



Operations Notes

FOS Team @ ESAC

Reported by:

J.Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 44, year 2015

from 26 OCT 2015 to 02 NOV 2015

1.0

1 General Comments

Activities scheduled for this week are those planned for the 44th calendar week of 2015:

26 OCT 2015 to 02 NOV 2015 (DoYs 299 to 306).

The following routine activities were planned this week (see Gantt chart on next page and CRF 532):

- One Warm NIR Calibration on 28 OCT 2015 (DoY 301) with ETO 14:56:31z (orbit 31462) and with the following expected calibration values:
 - B.T. = 3.8463
 - R.M.S. = 0.6459
 - Sun Elevation = 9.999812 degrees
 - R.A. = 128.9514 degrees
 - DEC. = -16.4620 degrees
- One PMS Offset on 29 OCT 2015 (DoY 302), including three Short Calibrations at 15:36:00.0z, 15:36:34.8z, and 15:37:09.6z (orbit 31477).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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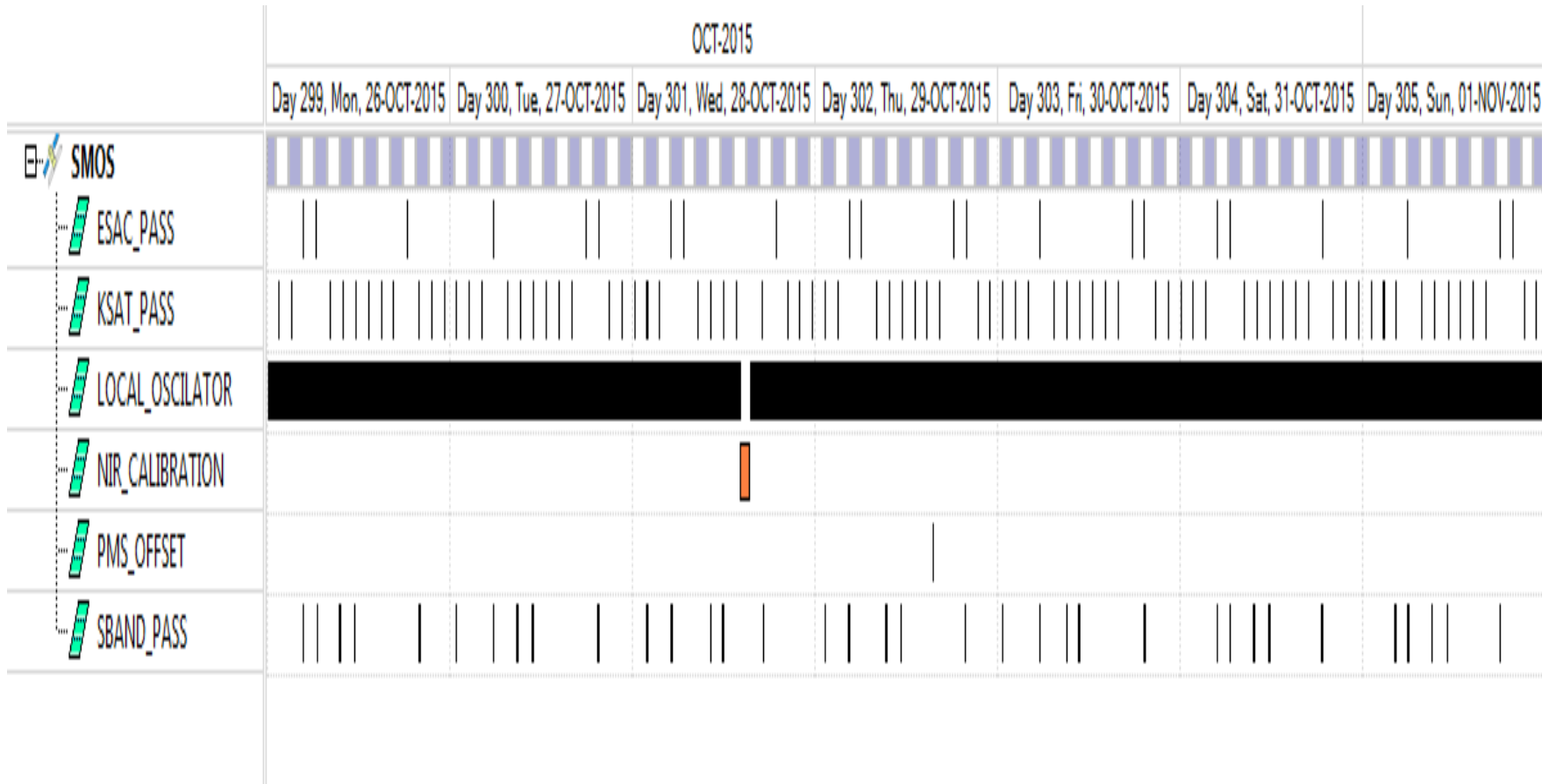
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3 TC Failures

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	2015.300.22.57.56.853	23441D0
RAM single Bit Error	WARN	2015.299.22.18.00.770	207503C
RAM single Bit Error	WARN	2015.299.22.04.35.559	23FF010

7 FOS Systems Status

All FOS Systems behaved nominal with exception of:

- The PLPC Time Correlation task crashed on 2015-10-28T11:05:34.236z (Earth Reception Time), during the reception of TM for GS pass IVK-20 (GS pass OBT from 05:09:07.377z to 10:23:03z). At the time of the anomaly the following error messages were issued by SCOS-PLPC system:

"SYSTEM CORBA::SystemException caught"

The problem was detected by the FOS Team around 2015-10-28T11:06z and procedure FCP-GRD-040 then executed. TCO task was manually restarted and the problem solved nevertheless telemetry from 07:35:15z to 07:46:17z when into wrong Data Stream 4. The problem did not have any impact at MUST-SMTA level since no incorrectly tagged TM data had been transferred to the system. Nevertheless MUST data transfer *cronjobs* were disabled until the end of the PLPC cleanup procedure. HFA files were deleted for both Data Streams 1 and 4 from 2015.301.05.09.07.000z to 10:23:03z The following TM files were again reingested:

SMOS_PLTM1_P_2015_10_28_10_20_52

SMOS_PLTM1_P_2015_10_28_10_23_03



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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.

APPENDIX A: OOLs

None.