



1 General Comments

The activities scheduled for this week are those planned for calendar week 39 of year 2013, from 23/09/2013 to 30/09/2013 (DOYs 266 to 273).

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, three short calibrations, over Antarctica on day 26/09/2013 (DOY 269, orbit 20498) executed at the following times:
15:37:00z, 15:37:34z and 15:38:08z
- 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 39
from the 23/09/13 to the 30/09/13

1.0

	SEP-2013						
	Mon, 23-SEP-2013	Tue, 24-SEP-2013	Wed, 25-SEP-2013	Thu, 26-SEP-2013	Fri, 27-SEP-2013	Sat, 28-SEP-2013	Sun, 29-SEP-2013
Int_LO_Phase_Cal_NoNoise_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_NoNoise_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)

No relevant Out of Limits happened during this period. Further details can be found in Appendix-A.

5 On Board Anomalies

The following anomalies happened during the present reporting period:

- One CMN unlock on C3 unit on day on day 29/09/2013 (DOY 272) at 10:39:42.6. The geolocation of the event was:
LATITUDE=-22.628072
LONGITUDE=293.605361

This event generated ten minutes of degraded data.

- Neither CCU resets nor MM latch ups happened during the reporting period.

6 Telemetry On Board Events in the period.

The following RAM single bit errors were detected during this period:

Event Description	Severity	Event Time	Parameters
RAM SINGLE BIT ERROR	WARN	2013.270.19.42.04	20AE644

7 FOS System Status

No problems.

8 Data Reception from CNES

Several problems have been detected in the last few days in the reception of some of the E_HKTM PLVIR files. In all the affected cases these PLVIR seem to arrive in the wrong time order. In particular the following S-Band pass was affected by that anomaly during the reporting period:

KER-38 on day 2013/09/22



CNES has suggested to slightly modify the delivery configuration in order to solve the problem. CNES will inform ESAC as soon as the modification is done

9 X-Band Data Reception in PXMF

No events on board in the period were causing loss of sensed data.

10 Exceptional Activities

None.

11 AOB

None.



APPENDIX A: OOL's

Event Time	Severity	Parameter	Value		Value		Type	Event		
2013.272.13.57.51.173	ERROR	SPM22167	UNLOCK		STATE:	LOCK STA		STATUS limit is out of nominal range		