



1 General Comments

The activities scheduled for this week are those planned for the CW04.

	JAN-2013					
	Mon, 21-JAN-2013	Tue, 22-JAN-2013	Wed, 23-JAN-2013	Thu, 24-JAN-2013	Fri, 25-JAN-2013	Sat, 26-JAN-2013
Int_LO_Phase_Cal_NoNoise_FULL_NotEXT_SEQ	[Solid black bar]					
XB_Cmd_Downlink_Svalb_SEQ	[Vertical bars]					
SBand_Visibility_SEQ	[Vertical bars]					
XB_Cmd_Downlink_Vilspa_SEQ	[Vertical bars]					
Short_Calibration_Full_OBOP_SEQ	[Vertical bars]					

This week is scheduled.

X-Band Passes over ESAC and Svalbard.
PMS Offset Calibration on 24/01/2013

2 Mission Planning Deviation

CCU reset recovery on 20/01/2013 at 15:22z.
Due a CCU reset on 24/01/2013 at 20:25z the X_Band passes over Svalbard the onboard programming were cancelled, autodownlink was enabled until the end of the week and instrument LO calibration was set every 6 minutes from 21:46z 24/01/2013 to 09:15z 25/01/2013.



3 TC Failures

None.

In Command History check if there is

4 Unforeseen Out Of Limits (OOLs)

See appendix A for a complete list of OOL's in the period.
Filter

5 On Board Anomalies

One RAM single Bit on 24/01/13 at 20:26:25z
One RAM single Bit on 25/01/13 at 07.52.57z

A CMN unlock One CMN unlock in H3, on the 24/01/13, at 06:37:05z.

The Geolocation for this event is:

LON= 352.045536
LAT= -8.81

The instrument has been recovered successfully from the unlock. The details of the recovery time for the unlock are presented below:

The analysis of the baseline LCF-C-03 (H3) and LCF-C-04 (C1) shows that the CMN H3 recovered in 9 epochs.
The unlock has produced 10 min of degraded data. The baselines which H3 is involved have disabled the interpolation algorithm for the phase calibration between the two closest LO calibration events to the unlock.

One CCU Reset on 24/01/2013 at 20:25z.

6 Telemetry On Board Events in the period.

Event Description	Severity	Event Time	Parameters
RAM single Bit Error	Warn	2013.024.20.26.25.874	2154D0C
RAM single Bit Error	Warn	2013.026.07.52.57.106	2154D0C
MM_Error_Counters_Acq	ALAR	2013.024.20.25.51.439	No



quisition_Failure	M		Response
MM_Scrub_Frequency_Acquisition_Failure	ALAR M	2013.024.20.25.51.459	No Response
MM_Address_Acquisition_Failure	ALAR M	2013.024.20.25.51.499	No Response
MM_Science_Write_Failure	ALAR M	2013.024.20.25.51.749	Link Problem

7 FOS System Status

None

8 Data Reception from CNES

Delays in the reception of the pair of PILVR files, since 21/01/2013 the second file of the two PILVR files is arriving 20 seconds later than the first one, before it arrived with 2 seconds of difference.

This behaviour implies that the polling daemon believes that the second file is missing and it does not work properly and finally moves the set of two PILVR files to failed directory.

9 X-Band Data Reception in PXMF

No events on board in the period were causing loss of sensed data.

10 Exceptional Activities

- CCU reset recovery on 20/01/2013 at 15:22z.
- Due a CCU reset on 24/01/2013 at 20:25z the X_Band passes over Svalbard the onboard programming were cancelled, autodownlink was enabled until the end of the week and instrument LO calibration was set every 6 minutes from 21:46z 24/01/2013 to 09:15z 25/01/2013

11 AOB

None.



Operations Notes

FOS Team @ ESAC

Topic:

Date:

Issue:

FOS Report for week 04
from the 21/01/13 to the 28/01/13

1.0



APPENDIX A: OOL's

Event Logger printout from time: 2013.020.11.22.08.085 to time: 2013.028.09.07.43.947
Current printout time: 2013.028.09.10.02.866

Filter info:

Application : All
Workstation : All
Packets type : All
Packets severity : WARNING, INFORMATION (excluded)
Message filter :

Event time	Stream	Application	Workstation	Severity	Type	Message
2013.020.12.35.34.346	1	BEHVlimitChecker	plpcprm	ERROR	LOG	2013.020.11.55.29.522 NTLHK022 VAL: Disabled STATE: Enabled STATUS limit is out of nominal range
2013.020.14.01.10.341	1	ATMSET_SERVER	plpcprm	ERROR	SOFTWARE	Start Event Loop called twice invocation will retry connection