



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 19, year 2017

from 08 MAY 2017 to 15 MAY 2017

1.0

1 General Comments

Activities scheduled for this week are those planned for the 19th calendar week of 2017:

08 MAY 2017 to 15 MAY 2017 (DOYs 128 to 135).

The following routine activities were planned this week (see Gantt chart on next page and CRF 657):

- One Warm NIR Calibration on 10 MAY 2017 (DOY 130) with ETO 07:23:13z (orbit 39516) and with the following expected calibration values:

B.T.	=	3.5665°
R.M.S.	=	0.1440
Sun Elevation	=	4.5146°
Moon elevation	=	2.2972°
R.A.	=	141.35°
DEC.	=	35.66
- One PMS Offset on 11 MAY 2017 (DOY 131), including three short Calibrations at 07:17:00.0z, 07:17:34.8z, and 07:18:09.6z (orbit 39530).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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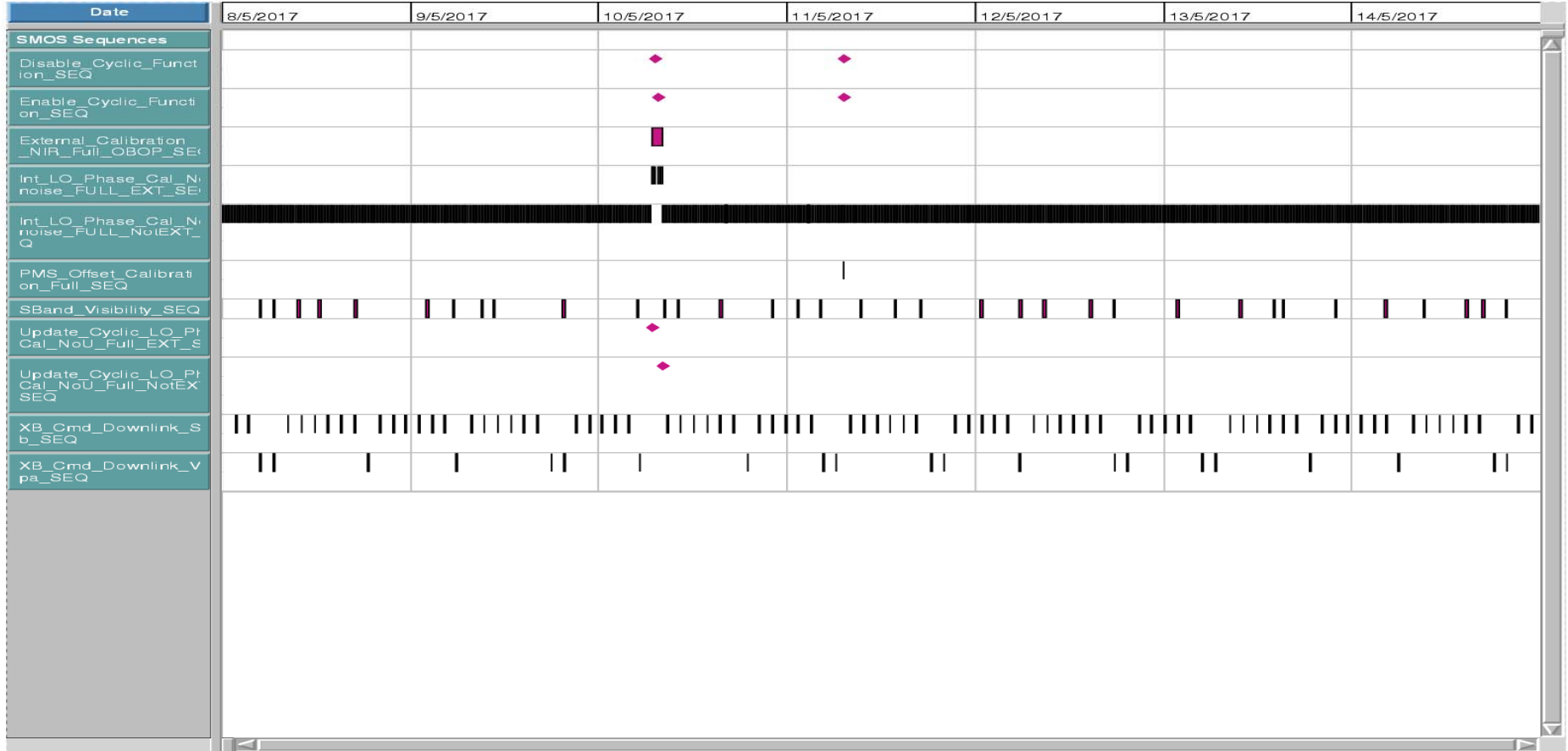
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Schedule Name: 2017_w19_cr ### Display start: 08-05-2017 00:00:00.000 ### Display end: 15-05-2017 00:00:00.000





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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	2017-05-10 10:12:24	2313B64
RAM single Bit Error	730	WARN	2017-05-14 21:06:29	23490A0

7 FOS Systems Status

On the 10th of May 2017 a connectivity test with the new PLPCEXT backup machine. PLPCEXT2, was successfully performed. The first S Band pass of the day was received over that machine and after that the system was nominally reconfigured to receive the following passes on the prime machine, PLPCEXT1. During the test some internal connectivity problems between PLPCPRM and PLPCEXT machines were identified and finally solved by the restart of the SCOS FTP Tool. Also some of the internal PLPCEXT2 daemons did not restart properly due to a wrong IP identification of the backup machine. This wrong IP did not allow the correct restart of the *Omninames* internal processes but nevertheless, sometime after the reception of the pass, the problem was identified and fixed.

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 successfully received and processed.

10 Exceptional Activities

None.



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11 AOB

The two ESAC XBand morning passes on the 8th of May were not acquired at ground station level since the XBdown file of week 19 was not ingested on DPGS side. The XBdown for that week was sent by FOS on Friday 28 of April due to the public holidays on the 1 and 2 of May. The foreseen AOS for the two missing passes were: 04:50:17z and 06:18:19z.



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APPENDIX A: OOLs

None.

GS_TIME	OBTIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2015.262.10.45.36.072	2015.262.10.11.29.573	SPM13167	H3 LO_Locking	UNLOCK	LOCK
2015.262.10.45.35.940	2015.262.10.11.24.773	SPM13162	H3 LO_Out_Power	NOT-OK	OK