1 General Comments

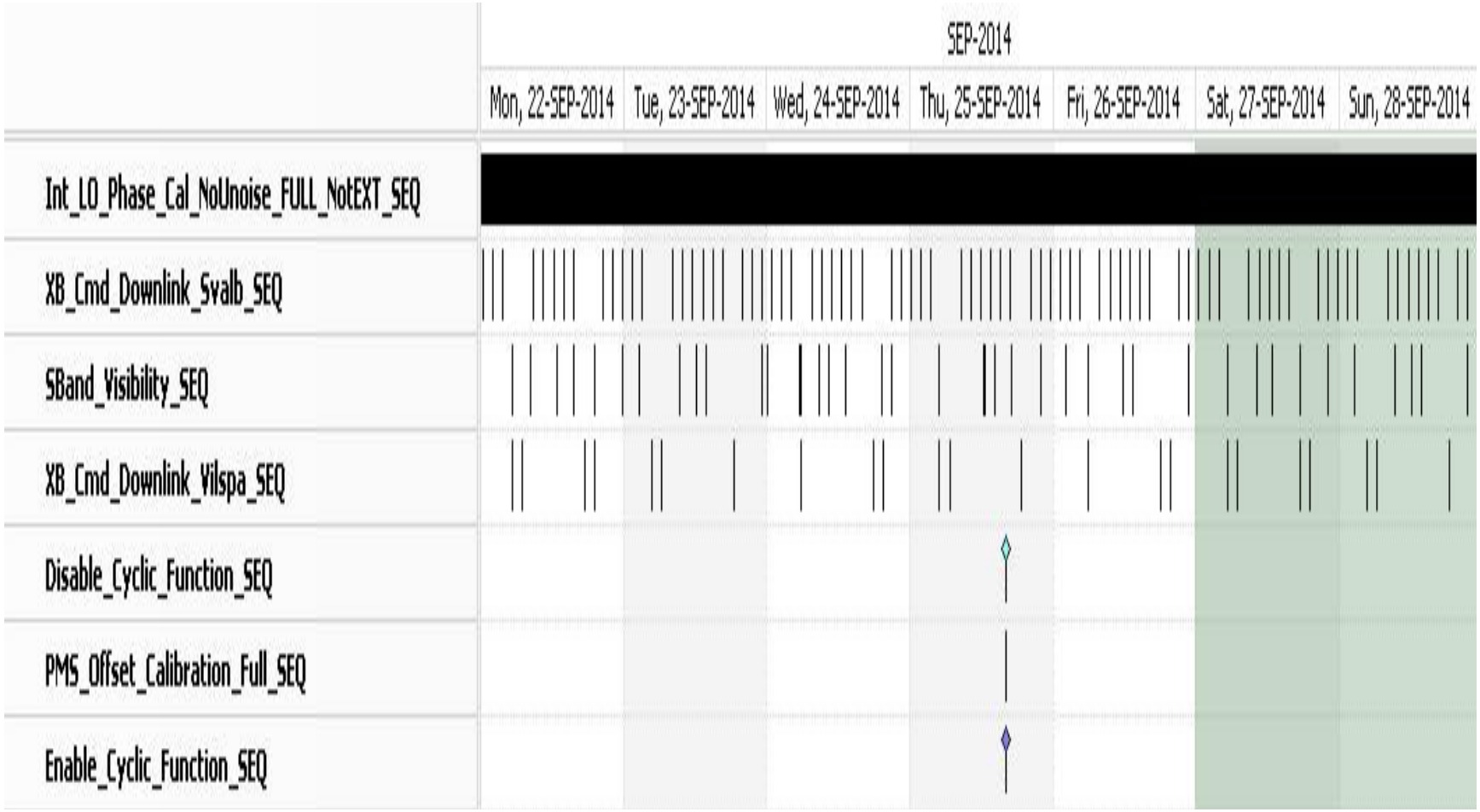
The activities scheduled for this week are those planned for calendar week 39 of year 2014, from 22/09/2014 to 29/09/2014 (DOYs 265 to 272).

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 25/09/2014 (orbit 25735) at 16:08:00.000z, 16:08:34.800 and 16:09:09.600.
- PROTEUS Gyro Calibration on the 24/09/2014 from 13:20 to 14:28. MIRAS ITL will be disabled between these two times. As consequence of that Svalbard XBand pass at 14:36z was cancelled and DPGS and Svalbard teams informed accordingly.
- Local oscillator calibration every 10 minutes.

2 Mission Planning Deviation

No deviations from the nominal planning happened during this week.


SEP-2014
Mon, 22-SEP-2014
Tue, 23-SEP-2014
Wed, 24-SEP-2014
Thu, 25-SEP-2014
Fri, 26-SEP-2014
Sat, 27-SEP-2014
Sun, 28-SEP-2014
Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ
XB_Cmd_Downlink_Svalb_SEQ
SBand_Visibility_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 list of out limits received during this week can be seen in Appendix-A.

5 On Board Anomalies

- A new Mass Memory latch up happened for partition P6 on day 22/09/2014 at 21:08:47z. At the time of the anomaly both memory pointers, Write and Read, where also located in partition P6 therefore some data losses were expected. The anomaly was recovered via CRF 445 on day 23/09/2014 at 19:00z. The geolocation of the event was in South America with the following geographical coordinates:
  Longitude=308.241493
  Latitude=-28.325271
- Another Mass Memory latch up happened for partition P5 on day 24/09/2014 at 08:48:56z. At the time of the anomaly both memory pointers, Write and Read, where located in partition P0. The anomaly was recovered via CRF 446 on day 25/09/2014 at 15:30z. The geolocation of the event was in South America with the following geographical coordinates:
  Longitude= 319.718954
  Latitude= -12.940048

6 Telemetry On Board Events in the period.

The following RAM single bit errors happened during this week:

Event Description	Severity	Event Time	Parameters
RAM Single Bit Error	WARN	2014.271.20.20.04.642	2206100
RAM Single Bit Error	WARN	2014.271.20.35.50.255	2290A38

7 FOS System Status

All FOS systems behaved nominal during this period with the following exceptions:

- SPGF, FOS Mission Planning system, which was rebooted on Monday 22/09/2014 in order to improve its bad performance. After the reboot, the file transfer daemon that takes care of the file transfer between the different ground segment elements, including CNES, did not restart properly. As consequence of

that, the SVC request and XBDown files normally sent on Monday to CNES and DPGS were not transferred. The problem was spotted by the CNES operations team on Wednesday morning, triggering an action on the FOS team to restart the SPGF daemon again. After this restart the two missing files were properly transferred to their final end on Wednesday morning.

- PLPC Time correlation task crashed during the reception of pass AUS-29 on day 26/09/2014 at 06:29:29z. The time correlation task was again successfully restarted at 06:46:55z. Between these two times all the TM packets generated with OBT from 03:24:58.274z to 04:05:18.697z were archived on Data Stream number 4 instead od 1. At the end of the pass, PLPC system was rebooted and all the data previously archived for that pass deleted. Source telemetry files from CNES were again successfully ingested and processed on PLPC system.

8 Data Reception from CNES

No problems during this reporting period.

9 X-Band Data Reception in PXMF

Not used during the present period.

10 Exceptional Activities

None

11 AOB

None.

APPENDIX A: OOL's

The following Out of Limits related to the two Mass Memory Latch ups that took place on the 22/09/2014 and 24/09/2014 and the ITL stop due to the Gyro Calibration on 24/09/2014 were received on PLPC system.

OBT	Severity	TM Parameter	Alarm Value	Check Value	TM Description
2014.267.13.18.44.945	Hard-High	NTLHK022	Disabled	Enabled	ITL Ena State
2014.267.08.48.55.595	Hard-High	DMASME07	TRUE	FALSE	Lu Switch P5
2014.267.08.48.55.595	Hard-High	DMASME37	ON	OFF	SDD LU Detected
2014.265.21.08.47.156	Hard-High	DMASME06	TRUE	FALSE	Lu Switch P6
2014.265.21.08.47.156	Hard-High	DMASME37	ON	OFF	SDD LU Detected