Operations Notes

FOS Team @ ESAC

Topic:

Date:

Issue:

FOS Report for week 40

from the 30/09/13 to the 07/10/13

1.0

1 General Comments

The activities scheduled for this week are those planned for calendar week 40 of year 2013, from 30/09/2013 to 07/10/2013 (DOYs 273 to 280).

The following routine activities were planned during this week (see Gantt chart on next page):

- X-band passes over ESAC and Svalbard.
- One PMS, three offset calibration on 03/10/2013 (orbit 20599) at :
    - o 16:05:31z
    - o 16:06:05z
    - o 16:06:39z
- Local oscillator calibration every 10 minutes.

2 Mission Planning Deviation

No deviations from the nominal planning happened during this week.

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1.0

OCT-2013

	Mon, 30-SEP-2013	Tue, 01-OCT-2013	Wed, 02-OCT-2013	Thu, 03-OCT-2013	Fri, 04-OCT-2013	Sat, 05-OCT-2013	Sun, 06-OCT-2013
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							

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3 TC Failures

None.

4 Unforeseen Out Of Limits (OOLs)

See Appendix-A

5 On Board Anomalies

The following anomalies happened during the present reporting period:

- One new CMN unlock on H1 unit on day 04/10/2013 at 11:06:27z. The Geolocation of the event was:

    Latitude=53.463199

    Longitude=271.894435

    The instrument was recovered in 3 Epochs producing 10 minutes of degraded data

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	WARN	2013.275.22.24.55.580	21764B8

7 FOS System Status

Nothing to report.

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.

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		Date:	from the 30/09/13 to the 07/10/13
SMOS	*FOS Team @ ESAC*	Issue:	**1.0**

APPENDIX A: OOL's

In this section only Out Of limits implying a reaction from the FOS operator side have now been included. All the errors related with Single bit memory errors and not trigerring any action has been removed.

Earth Reception Tim ▼	Severity ▼	Onboard Generation time ▼					
2013.277.12.41.09.318	ERROR	2013.277.11.06.27.560	SPM11162	NOT-OK	STATE:	OK	STATUS limit is out of nominal range
2013.277.12.41.09.347	ERROR	2013.277.11.06.28.760	SPM11167	UNLOCK	STATE:	LOClK	STATUS limit is out of nominal range