



## 1 General Comments

The activities scheduled for this week are those planned for calendar week 30 of year 2014, from 21/07/2014 to 28/07/2014 (DOYs 202 to 209).

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 23/07/2014 with ETO at 19:37:29z with the following calibration values.  
Brightness Temperature= 3.653054  
RMS= 0.053940  
Sun Elevation above MIRAS= -6.732915 degrees  
RA= 35.737506 degrees  
DEC= -27.726468
- One PMS offset including three Short Calibrations on day 24/07/2014 (orbit 24820) at 16:58:02.000z, 16:58:36.800 and 16:59:11.600.
- 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

Topic:  
Date:  
Issue:

**FOS Report for week 30**  
from the 21/07/14 to the 28/07/14  
**1.0**

	JUL-2014						
	Mon, 21-JUL-2014	Tue, 22-JUL-2014	Wed, 23-JUL-2014	Thu, 24-JUL-2014	Fri, 25-JUL-2014	Sat, 26-JUL-2014	Sun, 27-JUL-2014
Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ	████████████████████			████████████████████			
XB_Cmd_Downlink_Svalb_SEQ							
SBand_Visibility_SEQ							
XB_Cmd_Downlink_Wilspa_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			◆				
PMS_Offset_Calibration_Full_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**

- A new Mass Memory latch-up took place on partition P10 on day 25/07/2014 at 17:50:08. At the time of anomaly the MM reader pointer was located in partition P5 whereas the MM writer pointer was located in partition P6. The geolocation of the event was:

Longitude=353.831765

Latitude=-45.486060

The recovery of the anomaly will be performed on day 28/07/2014 at 14:30:00z according with FOS instruction of CRF-434.

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

No RAM single bit errors happened during this week.

### **7 FOS System Status**

All FOS systems behave nominal during this period.

### **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 list of Out of Limits were received at the time of the Mass Memory Latch up in partition P10.

OBT	Severity	TM Parameter	Alarm Value	Check Value	Message
2014.206.17.50.07.889	STATUS	DMASME37 SDD LU Detected	FALSE	TRUE	STATUS Check OOL
2014.206.17.50.07.889	STATUS	DMASME02 LU Switch P10	OFF	ON	STATUS Check OOL