



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 45 year 2017

from 06 NOV 2017 to 13 NOV 2017

1.0

1 General Comments

Activities scheduled for this week are those planned for the 45th calendar week of 2017:

06 NOV 2017 to 13 NOV 2017 (DoYs 310 to 317).

The following routine activities were planned this week (see Gantt chart on next page and CRF 695):

- One Warm NIR Calibration on 08 NOV 2017 (DoY 312) with ETO 16:55:19z (orbit 42140) and with the following expected calibration values:

B.T.	=	3.79°
R.M.S.	=	0.63
Sun Elevation	=	9.99°
Moon elevation	=	43.93°
R.A.	=	140.14°
DEC.	=	-13.42°
- One PMS Offset on 09 NOV 2017 (DoY 313), including three Short Calibrations at 07:33:00.0z, 07:33:34.8z, and 07:34:09.6z (orbit 42149).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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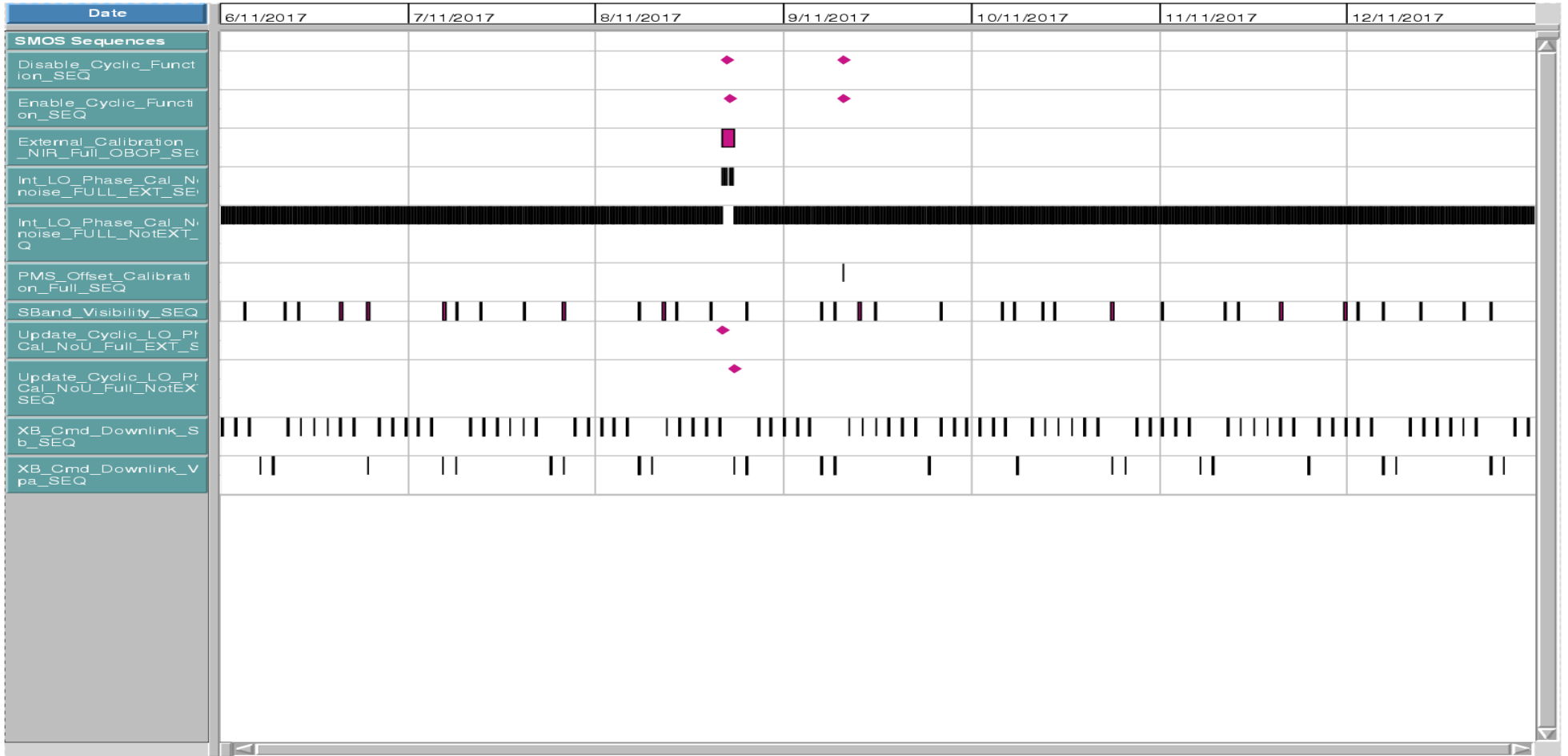
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Schedule Name: 2017_w45_cr ### Display start: 06-11-2017 00:00:00.000 ### Display end: 13-11-2017 00:00:00.000





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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	WARNING	2017.310.21.05.16,395	23CDC40
RAM Single Bit Error	730	WARNING	2017.312.08.44.42,963	214140C

7 FOS Systems Status

- The OBOP Development Environment (ODE tool) was installed in the PLPCDBS workstation.

8 Data Reception from CNES

All S band passes were correctly received from CNES and successfully processed by the FOS PLPC system, with the following exceptions:

- For S band GS pass STC-2 (AoS = 19:48:13z; LoS = 20:00:25z) the following two PUS TM gaps were detected in the PLPC system:
from 2017-11-07T14:42:23,784z to 2017-11-07T14:42:27,385z; 7 packets lost
from 2017-11-07T15:16:07,013z to 2017-11-07T15:16:10,613z; 5 packets lost
Because of the rather small size of these two gaps, no TM was ingested from the X band PXMF system.
- For S band GS pass HBX-8 (AoS = 2017-11-10T03:46:44z; LoS = 2017-11-10T04:01:00z), no TM was acquired because of an Earth terminal anomaly (auto-tracking issues).

9 X Band Data Reception in PXMF

- The PXMF server was used to fill the following MIRAS PUS TM gap:
from 2017-11-09T20:03:47,443z to 2017-11-10T03:48:39,431z
The corresponding E_HKTM was lost:
from 2017-11-09T20:03:21z to 2017-11-10T03:48:57z

10 Exceptional Activities

None.



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11 AOB

None.

APPENDIX A: OOLs

None.