



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 24, year 2018

from 11 JUN 2018 to 18 JUN 2018

1.0

1 General Comments

Activities scheduled for this week are those planned for the 24th calendar week of 2018:

11 JUN 2018 to 18 JUN 2018 (DOYs 162 to 169).

The following routine activities were planned this week (see Gantt chart on next page and CRF 746).

- One Warm NIR Calibration on 13 JUN 2018 (DOY 164) with ETO 05:10:30z (orbit 45256; DESCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.49°
R.M.S.	=	0.10
Sun elevation	=	9.31°
Moon elevation	=	-1.07°
R.A.	=	178.88°
DEC.	=	40.18°
- One PMS Offset on 14 JUN 2018 (DOY 165), including three Short Calibrations at 08:26:00.0z, 08:26:34.8z, and 08:27:09.6z (orbit 45272).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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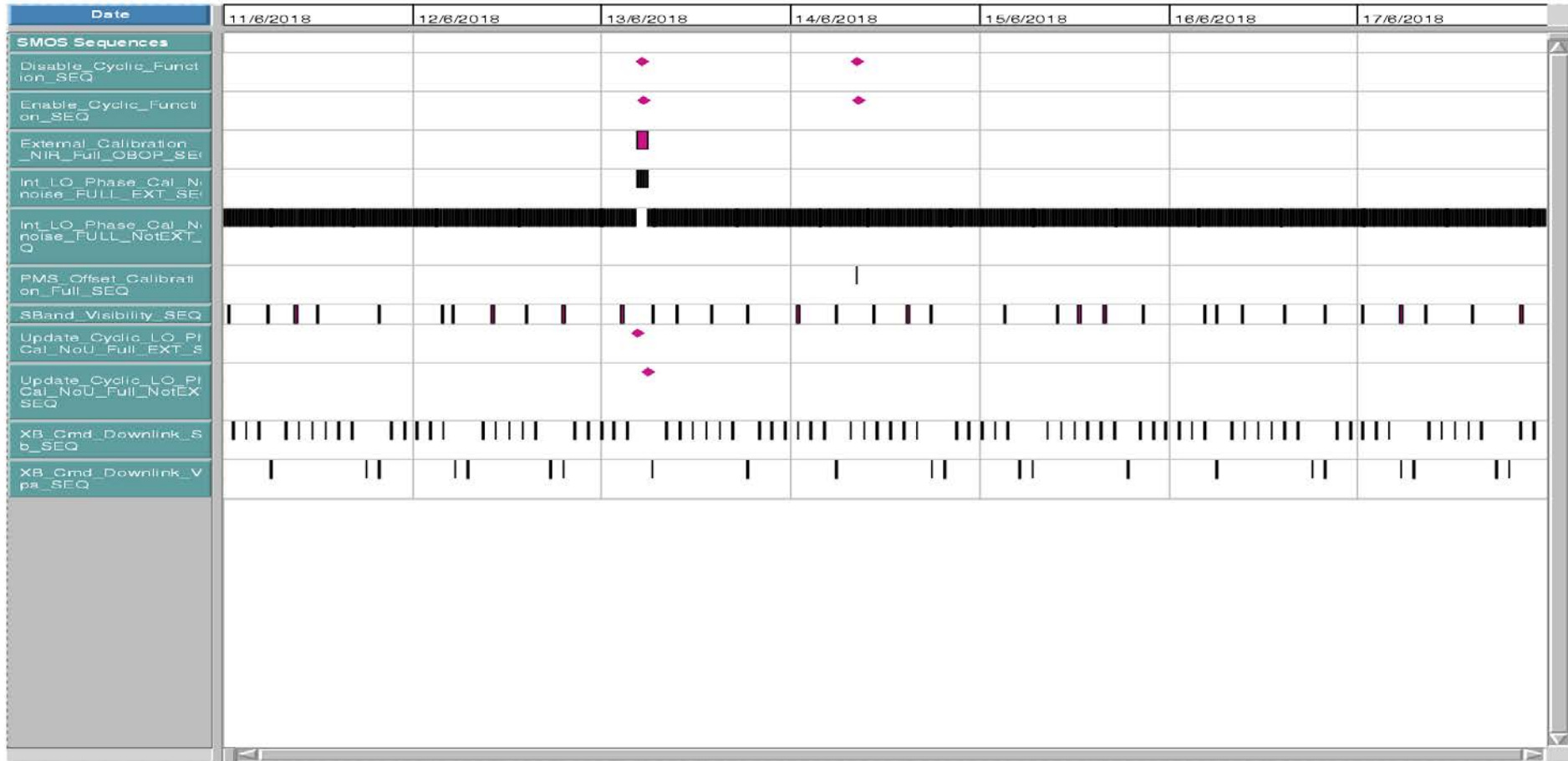
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Schedule Name: 2018_w24_cr ### Display start: 11-06-2018 00:00:00.000 ### Display end: 18-06-2018 00:00:00.000





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3 TC Failures

None.

4 On Board Anomalies

- The MIRAS instrument CMN, unit H3, unlocked on 2018-06-14T08:44:59.993z (DOY 165).

This anomaly was geolocated in the Southwest Atlantic:

Latitude = -28.75°

Longitude = 323.70°

Both parameters, output power SPM13162 and locking status SPM13167, went out of limits in the FOS PLPC system. The anomaly recovered by itself after a few seconds.

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	2018-06-12T11:37:00	2218C68

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.

10 AOB

None.



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APPENDIX A: OOLs

On the 14th of June at the time of the CMN Unlock of unit H3, the following Out of Limits were issued by the FOS PLPC system.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2018-06-14T11:07:29	2018-06-14T08:44:55	SPM13162	H3 LO_Out_Power	NOT-OK	OK
2018-06-14T11:07:30	2018-06-14T08:44:59	SPM13167	H3 LO_Locking	UNLOCK	LOCK