



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 21, year 2016

from 23 MAY 2016 to 30 MAY 2016

1.0

1 General Comments

Activities scheduled for this week are those planned for the 21st calendar week of 2016:

23 MAY 2016 to 30 MAY 2016 (DoYs 144 to 151).

The following routine activities were planned this week (see Gantt chart on next page and CRF 573):

- One PMS Offset on 26 MAY 2016 (DoY 147), including three Short Calibrations at 09:20:00.0z, 09:20:34.8z, and 09:21:09.6z (orbit 34495).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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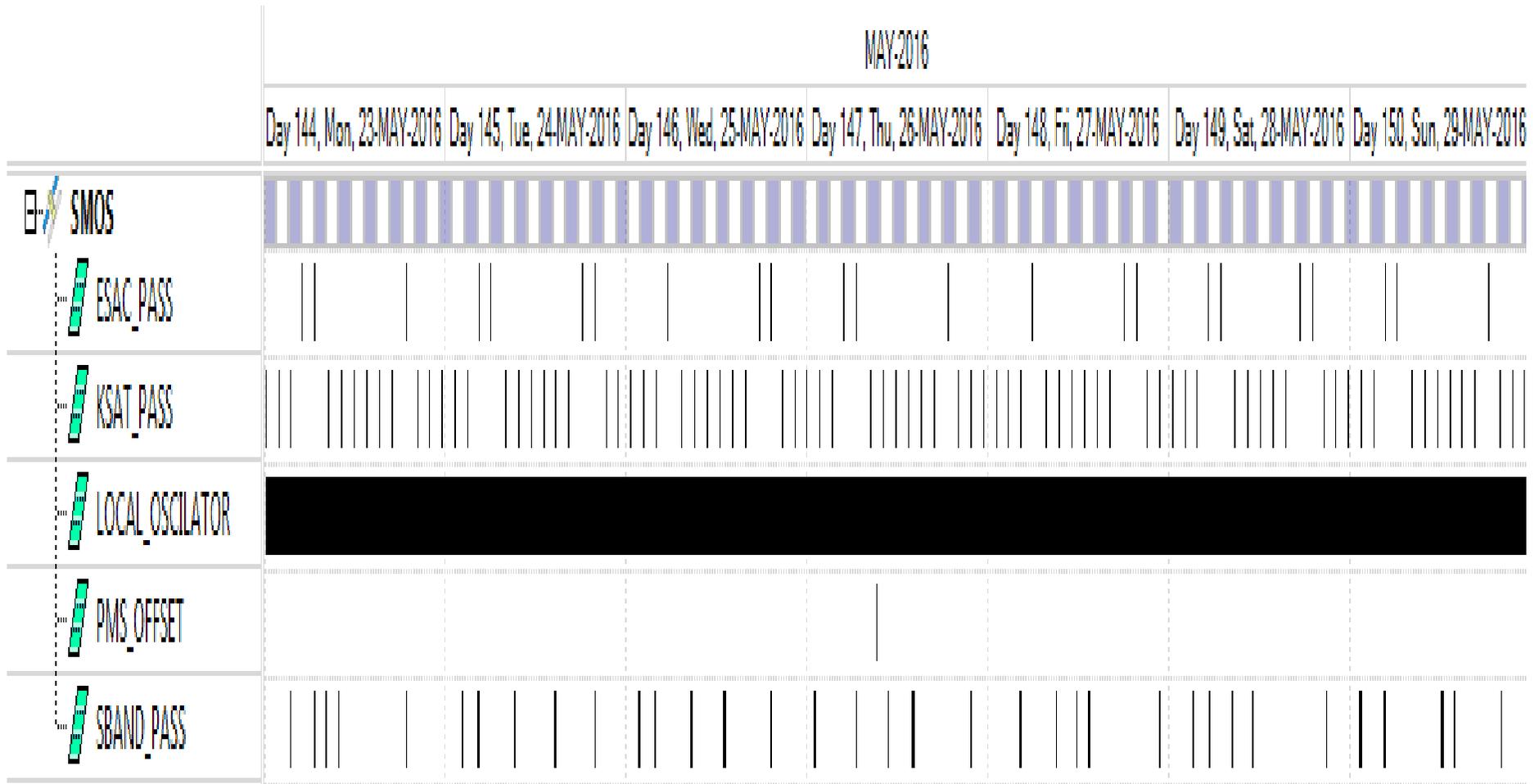
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3 TC Failures

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	2016.145.23.29.25.150	20166A4

7 FOS Systems Status

All FOS systems behaved nominally during this week.

8 Data Reception from CNES

All S band passes were correctly received from CNES and successfully processed by the FOS PLPC system, with the following exceptions:

- Due to an issue on the receiving station, S band GS pass STC-9 (AoS = 2016-05-24T19:56:36z; LoS = 2016-05-24T20:08:17z) contained two PUS TM gaps. The gaps went:

from 2016-05-24T17:04:50z to 2016-05-24T17:05:06z

from 2016-05-24T17:05:18z to 2016-05-24T17:05:37z

To achieve completion MIRAS PUS TM was recovered from the X band PXMF system and ingested into the MUST-SMTA System on 25 MAY 2016.

The corresponding E_HKTM was lost:

from 2016-05-24T17:21:19z to 2016-05-24T17:22:55z

- Because an issue with the Ausaguel station, S band pass AUS-26 (AoS = 2016-05-24T04:31:46z; LoS = 2016-05-24T04:45:49z) contained two PUS TM gaps. The gaps went:

from 2016-05-24T03:27:19z to 2016-05-24T03:27:39z

from 2016-05-24T03:57:01z to 2016-05-24T03:57:20z



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To achieve completion MIRAS PUS TM was recovered from the X band PXMF system and ingested into the MUST-SMTA System on 24 MAY 2016. The corresponding E_HKTM was anyway lost:

from 2016-05-24T03:11:42z to 2016-05-24T03:13:18z

9 X Band Data Reception in PXMF

PXMF XBand system was used twice during this week to fill the PUS Telemetry gaps produced by the two SBand station anomalies on the 24th of May (see section 8 of this report for further details)

10 Exceptional Activities

None.

11 AOB

None.

APPENDIX A: OOLs

No relevant Out of Limits were received this week.