



## Operations Notes

FOS Team @ ESAC

Reported by:

J.M. Castro Cerón

Topic:

Date:

Issue:

**FOS Report for week 32, year 2018**

from 06 AUG 2018 to 13 AUG 2018

**1.0**

## 1 General Comments

Activities scheduled for this week are those planned for the 32<sup>nd</sup> calendar week of 2018:

06 AUG 2018 to 13 AUG 2018 (DoYs 218 to 225).

The following routine activities were planned this week (see Gantt chart on next page and CRF 758).

- One FTR Calibration (see Sect. 10) on 06 AUG 2018 (DoY 218) with ETO 03:48:08z (orbit 46032; DESCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	4.58°
R.M.S.	=	1.82
Sun elevation	=	-3.19°
Moon elevation	=	-67.04°
R.A.	=	219.73°
DEC.	=	-29.87°

- One Warm NIR Calibration on 08 AUG 2018 (DoY 220) with ETO 05:30:24z (orbit 46062; DESCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.81°
R.M.S.	=	0.24
Sun elevation	=	5.89°
Moon elevation	=	-20.90°
R.A.	=	234.23°
DEC.	=	41.12°

- One PMS Offset on 09 AUG 2018 (DoY 221), including three Short Calibrations at 07:06:00.0z, 07:06:34.8z, and 07:07:09.6z (orbit 46077).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

## 2 Mission Planning Deviations

None.



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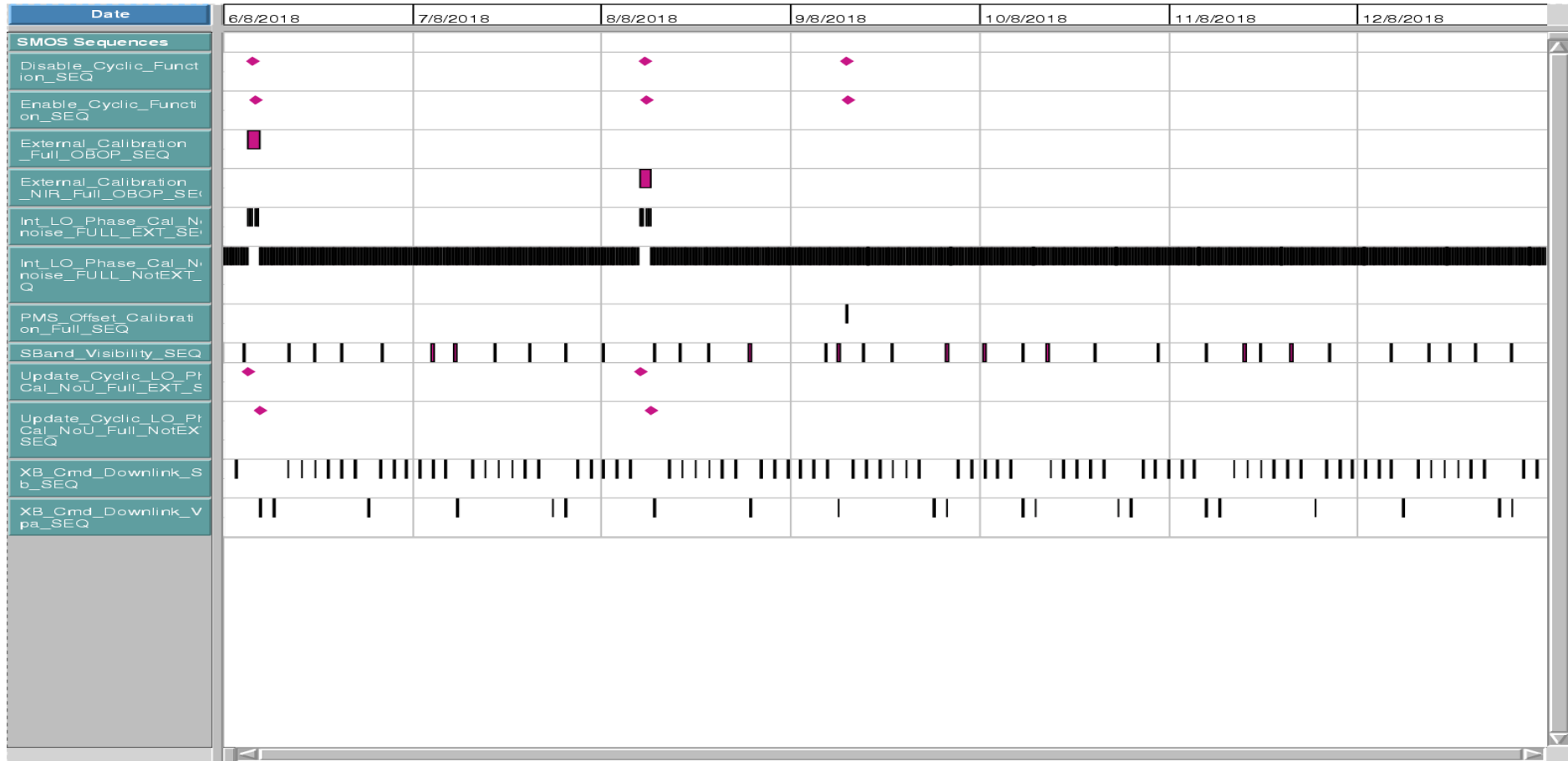
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Schedule Name: 2018\_w32\_cr ### Display start: 06-08-2018 00:00:00.000 ### Display end: 13-08-2018 00:00:00.000





### 3 TC Failures

None.

### 4 On Board Anomalies

None.

### 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	WARNING	2018.218.04.29.39,196	2283650
RAM Single Bit Error	730	WARNING	2018.219.21.37.59,930	2341B84
RAM Single Bit Error	730	WARNING	2018.222.19.54.49,334	20072E8
RAM Single Bit Error	730	WARNING	2018.224.22.16.04,395	23COF00

### 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, with the following exceptions:

- The following S band GS passes:

STATION	PASS	AoS	LoS
ASX	11	2018.222.05.19.15	2018.222.05.33.57
KUX	06	2018.222.08.30.20	2018.222.08.43.16
STC	09	2018.223.04.41.05	2018.223.04.55.21
ASX	12	2018.224.04.03.34	2018.224.04.16.31

were not disseminated as planned because of a CNES network issue with the S band stations. Consequently, HKTm for the above passes was delivered late to FOS with no impact on the PLPC systems.

There were no gaps generated in the SMTA-MUST DBs. The TCO function did not require a cold restart as the late delivery occurred, in all cases, before the next scheduled pass. The PXMF system was used in the interim to monitor MIRAS status.



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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**

- A special FTR calibration was included this week for the purpose of completing the L band sky map created by CESBIO. The pointing was selected on criteria to close the map, and not to calibrate MIRAS.