



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 13, year 2018

from 26 MAR 2018 to 02 APR 2018

1.0

1 General Comments

Activities scheduled for this week are those planned for the 13th calendar week of 2018:

26 MAR 2018 to 02 APR 2018 (DOYs 085 to 092).

The following routine activities were planned this week (see Gantt chart on next page and CRF 728).

- One PMS Offset on 29 MAR 2018 (DOY 088), including three Short Calibrations at 08:23:30.0z, 08:24:04.8z, and 08:24:39.6z (orbit 44164).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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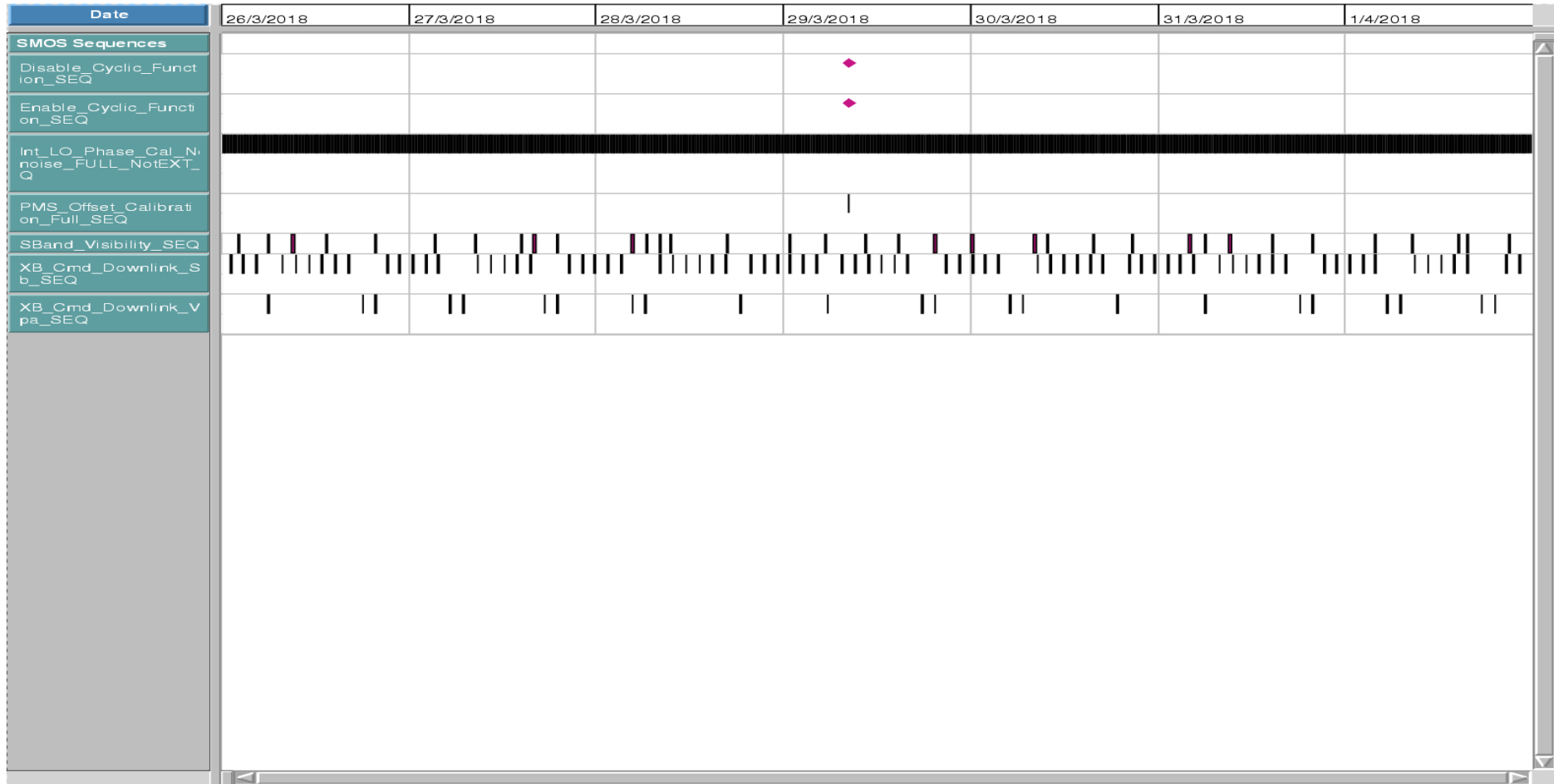
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Schedule Name: 2018_w13_cr ### Display start: 26-03-2018 00:00:00.000 ### Display end: 02-04-2018 00:00:00.000





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3 TC Failures

None.

4 On Board Anomalies

- The MIRAS instrument MM, partition P3, latched up on 2018-03-26T23:48:54.686z (DOY 085).

The following parameters went out of limits in the PLPC system:

2018.085.23.48.54.686z DMASME09 LU Switch P3
2018.085.23.48.54.686z DMASME37 SDD LU Detected

This anomaly was geolocated over the Indian shore of Antarctica, due SSW of Australia:

*Latitude = -66.47°
Longitude = 112.90°*

There were no science data losses associated with this anomaly (thanks to the overlap) because it affected partition P3, while the Read and Write pointers were both on partition P6.

Recovery took place on 27 MAR 2018, at 15:00:00z (CRF 729).

At the time of the anomaly the position of the MM pointers were as follows:

*READ = 2800930 (partition P6)
WRITE = 2955346 (partition P6)*

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	2018-04-01T22:57:49	2064888

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.



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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 MM Latch-up of partition P3, the following list of parameters went out of limits on the PLPC system.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2018-03-27T03:57:01	2018-03-26T23:48:54	DMASME09	LU Switch P3	OFF	ON
2018-03-27T03:57:01	2018-03-26T23:48:54	DMASME37	SDD LU Detected	FALSE	TRUE