



1 General Comments

The activities scheduled for this week are those planned for calendar week 38 of year 2013, from 16/09/2013 to 23/09/2013 (DOYs 259 to 266).

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, on 19/09/2013 (DOY 262) at 16:51:32z, 16:52:06z and 16:52:40z
- Local oscillator calibration every 10 minutes.

2 Mission Planning Deviation

No deviations from the nominal planning happened during this week.



| | SEP-2013 | | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Mon, 16-SEP-2013 | Tue, 17-SEP-2013 | Wed, 18-SEP-2013 | Thu, 19-SEP-2013 | Fri, 20-SEP-2013 | Sat, 21-SEP-2013 | Sun, 22-SEP-2013 |
| Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ | [Black bar] | | | | | | |
| XB_Cmd_Downlink_Syalb_SEQ | [Vertical lines] | [Vertical lines] | [Vertical lines] | [Vertical lines] | [Vertical lines] | [Vertical lines] | [Vertical lines] |
| SBand_Visibility_SEQ | [Vertical lines] | [Vertical lines] | [Vertical lines] | [Vertical lines] | [Vertical lines] | [Vertical lines] | [Vertical lines] |
| XB_Cmd_Downlink_Vilspa_SEQ | [Vertical lines] | [Vertical lines] | [Vertical lines] | [Vertical lines] | [Vertical lines] | [Vertical lines] | [Vertical lines] |
| Disable_Cyclic_Function_SEQ | | | | [Blue diamond] | | | |
| PMS_Offset_Calibration_Full_SEQ | | | | [Blue diamond] | | | |
| Enable_Cyclic_Function_SEQ | | | | [Blue diamond] | | | |



3 TC Failures

None.

4 Unforeseen Out Of Limits (OOLs)

One double bit memory error happened in Mass Memory partition P9 on day 19/09/2013 (DOY 262) at 09:14:50z. The error was indicated by an out of limits alarm in parameter DMASME48 "DB Erro in P9". No impact on science data since MM partition P9 is not nominally used.

5 On Board Anomalies

The following onboard anomalies happened during the reporting period:

- CMN unlock on C3 on day 18/09/2013 at 20:30:06z. The Geolocation of the event was:
LON= 319.438616
LAT= -19.742550
- CMN unlock on H1 partition on day 20/09/2013 at 20:52:15z. The geolocation of the event was:
LON=313.91
LAT=-19.68

Both CMN unlocks happened inside the South Atlantic Anomaly area with an impact of 10 minutes of science degraded data each.

- One double bit memory error on day 19/09/2013 at 9:14:50z on MM partition P9. No impact.

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 | WAR | 2013.259.08.21.32 | 217FD78 |
| Ram Single Bit Error | WAR | 2013.260.19.05.58 | 210FDF8 |

7 FOS System Status

-Recovery of the MUST1 backup files finished on 2013/09/16 after about 4 days of data recovery. Some small data gaps still need to recovery on demand bases.



- 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 passes were affected by that anomaly:

KRU-10 on day 2013/09/10

KRU-17, on day 2013/09/15

KRU-18, on day 2013/09/15

KRU-19 on day 2013/09/16

KRU-20 on day 2013/09/18

KER-38 on day 2013/09/22

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

| | | | | |
|-----------------------|---------|----------|-----------|---|
| 2013.257.02.25.28.534 | WARNING | NMASME15 | LOW | SOFT limit is out of nominal range |
| 2013.262.00.49.39.558 | ERROR | SPM22167 | UNLOCK | LOCK STATUS limit is out of nominal range |
| 2013.262.13.49.50.397 | ERROR | DMASME48 | FALSE | True STATUS limit is out of nominal range |
| 2013.263.09.07.30.380 | ERROR | XRCMAN | OFF STATE | STATUS limit is out of nominal range |
| 2013.263.09.07.30.381 | ERROR | XRCMAR | ON STATE | STATUS limit is out of nominal range |
| 2013.263.09.07.30.381 | ERROR | XRCMBR | ON STATE | STATUS limit is out of nominal range |
| 2013.264.04.55.24.659 | ERROR | SPM11162 | NOT-OK | STATUS limit is out of nominal range |
| 2013.264.04.55.24.845 | ERROR | SPM11167 | UNLOCK | LOCK STATUS limit is out of nominal range |