



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 33, year 2020**

from 10 AUG 2020 to 17 AUG 2020

**1.0**

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### 1 General Comments

Activities scheduled for this week are those planned for the 33<sup>rd</sup> calendar week of 2020:

10 AUG 2020 to 17 AUG 2020 (DOYs 223 to 230).

The following routine activities were planned this week (see Gantt chart on next page and CRF 906).

- One PMS Offset on 13 AUG 2020 (DOY 226), including three Short Calibrations at 06:55:30.0z, 06:56:04.8z, and 06:56:39.6z (orbit 56653).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

### 2 Mission Planning Deviations

None.



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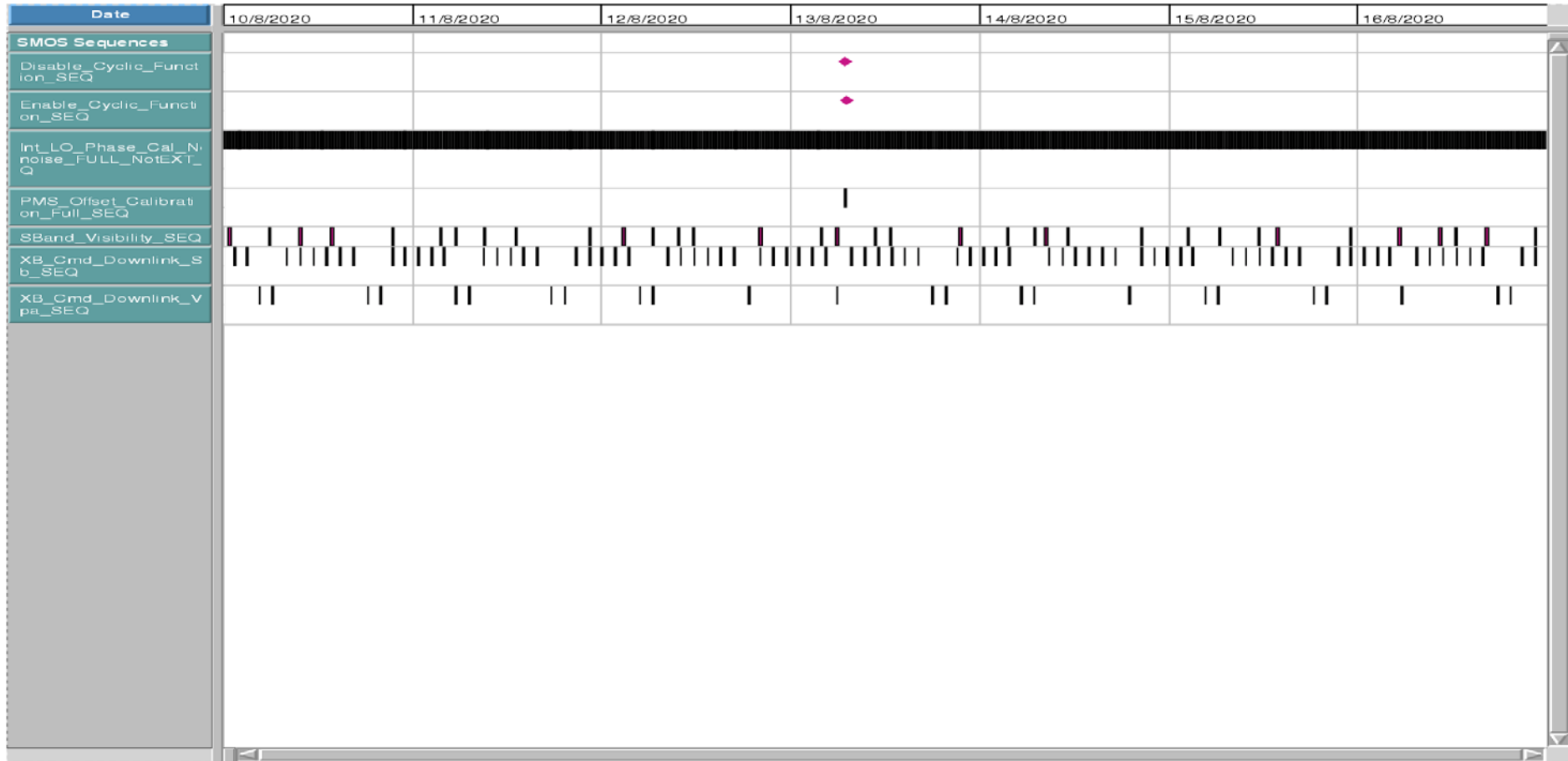
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Schedule Name: 2020\_w33\_cr ### Display start: 10-08-2020 00:00:00.000 ### Display end: 17-08-2020 00:00:00.000





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### 3 TC Failures

None.

### 4 On Board Anomalies

- The MIRAS CMN, unit H1, unlocked 2020-08-10T10:55:40,954z (DOY 223). This anomaly was geolocated over the Departamento de Cuzco (Perú):

*Latitude = -13.33°*

*Longitude = 288.41°*

Both parameters, output power SPM11162 and locking status SPM11167, went out of limits in the FOS PLPC system. The anomaly recovered in 11 Epochs.

### 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	2020-08-16T10:21:07	2369230
RAM single Bit Error	730	WARN	2020-08-10T23:33:52	21FFF1C

### 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.

### 8 X Band Data Reception in PXMF

None, all S band passes successfully received and processed.

### 9 Exceptional Activities

None.

### 10 AOB

None.



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## APPENDIX A: OOLs

The following two temporary out of limits were received on the FOS PLPC system at the time the CMN unlock on the 10<sup>th</sup> of August 2020.

<b>GS_TIME</b>	<b>OB_TIME</b>	<b>PARAMETER</b>	<b>DESCRIPTION</b>	<b>OOL Value</b>	<b>Check Value</b>
2020-08-10T14:06:11	2020-08-10T10:55:40	SPM11162	H1 LO_Out_Power	NOT-OK	OK
2020-08-10T14:06:11	2020-08-10T10:55:46	SPM11167	H1 LO_Locking	UNLOCK	LOCK