



1 General Comments

The activities scheduled for this week are those planned for calendar week 04 of year 2014, from 20/01/2014 to 27/01/2014 (DOYs 020 to 027).

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 23/01/2014 (orbit 22212) at 18:25:00.000z, 18:25:34.800z and 17:26:09.600z
- Local oscillator calibration every 10 minutes.

2 Mission Planning Deviation

No deviations from the nominal planning happened during this week.



	JAN-2014						
	Mon, 20-JAN-2014	Tue, 21-JAN-2014	Wed, 22-JAN-2014	Thu, 23-JAN-2014	Fri, 24-JAN-2014	Sat, 25-JAN-2014	Sun, 26-JAN-2014
Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ	[Solid black bar]						
XB_Cmd_Downlink_Svalb_SEQ	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]
SBand_Visibility_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]
Disable_Cyclic_Function_SEQ				[Diamond]			
PMS_Offset_Calibration_Full_SEQ				[Vertical line]			
Enable_Cyclic_Function_SEQ				[Diamond]			



3 TC Failures

None.

4 Unforeseen Out Of Limits (OOLs)

The only relevant out of limits were the ones received at the time of the Mass Memory latch on partition P2 on day 23/01/2014 (see Appendix-A for further details)

5 On Board Anomalies

- A new Mass Memory latch up happened in partition P2 on day 23/01/2014 at 19:03:32z. At the time of the anomaly both Write and Read pointers were located on partition P8. The geolocation of this event was

Longitude=303.499

Latitude=-22.765

The anomaly was successfully recovered on day 25/01/2014 at 03:00:00z. No data losses were seen either at the time of the anomaly or the recovery.

6 Telemetry On Board Events in the period.

No single bit errors happened during this week.

7 FOS System Status

All FOS subsystems behaved nominally during the present reporting period.

8 Data Reception from CNES

- Telemetry data delivery from SKRN station at 22:09z on day 21/01/2014 and KER passes at 00:49 and 02:28z on day 22/01/2014 were delayed due to an internal CNES problem. Data was successfully later on delivered to ESAC on 22/01/2014 at 08:00z



9 X-Band Data Reception in PXMF

Not used during the present reporting period since no S-Band passes were lost during this week.

10 Exceptional Activities

An exceptional CRF number 398, was issued by the FOS on day 24/01/2014 in order to recover the MM latch-up anomaly of day 23/01/2014.

11 AOB

- A small anomaly was detected on telemetry parameter *NCMN2T01 "CMN2 ref1 Temp"* since some negative spikes, values below zero, were detected for that parameter from the 17th of January 2014 onwards. This parameter is one of the two reference thermistors for CMN2 ARM-A used internally to calibrate measurements from all the remaining thermistors. The current hard limit for that parameter on the PLPC system is set to zero. So far no real Out of Limit alarm appeared on the PLPC system since those alarms are only triggered when two consecutive telemetry values appear on the system. Nevertheless and since the trend of that parameter seems to go on the negative direction, and Anomaly Review Board was called by PLSO during the week. Main conclusions so far indicates that no real problem exists and only a redefinition of the current Out of limit value on the PLPC system shall be performed.



APPENDIX A: OOL's

OBT	Severity	TM parameter	Alarm value	Check value	Message
2014.023.21.27.22.393	ERROR	DMASME37	FALSE	TRUE	STATUS limit is out of nominal range
2014.023.21.27.22.393	ERROR	DMASME10	OFF	ON	STATUS limit is out of nominal range
2014.024.02.49.41.760	ERROR	DMASME10	OFF	ON	STATUS limit is out of nominal range