



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 16, year 2017

from 17 APR 2017 to 24 APR 2017

1.0

1 General Comments

Activities scheduled for this week are those planned for the 16th calendar week of 2017:

17 APR 2017 to 24 APR 2017 (DOYs 107 to 114).

The following routine activities were planned this week (see Gantt chart on next page and CRF 653):

- One PMS Offset on 20 APR 2017 (DOY 110), including three Short Calibrations at 07:34:00,0z, 07:34:34,8z, and 07:35:09,6z (orbit 39228).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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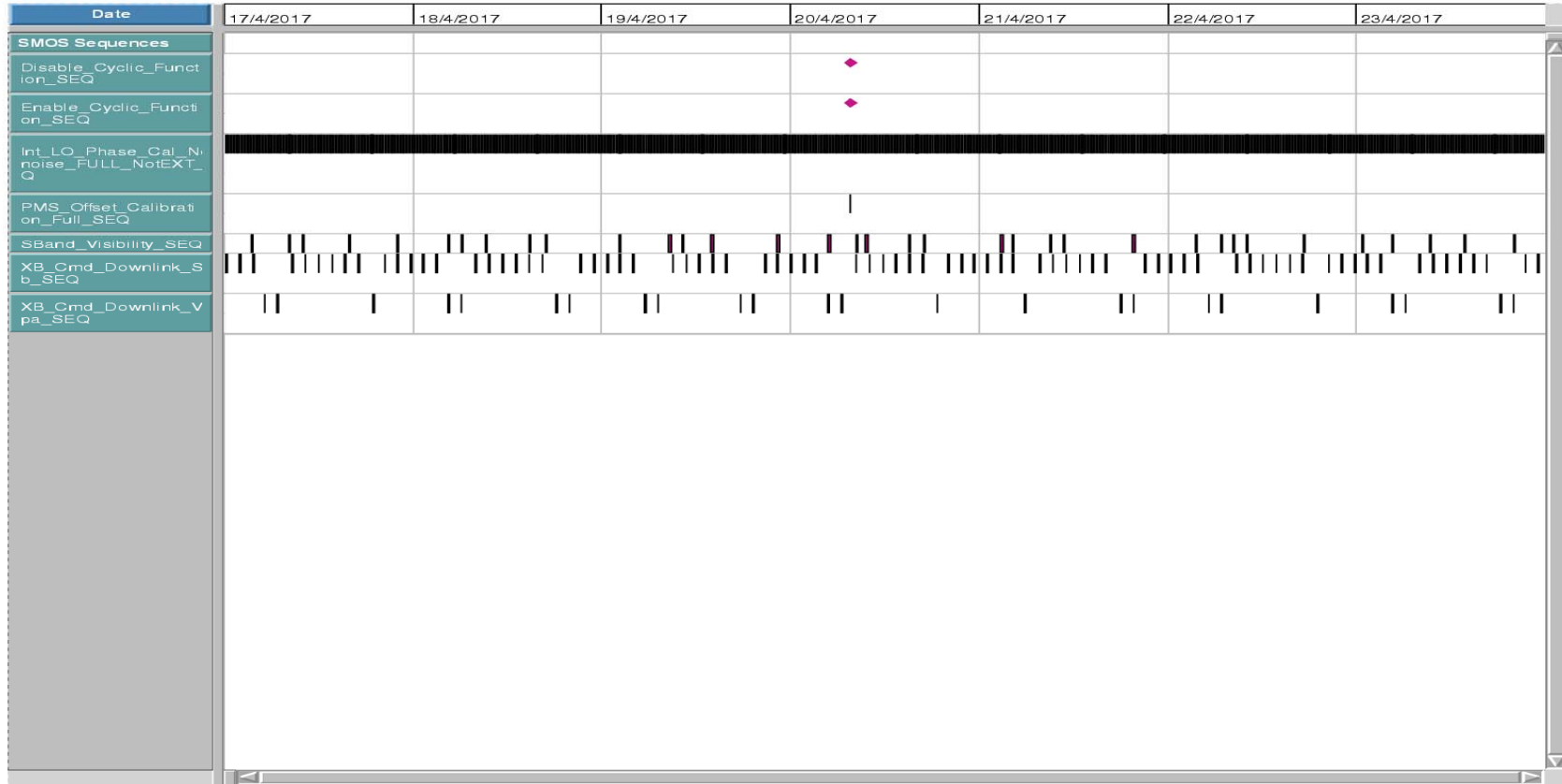
Date:

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Schedule Name: 2017_w16_cr ### Display start: 17-04-2017 00:00:00.000 ### Display end: 24-04-2017 00:00:00.000





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3 TC Failures

None.

4 Unforeseen Out of Limits (OOLs)

None.

5 On Board Anomalies

None.

6 On Board Events Telemetry

The following RAM Single Bit errors befell this week:

Event Description	Packet ID	Severity	Event Time	Parameters
RAM single Bit Error	730	WARN	2017-04-20T21:13:58	2107AF4
RAM single Bit Error	730	WARN	2017-04-19T21:25:20	23FB770

7 FOS Systems Status

- As per mandate of the QWG on 1 DEC 2016, a new OSF was manually inserted into the latest SPGF DB dump by GMV. This DB dump was then ingested back into the SPGF system, and tested successfully for a full (dummy) Mission Planning cycle. Following the successful test, the new OSF became operational in all SPGF servers. Following that this new OSF was officially delivered to the whole SMOS Ground Segment on the 24th of April.
- Two new PLPCEXT machines were installed at ESAC on the 18th of April. These machines, prime and cold backup, substituted the existing ones due to their obsolescence. Those machines are used as FTP repository with CNES but also as data interchange hub with DPGS and FOS internal systems. The installation on the 18th of April went fine with some delays due to electrical configuration problems on the FOS operational rack. Due to that, some of the internal connectivity tests needed as prerequisite to interchange the machines were not performed and FOS declared to be not ready for the swap test the next day. Anyway those pending tests were successfully completed during the morning of the 19th of April. Following that and after further agreement with the SMOS CNES Operations Manager, several connectivity tests with the two new machines, prime and backup were successfully performed among the two sites. As result of this, the third pass of the day was received and



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successfully processed on the new PLPCEXT prime machine. In parallel to this, several internal tests were successfully carried out by the FOS team verifying that all the different subsystems were able to connect to the new machine. Based on the good results of these tests, it was agreed during a short telecom with CNES, to maintain the connectivity through the new PLCEXT machine and permanently swap from the old server to this one. The only pending test is still to receive a SBand pass over the new PLCEXT2 machine, for that a dedicated test will be scheduled next week. Nevertheless FOS is fully confident that this will work fine since the connectivity with the new PLPCEXT2 was extensively tested on the 19th of April.

8 Data Reception from CNES

All S band passes were correctly received from CNES and successfully processed by the FOS PLPC system.

9 X Band Data Reception in PXMF

None, all S band passes were successfully received and processed.

10 Exceptional Activities

None.

11 AOB

None.

APPENDIX A: OOLs

None.