



## 1 General Comments

The activities scheduled for this week are those planned for calendar week 09 of year 2015, from 23/02/2015 to 02/03/2015 (DOYs 054/2015 to 061/2015).

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 25/02/2015 with ETO at 17:05:41z with the following calibration values.  
Brightness Temperature= 5.074473  
RMS=2.352981  
Sun Elevation above MIRAS= 9.910514  
RA= 253.315811  
DEC= -44.2988801
- 2 LONG Calibrations on 26/02/2015. Start time at 16:14:11z and 17:54:15z
- 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: J. Fauste

Topic:

Date:

Issue:

**FOS Report for week 09**  
from the 23/02/15 to the 02/03/15

**1.0**

	FEB-2015						
	Mon, 23-FEB-2015	Tue, 24-FEB-2015	Wed, 25-FEB-2015	Thu, 26-FEB-2015	Fri, 27-FEB-2015	Sat, 28-FEB-2015	Sun, 01-MAR-2015
Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ	[Solid black bars]						
XB_Cmd_Downlink_Svalb_SEQ	[Vertical tick marks]						
SBand_Visibility_SEQ	[Vertical tick marks]						
XB_Cmd_Downlink_Vilspa_SEQ	[Vertical tick marks]						
External_Calibration_NIR_Full_OBOP_SEQ			[Blue bar]				
Update_Cyclic_LO_Ph_Cal_NoU_Full_EXT_SEQ			[Green diamond]				
Int_LO_Phase_Cal_NoUnoise_FULL_EXT_SEQ			[Black bar]				
Disable_Cyclic_Function_SEQ			[Green diamond]		[Blue diamonds]		
Enable_Cyclic_Function_SEQ			[Green diamond]		[Blue diamonds]		
Update_Cyclic_LO_Ph_Cal_NoU_Full_NotEXT_SEQ			[Green diamond]				
Long_Calibration_Full_OBOP_SEQ					[Vertical bars]		



### 3 TC Failures

None.

### 4 Unforeseen Out of Limits (OOLs)

No out limits were received during this week.

### 5 On Board Anomalies

No payload anomalies happened during this reporting period:

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

The following RAM single bit errors happened during the present report period:

Event Description	Severity	Event Time	Parameters
RAM Single Bit Error	WARN	2015.057.22.02.00.621	22A8E64
RAM Single Bit Error	WARN	2015.060.00.40.37.196	22FB4C0

### 7 FOS System Status

All FOS systems behaved nominal during this period with the following exceptions.

- Planning of week-10 was performed using for the first time the new version, 3.9, of SPGF software running on the FOS redundant machine SPGF-2. During the planning process a SW bug was found since some of the output files internally used by FOS, *Gantt* and *ESOV* files, were generated with a wrong time format. Also a problem was found with the XBDOWN file since the last Svalbard GS pass of the planning period was generated without the End Track tag. As consequence of that, the planning of week 10 was finalised with SPGF prime machine running SPGF version 3.7. A new SW patch has been requested to GMV fixing all these problems.

### 8 Data Reception from CNES

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

### 9 X-Band Data Reception in PXMf

Not used during this week since all the SBand passes were correctly received and processed by FOS.

### 10 Exceptional Activities

None.



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### **11 AOB**

None.

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

No relevant Out of Limits were received during this week on FOS PLPC system.