*Operations Notes*

*FOS Team @ ESAC*

Topic:

Date:

Issue:

**FOS Report for week 27**

from the 30/06/14 to the 07/07/14

**1.0**

# 1 General Comments

The activities scheduled for this week are those planned for calendar week 27 of year 2014, from 30/06/2014 to 07/07/2014 (DOYs 181 to 188).

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

- X-band passes over ESAC and Svalbard.
- One PMS offset including three Short Calibrations on day 03/07/2014 (orbit 24526) at 13:58:15.000z, 13:58:49.800z and 13:59:24.600z
- Local oscillator calibration every 10 minutes.

# 2 Mission Planning Deviation

No deviations from the nominal planning happened during this week.

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| | | | JUL-2014 | | | | |
|---|---|---|---|---|---|---|---|
| Mon, 30-JUN-2014 | Tue, 01-JUL-2014 | Wed, 02-JUL-2014 | Thu, 03-JUL-2014 | Fri, 04-JUL-2014 | Sat, 05-JUL-2014 | Sun, 06-JUL-2014 |

Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ

XB_Cmd_Downlink_Svalb_SEQ

SBand_Visibility_SEQ

XB_Cmd_Downlink_Vilspa_SEQ

Disable_Cyclic_Function_SEQ

PMS_Offset_Calibration_Full_SEQ

Enable_Cyclic_Function_SEQ

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| | FOS Team @ ESAC | Date: | from the 30/06/14 to the 07/07/14 |
| | | Issue: | **1.0** |

## 3  TC Failures

None.

## 4   Unforeseen Out of Limits (OOLs)

The list of out limits received during this week can be seen in Appendix-A.

## 5   On Board Anomalies

- A new CMN unlock for B2 receiver took place on day 05/07/2014 at 09:40:23.778z. The geolocation of the event anomaly took place in the middle of the South Atlantic Anomaly with the following geographical coordinates:
    Longitude=307.8453
    Latitude=-18.986718

## 6   Telemetry On Board Events in the period.

The following RAM Single bit errors were detected during the present reporting period.

| Event  Description | Severity | Event Time | Parameters |
|---|---|---|---|
| RAM Single Bit Error | WARN | 2014.183.00.42.07.153 | 230981C |
| RAM Single Bit Error | WARN | 2014.186.17.32.17.356 | 2208294 |
| RAM Single Bit Error | WARN | 2014.186.20.34.22.251 | 20488A8 |

## 7  FOS System Status

All FOS systems behaved nominally during this period.

Savoir Software on FOSEXT server was upgraded to latest 5.1.2.0 version

## 8  Data Reception from CNES

All SBand passes have been nominally acquired and processed by FOS.

## 9  X-Band Data Reception in PXMF

Not used during the present reporting period.

## 10 Exceptional Activities

None.

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|---|---|---|
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| *FOS Team @ ESAC* | Issue: | **1.0** |

## 11 AOB

None.

**Operations Notes**

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Date:

Issue:

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**1.0**

## APPENDIX A:  OOL's

The list of Out of limits here below reported are linked with the CMN unlock described in section 5 of this report.

| OBT | Severity | TM Parameter | Alarm Value | Check Value | Message |
|---|---|---|---|---|---|
| 2014.186.09.40.23.778 | STATUS OOL | SPM18167 | UNLOCK | LOCK | SPM18167 Status Hard Limits check |
| 2014.186.09.40.17.778 | STATUS OOL | SPM18162 | NOT-OK | O.K | SPM18162 Status Hard Limits check |