



## 1 General Comments

The activities scheduled for this week are those planned for calendar week 35 of year 2013, from 26/08/2013 to 02/09/2013 (DOYs 238 to 245).

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, short calibration, on 22/08/2013 at 15:00:15z
- One NIR External calibration on 28/08/2013 starting at 15:44:57z with ETO at 16:26:04z and external pointing at RA= 75.178490 and DEC=32.494186
- Local oscillator calibration every 10 minutes.

## 2 Mission Planning Deviation

No planning deviations during this reporting period.



# Operations Notes

FOS Team @ ESAC

Topic:  
Date:  
Issue:

**FOS Report for week 35**  
from the 26/08/13 to the 02/09/13  
**1.0**

	AUG-2013						
	Mon, 26-AUG-2013	Tue, 27-AUG-2013	Wed, 28-AUG-2013	Thu, 29-AUG-2013	Fri, 30-AUG-2013	Sat, 31-AUG-2013	Sun, 01-SEP-2013
Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ	[Black bars indicating data]						
XB_Cmd_Downlink_Svalb_SEQ	[Vertical tick marks]						
XB_Cmd_Downlink_Vilspa_SEQ	[Vertical tick marks]						
SBand_Visibility_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)

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

### 5 On Board Anomalies

No anomalies happened during this 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	2013.240.22.05.46	2279820
RAM single Bit Error	Warn	2013.244.22.06.50	2043314

### 7 FOS System Status

After the disk failure happened on the 22/08/2013, both systems, MUST1 and MUST2 are slowly recovering the data gaps happened during the downtime period.

A visit from GMV SW support team took place on the 26/08/2013.

Main activities during that visit were

- Clone of the MIRASIM disk in order to allow its future virtualization.
- Installation and setup of the new PXMFDIS machine. The final set up of this machine with its three monitors failed. Due to that GMV brought back the machine to GMV headquarters for its final setup.
- Basic setup of the future FOS Web page.

### 8 Data Reception from CNES

No problems.



## **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

2013.238.14.18.16.970	WARNING	2013.238.09.55.10.866	NMASME14	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.238.14.18.54.777	WARNING	2013.238.10.16.49.284	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.238.14.18.54.781	WARNING	2013.238.10.16.49.284	NMASME14	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.239.19.42.00.289	WARNING	2013.239.14.20.23.782	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.239.19.42.00.292	WARNING	2013.239.14.20.23.782	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.240.14.39.21.684	WARNING	2013.240.13.34.38.920	NMASME08	VAL: 3	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.240.14.39.21.689	WARNING	2013.240.13.34.38.920	NMASME16	VAL: 3	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.240.22.54.57.992	WARNING	2013.240.21.36.32.005	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.240.22.54.57.996	WARNING	2013.240.21.36.32.005	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.240.22.55.30.800	WARNING	2013.240.21.55.18.810	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.240.22.55.30.804	WARNING	2013.240.21.55.18.810	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.240.23.54.54.420	WARNING	2013.240.22.45.35.648	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.240.23.54.54.421	WARNING	2013.240.22.45.35.648	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.241.06.25.48.136	WARNING	2013.241.01.03.44.098	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.241.06.25.48.138	WARNING	2013.241.01.03.44.098	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.241.12.25.06.312	WARNING	2013.241.11.13.50.446	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.241.12.25.06.315	WARNING	2013.241.11.13.50.446	NMASME13	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.05.56.02.516	WARNING	2013.242.02.12.00.520	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.05.56.02.517	WARNING	2013.242.02.12.00.520	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.05.56.39.257	WARNING	2013.242.02.33.02.919	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.05.56.39.258	WARNING	2013.242.02.33.02.919	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range



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2013.242.09.21.28.786	WARNING	BEHV_WITH_COMMUTATION	undefined	in MIS	Ccon	fig	. Usi	ng	default=N0
2013.242.13.22.35.730	WARNING	2013.242.10.40.17.599	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.13.22.35.732	WARNING	2013.242.10.40.17.599	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.17.54.38.803	WARNING	2013.242.14.07.29.705	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.17.54.38.805	WARNING	2013.242.14.07.29.705	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.17.56.39.383	WARNING	2013.242.15.16.34.534	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.17.56.39.385	WARNING	2013.242.15.16.34.534	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.17.58.50.168	WARNING	2013.242.16.25.38.184	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.17.58.50.172	WARNING	2013.242.16.25.38.184	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.22.38.37.982	WARNING	2013.242.17.35.02.229	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.242.22.38.37.984	WARNING	2013.242.17.35.02.229	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.243.01.28.19.218	WARNING	2013.243.00.30.02.440	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.243.01.28.19.221	WARNING	2013.243.00.30.02.440	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.243.13.01.51.099	WARNING	2013.243.09.46.37.525	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.243.13.01.51.105	WARNING	2013.243.09.46.37.525	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.243.13.05.57.406	WARNING	2013.243.12.07.41.215	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.243.13.05.57.409	WARNING	2013.243.12.07.41.215	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.243.22.01.42.298	WARNING	2013.243.14.26.20.891	NMASME08	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range
2013.243.22.01.42.301	WARNING	2013.243.14.26.20.891	NMASME15	VAL: 1	LOW	:0	HIGH	:0	SOFT limit is out of nominal range