



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 34, year 2016**

from 22 AUG 2016 to 29 AUG 2016

**1.0**

## 1 General Comments

Activities scheduled for this week are those planned for the 34<sup>th</sup> calendar week of 2016:

22 AUG 2016 to 29 AUG 2016 (DoYs 235 to 242).

The following routine activities were planned this week (see Gantt chart on next page and CRF 597):

- One Warm NIR Calibration on 24 AUG 2016 (DoY 237) with ETO 03:43:30z (orbit 35787) and with the following expected calibration values:

B.T.	= 4.0359°
R.M.S.	= 0.4234
Sun Elevation	= 1.9801°
Moon elevation	= -37.0210°
R.A.	= 249.14°
DEC.	= 37.17°
- One PMS Offset on 25 AUG 2016 (DoY 238), including three Short Calibrations at 03:41:00,0z, 03:41:34,8z, and 03:42:09,6z (orbit 35801).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

## 2 Mission Planning Deviations

None.



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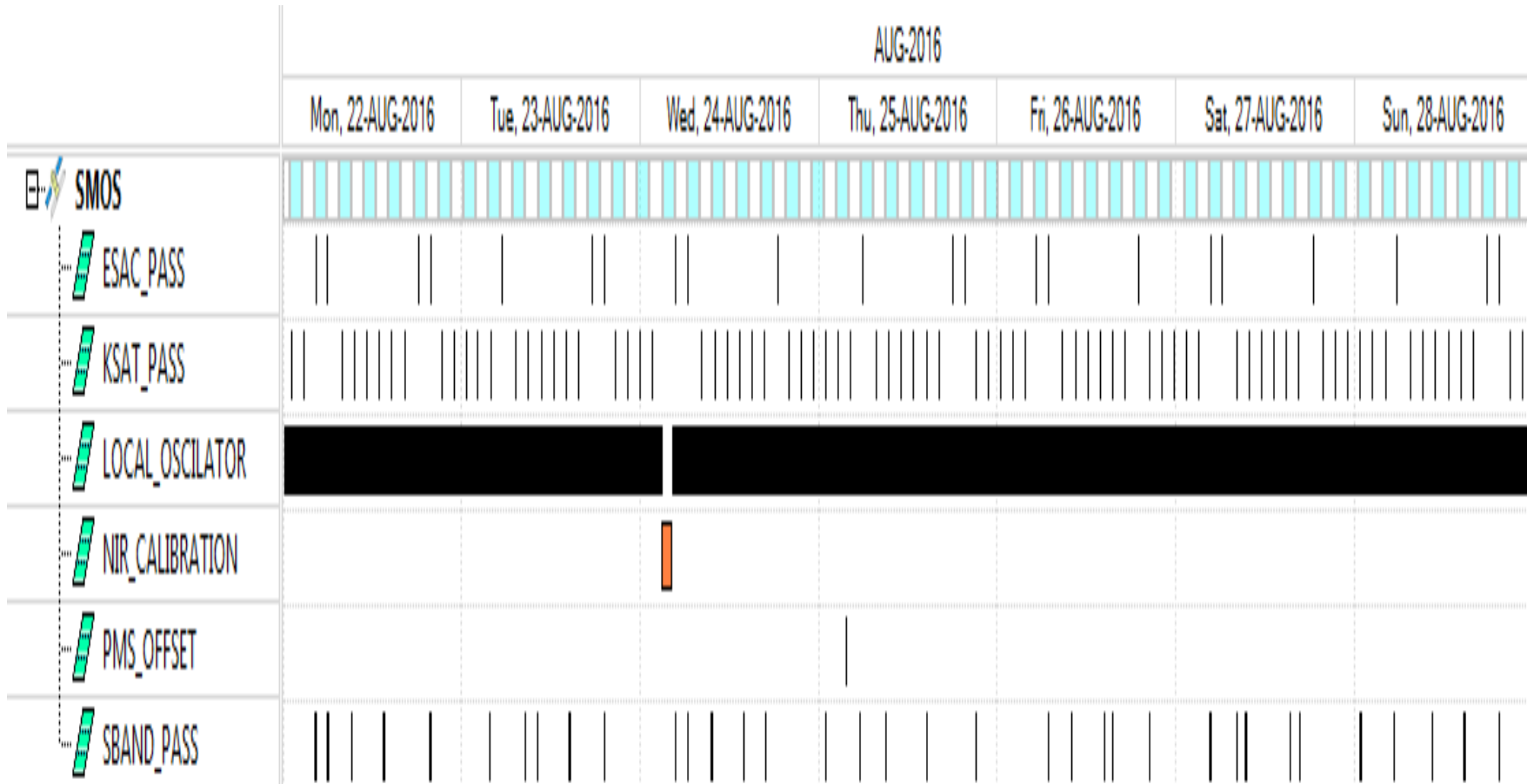
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### 3 TC Failures

None.

### 4 Unforeseen Out of Limits (OOLs)

Two MIRAS parameters went Out of limits at the time of the Mass Memory Latch-up that happened on the 27<sup>th</sup> of August (See Appendix-A for further details)

### 5 On Board Anomalies

- A new MIRAS Mass Memory Latch-up happened for partition P11 on the 27<sup>th</sup> of August at 17:15:05.022z. The recovery was performed on the 29<sup>th</sup> of August at 10:05z via CRF 599. No impact on science data did happen since the affected partition was one of the spare partitions. The geolocation of the event was over the South Atlantic Ocean at the following geographical coordinates:

Latitude = -61.371951°

Longitude = 355.535532°

### 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	2016.239.10.59.02.099	22B0EDC

### 7 FOS Systems Status

All FOS systems nominal.

### 8 Data Reception from CNES

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

### 9 X Band Data Reception in PXMF

None, all S band passes successfully received and processed.

### 10 Exceptional Activities

None.

### 11 AOB

None.



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## APPENDIX A: OOLs

The following two out of limits were received at the time of the Mass Memory latch up anomaly on the 27<sup>th</sup> of August

<b>GS_TIME</b>	<b>OBTIME</b>	<b>PARAMETER</b>	<b>DESCRIPTION</b>	<b>OOL Value</b>	<b>Check Value</b>
2016.241.01.17.15.791	2016.240.17.15.05.022	DMASME01	LU Switch P11	OFF	ON
2016.241.01.17.15.789	2016.240.17.15.05.022	DMASME37	SDD LU Detected	FALSE	TRUE