



1 General Comments

The activities scheduled for this week are those planned for calendar week 23 of year 2014, from 02/06/2014 to 09/06/2014 (DOYs 153 to 160).

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 04/06/2014 with ETO at 13:10:00z with the following calibration values.
Brightness Temperature=3.812978
RMS= 0.095570
Sun Elevation above MIRAS=-1.663080
RA=343.970245
DEC=-8.456566
- One PMS offset including three Short Calibrations on day 05/06/2014 (orbit 24122) at 12:08:00.000z, 12:08:34.800z and 12:09:09.600z
- 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 23
from the 02/06/14 to the 09/06/14
1.0

	JUN-2014						
	Mon, 02-JUN-2014	Tue, 03-JUN-2014	Wed, 04-JUN-2014	Thu, 05-JUN-2014	Fri, 06-JUN-2014	Sat, 07-JUN-2014	Sun, 08-JUN-2014
Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ	[Solid Black]		[Solid Black]				
XB_Cmd_Downlink_Svalb_SEQ	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]
SBand_Visibility_SEQ	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]
XB_Cmd_Downlink_Vilspa_SEQ	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]	[Vertical Lines]
Update_Cyclic_LO_Ph_Cal_NoU_Full_EXT_SEQ			[Green Diamond]				
External_Calibration_NIR_Full_DBOP_SEQ			[Green Bar]				
Int_LO_Phase_Cal_NoUnoise_FULL_EXT_SEQ			[Black Bar]				
Disable_Cyclic_Function_SEQ			[Green Diamond]	[Green Diamond]			
Enable_Cyclic_Function_SEQ			[Green Diamond]	[Green Diamond]			
Update_Cyclic_LO_Ph_Cal_NoU_Full_NotEXT_SEQ			[Green Diamond]				
PMS_Offset_Calibration_Full_SEQ				[Vertical Line]			



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

No payload anomalies happened during this week.

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	2014.158.20.44.47.573	2060898

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

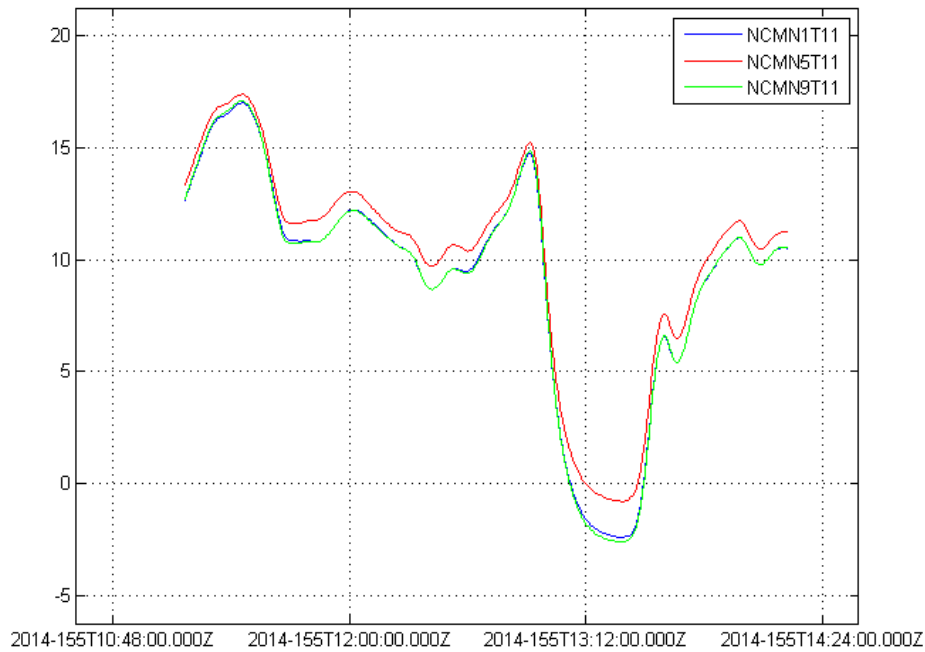
None.

11 AOB

The NIR executed during this week on day 04/06/2014, was performed with a low Sun elevation of about 1.78 degrees trying also to warm the antenna plane with the Sun during the ascending part of the slew. The idea behind this test was to raise the temperature of the antenna plane above zero degrees in order to demonstrate a possible connection between the anomaly seen on the PMS of LICEF BC_3 during NIR calibrations and the temperature of the antenna plane.



Unfortunately as it is possible to see in the graphic below, the test was not very successful since the temperature of the antenna plane, TP7 sensors, still reached negative values with a slightly increase of 0.1 degrees respect to previous nominal NIR calibrations, therefore it was not possible to demonstrate anything concrete.





APPENDIX A: OOL's

No relevant Out of Limits happened this week.