



1 General Comments

The activities scheduled for this week are those planned for calendar week 25 of year 2014, from 16/06/2014 to 23/06/2014 (DOYs 167 to 174).

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 18/06/2014 with ETO at 17:07:32 with the following calibration values.
Brightness Temperature=3.929186
RMS= 0.121459
Sun Elevation above MIRAS=--14.309194
RA=343.970245
DEC=-70.375412
- One PMS offset including three Short Calibrations on day 19/06/2014 (orbit 24326) at 16:23:00.000z, 16:23:34.800z and 16:24:09.600z
- 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 25
from the 16/06/14 to the 23/06/14
1.0

	JUN-2014						
	Mon, 16-JUN-2014	Tue, 17-JUN-2014	Wed, 18-JUN-2014	Thu, 19-JUN-2014	Fri, 20-JUN-2014	Sat, 21-JUN-2014	Sun, 22-JUN-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			◇				
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 CMN Unlock happened on day 17/06/2014 (DOY 168) on H1 at 09:44:34z. The geolocation of the event was over the SAA with the following geographical coordinates:

Lat -05.56 deg

Long 304.6795 deg

The analysis of the baseline LCF-C-15 (C2) and LCF-C-16 (C3) showed that the CMN H1 recovered in 12 epochs producing 10 minutes of degraded data

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	169.09.21.56.075	20C042C

7 FOS System Status

All FOS systems behaved 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 PLPC Out of Limit was received as consequence of the CMN unlock that happened on 17/06/2014

OBT	Severity	TM Parameter	Alarm Value	Check Value	Message
2014.168.13.27.46.673	ERROR	SPM11162	NOT-OK	OK	STATUS limit is out of nominal range
2014.168.13.27.46.881	ERROR	SPM11167	UNLOCK	LOCK	STATUS limit is out of nominal range