Operations Notes

FOS Team @ ESAC

Reported by: J.Fauste

Topic:	**FOS Report for week 07**
Date:	from the 09/02/15 to the 16/02/15
Issue:	**1.0**

1 General Comments

The activities scheduled for this week are those planned for calendar week 07 of year 2015, from 09/02/2015 to 16/02/2015 (DOYs 040/2015 to 047/2015).

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

- X-band passes over ESAC and Svalbard.
- One NIR External Calibration on 11/02/2015 with ETO at 05:37:38z with the following calibration values.
  Brightness Temperature= 3.697283
  RMS=0.096907
  Sun Elevation above MIRAS= 10.05
  RA=48.10
  DEC=-17.69
- One PMS offset including three Short Calibrations on day 12/02/2015 (orbit 27751) at 16:59:11.000z, 16:59:45.800z and 17:00:20.600.
- OCM Orbit Correction Manoeuvre scheduled on 12/02/2015 from 22:41:21z to 23:01:19z. MIRAS ITL was disabled between those two times and data marked with External APID.
- Local oscillator calibration every 10 minutes.

2 Mission Planning Deviation

No deviations from the nominal planning happened during this week.

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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

No payload anomalies happened during this reporting period.

6 Telemetry On Board Events in the period.

The following Ram single bit errors were received during this reporting week:

Event Description	Severity	Event Time	Parameters
RAM Single Bit Error	WARN	2015.046.10.52.12	23D8C1C

7 FOS System Status

All FOS systems behaved nominal during this period.
- A new SW patch was installed on PLPCPRM machine which included a new functionality to maintain configuration control between the Save Stack files and TC groups sent to CNES. Unfortunately the patch did not work at the time the weekly planning was performed by FOS, 11/02/2015, and as consequence of that the patch installation was reverted.

8 Data Reception from CNES

All SBand passes of the week were correctly received from CNES.

9 X-Band Data Reception in PXMF

Not used during the present period.

10 Exceptional Activities

The following exceptional event happened during this week:

11 AOB

None.

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APPENDIX A: OOL's

The following Out of Limit was received on FOS PLPC system due to the OCM scheduled on 12/02/2015. The OOL was triggered because the MIRAS ITL was disabled during the execution of the Orbit Correction Manoeuvre.

OBT	Severity	TM Parameter	Alarm Value	Check Value	TM Description
2015.043.22.41.21.847	Hard-High	NTLHK022	Disabled	Enabled	ITAL Ena State