



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 20, year 2016**

from 16 MAY 2016 to 23 MAY 2016

**1.0**

## 1 General Comments

Activities scheduled for this week are those planned for the 20<sup>th</sup> calendar week of 2016:

16 MAY 2016 to 23 MAY 2016 (DoYs 137 to 144).

The following routine activities were planned this week (see Gantt chart on next page and CRF 571):

- One Warm NIR Calibration on 18 MAY 2016 (DoY 139) with ETO 07:20:00z (orbit 34379 and with the following expected calibration values:

B.T.	= 3.5298°
R.M.S.	= 0.1092
Sun Elevation	= 5.1681°
Moon elevation	= 31.8119°
R.A.	= 151.380°
DEC.	= 31.650°
- Two LONG Calibrations on 19 MAY 2016 (DoY 140), which encompassed two orbital periods starting at 15:36:00,0z (orbit 34398) and 17:16:00,0z (orbit 34399).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

## 2 Mission Planning Deviations

None.



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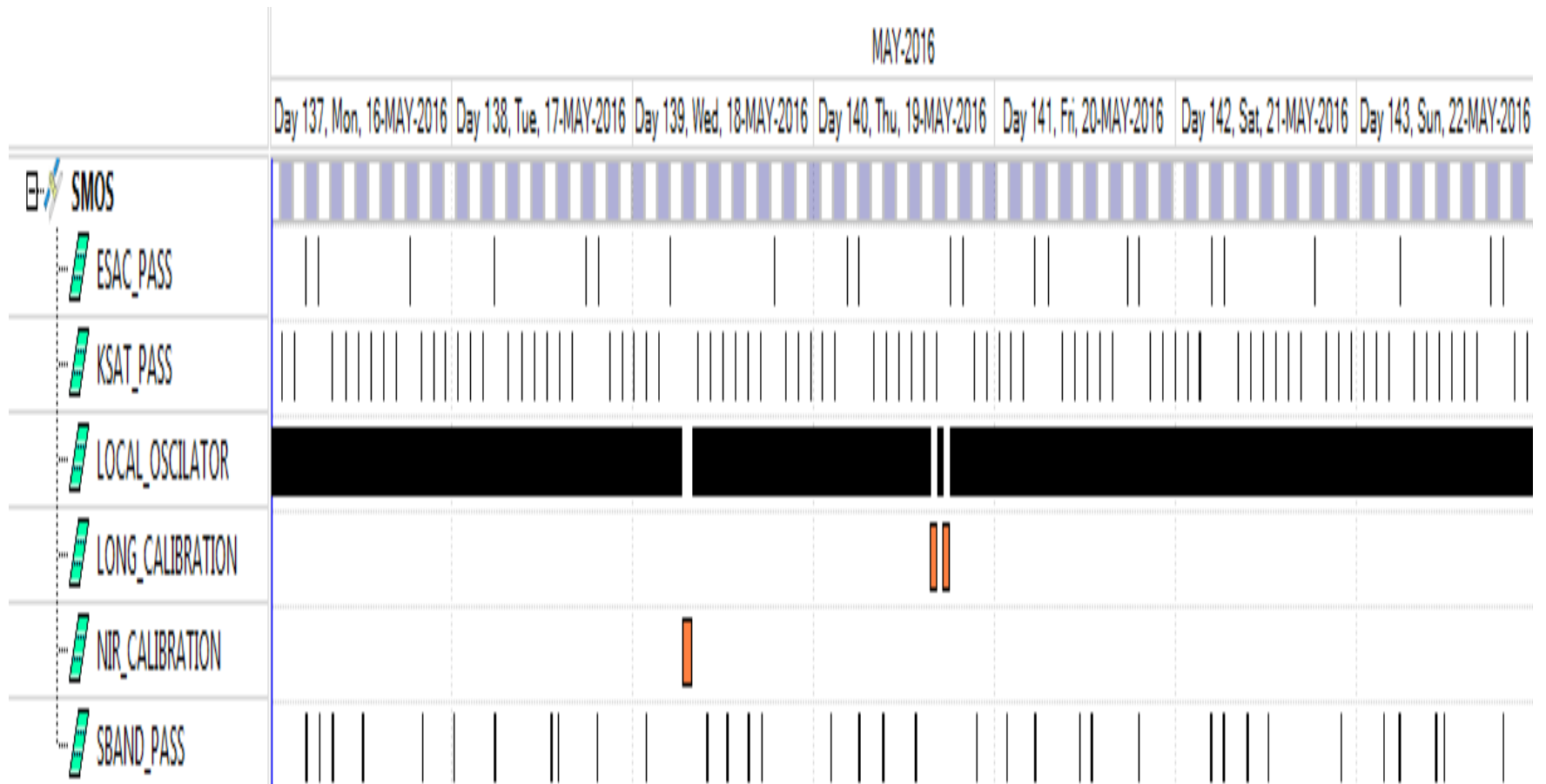
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### 3 TC Failures

None.

### 4 Unforeseen Out of Limits (OOLs)

None.

### 5 On Board Anomalies

None.

### 6 On Board Events Telemetry

The following RAM Single Bit errors befell this week:

Event Description	Severity	Event Time	Parameters
RAM single Bit Error	WARN	2016.140.09.17.56.445	23AA41C
RAM single Bit Error	WARN	2016.142.10.01.25.745	2008A34
RAM single Bit Error	WARN	2016.142.20.33.16.520	21B9F88

### 7 FOS Systems Status

All FOS systems nominal with exception of:

- The ISDN line used as backup communication line between CNES and FOS, was down from the 10<sup>th</sup> to the 19<sup>th</sup> of May. The problem was caused by a breakdown of the Telefónica switchboard at Villanueva del Pardillo (Spain)

### 8 Data Reception from CNES

All S band passes were correctly received from CNES and successfully processed by the FOS PLPC.

### 9 X Band Data Reception in PXMF

None, all S band passes successfully received and processed.

### 10 Exceptional Activities

None.

### 11 AOB

None.

### APPENDIX A: OOLs

No relevant Out of Limits were received this week.