Operations Notes

FOS Team @ ESAC

Topic:
Date:
Issue:

FOS Report for week 50
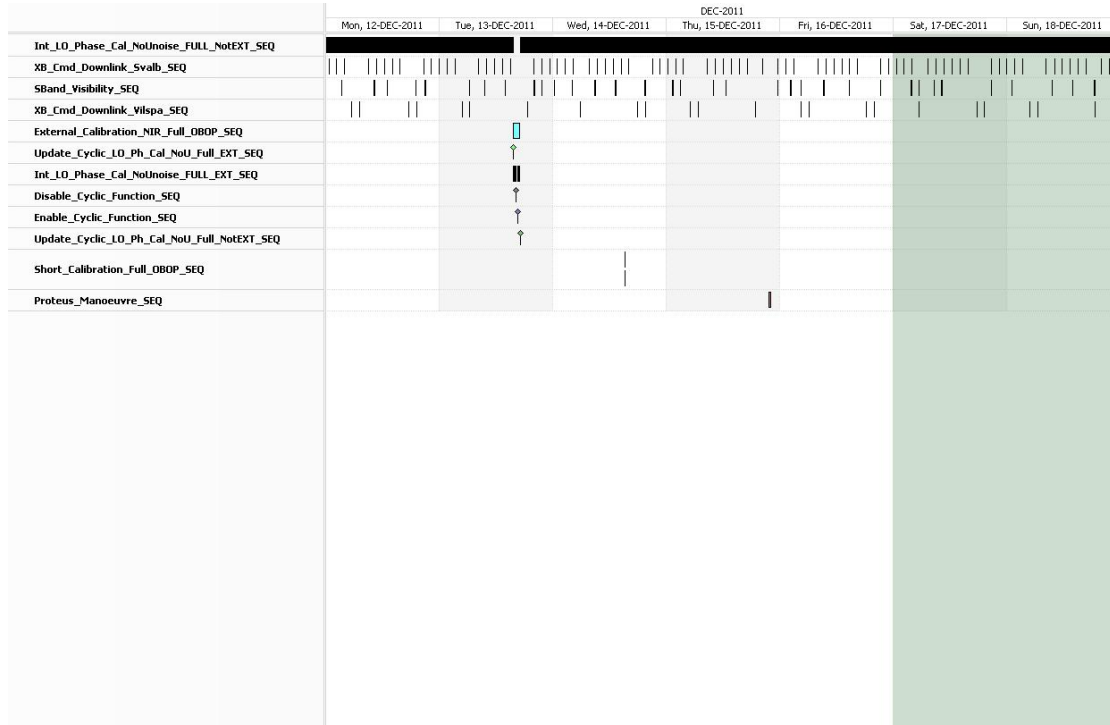from the 12/12/11 to the 19/12/11

1.0

1 General Comments

The activities scheduled for this week are those planned for the CW50.

This week contained a **NIR** External Calibration on the 13/12/11 with **ETO** at **16:26:00 UTC** + **PMS Offset Calibration** on the 14/12/11, and an Orbit Control Manoeuvre (OCM) programmed on the 15/12/11 at 21:55:51 UTC. Besides, X_Band passes over ESAC and Svalbard.

2 Mission Planning Deviation

None.

3 TC Failures

None.

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4 Unforseen Out Of Limits (OOLs)

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

5 On Board Anomalies

No MM Partition Latch-Ups nor CMN Unlocks in the period.

6 Telemetry On Board Events in the period.

Event Description	Severity	Event Time	Parameters
RAM single Bit Error	WARN	2011.346.22.09.24.248	23A01E4
RAM single Bit Error	WARN	2011.349.10.54.21.463	20C3A30

7 FOS System Status

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

8 Data Reception from CNES

There was a GPS perturbation on the 09/11/2011 between 16:15 and 18:15 UTC.

That perturbation caused that our PLPC system had problems with the ingestion of one file belonging to the dump over SKRN01-10 @ 18:48 UTC on 09/11/11 leading to the Time Correlation Server was not OK, and all the TM received from that file was not properly time-stamped on ground. Re-ingestion of all the TM from that dump, skipping the wrong file.

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No gaps nor missing passes in the period.

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

Eclipse season about to start (13/11/11), first Eclipse proper (i.e. with request for battery consumption) on the 25/11/11.

The time of the plpcprm was un-synchronized
And

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APPENDIX A: OOL's

```
Event Logger printout from time: 2011.318.00.00.00.000 to time: 2011.325.00.00.00.000
Current printout time: 2011.325.11.14.22.131
Filter info:
  Application      : BEHVlimitChecker
  Workstation      : All
  Packets type     : All
  Packets severity : All
  Message filter   : out


Event time              Stream Application Workstation Severity    Type      Message
---------------------------------------------------------------------------------------------------------------------------------------
2011.318.08.46.36.683      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.315.10.25.33.438 NMASME08 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.318.08.46.36.684      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.315.10.25.33.438 NMASME21 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.318.08.53.46.358      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.315.14.31.16.784 NMASME08 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.318.08.53.46.360      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.315.14.31.16.784 NMASME16 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.318.08.57.26.028      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.315.16.36.55.240 NMASME08 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.318.08.57.26.029      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.315.16.36.55.240 NMASME14 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.318.10.23.53.522      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.317.18.05.28.170 NMASME08 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.318.10.23.53.523      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.317.18.05.28.170 NMASME10 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.320.10.53.16.244      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.320.05.17.01.402 NMASME08 VAL: 3 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.320.10.53.16.246      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.320.05.17.01.402 NMASME10 VAL: 3 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.320.13.37.13.397      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.320.09.51.37.564 NMASME08 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.320.13.37.13.401      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.320.09.51.37.564 NMASME21 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.321.12.59.28.346      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.320.09.51.37.564 NMASME08 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.321.12.59.28.349      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.320.09.51.37.564 NMASME21 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.323.13.16.14.766      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.323.12.33.36.497 NMASME08 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.323.13.16.14.768      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.323.12.33.36.497 NMASME15 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.324.21.58.45.866      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.324.17.07.44.661 NMASME08 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
2011.324.21.58.45.866      1  BEHVlimitChecker    plpcprm     WARNING     LOG 2011.324.17.07.44.661 NMASME11 VAL: 1 LOW :0 HIGH :0 SOFT limit is out of nominal range
```