



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 23, year 2018**

from 04 JUN 2018 to 11 JUN 2018

**1.0**

### 1 General Comments

Activities scheduled for this week are those planned for the 23<sup>rd</sup> calendar week of 2018:

04 JUN 2018 to 11 JUN 2018 (DOYs 155 to 162).

The following routine activities were planned this week (see Gantt chart on next page and CRF 744).

- One PMS Offset on 07 JUN 2018 (DOY 158), including three Short Calibrations at 07:58:30.0z, 07:59:04.8z, and 07:59:39.6z (orbit 45171).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

### 2 Mission Planning Deviations

- A Collision Avoidance Manoeuvre (CAM) was executed on the 6<sup>th</sup> of June 2018 at 03:16:37z. The MIRAS on-board timeline had to be disabled and the instrument science data flagged with “external APID” during the whole duration of the manoeuvre, 8232 seconds, from 03:16:37z to 05:33:49z. Because of this CAM the Svalbard X Band pass with AOS on 2018-06-06T04:21:19z was suppressed by disabling the MIRAS ITL.



# Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

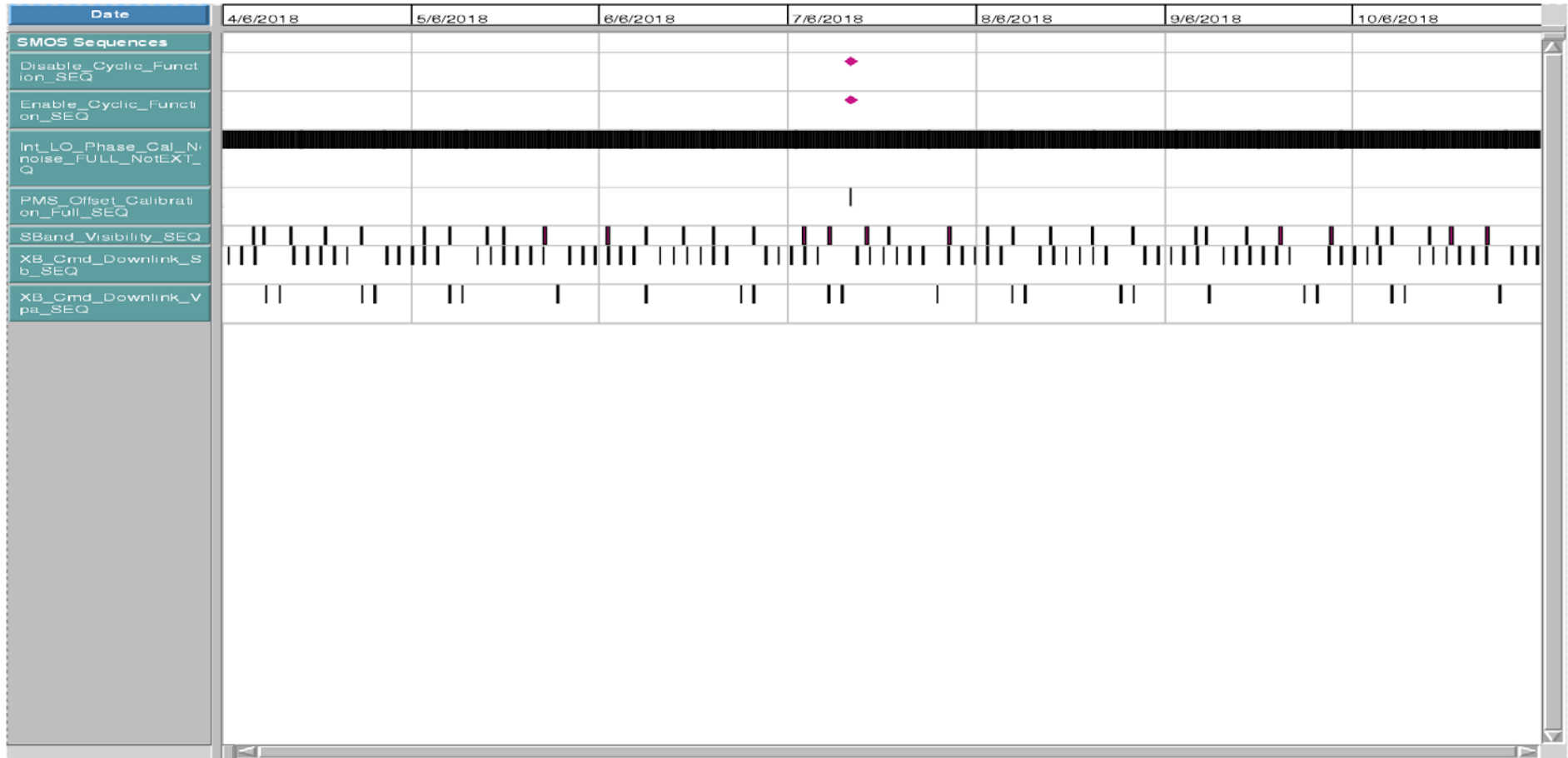
Issue:

**FOS Report for week 23, year 2018**

from 04 JUN 2018 to 11 JUN 2018

**1.0**

Schedule Name: 2018\_w23\_cr ### Display start: 04-06-2018 00:00:00.000 ### Display end: 11-06-2018 00:00:00.000





## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 23, year 2018**

from 04 JUN 2018 to 11 JUN 2018

**1.0**

### 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	WARN	2018-06-05T06:02:09	2088FF8

### 6 FOS Systems Status

EOP-PES section performed the semi-annual check of the SMOS *Orbit Scenario File*, the result of which turned out negative (i.e. no changes required).

### 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

The ones related with the unexpected Collision Avoidance Manoeuvre on the 6<sup>th</sup> of June.

### 10 AOB

None.



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

**FOS Report for week 23, year 2018**

Date:

from 04 JUN 2018 to 11 JUN 2018

Issue:

**1.0**

## APPENDIX A: OOLs

As part of the CAM payload operations, the following expected OOL was issued by the FOS PLPC system at the time the MIRAS on board ITL was made disabled.

<b>GS_TIME</b>	<b>OB_TIME</b>	<b>PARAMETER</b>	<b>DESCRIPTION</b>	<b>OOL Value</b>	<b>Check Value</b>
2018-06-06T06:25:54	2018-06-06T03:23:23	NTLHK022	ITL Ena State	Disabled	Enabled