



1 General Comments

The activities scheduled for this week are those planned for calendar week 25 of year 2015, from 15/06/2015 to 22/06/2015 (DOYs 166 to 173).

The following routine activities were planned during this week (see Gantt chart on next page):

- One External Calibration (NIR) with Inertial Pointing scheduled ETO, on 2015-06-17T03:38:00z.
Brightness Temperature= 3.49
RMS= 0.11
Sun Elevation above MIRAS=8.76
RA=180.88
DEC=35.3
- One PMS offset including three Short Calibrations on day 2015-06-18 (orbit 29562) at 13:34:00.000z, 13:35:09.600z and 13:35:44.400.
- Local oscillator calibration every 10 minutes.
- X-Band Passes over ESAC and Svalbard.

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 25
from the 15/06/15 to the 22/06/15

1.0

| | JUN-2015 | | | | | | |
|---|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Mon, 15-JUN-2015 | Tue, 16-JUN-2015 | Wed, 17-JUN-2015 | Thu, 18-JUN-2015 | Fri, 19-JUN-2015 | Sat, 20-JUN-2015 | Sun, 21-JUN-2015 |
| Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ | [Solid black bar] | | | | | | |
| SBand_Visibility_SEQ | [Vertical bars] | [Vertical bars] | [Vertical bars] | [Vertical bars] | [Vertical bars] | [Vertical bars] | [Vertical bars] |
| XB_Cmd_Downlink_Svalb_SEQ | [Vertical bars] | [Vertical bars] | [Vertical bars] | [Vertical bars] | [Vertical bars] | [Vertical bars] | [Vertical bars] |
| XB_Cmd_Downlink_Vilspa_SEQ | [Vertical bars] | [Vertical bars] | [Vertical bars] | [Vertical bars] | [Vertical bars] | [Vertical bars] | [Vertical bars] |
| 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 were received during this reporting week.

5 On Board Anomalies

No payload anomalies happened during this week.

6 Telemetry On Board Events in the period.

The following RAM single bit errors happened during the present reporting period:

| Event Description | Severity | Event Time | Parameters |
|----------------------|----------|-----------------------|------------|
| RAM single Bit Error | WARN | 2015.171.10.02.22.077 | 2040400 |
| RAM single Bit Error | WARN | 2015.171.09.31.36.453 | 2331D40 |
| RAM single Bit Error | WARN | 2015.170.11.07.44.078 | 210E99C |
| RAM single Bit Error | WARN | 2015.166.23.11.02.767 | 202353C |

7 FOS System Status

All FOS systems behaved nominal during this period.

8 Data Reception from CNES

All SBand telemetry passes were received at ESAC and successfully processed by PLPC with the following minor exception:

- On 2015-06-15 the PLPC ingestion of E_HKTM PLVIR files for GS pass KER-32 failed. The failed files were manually ingested by the execution of script *move_PLVIR.sh*. The reason for the failure seems to be related with the change of the polling frequency of the PLPC Polling task that was recently modified due to a modification on the E_HKTM ingestion task. To avoid the problem that frequency has now been changed on the PLPC POLL.dat file to new value 30.
- On 20/06/2015 and for SKRN01 21 pass. 14013 telemetry packets were lost from 13:41:07z to 15:49:02z. CNES informed that there was an anomaly with this station and the TM was not recoverable.
- On 21/06/2015 SKRN01 22 pass. 7287 telemetry packets were lost from 17:36:51z to 18:43:09z. CNES informed that there was an anomaly with this station and the TM was not recoverable



9 X-Band Data Reception in PXMF

It was used to recover the MIRAS PUS telemetry gaps created by the anomaly on station pass SKRN01-21 and 22.

10 Exceptional Activities

None.

11 AOB

None

APPENDIX A: OOL's

No relevant out of limits were received on FOS PLPC during this reporting period.