	Operations Notes	Topic:	**FOS Report for week 33**
		Date:	from the 12/08/13 to the 19/08/13
	FOS Team @ ESAC	Issue:	**1.0**

1   General Comments

The activities scheduled for this week are those planned for calendar week 33 of year 2013, from 12/08/2013 to 19/08/2013 (DOYs 224 to 231).

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

- X-band passes over ESAC and Svalbard
- Two Long Calibration on 15/08/2013 at 14:32:00z and 16:12:00z
- One External NIR calibration on 14/08/2013 at 16:28:55z (ETO= 17:10:02z)
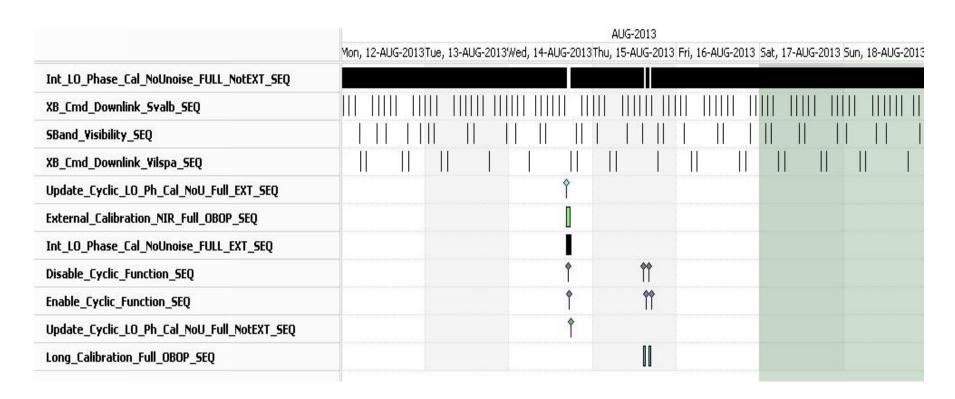- Local Oscillator calibration every 10 minutes.

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2   Mission Planning Deviation

The following planning deviations happened during this reporting week:

- One CMN unlock on H3 on 18/08/2013 at 10:08:02z, data degraded for 10 minutes. CMN recovered in 2 Epochs.
- One Mass Memory latch-up on partition P2 on day 16/08/2013 at 20:14:15z. Since both MM pointers, Write and Read, were located at the time of the event in the affected partition P2, 19 minutes and 46 seconds of data were lost.

3   TC Failures

None.

4   Unforeseen Out Of Limits (OOLs)

Only two relevant Out of limits, the ones related with the CMN unlock and the MM latch up above reported were seen in this week.
See appendix A for a complete list of OOL's in the reporting period.

5   On Board Anomalies

Already included in section 2 of the present report.

6   Telemetry On Board Events in the period.

No single bit errors happened during the present reporting week.

Event Description	Severity	Event Time
RAM single Bit Error	Warn	2013.226.09.23.18
RAM single Bit Error	Warn	2013.229.22.00.30
RAM single Bit Error	Warn	2013.230.18.58.08

7   FOS System Status

Nothing to report.

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8   Data Reception from CNES

No problems happened during the reporting week.

9   X-Band Data Reception in PXMF

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

10 Exceptional Activities

No exceptional activities during the reporting week

11 AOB

None.

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APPENDIX A: OOL's

In the table here below only relevant Out of Limits are displayed.

Event time	Application	Severity	Onboard time	Parameter	Message
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2013.228.21.56.39.907	1 BEHVlimitChecker	ERROR	2013.228.20.14.15.996	DMASME37	VAL: False STATE: True STATUS limit is out of nominal range
2013.228.21.56.39.909	1 BEHVlimitChecker	ERROR	2013.228.20.14.15.996	DMASME10	VAL: OFF STATE: ON STATUS limit is out of nominal range
2013.230.10.17.56.519	1 BEHVlimitChecker	ERROR	2013.230.08.31.19.574	SPM13167	VAL: UNLOCK STATE: LOCK STATUS limit is out of nominal range
2013.230.10.17.56.519	1 BEHVlimitChecker	ERROR	2013.230.08.31.19.574	SPM13162	VAL: NOT-OK STATE: OK STATUS limit is out of nominal range