



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 35, year 2015

from 24 AUG 2015 to 31 AUG 2015

1.0

1 General Comments

Activities scheduled for this week are those planned for the 35th calendar week of 2015; 2015-08-24 to 2015-08-31 (DoYs 236 to 243).

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

- One PMS Offset on 2015-08-27 (DoY 239), including three Short Calibrations at 16:27:30.0z, 16:28:04.8z, and 16:28:39.6z (orbit 30571).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

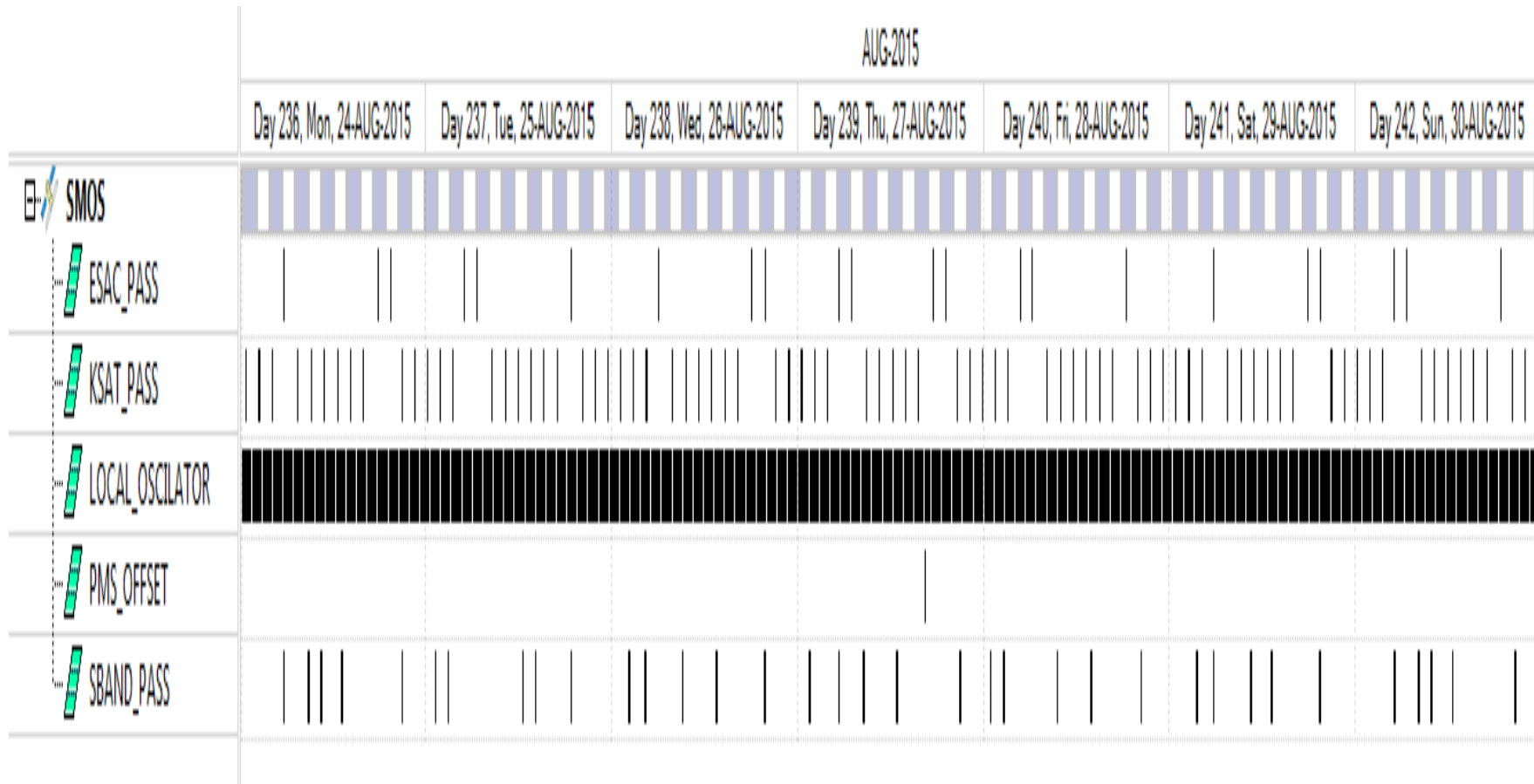
FOS Report for week 35, year 2015

Date:

from 24 AUG 2015 to 31 AUG 2015

Issue:

1.0





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	2015.241.20.03.27.481	2342768
RAM single Bit Error	WARN	2015.240.23.06.32.774	201B7A4
RAM single Bit Error	WARN	2015.239.22.26.35.541	214C0E4
RAM single Bit Error	WARN	2015.237.21.54.03.901	214DFFC

7 FOS Systems Status

All FOS Systems behaved nominal with the following exceptions:

- Due to the transmission delay for TM files associated to SBand passes KRX-10, KER-60 and KER-61 (see section 8 of this report), MUST telemetry injector created a telemetry gap on the MUST-SMTA system from 2015-08-24T13:07:14z to 2015-08-24T18:30:04z. The gap was manually filled by execution of procedure FCP-GRD-070.

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:

- Telemetry files belonging to the following three SBand passes:

24/08/2015 KRX 10 20:53:44 21:06:55

25/08/2015 KER 60 01:12:14 01:26:48

25/08/2015 KER 61 02:51:18 03:05:15

were not delivery at their correct expected time. All TM files for those passes arrived late around 06:33z on the 25th of August. This delay was caused by an anomaly on the CNES Ground Segment side. No real impact on FOS PLPC system.

- Due to an anomaly at Kerguelen station the following three foreseen passes on the 25th of August:



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 35, year 2015

from 24 AUG 2015 to 31 AUG 2015

1.0

25/08/2015	KER 62	12:30:03	12:44:55
25/08/2015	KER 63	14:10:50	14:23:15
26/08/2015	KER 64	02:12:38	02:27:22

were not acquired by the ground station and telemetry data not received and CNES and of course not delivered to ESAC. An extra Telecommanding pass was booked by CNES in order to cancel the telemetry data download for pass KER-64. As consequence of this anomaly the whole E_HKTM telemetry from 2015-05-25T02:50z to 2015-05-25T14:10z was lost and MIRAS PUS Telemetry recovered from the XBand PXMF system.

- Due to a new anomaly at Kerguelen station, the following foreseen pass on the 28th of August:

28/08/2015	KER 68	13:53:36	14:06:54
------------	--------	----------	----------

was not acquired by the ground station and telemetry data not received and CNES and of course not delivered to ESAC. An extra Telecommanding pass was booked by CNES in order to cancel the telemetry data download for all weekend passes at KER. As consequence of this anomaly the whole E_HKTM telemetry from 2015-05-28T09:32:57z to 2015-08-28T13:56:27z was lost and MIRAS PUS Telemetry recovered from the XBand PXMF system and transferred to MUST-SMTA system.

9 X Band Data Reception in PXMF

- Due to the SBand anomaly on 25 of August, MIRAS PUS Telemetry from period 2015-05-25T02:50z to 2015-05-25T14:10z was retrieved from the PXMF XBand system.
- Due to the SBand anomaly on 28 of August, MIRAS PUS Telemetry from period 2015-05-28T09:32:57z to 2015-08-28T13:56:27z was retrieved from the PXMF XBand system. Said TM corresponds to the 2015-08-28T14:59:44.958z Svalbard GS Pass.

10 Exceptional Activities

None.

11 AOB

None.



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 35, year 2015

from 24 AUG 2015 to 31 AUG 2015

1.0

APPENDIX A: OOLs

None.