



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 46, year 2018

from 12 NOV 2018 to 19 NOV 2018

1.0

1 General Comments

Activities scheduled for this week are those planned for the 46th calendar week of 2018:

12 NOV 2018 to 19 NOV 2018 (DOYs 316 to 323).

The following routine activities were planned this week (see Gantt chart on next page and CRF 776).

- One Warm NIR Calibration on 14 NOV 2018 (DOY 318) with ETO 17:54:04z (orbit 47479; ASCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.77°
R.M.S.	=	0.60
Sun elevation	=	9.98°
Moon elevation	=	-57.35°
R.A.	=	145.81°
DEC.	=	-12.93°
- One PMS Offset on 15 NOV 18 (DOY 319), including three Short Calibrations at 06:51:30.0z, 06:52:04.8z, and 06:52:39.6z (orbit 47487).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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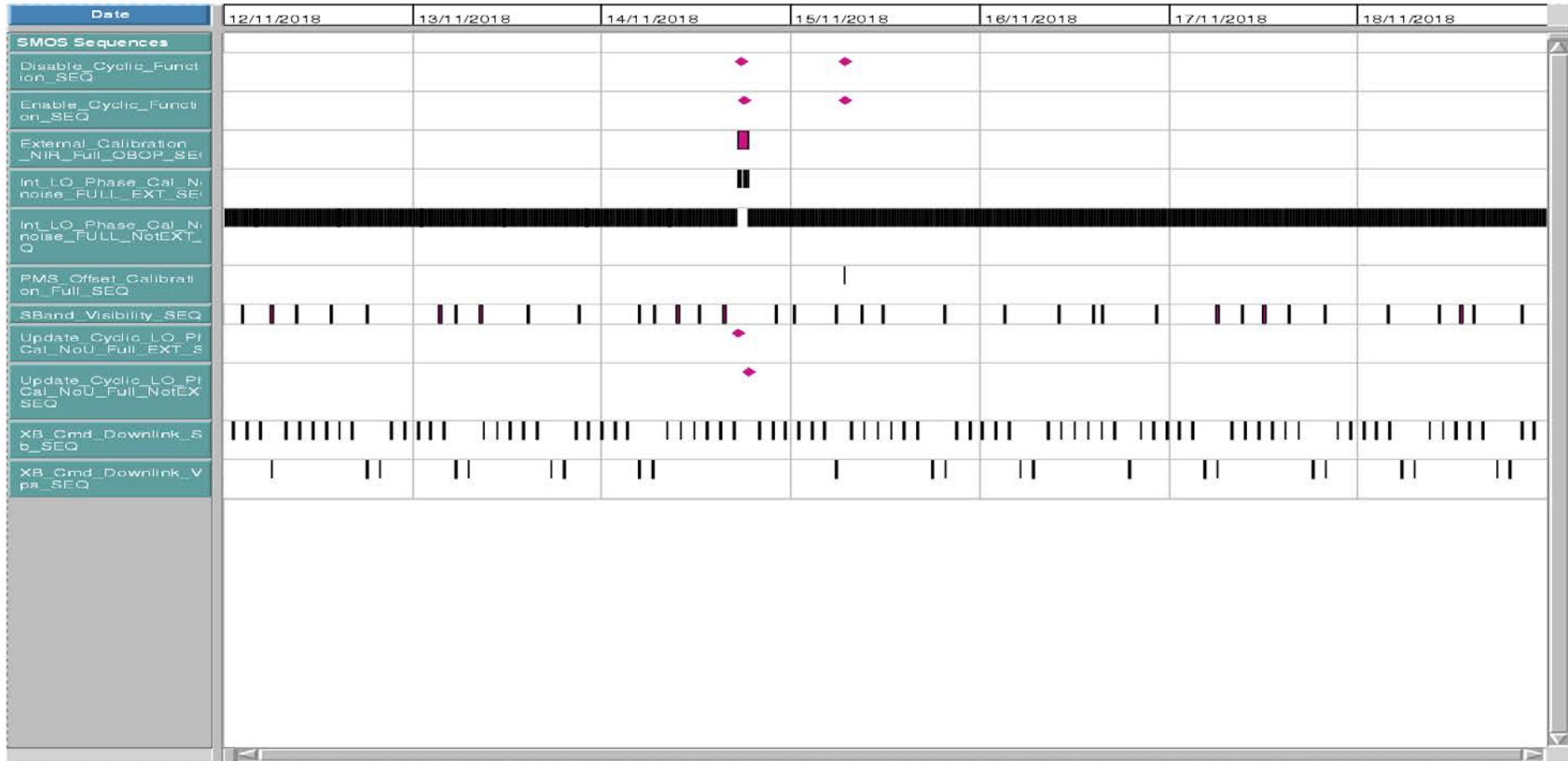
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Schedule Name: 2018_w46_cr ### Display start: 12-11-2018 00:00:00.000 ### Display end: 19-11-2018 00:00:00.000





3 TC Failures

None.

4 On Board Anomalies

- The heater duty cycle of Arm-A segment one reached its yearly minimum just immediately before to the start of the eclipse season on the 13th of November (see graphic below). Temperatures of that segment are slowly decreasing with the start of the eclipse season and coming back to more nominal values.

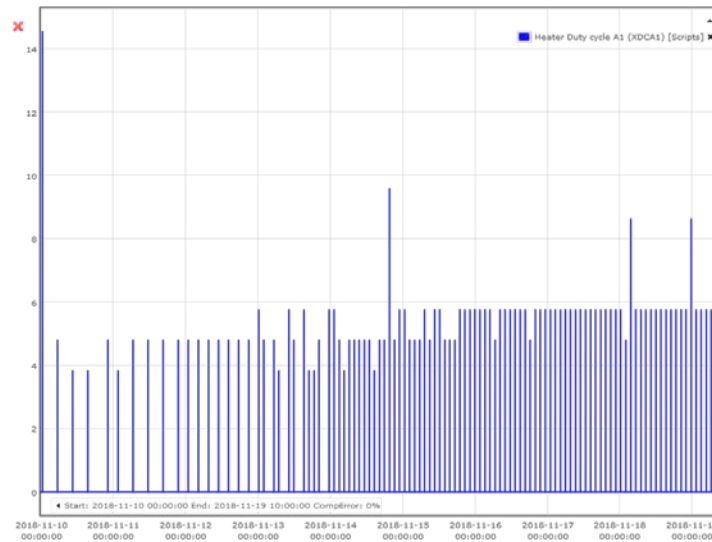


Figure 1 Orbital duty cycle for A1 heater

5 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	2018-11-17T23:39:55	220AB7C
RAM single Bit Error	730	WARN	2018-11-15T09:37:26	223DF28
RAM single Bit Error	730	WARN	2018-11-13T10:07:52	201B000

6 FOS Systems Status

All FOS systems nominal.

7 Data Reception from CNES

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



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8 X Band Data Reception in PXMF

None, all S band passes successfully received and processed.

9 Exceptional Activities

None.

10 AOB

None.

APPENDIX A: OOLs

None.