



1 General Comments

The activities scheduled for this week are those planned for calendar week 17 of year 2014, from 21/04/2014 to 28/04/2014 (DOYs 111 to 118).

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 23/04/2014 with ETO at 16:50:00z with the following calibration values:
 - Brightness Temperature=4.24
 - RMS=0.61
 - Sun Elevation above MIRAS= -3.56
 - RA= 317.28
 - DEC=-61.25
- Two consecutive Long Calibrations over the Pacific Ocean starting respectively on day 24/04/2014 at 06:03:00z and 07:43:00z
- 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

Topic:

Date:

Issue:

FOS Report for week 17
from the 21/04/14 to the 28/04/14

1.0

	APR-2014						
	Mon, 14-APR-2014	Tue, 15-APR-2014	Wed, 16-APR-2014	Thu, 17-APR-2014	Fri, 18-APR-2014	Sat, 19-APR-2014	Sun, 20-APR-2014
Int_LO_Phase_Cal_NoNoise_FULL_NotEXT_SEQ	[Solid black bar]						
XB_Cmd_Downlink_Svalb_SEQ	[Vertical tick marks]						
SBand_Visibility_SEQ	[Vertical tick marks]						
XB_Cmd_Downlink_Vilspa_SEQ	[Vertical tick marks]						
Disable_Cyclic_Function_SEQ	[Vertical line with diamond]						
PMS_Offset_Calibration_Full_SEQ	[Vertical line with diamond]						
Enable_Cyclic_Function_SEQ	[Vertical line with diamond]						



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 Mass Memory latch up for partition P7 occurred on 26/04/2014 at 10:02:44z. At the time of this latch up, MM Write pointer was located in partition P0 while the read on was in P8. Due to that, no data loss happened during either the anomaly or its nominal recovery. The recovery of this anomaly took place on day 28/04/2014 at 20:35z. The geolocation of the event was:

Longitude= 303.737 deg

Latitude= -27.540 deg

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	2014.116.23.03.17	20BC158

7 FOS System Status

All FOS systems behaved nominally during this week.

The reconstruction of the telemetry archive for MUSTPC2 is still ongoing with years 2013 and 2014 already fully recovered. Data recovery from year 2012 will finish at the end of the present week 01/05/2014. Calibration data for years 2012, 2013 and 2013 is also fully recovered but data from previous years is being requested to the LTA archive in Kiruna for its later reprocessing and archiving into MUSTPC2 system.

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.

11 AOB

None.



APPENDIX A: OOL's

The following Out of limits related with the Mass Memory latch up on 26/04/2014 were received.

OBT	Severity	TM parameter	Alarm value	Check value	Message
2014.116.10.02.44.419	ERROR	DMASME37	False	True	STATUS limit is out of nominal range
2014.116.10.02.44.419	ERROR	DMASME05	OFF	ON	STATUS limit is out of nominal range