Operations Notes

FOS Team @ ESAC

SMOS

Topic:

Date:

Issue:

FOS Report for week 14
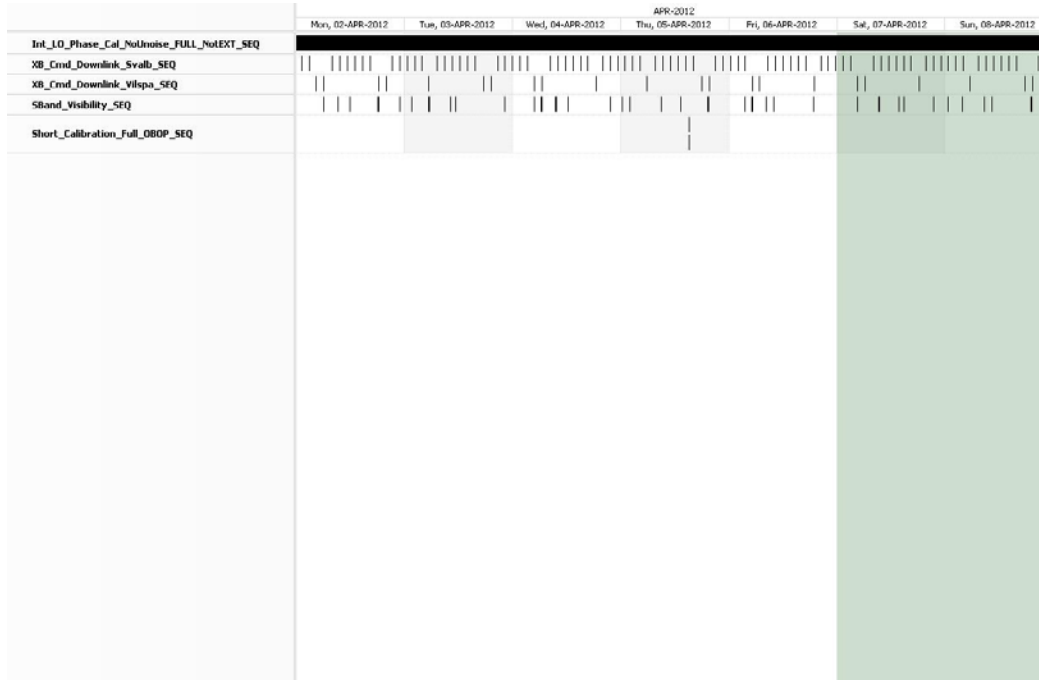
from the 02/04/12 to the 09/04/12

1.0

1 General Comments

The activities scheduled for this week are those planned for the CW14.

This week contained an **OCM** (Orbit Correction Manoeuvre) in the night between the 02/04/2012 and the 03/04/2012 + **PMS Offset Calibration** on the 05/04/2012 in the afternoon, and also X_Band passes over ESAC and Svalbard.

2 Mission Planning Deviation

None.

3 TC Failures

None.

	Operations Notes	Topic:	**FOS Report for week 14**
	FOS Team @ ESAC	Date:	from the 02/04/12 to the 09/04/12
		Issue:	**1.0**

4   Unforseen Out Of Limits (OOLs)

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

5   On Board Anomalies

Risk of collision for SMOS foreseen on the 09/04/2012 @ 06:07 UTC.

No MM Partition Latch-Ups nor CMN_Unlocks in the period.

No autonomous CCU Resets in the period.

6   Telemetry On Board Events in the period.

Event Description	Severity	Event Time	Parameters
RAM single Bit Error	WARN	2012.093.14.32.47.378	207FEF4

7   FOS System Status

None.

8   Data Reception from CNES

No gaps nor missing passes in the period.

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9 X-Band Data Reception in PXMF

The CAM (Collision Avoidance Manoeuvre) on the 07/04/2012 caused **20 minutes** and **38 seconds** of data degraded (external flag triggered).

10 Exceptional Activities

Risk of collision for SMOS foreseen on the 09/04/2012 @ 06:07 UTC

- Exceptional OCG on the 06/04 → FOS was called out
- Collision Avoidance Manoeuvre (CAM) executed on the 07/04 between 16:25:44 and 16:46:22 UTC.

11 AOB

None.

Operations Notes

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from the 02/04/12 to the 09/04/12

1.0

APPENDIX A: OOL's

```
Event Logger printout from time: 2012.093.00.00.00.000 to time: 2012.100.00.00.00.000
Current printout time: 2012.102.07.49.37.618
Filter info:
  Application      : BEHVlimitChecker
  Workstation      : All
  Packets type     : All
  Packets severity : All
  Message filter   : out


Event time              Stream Application Workstation Severity     Type      Message
-----------------------------------------------------------------------------------------------------------------------------------
2012.093.12.24.20.567     1  BEHVlimitChecker    plpcprm     ERROR       LOG 2012.093.09.22.07.397 DPC10107 VAL: PROTEUS STATE: GPS STATUS limit is out of nominal range
2012.094.02.09.47.058     1  BEHVlimitChecker    plpcprm     ERROR       LOG 2012.093.23.54.22.705 NTLHK022 VAL: Disabled STATE: Enabled STATUS limit is out of nominal
range
2012.098.21.53.28.271     1  BEHVlimitChecker    plpcprm     ERROR       LOG 2012.098.16.25.46.297 NTLHK022 VAL: Disabled STATE: Enabled STATUS limit is out of nominal
range
2012.099.09.06.52.326     1  BEHVlimitChecker    plpcprm     WARNING     LOG 2012.099.04.04.01.064 NMASME08 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2012.099.09.06.52.327     1  BEHVlimitChecker    plpcprm     WARNING     LOG 2012.099.04.04.01.064 NMASME14 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2012.099.10.45.50.773     1  BEHVlimitChecker    plpcprm     WARNING     LOG 2012.099.10.07.13.275 NMASME08 VAL: 2 LOW :0 HIGH :0 SOFT limit is out of nominal range
2012.099.10.45.50.774     1  BEHVlimitChecker    plpcprm     WARNING     LOG 2012.099.10.07.13.275 NMASME17 VAL: 2 LOW :0 HIGH :0 SOFT limit is out of nominal range
```