



Operations Notes

FOS Team @ ESAC

Reported by:

J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 31

from 27/07/15 to 03/08/15

1.0

1 General Comments

The activities scheduled for this week are those planned for calendar week 31 of year 2015, from 2015-07-27 to 2015-08-03 (DoYs 208 to 215.)

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

- One PMS Offset including three Short Calibrations on day 2015-07-30 (DoY 211) at 16:17:31.0z, 16:18:05.8z, and 16:18:40.6 (orbit 30168).
- Local Oscillator Calibration every 10 minutes.
- X-band passes over ESAC and Svalbard.

2 Mission Planning Deviation

No deviations from the nominal planning this week.



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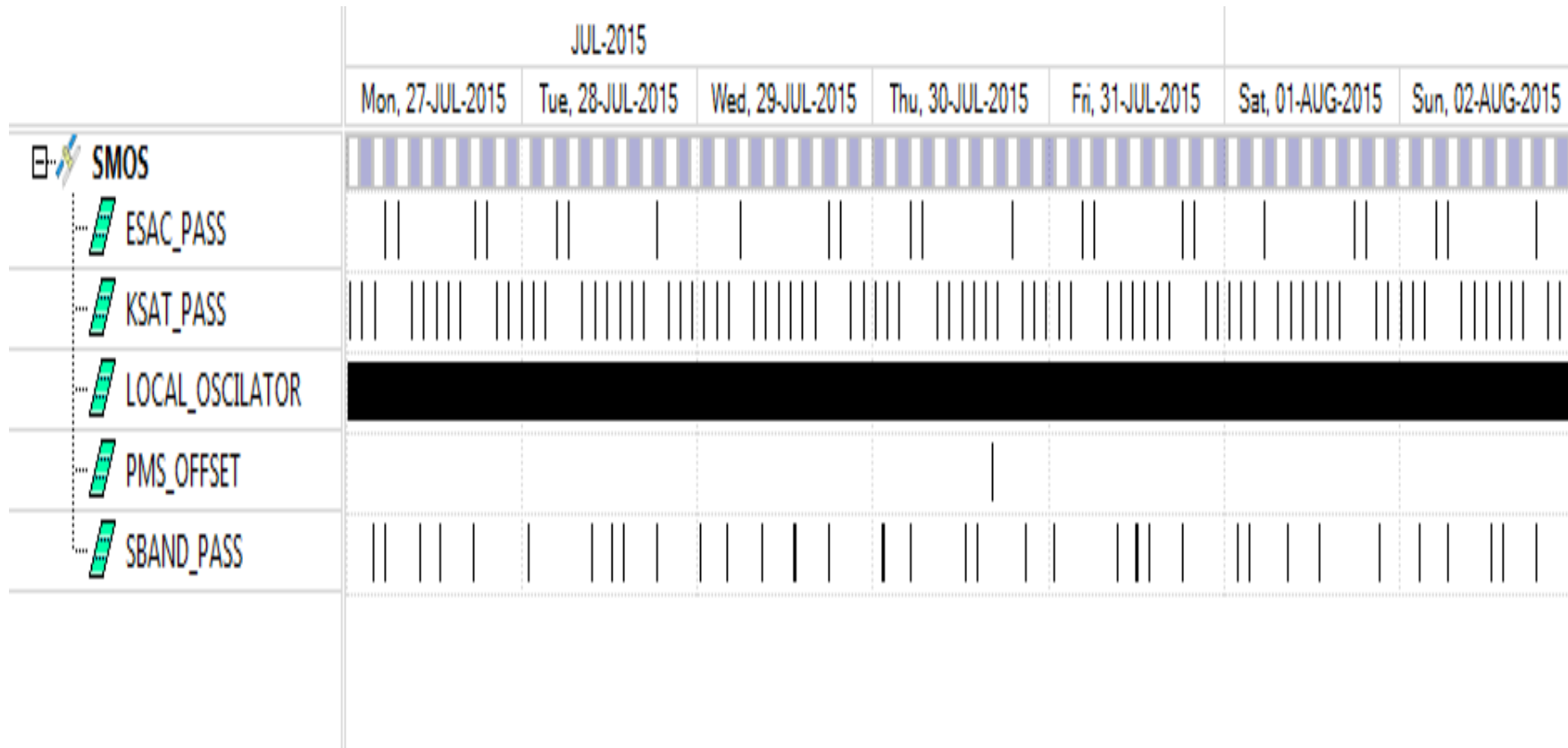
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3 TC Failures

None.

4 Unforeseen Out Of Limits (OOLs)

Two OOLs were received this week at the time of the MM latch-up on 2015-07-130 (See Appendix-A for further details).

5 On Board Anomalies

- A new Mass Memory latch-up anomaly impacted partition P8 on 2015-07-30T07:50:06.644z. This anomaly was geolocated off the coast of Antarctica, due south of Australia. Geographical coordinates were as follows:

Long. = 139.661907

Lat. = -56.341511

No loss of science data was suffered as a consequence of this anomaly. Recovery took place on 2015-07-31T15:05:00z, via CRF 512.

6 Telemetry On Board Events in the period.

The following RAM Single bit errors were received this week:

Event Description	Severity	Event Time	Parameters
RAM single Bit Error	WARN	2015.212.20.27.27.606	219C024
RAM single Bit Error	WARN	2015.211.21.57.29.230	23431A4
RAM single Bit Error	WARN	2015.209.22.21.14.368	201931C

7 FOS System Status

All FOS systems were nominal for this reporting period.

8 Data Reception from CNES

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

9 X-Band Data Reception in PXMF

Not used this week; all S band passes were successfully received and processed by the FOS PLPC system.

10 Exceptional Activities

None.



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11 AOB

None.



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APPENDIX A: OOL's

The following Out of Limits were received this week at the time of the MM latch-up, 2015-07-30T07:50:06.644:

GS_TIME	OBTIME	PARAMETER	DESCRIPTION
2015.211.13.28.33.782	2015.211.07.50.06.644	DMASME04	LU Switch P8
2015.211.13.28.33.779	2015.211.07.50.06.644	DMASME37	SDD LU Detected