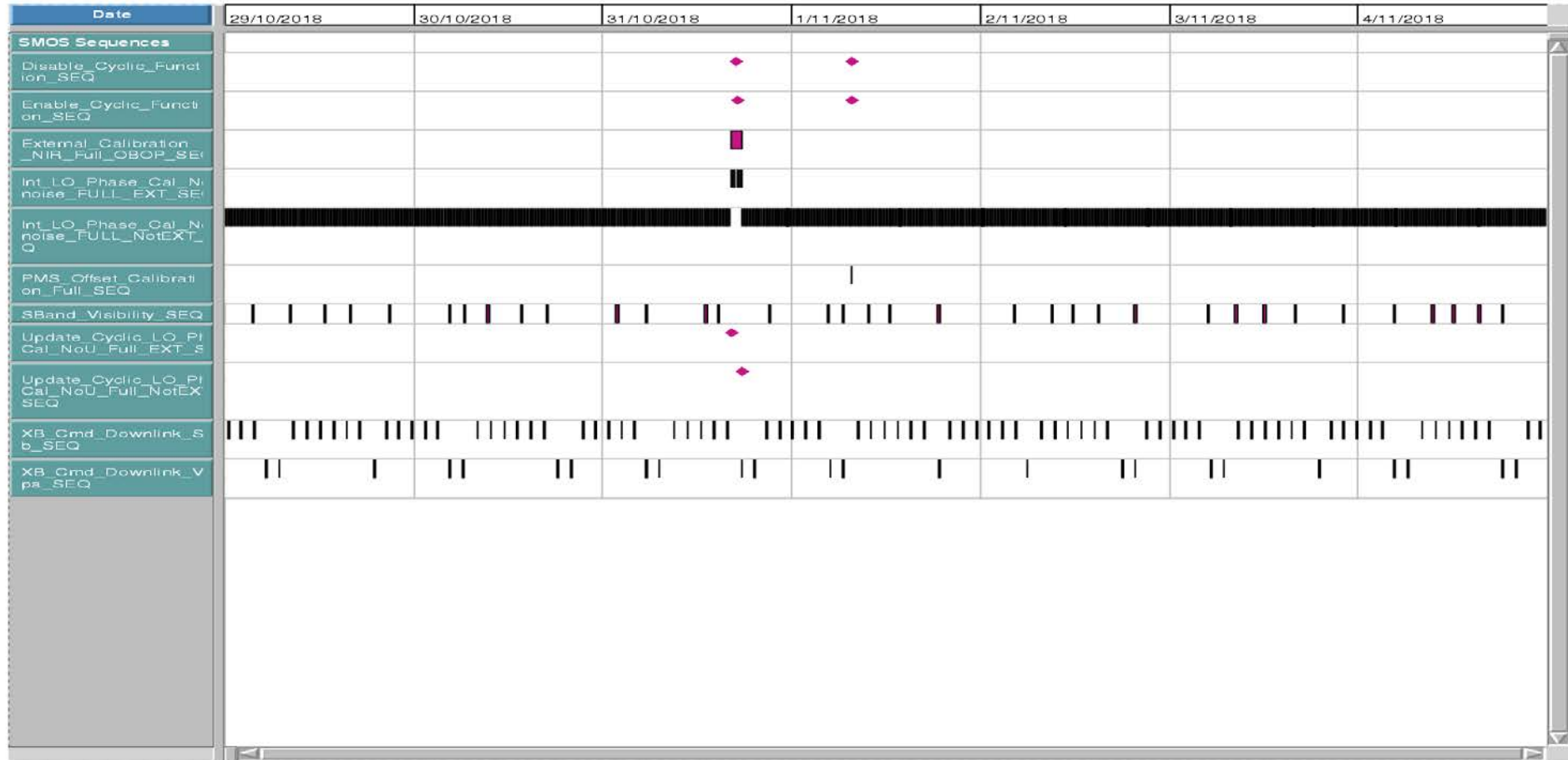
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Schedule Name: 2018_w44_cr ### Display start: 29-10-2018 00:00:00.000 ### Display end: 05-11-2018 00:00:00.000





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3 TC Failures

None.

4 On Board Anomalies

- The MIRAS instrument MM, partition P10, latched up on 2018-10-30T02:29:47.869z (DOY 303). The following parameters went out of limits in the PLPC system:

2018.303.02.29.47.869z DMASME02 LU Switch P10

2018.303.02.29.47.869z DMASME37 SDD LU Detected

This anomaly was geolocated over south west side of Indian Ocean

Latitude = -40.07°

Longitude= 60.01°

There were no science data losses associated with this anomaly because it affected partition P10 (spare partition). Recovery took place on 30 OCT 2018, at 14:00:00z (CRF 774). At the time of the anomaly the position of the MM pointers were as follows:

READ = 3112988 (partition P7)

WRITE = 3292180 (partition P7)

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	2018-10-30T07:56:14	23C2DF8

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

The following two Out of Limits were issued by the FOS PLPC system at the time of the Mass Memory Latch up of partition P10.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2018-10-30T05:12:47	2018-10-30T02:29:47	DMASME37	SDD LU Detected	FALSE	TRUE
2018-10-30T05:12:47	2018-10-30T02:29:47	DMASME02	LU Switch P10	OFF	ON