



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 10, year 2022**

from 07 MAR 2022 to 14 MAR 2022

**1.0**

### 1 General Comments

Activities scheduled for this week are those planned for the 10<sup>th</sup> calendar week of 2022:

07 MAR 2022 to 14 MAR 2022 (DOYs 066 to 073).

The following routine activities were planned this week (see Gantt chart on next page and CRF 1033).

- One PMS Offset on 10 MAR 2022 (DOY 069), including three Short Calibrations at 06:12:00.0z, 06:12:34.8z, and 06:13:09.6z (orbit 64912).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

### 2 Mission Planning Deviations

None.



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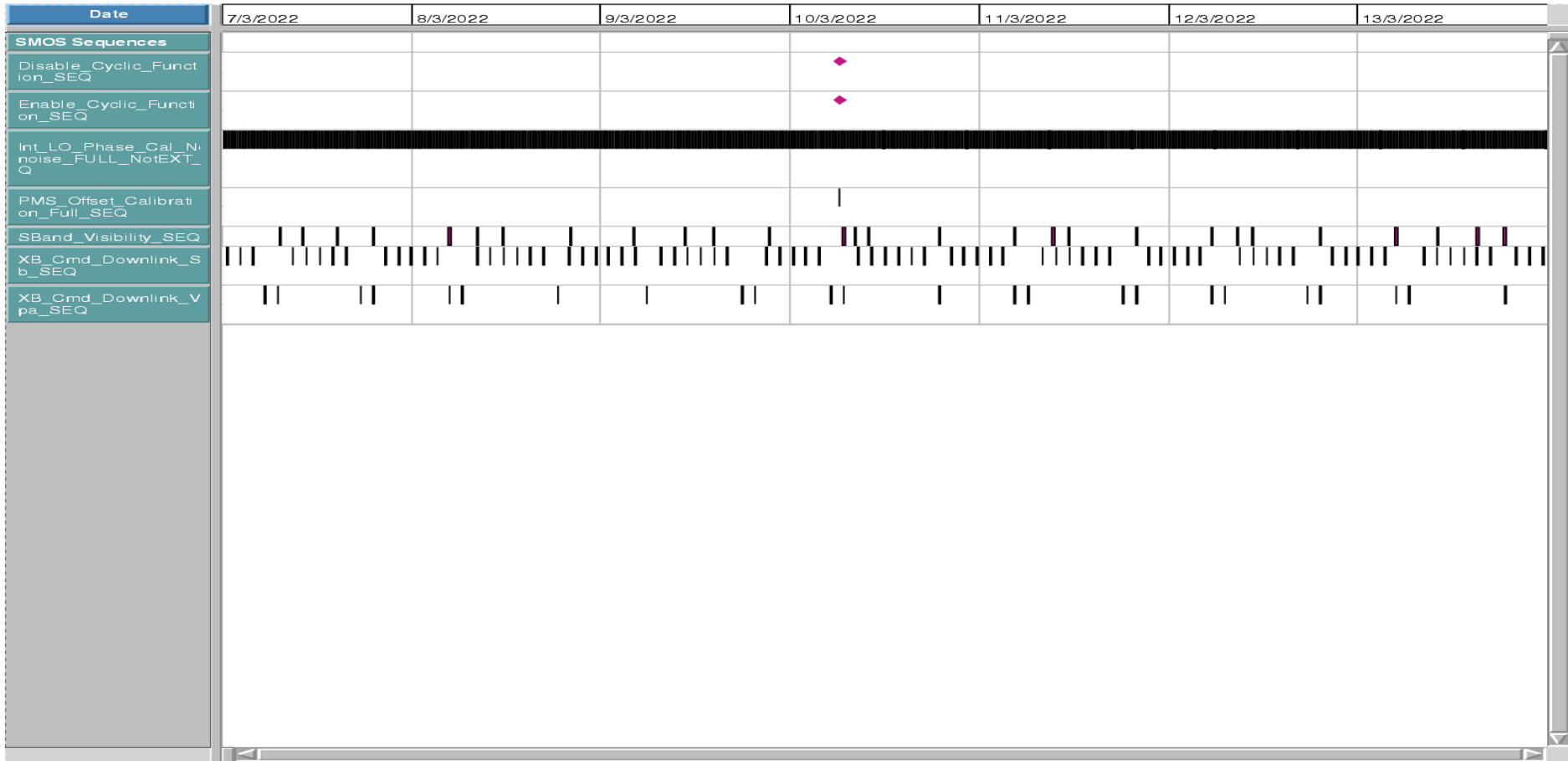
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Schedule Name: 2022\_w10\_cr ### Display start: 07-03-2022 00:00:00.000 ### Display end: 14-03-2022 00:00:00.000





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### 3 TC Failures

None.

### 4 On Board Anomalies

- The MIRAS CMN, unit H1, unlocked 2022-03-12T11:53:04.072z (DoY 069). This anomaly was geolocated over the Southern Pacific Ocean, westward of Chile:

*Latitude* = -28.79°

*Longitude* = 276.69°

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

- The MIRAS CMN, unit H1, unlocked 2022-03-10T20:32:45.405z (DOY 069). This anomaly was geolocated over the Northern Atlantic Ocean, equidistant from Greenland, Iceland, and Ireland:

*Latitude* = 58.70°

*Longitude* = 336.17°

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

### 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	2022-03-13T10:05:50.024z	227AE68

### 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.



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### 10 AOB

None.



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## APPENDIX A: OOLs

The two CMN unlocks of H1 unit generated the two following sets of temporary out of limits on FOS PLPC system

<b>GS_TIME</b>	<b>OB_TIME</b>	<b>PARAMETER</b>	<b>DESCRIPTION</b>	<b>OOL Value</b>	<b>Check Value</b>
2022-03-11T04:54:00	2022-03-10T20:32:45	SPM11167	H1 LO_Locking	UNLOCK	LOCK
2022-03-11T04:54:00	2022-03-10T20:32:45	SPM11162	H1 LO_Out_Power	NOT-OK	OK

<b>GS_TIME</b>	<b>OB_TIME</b>	<b>PARAMETER</b>	<b>DESCRIPTION</b>	<b>OOL Value</b>	<b>Check Value</b>
2022-03-12T19:38:13	2022-03-12T11:53:04	SPM11162	H1 LO_Out_Power	NOT-OK	OK
2022-03-12T19:38:14	2022-03-12T11:53:11	SPM11167	H1 LO_Locking	UNLOCK	LOCK