



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 36, year 2018**

from 03 SEP 2018 to 10 SEP 2018

**1.0**

## 1 General Comments

Activities scheduled for this week are those planned for the 36<sup>th</sup> calendar week of 2018:

03 SEP 2018 to 10 SEP 2018 (DOYs 246 to 253).

The following routine activities were planned this week (see Gantt chart on next page and CRF 762).

- One Warm NIR Calibration on 05 SEP 2018 (DOY 248) with ETO 14:44:35z (orbit 46470; DESCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.97°
R.M.S.	=	0.81
Sun elevation	=	1.87°
Moon elevation	=	4.18°
R.A.	=	91.72°
DEC.	=	-62.83°
- One PMS Offset on 06 SEP 2018 (DOY 249), including three Short Calibrations at 05:36:00.0z, 05:36:34.8z, and 05:37:09.6z (orbit 46479).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

## 2 Mission Planning Deviations

None.



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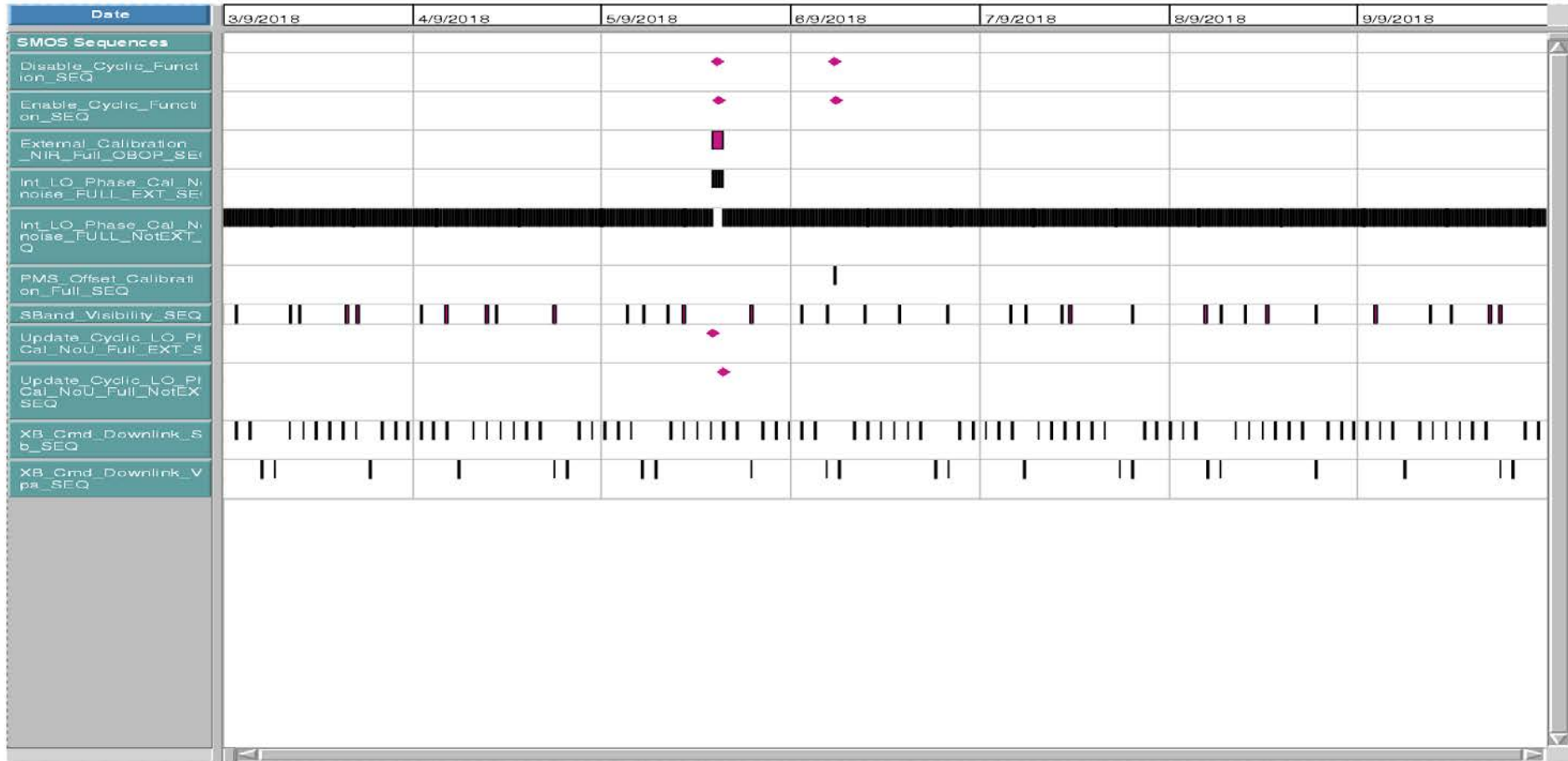
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Schedule Name: 2018\_w36\_cr ### Display start: 03-09-2018 00:00:00.000 ### Display end: 10-09-2018 00:00:00.000





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### 3 TC Failures

None.

### 4 On Board Anomalies

- The MIRAS instrument CMN, unit H1, unlocked on 2018-09-03T11:16:08.610z (DOY 246). This anomaly was geolocated off the coast of Pisco (Perú; South Atlantic Anomaly):

*Latitude= -14.45°*

*Longitude= 283.46°*

Both parameters, output power SPM11162 and locking status SPM11167, went out of limits in the FOS PLPC system. The anomaly recovered by itself after in 2 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	2018-09-07T22:19:26	2141A58
RAM single Bit Error	730	WARN	2018-09-03T13:55:25	2233770

### 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 3<sup>rd</sup> of September and at the time of the CMN H1 unlock, the following two Out of Limits were issued by the FOS PLPC system:

<b>GS_TIME</b>	<b>OB_TIME</b>	<b>PARAMETER</b>	<b>DESCRIPTION</b>	<b>OOL Value</b>	<b>Check Value</b>
2018-09-03T16:08:50	2018-09-03T11:16:08	SPM11162	H1 LO_Out_Power	NOT-OK	OK
2018-09-03T16:08:50	2018-09-03T11:16:09	SPM11167	H1 LO_Locking	UNLOCK	LOCK