



1 General Comments

The activities scheduled for this week are those planned for calendar week 40 of year 2014, from 29/09/2014 to 06/10/2014 (DOYs 272 to 279).

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 02/10/2014 (orbit 25837) at 16:35:00.000z, 16:35:34.800 and 16:36:09.600.
- One extra Warm-NIR External Calibration on 29/09/2014 with ETO at 15:24:13z with the following calibration values.
Brightness Temperature=3.987190
RMS=0.812546
Sun Elevation above MIRAS=9.968127
RA=108.099693
DEC=-49.192546
- One NIR External Calibration on 01/10/2014 with ETO at 04:58:00 with the following calibration values.
Brightness Temperature=4.246531
RMS=1.095999
Sun Elevation above MIRAS=-9.401407
RA=286.730473
DEC=39.457066
- 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 40
from the 29/09/14 to the 06/10/14

1.0

	OCT-2014						
	Mon, 29-SEP-2014	Tue, 30-SEP-2014	Wed, 01-OCT-2014	Thu, 02-OCT-2014	Fri, 03-OCT-2014	Sat, 04-OCT-2014	Sun, 05-OCT-2014
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]						
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

None.

6 Telemetry On Board Events in the period.

The following RAM single bit errors happened during this week:

Event Description	Severity	Event Time	Parameters
RAM Single Bit Error	WARN	2014.274.22.23.54.062	2296B78
RAM Single Bit Error	WARN	2014.275.21.58.15.295	213A9BC

7 FOS System Status

All FOS systems behave nominal during this period with the following exception:

- On 02/10/2014 during a periodical maintenance of the PLPCEXT machine, the polling tool of that machine was stopped and not restarted again. As consequence of that, the automatic tool that converts the CNES orbit prediction file into POF files and used by DPGS team did not work properly. The problem was highlighted by DPGS team on Friday afternoon, 03/10/2014, and the polling tool again restarted around 16:00z. After this restart, all the queuing files were again converted and properly transfer to their final end.

8 Data Reception from CNES

The following SBand passes over Kourou station were cancelled due to the unavailability of the station and replaced as follows:

- KRU pass on 04/10/2014 at 08:58 replaced by KER pass at 13:10
- KRU pass on 05/10/2014 at 09:59 replaced by KER pass at 14:12 and AUS pass at 03:23
- KRU pass on 05/10/2014 at 20:48 replaced by SKRN01 pass at 22:00.
- KRU pass on 06/10/2014 at 09:20 replaced by KER pass at 11:53



9 X-Band Data Reception in PXMF

Not used during the present period.

10 Exceptional Activities

None

11 AOB

The third Warm-NIR test calibration was executed on 29/09/2014. The PMS results for LICEF BC03 as seen in Figure-1, were as in the two previous tests fully nominal and the anomaly did not appear.

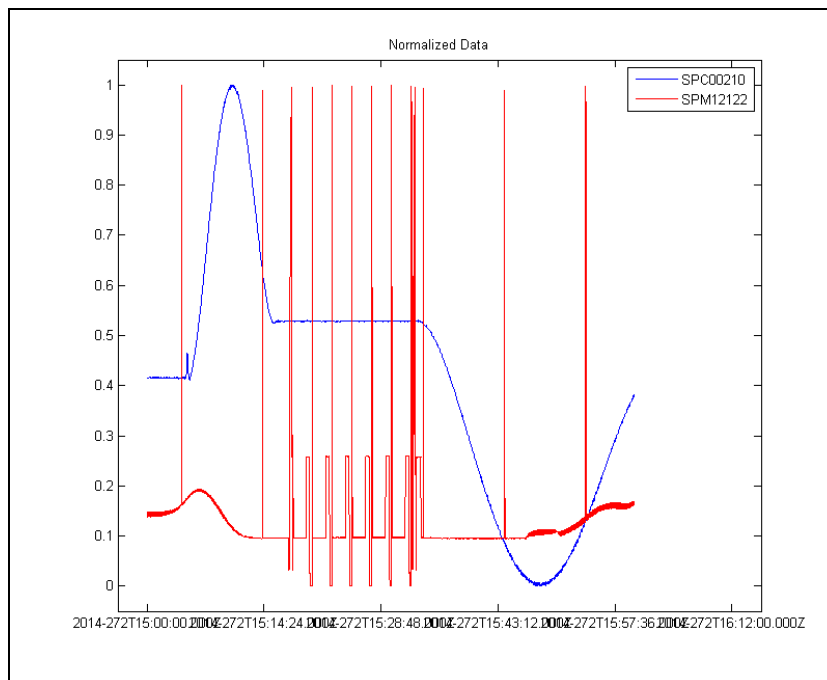


Figure 1

The values of the TP7 sensors remained very stable and well above zero degrees, Figure-2, during the whole calibration period corroborating again the good relationship between the antenna temperature and the PMS anomaly.



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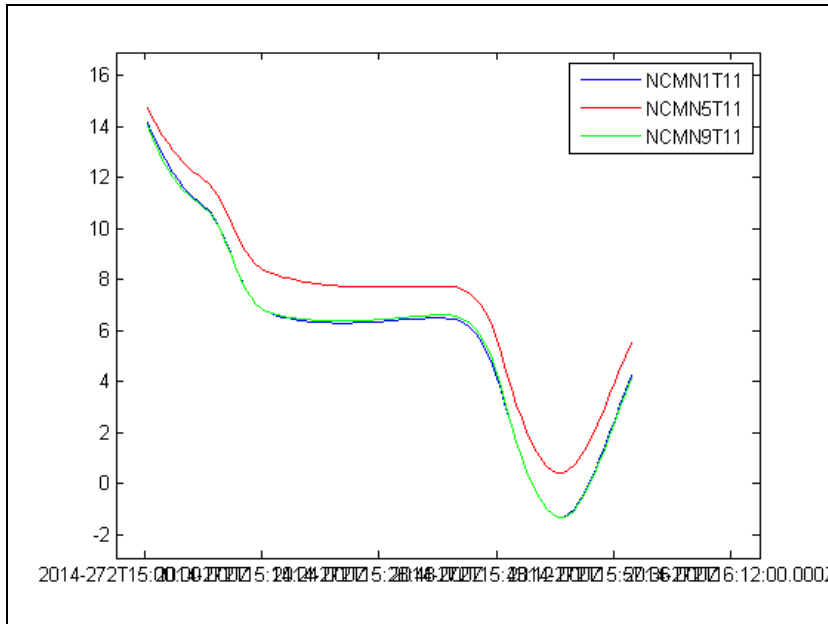


Figure 2



Operations Notes

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APPENDIX A: OOL's

No relevant Out of Limits alarms were received during the present reporting period.