



## 1 General Comments

The activities scheduled for this week are those planned for calendar week 34 of year 2014, from 18/08/2014 to 25/08/2014 (DOYs 230 to 237).

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 20/08/2014 with ETO at 16:27:36 with the following calibration values.  
Brightness Temperature=3.735424  
RMS= 0.118163  
Sun Elevation above MIRAS=-2.500119  
RA=63.12204  
DEC=-27.012791
- 2 LONG Calibrations on 21/08/2014. Start time at 13:51:00 and 15:31:00
- 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 34**  
from the 18/08/14 to the 25/08/14

**1.0**

	AUG-2014						
	Mon, 18-AUG-2014	Tue, 19-AUG-2014	Wed, 20-AUG-2014	Thu, 21-AUG-2014	Fri, 22-AUG-2014	Sat, 23-AUG-2014	Sun, 24-AUG-2014
Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ	█			█	█	█	
XB_Cmd_Downlink_Svalb_SEQ							
SBand_Visibility_SEQ							
XB_Cmd_Downlink_Vilspa_SEQ							
Update_Cyclic_LO_Ph_Cal_NoU_Full_EXT_SEQ			◆				
External_Calibration_NIR_Full_OBOP_SEQ			█				
Int_LO_Phase_Cal_NoUnoise_FULL_EXT_SEQ			█				
Disable_Cyclic_Function_SEQ			◆	◆◆			
Enable_Cyclic_Function_SEQ			◆	◆◆			
Update_Cyclic_LO_Ph_Cal_NoU_Full_NotEXT_SEQ			◆				
Long_Calibration_Full_OBOP_SEQ							



### 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

None.

### 6 Telemetry On Board Events in the period.

The following RAM single bit errors happened during this week:

Event Description	Severity	Event Time	Parameters
RAM Single Bit Error	WARN	231.12.10.58.255	23B60D4
RAM Single Bit Error	WARN	232.08.41.43.350	21F717C
RAM Single Bit Error	WARN	232.21.53.56.977	212A148

### 7 FOS System Status

All FOS systems behave nominal during this period with the following exception:

On 18/08/2014 Contingency situation of pxmfdis server as graphics console of plpc environment came to nominal as plpcdis server replaced pxmfdis as console server after the replacement of its faulty power supply.

### 8 Data Reception from CNES

All SBand passes were nominally acquired and processed by FOS except data for pass AUS-21 on day 20/08/2014.

On that particular pass lots of Time Correlation error messages were issued by the FOS PLPC system for onboard telemetry data issued from day 19<sup>th</sup> of August at 22:36:31z to 20<sup>th</sup> of August at 01:52:25. Reason behind this problem seems to be related to data duplication inside the telemetry files received from CNES for that particular pass (AUS-21). This also created some data duplication at PLPC and MUST system levels for that time period.

### 9 X-Band Data Reception in PXMF

On 20/08/2014 Mustpc tools to fill gaps using Xband Telemetry on mustpc3 server were installed and configured. This tool was tested



with the gap appeared on 05/08/2014 which it was incompletely filled on mustpc1 server.

## **10 Exceptional Activities**

On 19/08/2014 Repair the operating system and application data from mustpc1 server.

On 20/08/2014 Final tasks to configure mustpc3 server as primary server of MUST system.

## **11 AOB**

None.



## **APPENDIX A: OOL's**

No relevant Out of Limits alarms were received during the present reporting period.