



## 1 General Comments

The activities scheduled for this week are those planned for calendar week 15 of year 2015, from 06/04/2015 to 13/04/2015 (DOYs 096 to 103).

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 08/04/2015 with ETO at 02:49:00z with the following calibration values.  
Brightness Temperature= 3.945375  
RMS=0.796484  
Sun Elevation above MIRAS= 1.459742  
RA= 92.351273  
DEC= -57.795429
- One PMS offset including three Short Calibrations on day 09/04/2015 (orbit 28355) at 19:00:00.000z, 19:00:34.800 and 19:01:09.600.
- 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

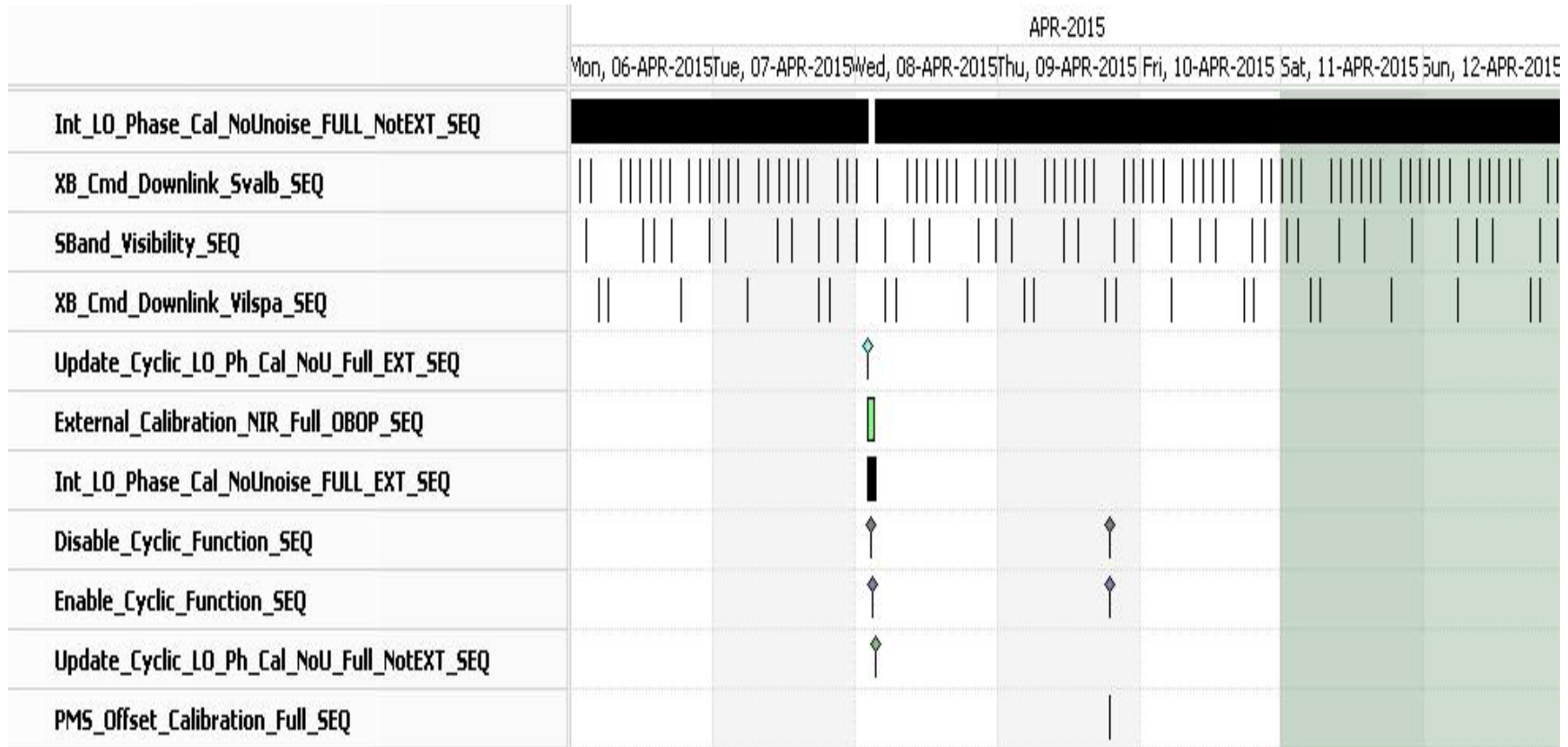
Topic:

Date:

Issue:

**FOS Report for week 15**  
from the 06/04/15 to the 13/04/15

**1.0**





### 3 TC Failures

None.

### 4 Unforeseen Out of Limits (OOLs)

None.

### 5 On Board Anomalies

No payload anomalies happened during this reporting period.

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

The following RAM Single Bit memory errors were received during the present report period:

Event Description	Severity	Event Time	Parameters
RAM Single Bit Error	WARN	2015.099.10.28.36.450	22A6870
RAM Single Bit Error	WARN	2015.101.22.45.38.446	22D4880

### 7 FOS System Status

All FOS systems behaved nominal during this period exception of:

- On 07/04/2015, one of the three monitors of FOS PLPCDBS PC failed and it was substituted by a spare one.

### 8 Data Reception from CNES

All SBand passes of the week were correctly received from CNES and successfully processed by the FOS PLPC except:

- On 06/04/2015 and for KER-10 ground station pass at 12:18z, a short telemetry gap from 08:14:43.096z to 08:14:49.086z was detected at PLPC level, in total 8 telemetry packets were lost. No data recovery was required due to the short duration of that gap.
- On 07/04/2015 and for AUS-7 ground station pass at 17:53z, there was a long telemetry gap from 13:21:18z to 16:03:21z. In total 1328 telemetry packets were lost. CNES confirmed the anomaly at ground station level since the station antenna reached its position 4 minutes after the foreseen AOS time. The first TM acquisition took place at 17:57:39z instead of 17:53z. as consequence of that E\_HKTM Telemetry was lost but MIRAS telemetry was retrieved by FOS using XBand telemetry and finally ingested at MUST-SMTA level.



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

PXMF system was used to recover MIRAS telemetry gap on 07/04/2015 (see section above)

## **10 Exceptional Activities**

None.

## **11 AOB**

A special CRF number 490, was issued by FOS on Friday 8<sup>th</sup> of April, describing the operations required to upload the new versions of OBOPs 13 and 14 the following week.

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

No relevant Out of Limits were received this reporting week.