



## 1 General Comments

The activities scheduled for this week are those planned for calendar week 21 of year 2015, from 18/05/2015 to 25/05/2015 (DOYs 138/2015 to 145/2015).

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

- One External Calibration (NIR) with Inertial Pointing scheduled , ETO, on 2015-05-20T03:22:00z  
Brightness Temperature= 3.586588  
RMS= 0.150935  
Sun Elevation above MIRAS= 9.116884  
RA= 159.974991  
DEC= 56.100422
- One PMS offset including three Short Calibrations on day 21/05/2015 (orbit 29161) at 16:44:18.000z, 16:44:52.800z and 16:45:27.600.
- Local oscillator calibration every 10 minutes.
- X-Band Passes over ESAC and Svalbard.

## 2 Mission Planning Deviation

No deviations from the nominal planning happened during this week.



# Operations Notes

FOS Team @ ESAC

Reported by: J. Fauste

Topic:

Date:

Issue:

**FOS Report for week 21**  
from the 18/05/15 to the 25/05/15

**1.0**

	MAY-2015						
	Mon, 18-MAY-2015	Tue, 19-MAY-2015	Wed, 20-MAY-2015	Thu, 21-MAY-2015	Fri, 22-MAY-2015	Sat, 23-MAY-2015	Sun, 24-MAY-2015
Int_LO_Phase_Cal_NoNoise_FULL_NotEXT_SEQ	████████████████████		████████████████████		████████████████████		
XB_Cmd_Downlink_Svalb_SEQ							
SBand_Visibility_SEQ							
XB_Cmd_Downlink_Vilspa_SEQ							
External_Calibration_NIR_Full_OBOP_SEQ			█				
Update_Cyclic_LO_Ph_Cal_NoU_Full_EXT_SEQ			◆				
Int_LO_Phase_Cal_NoNoise_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)**

(see Appendix-A for further details)

### **5 On Board Anomalies**

The following payload anomalies happened during this reporting period:

- A new CMN unlock happened on day 2015-05-19T10:00:09z on CMN B2 unit. Both parameters, Lock status and output power, triggered an out of limits alarm on PLPC system. The geolocation of the event was over South America with the following geographical coordinates:

Longitude=303.780879

Latitude=-24.401899

The instrument recovered itself from the anomaly in 10 epochs.

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

No RAM single bit errors happened during the present reporting period.

### **7 FOS System Status**

All FOS systems behaved nominal during this period

### **8 Data Reception from CNES**

All SBand telemetry passes were received at ESAC and successfully processed by PLPC.

### **9 X-Band Data Reception in PXMF**

Not used during this week.

### **10 Exceptional Activities**

None.

### **11 AOB**

None.



## Operations Notes

FOS Team @ ESAC

Reported by: J. Fauste

Topic:

Date:

Issue:

**FOS Report for week 21**  
from the 18/05/15 to the 25/05/15

**1.0**

### APPENDIX A: OOL's

The following Out of Limits were received on FOS PLPC.

<b>GS_TIME</b>	<b>OBTIME</b>	<b>PARAMETER</b>	<b>DESCRIPTION</b>
2015.139.10.42.26.676	2015.139.10.00.15.414	SPM18167	B2 LO_Locking
2015.139.10.42.26.495	2015.139.10.00.09.414	SPM18162	B2 LO_Out_Power