



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 01, year 2018

from 01 JAN 2018 to 08 JAN 2018

1.0

1 General Comments

Activities scheduled for this week are those planned for the 1st calendar week of 2018:

01 JAN 2018 to 08 JAN 2018 (DoYs 001 to 008).

The following routine activities were planned this week (see Gantt chart on next page and CRF 706). The planning for this week was assembled together with the one of week 52 of year 2017 and both uploaded to the spacecraft on 21 DEC 2017.

- One PMS Offset on 04 JAN 2018 (DoY 004), including three Short Calibrations at 09:33:00.0z, 09:33:34.8z, and 09:34:09.6z (orbit 42956).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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Schedule Name: 2017_w52_cr ### Display start: 25-12-2017 00:00:00.000 ### Display end: 26-12-2017 09:36:00.000





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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	Packet ID	Severity	Event Time	Parameters
RAM Single Bit Error	730	WARNING	2018.007.11.27.32,949	2041C60

7 FOS Systems Status

- CNES reported the ISDN backup line (+34 918 154 245) to be down in an informal conversation with the FOS manager. FOS locally verified that the ESAC ISDN box did not have power. The issue was reported to Telefónica, and the following case number got assigned: 2018 012 9994 202. Sometime later an automatic phone call from Telefónica was received, indicating that the problem had been fixed; this was incorrect. Consequently FOS reopened the case with Telefónica; new case number was: 2018 013 0000 469. A Telefónica technician came on site, 03 JAN 2018 at around 13:00 LT and changed the copper pair from number 100 to 98. ISDN line came back alive. Pair number 100 seemed to be wet and that caused the failure. Though the ESAC ISDN box was then powered up (i.e. green led), CNES could not yet establish a connection. A second technician came on site the same day, unfamiliar with the set-up at ESAC he left without solving anything. As result of this situation a complaint was triggered by FOS with Telefónica, case number: 2018 0001 9394. On 04 JAN 2018 Telefónica called FOS to indicate that the issue with the ISDN line had been sorted out and that it ought to be already functioning properly. FOS asked CNES by email to verify this by executing a connectivity test on their side. CNES reply was positive (i.e. confirmed that the ISDN line was back to nominal), thus case was closed.

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.