



## 1 General Comments

The activities scheduled for this week are those planned for calendar week 29 of year 2014, from 14/07/2014 to 21/07/2014 (DOYs 195 to 202).

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

- X-band passes over ESAC and Svalbard.
- One PMS offset including three Short Calibrations on day 17/07/2014 (orbit 24730) at 18:12:00.000z, 18:12:34.800z and 18:13:08.600z
- 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 29**  
from the 14/07/14 to the 21/07/14  
**1.0**

	JUL-2014						
	Mon, 14-JUL-2014	Tue, 15-JUL-2014	Wed, 16-JUL-2014	Thu, 17-JUL-2014	Fri, 18-JUL-2014	Sat, 19-JUL-2014	Sun, 20-JUL-2014
Int_LO_Phase_Cal_NoNoise_	[Solid black bar]						
XB_Cmd_Downlink_Svalb_SEQ	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]
SBand_Visibility_SEQ	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]
XB_Cmd_Downlink_Vilspa_SEQ	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]
Disable_Cyclic_Function_SEQ				[Upward arrow]			
PMS_Offset_Calibration_Full_9				[Downward arrow]			
Enable_Cyclic_Function_SEQ				[Downward arrow]			



### 3 TC Failures

None.

### 4 Unforeseen Out of Limits (OOLs)

The list of out limits received during this week are all related with the CMN unlock reported in section 5 and can be seen in Appendix-A

### 5 On Board Anomalies

- A new CMN unlock on H3 unit happened on day 17/07/2014 at 08:38:17z. The instrument recovered in two epochs producing 10 minutes of degraded data. The geolocation of this event was over Brazil with the following geographical coordinates:

Lat= -0.466583

Long= 320.497903

### 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	2014.197.10.51.44.060	20193EC
RAM Single Bit Error	WARN	2014.200.22.21.32.483	20183D8

### 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 Out of Limits alarms were received at the time of the CMN unlock on day 17/07/2014

OBT	Severity	TM Parameter	Alarm Value	Check Value	Message
2014.198.08.38.17.902	STATUS	SPM13167 H3 LO_LOCKING	UNLOCK	LOCK	STATUS Check OOL
2014.198.08.38.17.902	STATUS	SPM13162 H# LO_Out_Power	NOT-OK	O.K	STATUS Check OOL