



1 General Comments

The activities scheduled for this week are those planned for calendar week 51 of year 2014, from 15/12/2014 to 22/12/2014 (DOYs 349 to 356).

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 18/12/2014 (orbit 26954) at 16:40:00.000z, 16:40:34.800 and 16:41:09.600.
- Local oscillator calibration every 10 minutes.

2 Mission Planning Deviation

No deviations from the nominal planning happened during this week.



Operations Notes

FOS Team @ ESAC

Reported by: R.Fernández

Topic:

Date:

Issue:

FOS Report for week 51
from the 15/12/14 to the 22/12/14

1.0

	DEC-2014						
	Mon, 15-DEC-2014	Tue, 16-DEC-2014	Wed, 17-DEC-2014	Thu, 18-DEC-2014	Fri, 19-DEC-2014	Sat, 20-DEC-2014	Sun, 21-DEC-2014
Int_LO_Phase_Cal_NoNoise_FULL_NotEXT_SEQ	[Solid black bar]						
XB_Cmd_Downlink_Syalb_SEQ	[Vertical tick marks]						
SBand_Visibility_SEQ	[Vertical tick marks]						
XB_Cmd_Downlink_Vilspa_SEQ	[Vertical tick marks]						
Disable_Cyclic_Function_SEQ				[Upward arrow]			
PMS_Offset_Calibration_Full_SEQ							
Enable_Cyclic_Function_SEQ				[Downward arrow]			



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

The following payload anomalies happened during this reporting period:

- A new Mass Memory Latch up in partition P10 on day 19/12/2014 at 19:04:21z. The geolocation of the event was over South America with the following geographical coordinates:

Longitude= 338.51

Latitude= -32.484

The anomaly recovery took place on day 22/12/2014 at 19:00z via CRF-467.

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	2014.00.14.23.071	23FB9D8

7 FOS System Status

All FOS systems behaved nominal during this period.

8 Data Reception from CNES

All SBand passes of the week were correctly received from CNES and successfully processed by the FOS PLPC system except:

- On 18/12/2014, the KRU 20 pass at 08:40UT was cancelled due to a conflict with a launch support for another mission.
- On 18/12/2014 and for GS pass AUS-21, 3 hours of HKTM were lost from 05h31:30z to 08h42:47z. This was due to an error while configuring the PROTEUS Mass Memory to cope with the cancellation of Kourou pass 20.
- On day 21/12/2014 and for GS pass KER-38 at 03:05z, MIRAS telemetry data was not complete since there was a small telemetry gap (only 32 missing SSC packets) from onboard time 2014-12-21T03:03:27.096z to 2014-12-21T03:03:46.296z. The



Operations Notes

FOS Team @ ESAC

Reported by: R.Fernández

Topic:

Date:

Issue:

FOS Report for week 51
from the 15/12/14 to the 22/12/14

1.0

affected Telemetry file from CNES was
SMO_PLTM1_P_2014_12_21_03_12_42.

9 X-Band Data Reception in PXMF

- Since SBand acquisition of AUS 21 pass on day 18/12/2014 at 05h31:30z failed (see section 8), XBand data from ESAC pass at 05h31:30z was ingested on PXMF system and MIRAS TM gaps filled on SMTA from 2014-12-18T05:30:00z to 2014-12-18T08:42:00z

10 Exceptional Activities

None.

11 AOB

None.



Operations Notes

FOS Team @ ESAC

Reported by: R.Fernández

Topic:

Date:

Issue:

FOS Report for week 51
from the 15/12/14 to the 22/12/14

1.0

APPENDIX A: OOL's

The following Out of Limits were received at FOS PLPC system.

OBT	Severity	TM Parameter	Alarm Value	Check Value	TM Description
2014.353.19.04.21.193	Hard-High	DMASME37	False	True	SDD LU Detected
2014.353.19.04.21.193	Hard-High	DMASME02	OFF	ON	LU Switch P10