



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 46 year 2017

from 13 NOV 2017 to 20 NOV 2017

1.0

1 General Comments

Activities scheduled for this week are those planned for the 46th calendar week of 2017:

13 NOV 2017 to 20 NOV 2017 (DoYs 317 to 324).

The following routine activities were planned this week (see Gantt chart on next page and CRF 696):

- One PMS Offset on 16 NOV 2017 (DoY 320), including three Short Calibrations at 08:00:30.0z, 08:01:04.8z, and 08:01:39.6z (orbit 42250).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

An unplanned Collision Avoidance Manoeuvre (CAM) was executed 19 NOV 2017 at 21:24:49z. MIRAS ITL was disabled for the entire duration of the CAM [i.e. from 2017-11-19T21:09:24z to 2017-11-19T 21:41:00z]. Manoeuvre fell in between X band GS passes, so no X band passes were affected. Science data on the interval was flagged «external APID» and registered as «degraded data» in the FOS availability records.



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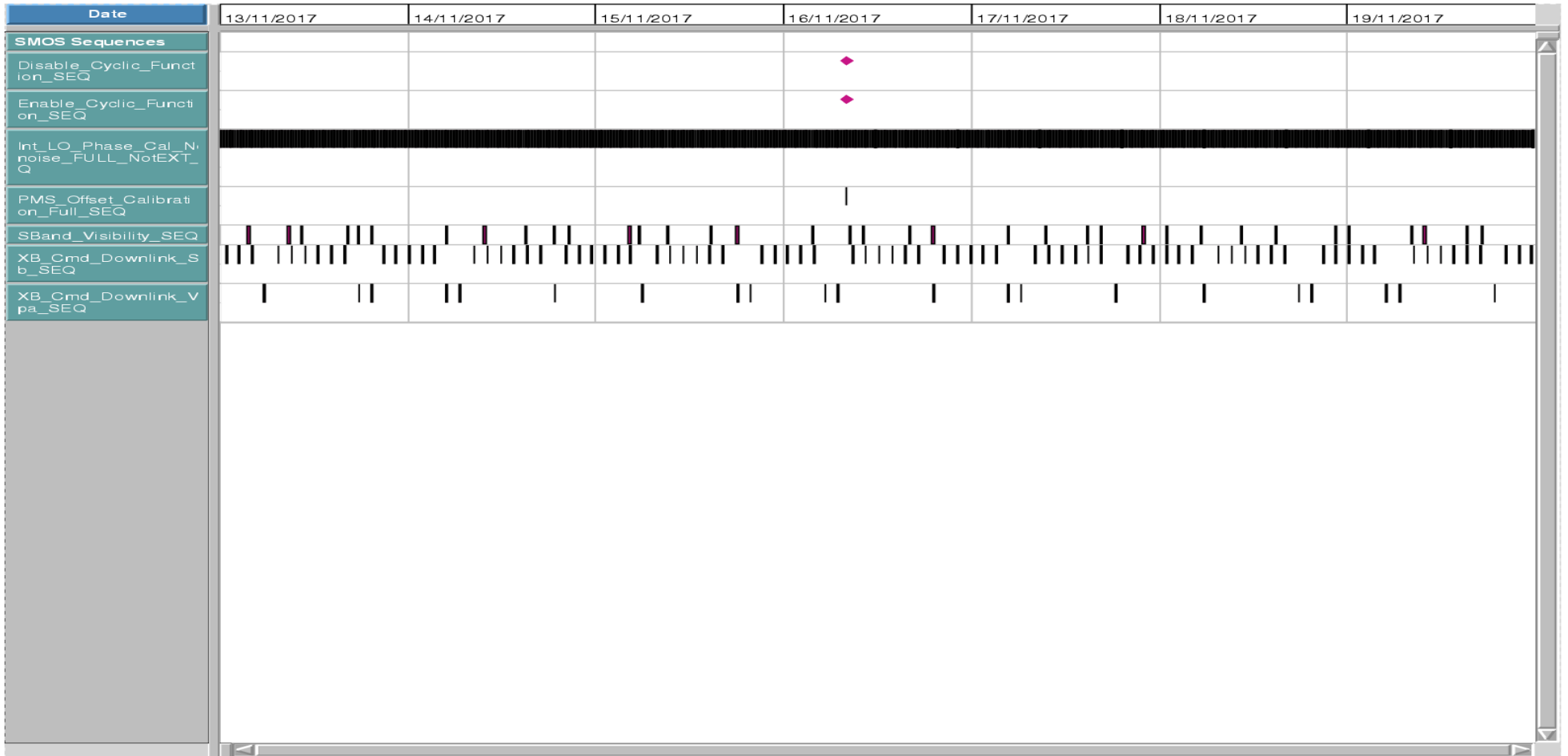
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Schedule Name: 2017_w46_cr ### Display start: 13-11-2017 00:00:00.000 ### Display end: 20-11-2017 00:00:00.000





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3 TC Failures

None.

4 Unforeseen Out of Limits (OOLs)

A single parameter went OOL (see Appendix A for further details) as the MIRAS instrument:

- ITL was disabled because of a CAM executed 19 NOV 2017 (DoY 323).

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	2017.322.09.36.05,301	2165E70
RAM Single Bit Error	730	WARNING	2017.322.23.15.39,402	2189258

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.

9 X Band Data Reception in PXMF

None, all S band passes successfully received and processed.

10 Exceptional Activities

- CAM executed on 19 NOV 2017 with no effect on X band passes (see Sect. 2 for further details).

11 AOB

None.



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APPENDIX A: OOLs

The following OOL befell at the time the MIRAS instrument ITL was disabled because of a CAM executed 19 NOV 2017 (DoY 323):

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2017.324.01.51.29,694	2017.323.21.09.25,321	NTLHK022	ITL Enabled State	Disabled	Enabled