



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 40, year 2016

from 03 OCT 2016 to 10 OCT 2016

1.0

1 General Comments

Activities scheduled for this week are those planned for the 40th calendar week of 2016:

03 OCT 2016 to 10 OCT 2016 (DOYs 277 to 284).

The following routine activities were planned this week (see Gantt chart on next page and CRF 607):

- One Warm NIR Calibration on 05 OCT 2016 (DOY 279) with ETO 15:40:07z (orbit 36398) and with the following expected calibration values:

B.T.	=	3.9357°
R.M.S.	=	0.6307
Sun Elevation	=	9.9900°
Moon elevation	=	-23.5766°
R.A.	=	110.18°
DEC.	=	-33.37°
- One PMS Offset on 06 OCT 2016 (DoY 280), including three Short Calibrations at 06:23:00.0z, 06:23:34.8z, and 06:24:09.6z (orbit 36407).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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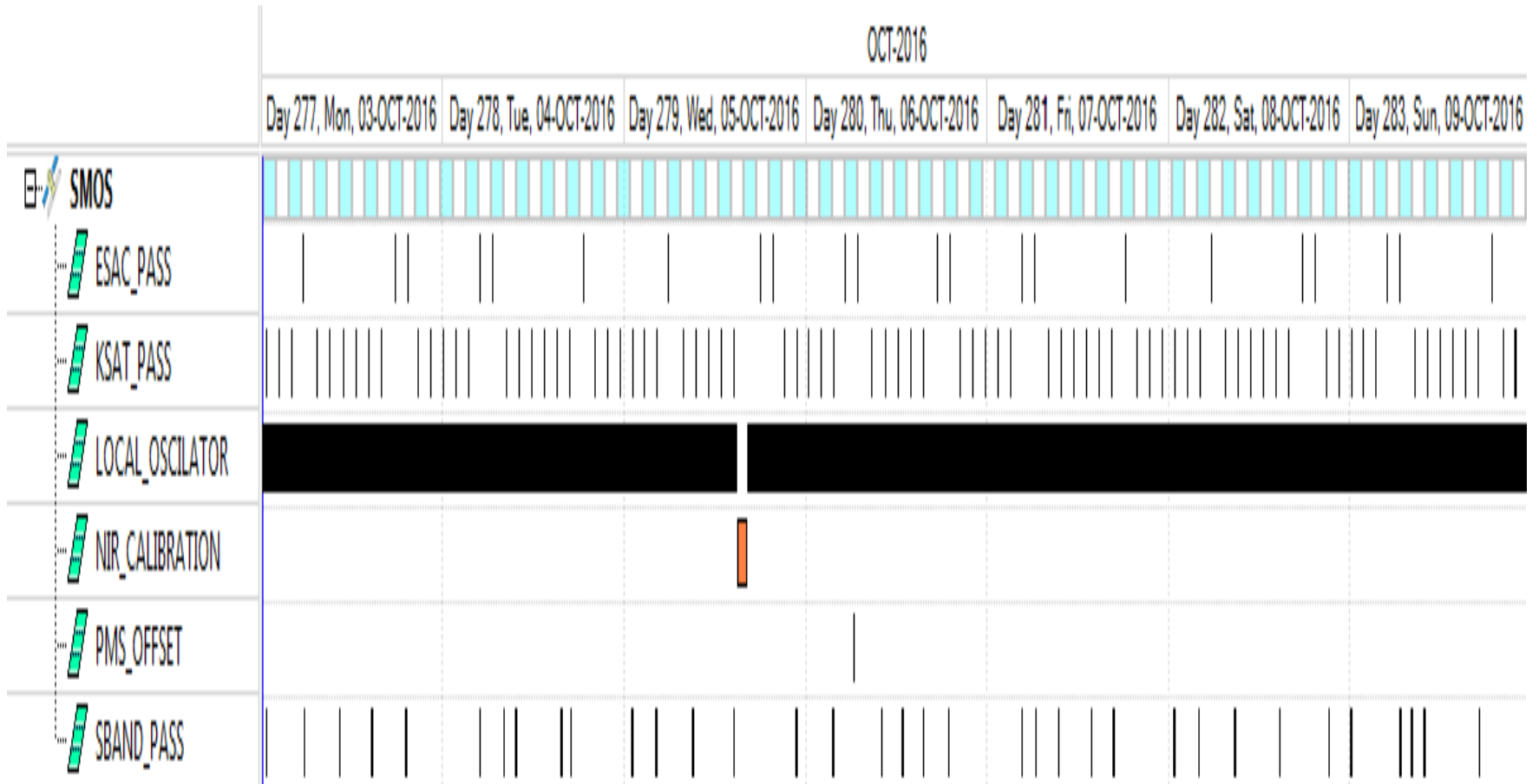
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3 TC Failures

None.

4 Unforeseen Out of Limits (OOLs)

The only unforeseen out of limit received during this week was the one related with the CMN Unlock that took place on the 5th of October (See sections 5 and Appendix-A for further details)

5 On Board Anomalies

- A new CMN unlock on H1 unit took place on 2016-10-05T21:49:26.416z (DOY 279).

The anomaly was geolocated over Córdoba, Argentina at the following geographical coordinates

Latitude = -34°.356307?

Longitude = 296°.849486?

Locking status parameter SPM11167 went out of limits in the FOS PLPC system. The anomaly recovered by itself after one Epoch and produced 10 minutes of degraded data from 21:49:26z to 21:59:26z.

6 On Board Events Telemetry

No relevant on board events were received this week.

7 FOS Systems Status

All FOS systems behaved nominally during this week.

- On the 4th of October three new FOS machines were installed:
 - FOSVIRT02 and FOSVIRT04 machines hosting virtual versions of PLPCPRM/PXMFPRM and PLPCBKP/PXMFBKP machines respectively. These machines were not put operational yet.
 - New PLPCNAS2 machine as future substitution of PLPCNAS server. As for the 4th of October this new machine is operational but PLPCNAS has not decommissioned yet waiting for final checks on PLPCNAS2.

8 Data Reception from CNES

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



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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 parameter went out of limits on PLPC system at the time of the H1 CMN unlock.

GS_TIME	OBTIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2016.279.23.39.25.117	2016.279.21.49.26.416	SPM11167	H1 LO_Locking	UNLOCK	LOCK