



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 17, year 2018**

from 23 APR 2018 to 30 APR 2018

**1.0**

### 1 General Comments

Activities scheduled for this week are those planned for the 17<sup>th</sup> calendar week of 2018:

23 APR 2018 to 30 APR 2018 (DoYs 113 to 120).

The following routine activities were planned this week (see Gantt chart on next page and CRF 734).

- One PMS Offset on 26 APR 2018 (DoY 116), including three Short Calibrations at 06:53:30.0z, 06:54:04.8z, and 06:54:39.6z (orbit 44566).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

### 2 Mission Planning Deviations

None.



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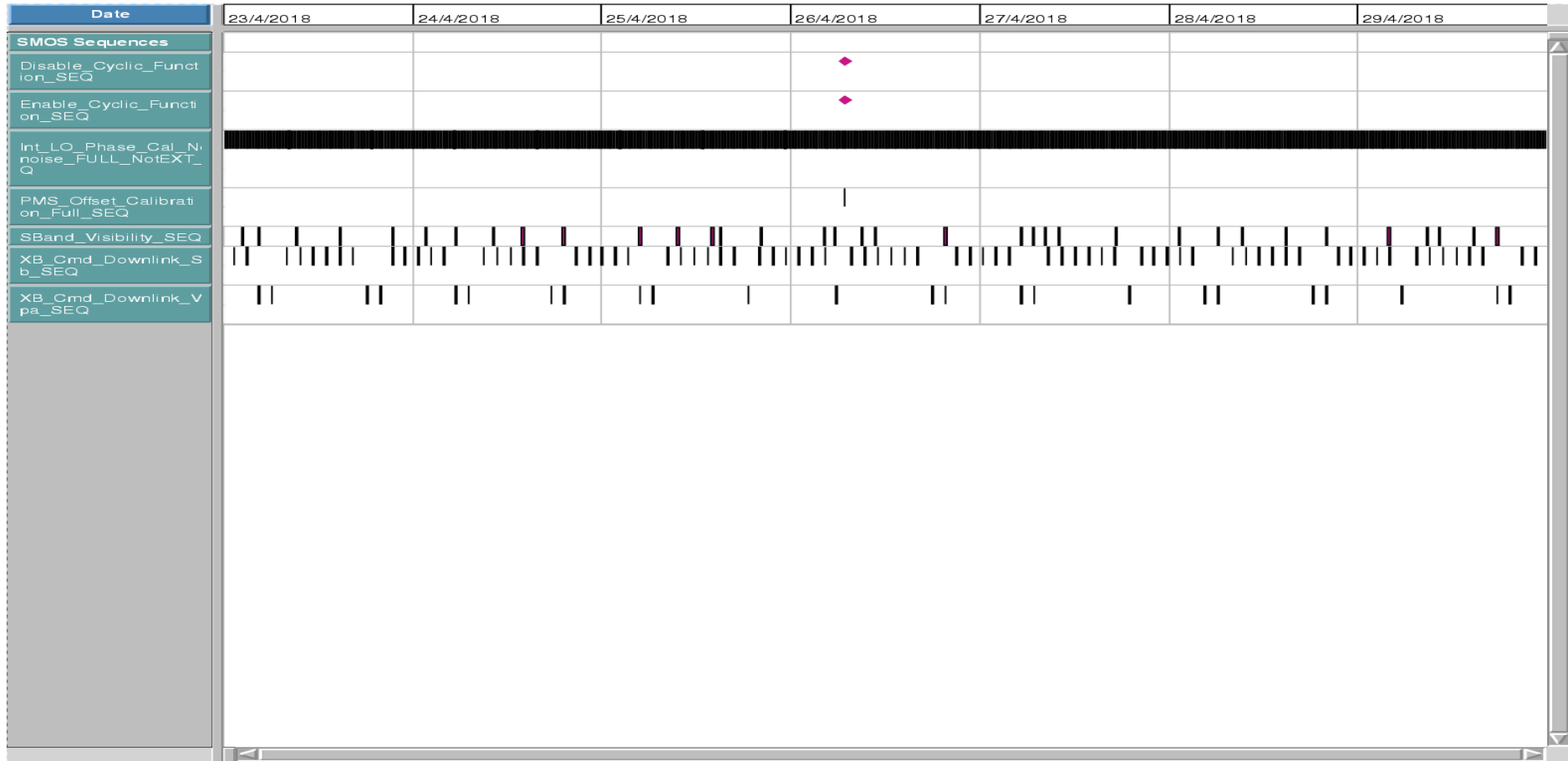
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Schedule Name: 2018\_w17\_cr ### Display start: 23-04-2018 00:00:00.000 ### Display end: 30-04-2018 00:00:00.000





### 3 TC Failures

None.

### 4 On Board Anomalies

- A MM double bit error impacted partition P2 on 2018-04-27T10:27:25,864z.

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

*2018.117.10.27.25,864 DMASME41 DB Err In P2*

This anomaly was geolocated on the Artic Ocean, due north of the Bering Strait:

*LAT. = 80.99°  
LONG. = 182.05°*

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

*READ = 1946851 (partition P4)  
WRITE = 2035534 (partition P4)*

There was no science data losses associated with this anomaly because it affected P2 while both, Read and Write, pointers were on P4 (i.e. the data in the affected partition had already been downloaded to ground and not yet rewritten).

The anomaly recovered by itself after a few seconds, with no operational action being required.

### 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	2018.113.11.39.09,761	2115918
RAM Single Bit Error	730	WARNING	2018.117.11.08.15,571	21C6700

### 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

The following OOLs befell at the time the MIRAS instrument MM, partition P2, was impacted by a double bit error 2018-04-27T10:27:25,864z (OBT; DoY 117):

<b>GS_TIME</b>	<b>OB_TIME</b>	<b>PARAMETER</b>	<b>DESCRIPTION</b>	<b>OOL Value</b>	<b>Check Value</b>
2018-04-27T17:45:59,139	2018-04-27T10:27:25,864	DMASME41	DB Err In P2	FALSE	TRUE