



## Operations Notes

FOS Team @ ESAC

Reported by:

*J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 52, year 2020**

from 21 DEC 2020 to 28 DEC 2020

**1.0**

## 1 General Comments

Activities scheduled for this week are those planned for the 52<sup>nd</sup> calendar week of 2020:

21 DEC 2020 to 28 DEC 2020 (DoYs 356 to 363).

The following routine activities were planned this week (see Gantt chart on next page and CRF 936).

- One Warm NIR Calibration on 23 DEC 2020 (DoY 358) with ETO 16:39:35z (orbit 58558; ASCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.91°
R.M.S.	=	0.32
Sun elevation	=	9.91°
Moon elevation	=	-69.81°
R.A.	=	184.85°
DEC.	=	-17.62°
- One PMS Offset on 24 DEC 2020 (DoY 359), including three Short Calibrations at 05:38:00.0z, 05:38:34.8z, and 05:39:09.6z (orbit 58566).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

## 2 Mission Planning Deviations

None.



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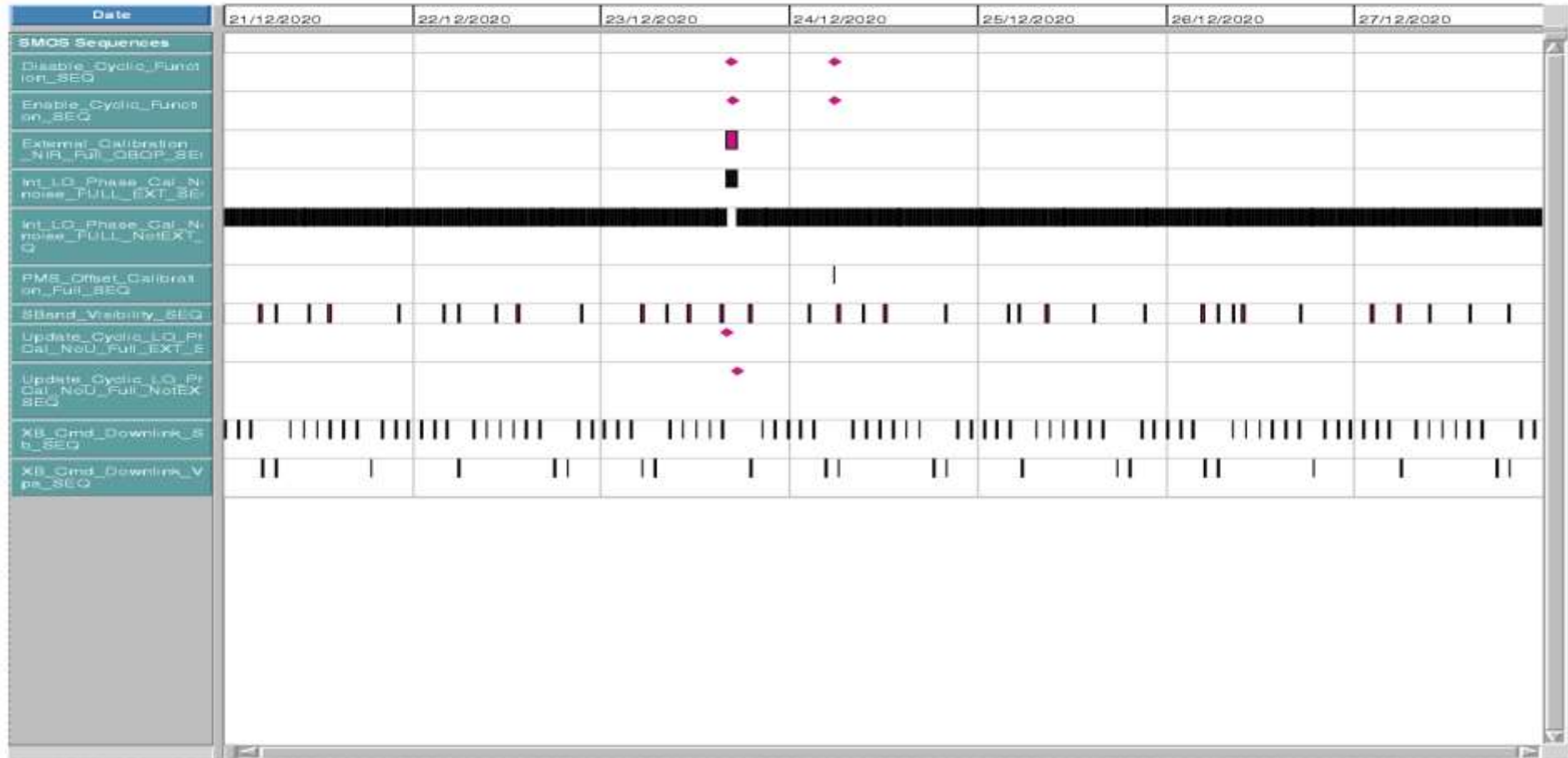
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Schedule Name: 2020\_w52\_er ### Display start: 21-12-2020 00:00:00.000 ### Display end: 28-12-2020 00:00:00.000





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### 3 TC Failures

None.

### 4 On Board Anomalies

None.

### 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	WARNING	2020.361.21.14.01,336	201F17C
RAM Single Bit Error	730	WARNING	2020.361.11.14.11,721	2387400
RAM Single Bit Error	730	WARNING	2020.358.22.03.16,386	217FC10

### 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 exceptions:

- |                |             |                    |                    |
|----------------|-------------|--------------------|--------------------|
| <i>STATION</i> | <i>PASS</i> | <i>AoS</i>         | <i>LoS</i>         |
| -----          | -----       | -----              | -----              |
| HBX            | 20          | 2020.362.05.34.00z | 2020.362.05.45.53z |

could not be acquired because of an issue with the receiving station.

Gaps went:

PUS HKTM

from 2020-12-27T02:08:29,840z to 2020-12-27T05:36:00,024z.

E HKTM

from 2020-12-27T02:08:15 z to 2020-12-27T05:36:15 z.

### 8 X Band Data Reception in PXMF

- To achieve completion MIRAS PUS TM was recovered from the X band PXMF system and ingested into the MUST-SMTA system 28 DEC 2020. The corresponding E HKTM was lost.

### 9 Exceptional Activities

None.



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### **10 AOB**

None.