



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 41, year 2016

from 10 OCT 2016 to 17 OCT 2016

1.0

1 General Comments

Activities scheduled for this week are those planned for the 41st calendar week of 2016:

10 OCT 2016 to 17 OCT 2016 (DOYs 284 to 291).

The following routine activities were planned this week (see Gantt chart on next page and CRF 610):

- Two LONG Calibrations on 13 OCT 2016 (DoY 287), which encompassed two orbital periods starting at 15:13:15,0z (orbit 36513) and 16:53:15,0z (orbit 36514).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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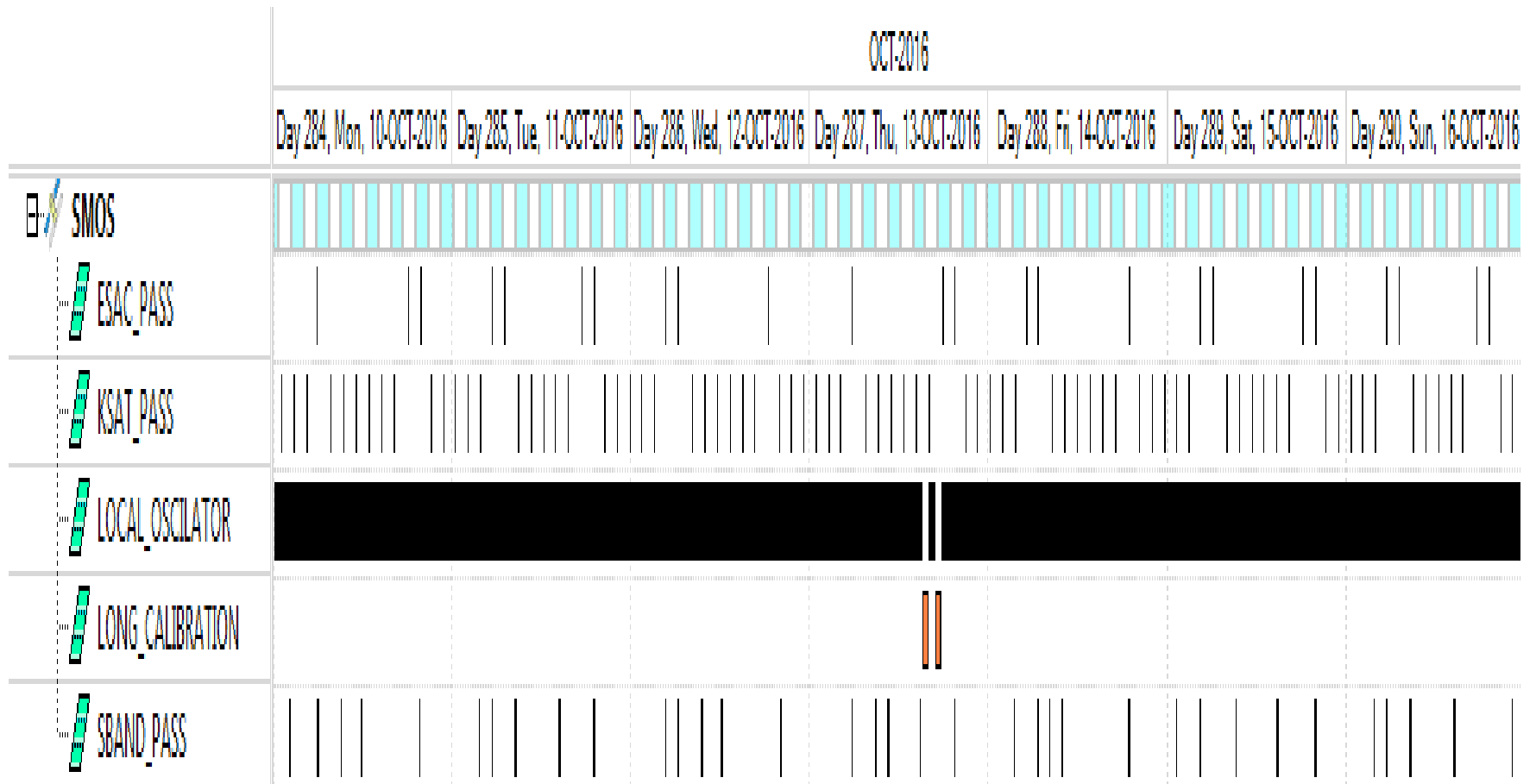
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3 TC Failures

None.

4 Unforeseen Out of Limits (OOLs)

Two foreseen OOLs were received at the time of the Mass Memory latch-up of partition P1 that happened on the 14th of October (see section 5 and Appendix-A for further details)

5 On Board Anomalies

- A new Mass Memory latch-up happened for partition P1 on day 2016-10-14T21:00:11.237z (DOY 288). At the time of the anomaly positions of the two Mass Memory Pointers were as follows:

Read Pointer= 3200512 (MM Partition P7)

Write Pointer= 3295818 (MM Partition P7)

No science data losses happened for this anomaly. The latch-up was recovered on the 18th of October at 09:35z (CRF-612).

The geolocation of the event was over the North-East coast of Argentina at the following geographical coordinates:

Longitude=308°.258554

Latitude=-38°.306328

6 On Board Events Telemetry

No relevant onboard events were received during this week.

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.



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11 AOB

None.



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APPENDIX A: OOLs

The following Out of Limits were received on PLPC system at the time of the Mass Memory latch-up on partition P1 on the 14th of October 2016.

GS_TIME	OBTIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2016.289.01.50.47.249	2016.288.21.00.11.237	DMASME11	LU Switch P1	OFF	ON
2016.289.01.50.47.248	2016.288.21.00.11.237	DMASME37	SDD LU Detected	FALSE	TRUE