



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 49 year 2017

from 04 DEC 2017 to 11 DEC 2017

1.0

1 General Comments

Activities scheduled for this week are those planned for the 49th calendar week of 2017:

04 DEC 2017 to 11 DEC 2017 (DOYs 338 to 345).

The following routine activities were planned this week (see Gantt chart on next page and CRF 699):

- One Warm NIR Calibration on 06 DEC 2017 (DOY 340) with ETO 03:05:20z (orbit 42535) and with the following expected calibration values:

B.T.	=	3.83°
R.M.S.	=	0.10
Sun Elevation	=	9.98°
Moon elevation	=	-43.36°
R.A.	=	341.33°
DEC.	=	-23.97°
- One PMS Offset on 07 DEC 2017 (DOY 341), including three Short Calibrations at 07:45:00.0z, 07:45:34.8z, and 07:46:09.6z (orbit 42552).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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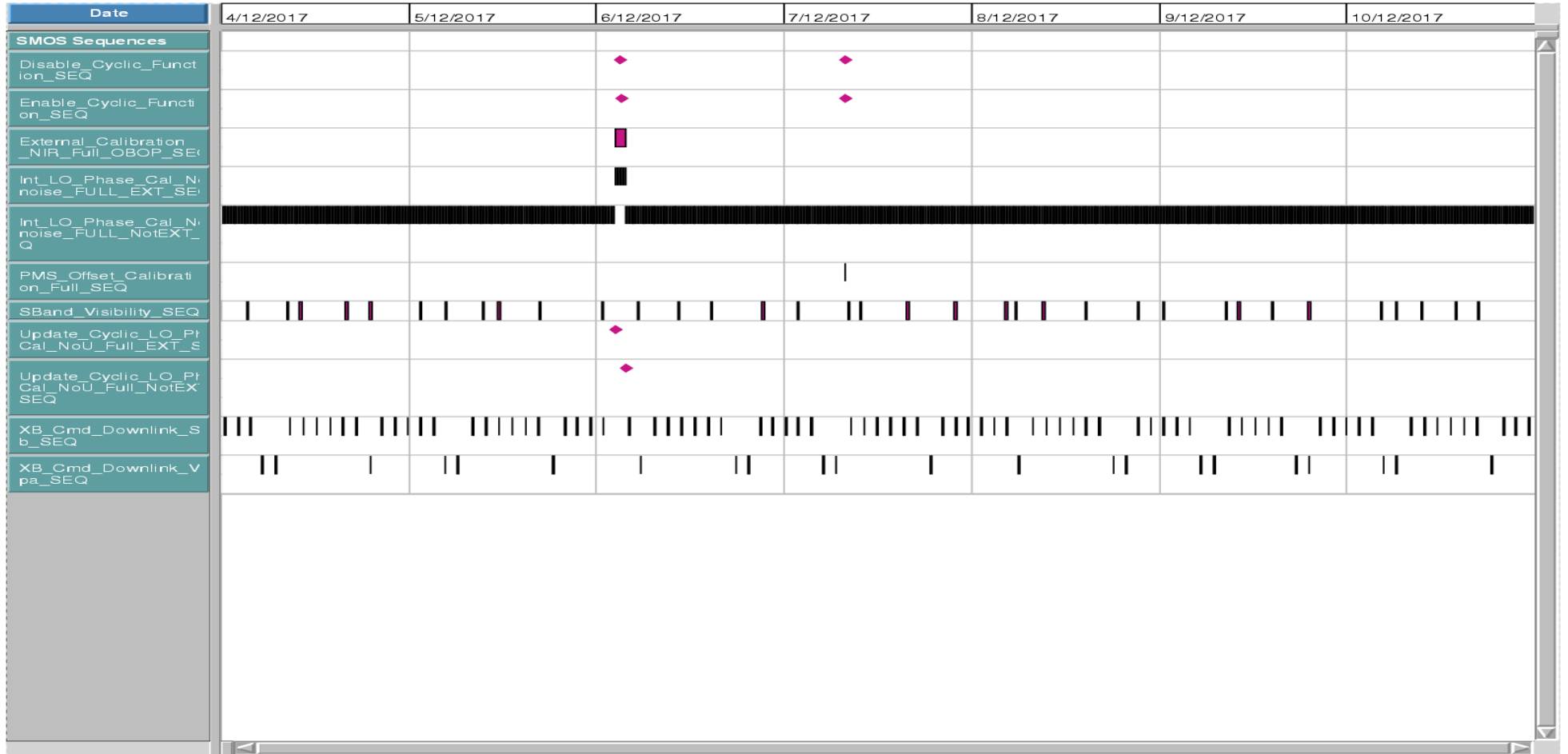
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Schedule Name: 2017_w49_cr ### Display start: 04-12-2017 00:00:00.000 ### Display end: 11-12-2017 00:00:00.000





3 TC Failures

None.

4 Unforeseen Out of Limits (OOLs)

None.

5 On Board Anomalies

None.

6 On Board Events Telemetry

No relevant on board event packets were received during this week.

7 FOS Systems Status

All FOS systems nominal.

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 exception:

- Because an issue with the receiving station, S band GS pass HBX-8 (AOS = 2017-12-08T05:36:09z; LOS = 2017-12-08T05:47:50z) was not received. This station failure generated a MIRAS PUS Telemetry gap:

from 2017-12-08T04:18:43.791z to 2017-12-08T05:38:28.224z

To achieve completion MIRAS PUS TM was recovered from the X band PXMF system and ingested into the MUST-SMTA system on 11 DEC 2017. The corresponding E_HKTM was lost:

from 2017-12-08T04:18:21z to 2017-12-08T05:38:53z

9 X Band Data Reception in PXMF

FOS PXMF system was used on the 11 of DEC 2017 to fill the PUS TM gap generated by the HBX-8 station failure on the 8th of December (see section 8)

10 Exceptional Activities

None.



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11 AOB

None.

APPENDIX A: OOLs

None