1 General Comments

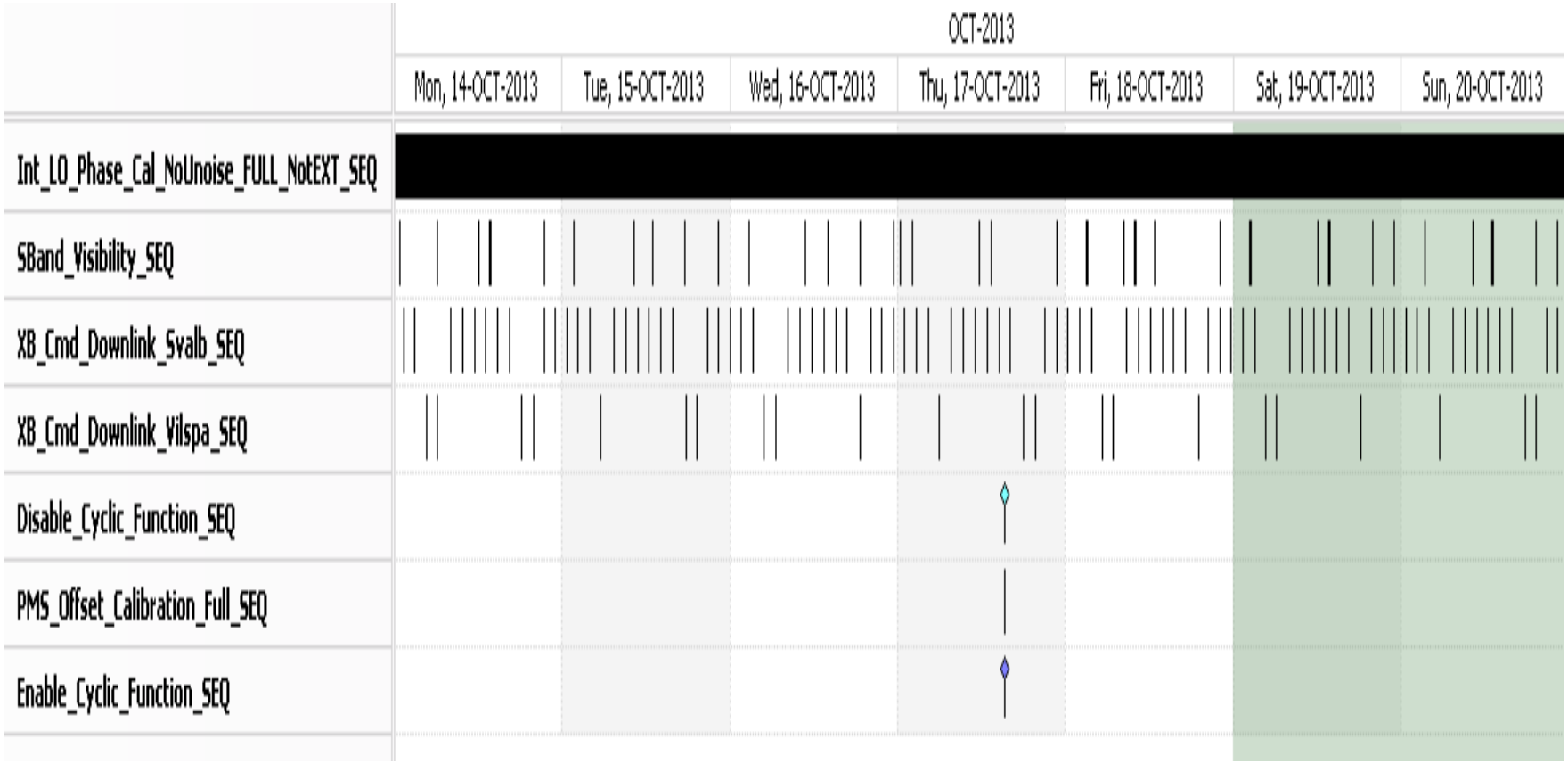
The activities scheduled for this week are those planned for calendar week 42 of year 2013, from 14/10/2013 to 21/10/2013 (DOYs 287 to 294).

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 17/10/2013 (orbit 20800) at 15:20:00z, 15;20:34z and 15:21:08z.
- Local oscillator calibration every 10 minutes.

2 Mission Planning Deviation

No deviations from the nominal planning happened during this week.


OCT-2013
Mon, 14-OCT-2013
Tue, 15-OCT-2013
Wed, 16-OCT-2013
Thu, 17-OCT-2013
Fri, 18-OCT-2013
Sat, 19-OCT-2013
Sun, 20-OCT-2013
Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ
SBand_Visibility_SEQ
XB_Cmd_Downlink_Svalb_SEQ
XB_Cmd_Downlink_Vilspa_SEQ
Disable_Cyclic_Function_SEQ
PMS_Offset_Calibration_Full_SEQ
Enable_Cyclic_Function_SEQ

3 TC Failures

None.

4 Unforeseen Out Of Limits (OOLs)

The only two relevant OOL are the ones related to the Mass Memory latch up on partition P2. (see Appendix-A for further details)

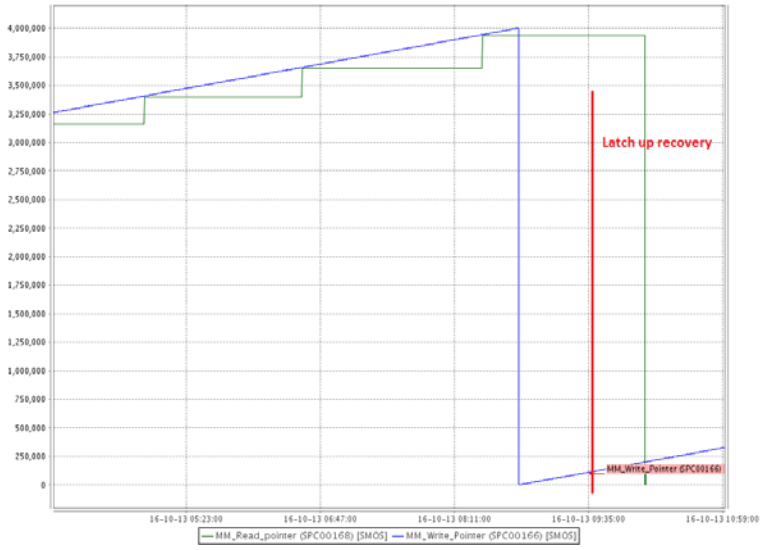
5 On Board Anomalies

The following anomalies happened during this reporting week:

- A new Mass Memory latch up on partition P2 happened on day 14/10/2013 at 09:21:28z. The geolocation of the event was:

  Longitude=309.955747
  Latitude=-2.17623

  The anomaly was recovered on day 16/10/2013 at 9:30:00z, and the corresponding recovery procedure uplinked by CNES on 15/10/2013 during the KOUROU-18 pass (FOS CRF-380)
  Unfortunately the time seleted for the recover was not totally correct since at the time of the recovery, the Write pointer was in a right position, partition P0, while the read pointer was still at that time in partition P9 (see figure below). As consequence of that, 26 minutes and 13 seconds of science data were lost from day 16/10/2013 08:25 to 16/10/2013 08:51.



6 Telemetry On Board Events in the period.

Only one single bit error was detected during this period, see here below for further details:

Event Description	Severity	Event Time	Parameters
RAM Single Bit Error	WARN	2013.290.20.03.08	22A284

7 FOS System Status

Nothing to report all systems are nominal.

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

Mass Memory latch up recovery procedure on 16/10/2013 at 09:30z as specified in CRF-380

11 AOB

None.

APPENDIX A: OOL's

Earth Reception Time	Severity	Onboar Time	TM Parameter	OOL	Type	NOMINAL	Message
2013.287.12.38.58.855	ERROR	2013.287.09.21.28.626	DMASME37	FALSE	STATE	TRUE	STATUS limit is out of nominal range
2013.287.12.38.58.856	ERROR	2013.287.09.21.28.626	DMASME10	OFF	STATE	ON	STATUS limit is out of nominal range