



## 1 General Comments

The activities scheduled for this week are those planned for calendar week 48 of year 2013, from 25/11/2013 to 02/12/2013 (DOYs 329 to 336).

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 28/11/2013 (orbit 21405) at 16:25:00.000z, 16:25:34.800z, and 16:26:09.600
- Local oscillator calibration every 10 minutes.

## 2 Mission Planning Deviation

No deviations from the nominal planning happened during this week.



	NOV-2013						
	Mon, 25-NOV-2013	Tue, 26-NOV-2013	Wed, 27-NOV-2013	Thu, 28-NOV-2013	Fri, 29-NOV-2013	Sat, 30-NOV-2013	Sun, 01-DEC-2013
Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ	[Solid black bar]						
XB_Cmd_Downlink_Svalb_SEQ	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]
SBand_Visibility_SEQ	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]
XB_Cmd_Downlink_Wilspa_SEQ	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]
Disable_Cyclic_Function_SEQ				[Green diamond]			
PMS_Offset_Calibration_Full_SEQ				[Green diamond]			
Enable_Cyclic_Function_SEQ				[Green diamond]			



### 3 TC Failures

None.

### 4 Unforeseen Out Of Limits (OOLs)

No major out of limits were received during the present reporting week.

### 5 On Board Anomalies

No payload or platform anomalies happened during this week

### 6 Telemetry On Board Events in the period.

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

Event Description	Severity	Event Time	Parameters
RAM Single Bit Error	WARN	2013.336.04.51.01	2144CF0

### 7 FOS System Status

- On 25/11/2013 one of the three monitors of the PLPC console, PLPCDIS machine, failed. It was immediately substituted by the current FOEXT monitor. The monitor of that PC has been replaced by the last spare monitor at the FOS. In order to have backup monitors in the future two new monitors have already been purchased.
- On 28/11/2013 a swap machine exercise from PLPC prime to backup system, was performed in order to check the status and health of both systems and their further reconnection with the PLPC disk array. The exercised was performed during the two first SBand passes of that day. The second pass was successfully received over the redundant system. Few problems were seen at the time of the reboot of the prime machine prior the connection to the backup system due to problems with the data filesystem not mounted properly. Further consistency checks on the PLPC array disk were executed and the system was again rebooted without problems. The prime system was again reconnected after the second pass of the day and all the remaining passes successfully acquired over the prime system. The exercise was also used to validate a new FOS procedure describing the contingency case where a swap between the two systems may be needed. It was also used to install a new backup disk for the PLPC disk array system to be used in case of contingency problems with that storage device.



- On 29/11/2013 around 08:30z, the PLPCDIS machine crashed and no responding to the PLPC connections. GMV SW support was immediately contacted and the machine rebooted. Unfortunately the reboot did not work properly since some parts of the filesystem were not mounted correctly after that reboot. A FSCK filesystem check out was executed and the errors then properly fixed. The system was again rebooted and the PLPC connection reestablished around 09:15z half an hour before the reception of the first morning Sband pass. No data losses happened due this problem.  
Similar problem happened again on 02/12/2013 since the machine appeared totally frozen and no responding to any user inputs from day 29/11/2013 at 15:49:59z onwards. No clear reason for these two anomalies have been found yet but in case this hardware problem may happen again there is already a new backup machine, PXMFDIS, ready to be installed instead of the existing one. No data losses are happening due these two anomalies since the problems only appear at SCOS display level.

## **8 Data Reception from CNES**

No data reception problems this week.

## **9 X-Band Data Reception in PXMF**

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

## **10 Exceptional Activities**

As already mentioned in section 7, the only exceptional activity at ground level was the one related with the PLPC machine swap.

## **11 AOB**

None.



## **APPENDIX A: OOL's**

No relevant anomalies can be reported during this week.