



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 46, year 2020

from 09 NOV 2020 to 16 NOV 2020

1.0

1 General Comments

Activities scheduled for this week are those planned for the 46th calendar week of 2020:

09 NOV 2020 to 16 NOV 2020 (DOYs 314 to 321).

The following routine activities were planned this week (see Gantt chart on next page and CRF 927).

- One Warm NIR Calibration on 11 NOV 2020 (DOY 316) with ETO 15:35:45z (orbit 57953; ASCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.77°
R.M.S.	=	0.61
Sun elevation	=	9.90°
Moon elevation	=	47.20°
R.A.	=	142.73°
DEC.	=	-13.02°
- One PMS Offset on 12 NOV 2020 (DOY 317), including three Short Calibrations at 06:13:00.0z, 06:13:34.8z, and 06:14:09.6z (orbit 57962).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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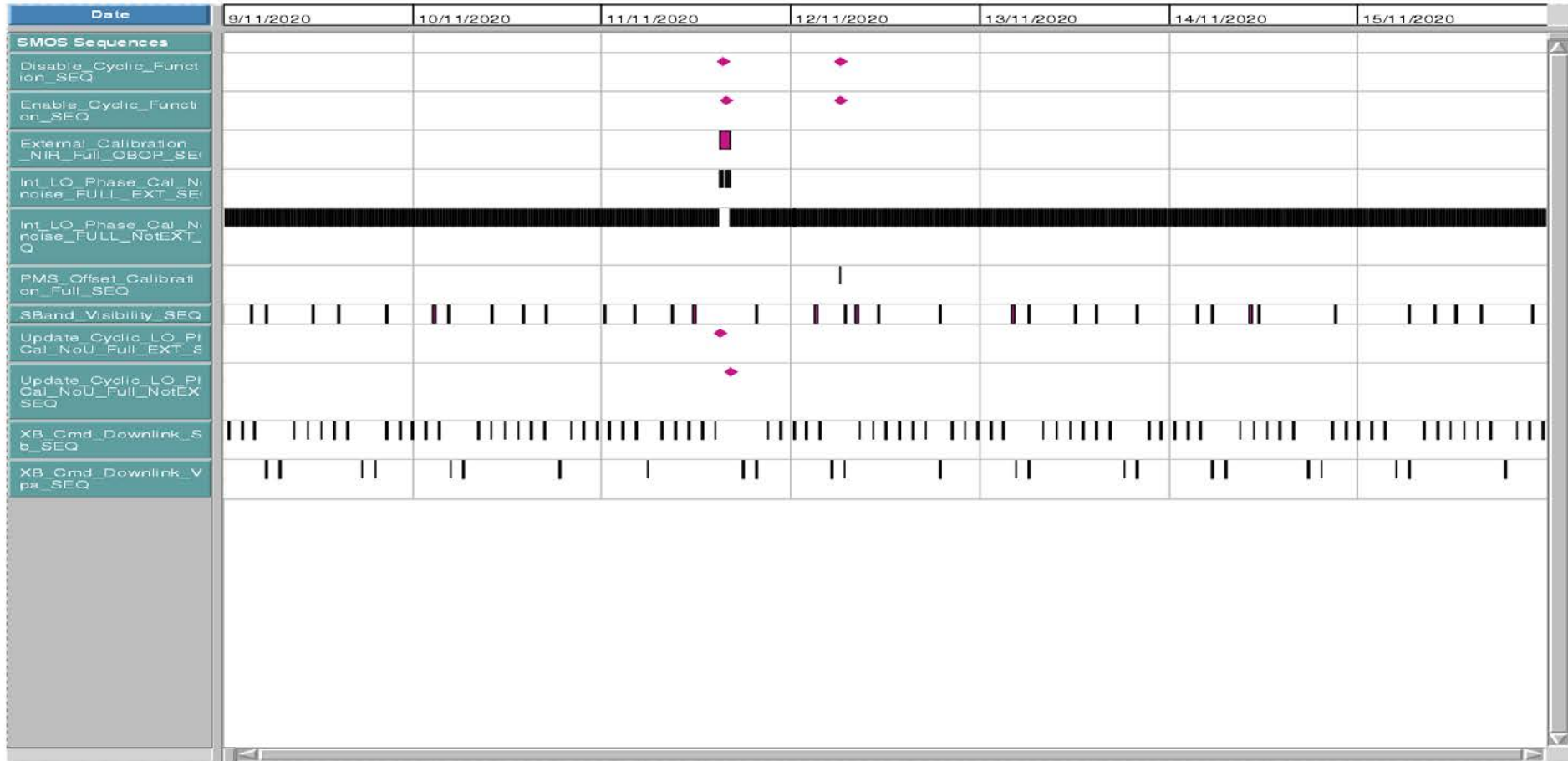
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Schedule Name: 2020_w46_cr ### Display start: 09-11-2020 00:00:00.000 ### Display end: 16-11-2020 00:00:00.000



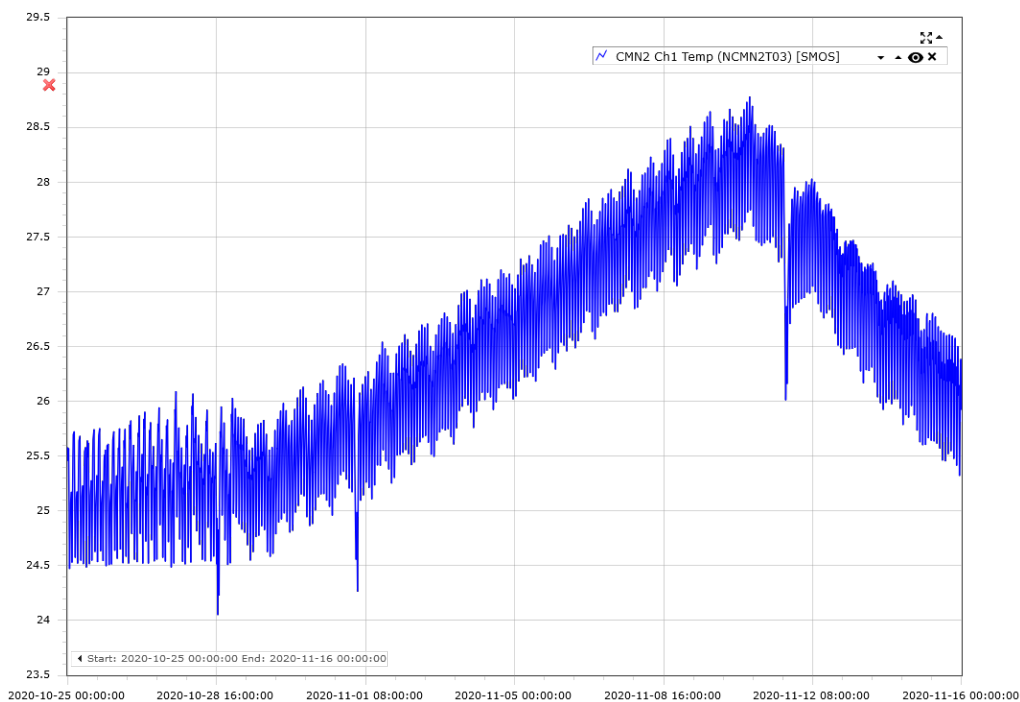


3 TC Failures

None.

4 On Board Anomalies

The temperature of MIRAS segment A1 increased as predicted until the 10th of November when the maximum value, 28.7°, was then reached. Below there is the graphic for the thermal evolution of this segment.



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	2020-11-12T22:52:20	22577E0

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, with the following exception:



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- Due to a problem with the CNES ground station network, a MIRAS PUS TM gap was generated for STC-8 pass with AOS=2020-11-15T06:28:46z. The MIRAS PUS TM gap, 4513 TM packets, went from 2020-11-14T23:42:31.998z to 2020-11-15T00:23:50.042z. Also E-HKTM TM data from 23:59:54z to 00:46:18z was lost.

8 X Band Data Reception in PXMF

PXMF system was used to fill the TM gap reported in previous step.

9 Exceptional Activities

None.

10 AOB

None.

APPENDIX A: OOLs

No relevant out of limits were received this week.