Operations Notes

FOS Team @ ESAC

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FOS Report for week 03
from the 17/01/11 to the 24/01/11

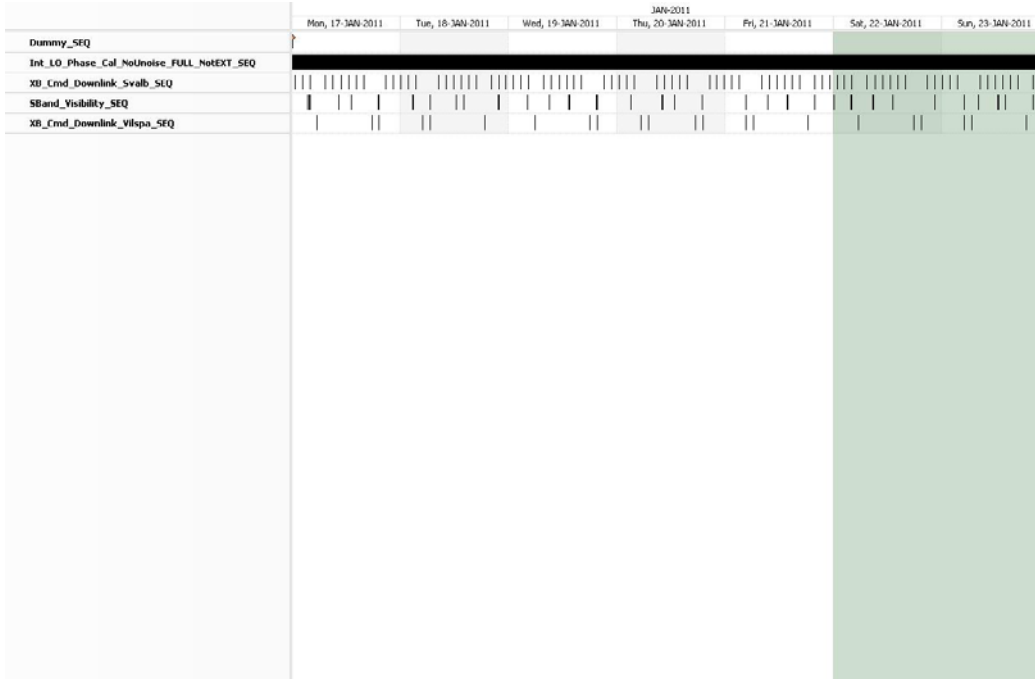# 1 General Comments

The activities scheduled for this week are those planned for the CW03.
This week contains only X-Band Passes over Svalbard and ESAC

During the whole week, the instrument mode was **FULL** and the LO
Phase Calibration activated at **10 min. frequency.**

2 Mission Planning Deviation

For this week, there were only X_Band passes scheduled, however,
some extra activities to be performed as a new way of recovery of the
latched-up P2 (which occurred on last Sunday 16/01) rather than a
"traditional" commanded CCU reset. The process would be:

- to disable scrubbbing,
- switch on the partition,
- re-enable it, and
- re-enable the scrubbing.

and its validity would be assessed on-board after 4 MM latch-ups.

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3 TC Failures

None

4 Unforseen Out Of Limits (OOLs)

Parameter	Description	OOL Time	Value

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

5 On Board Anomalies

CMN_Unlock B1 on 17/01/2011 @ 10:16:57 UTC
CMN_Unlock C2 on 18/01/2011 @ 08:00:58 UTC
CMN_Unlock H3 on 19/01/2011 @ 21:44:31 UTC

No Latch-Ups in the period.
No CCU resets (commanded or autonomous).

6 Telemetry On Board Events in the period.

Event Description	Event Time	Parameters
RAM single Bit Error	2011.019.22.27.58.592	21A0E58
RAM single Bit Error	2011.021.00.16.59.456	22CF348

7 FOS System Status

Still some error messages linked to sftp connectivity, but not affecting operations.

8 Data Reception from CNES

No gaps nor missing passes in the period.

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9 X-Band Data Reception in PXMF

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

10 Exceptional Activities

Electric Maintenance at CNES Informatic Center → Network communications to/from CNES starting from Thursday **20th January 2010 at 17:00 CET** (due to the shutdown of the relevant equipments) **until Friday 21st of January 2010 around 15:00 CET** (after the completion of the start-up of the relevant equipments).

ESAC internet possible downtime re-schedule for 20th of January, 19:30 to 21:30, not impacting in principle SMOS data transmission.

11 AOB

None.

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APPENDIX A: OOL's

```
Event Logger printout from time: 2011.010.00.00.00.000 to time: 2011.024.00.00.00.000
Current printout time: 2011.028.09.12.52.918
Filter info:
  Application      : BEHVlimitChecker
  Workstation      : All
  Packets type     : All
  Packets severity : All
  Message filter   : out


Event time               Stream Application Workstation Severity      Type        Message
--------------------------------------------------------------------------------------------------------------------------------------
2011.017.03.50.58.571       1   BEHVlimitChecker   plpcprm      ERROR       LOG 2011.016.21.59.02.908 DMASME37 VAL: False STATE: True STATUS limit is out of nominal range
2011.017.03.50.58.572       1   BEHVlimitChecker   plpcprm      ERROR       LOG 2011.016.21.59.02.908 DMASME10 VAL: OFF STATE: ON STATUS limit is out of nominal range
2011.017.10.59.30.581       1   BEHVlimitChecker   plpcprm      ERROR       LOG 2011.017.10.16.57.315 SPM17167 VAL: UNLOCK STATE: LOCK STATUS limit is out of nominal range
2011.017.10.59.30.585       1   BEHVlimitChecker   plpcprm      ERROR       LOG 2011.017.10.16.57.315 SPM17162 VAL: NOT-OK STATE: OK STATUS limit is out of nominal range
2011.018.12.49.47.147       1   BEHVlimitChecker   plpcprm      ERROR       LOG 2011.018.08.00.58.035 SPM21167 VAL: UNLOCK STATE: LOCK STATUS limit is out of nominal range
2011.019.13.51.04.064       1   BEHVlimitChecker   plpcprm      WARNING     LOG 2011.019.09.33.13.286 NMASME08 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.019.13.51.04.068       1   BEHVlimitChecker   plpcprm      WARNING     LOG 2011.019.09.33.13.286 NMASME21 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.020.03.37.26.801       1   BEHVlimitChecker   plpcprm      ERROR       LOG 2011.019.21.44.31.694 SPM13167 VAL: UNLOCK STATE: LOCK STATUS limit is out of nominal range
2011.020.03.37.26.802       1   BEHVlimitChecker   plpcprm      ERROR       LOG 2011.019.21.44.31.694 SPM13162 VAL: NOT-OK STATE: OK STATUS limit is out of nominal range
2011.021.10.04.47.080       1   BEHVlimitChecker   plpcprm      WARNING     LOG 2011.021.05.30.01.545 NMASME09 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.021.10.06.40.150       1   BEHVlimitChecker   plpcprm      WARNING     LOG 2011.021.06.34.47.166 NMASME08 VAL: 87 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.021.10.06.40.152       1   BEHVlimitChecker   plpcprm      WARNING     LOG 2011.021.06.34.47.166 NMASME09 VAL: 104 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.021.10.06.40.154       1   BEHVlimitChecker   plpcprm      WARNING     LOG 2011.021.06.34.47.166 NMASME12 VAL: 87 LOW :0 HIGH :0 SOFT limit is out of nominal range
```