



1 General Comments

The activities scheduled for this week are those planned for calendar week 21 of year 2014, from 19/05/2014 to 26/05/2014 (DOYs 139 to 146).

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 21/05/2014 with ETO at 16:58:00z with the following calibration values:
 - Brightness Temperature= 4.008171
 - RMS= 0.192823
 - Sun Elevation above MIRAS= -8.204920
 - RA= 351.244965
 - DEC= -68.609612
- One PMS offset including three Short Calibrations on day 22/05/2014 (orbit 23922) at 14:33:10.000z, 14:33:34.800z and 14:34:09.600z
- 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 21
from the 19/05/14 to the 26/05/14

1.0

	MAY-2014						
	Mon, 19-MAY-2014	Tue, 20-MAY-2014	Wed, 21-MAY-2014	Thu, 22-MAY-2014	Fri, 23-MAY-2014	Sat, 24-MAY-2014	Sun, 25-MAY-2014
Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ	████████████████████			████████████████████			
XB_Cmd_Downlink_Svalb_SEQ							
SBand_Visibility_SEQ							
XB_Cmd_Downlink_Vilspa_SEQ							
External_Calibration_NIR_Full_OBOP_SEQ			▮				
Update_Cyclic_LO_Ph_Cal_NoU_Full_EXT_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 new Mass Memory latch-up took place on partition P4 on day 24/05/2014 at 09:46:23z. At the time of the anomaly both MM pointers were located in partition P5. The geolocation of the event was:

Longitude= 110.459007

Latitude=-56.612794

The recovery of the anomaly will be performed on day 27/05/2014 at 04:00:00z according with FOS instruction of CRF-424.

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	2014.142.11.28.33.194	2245A40

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.

On 23/05/14 there were few delays in the reception of PLIVR telemetry files. Those files were later on manually ingested without any problem.

On 25/05/2014 telemetry data from SKRN01 pass at 21:42z was received from CNES with a data gap of 4656 seconds from 25/05/2014 at 18:35:13z to 19:52:49z. This gap was related with a Kourou ground station problem. Telemetry data was filled on the MUST telemetry archive using the XBand telemetry system PXMF.



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

No relevant Out of Limits happened this week.

OBT	Severity	TM Parameter	Alarm Value	Check Value	Message
2014.144.09.46.23.464	ERROR	DMASME37	FALSE	TRUE	STATUS limit is out of nominal range
2014.144.09.46.23.464	ERROR	DMASME08	OFF State	ON STATE	STATUS limit is out of nominal range