



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 07, year 2022**

from 14 FEB 2022 to 21 FEB 2022

**1.0**

## 1 General Comments

Activities scheduled for this week are those planned for the 07<sup>th</sup> calendar week of 2022:

14 FEB 2022 to 21 FEB 2022 (DOYs 045 to 052).

The following routine activities were planned this week (see Gantt chart on next page and CRF 1029).

- One Warm NIR Calibration on 16 FEB 2022 (DOY 047) with ETO 05:10:30z (orbit 64595; DESCENDING: thermally UNSTABLE) and with the following expected calibration values:

B.T.	=	3.71°
R.M.S.	=	0.11
Sun elevation	=	9.79°
Moon elevation	=	-9.27°
R.A.	=	52.7°
DEC.	=	-19.59°
- One PMS Offset on 17 FEB 2022 (DOY 048), including three Short Calibrations at 06:29:00.0z, 06:29:34.8z, and 06:30:09.6z (orbit 64610).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

## 2 Mission Planning Deviations

None.



# Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

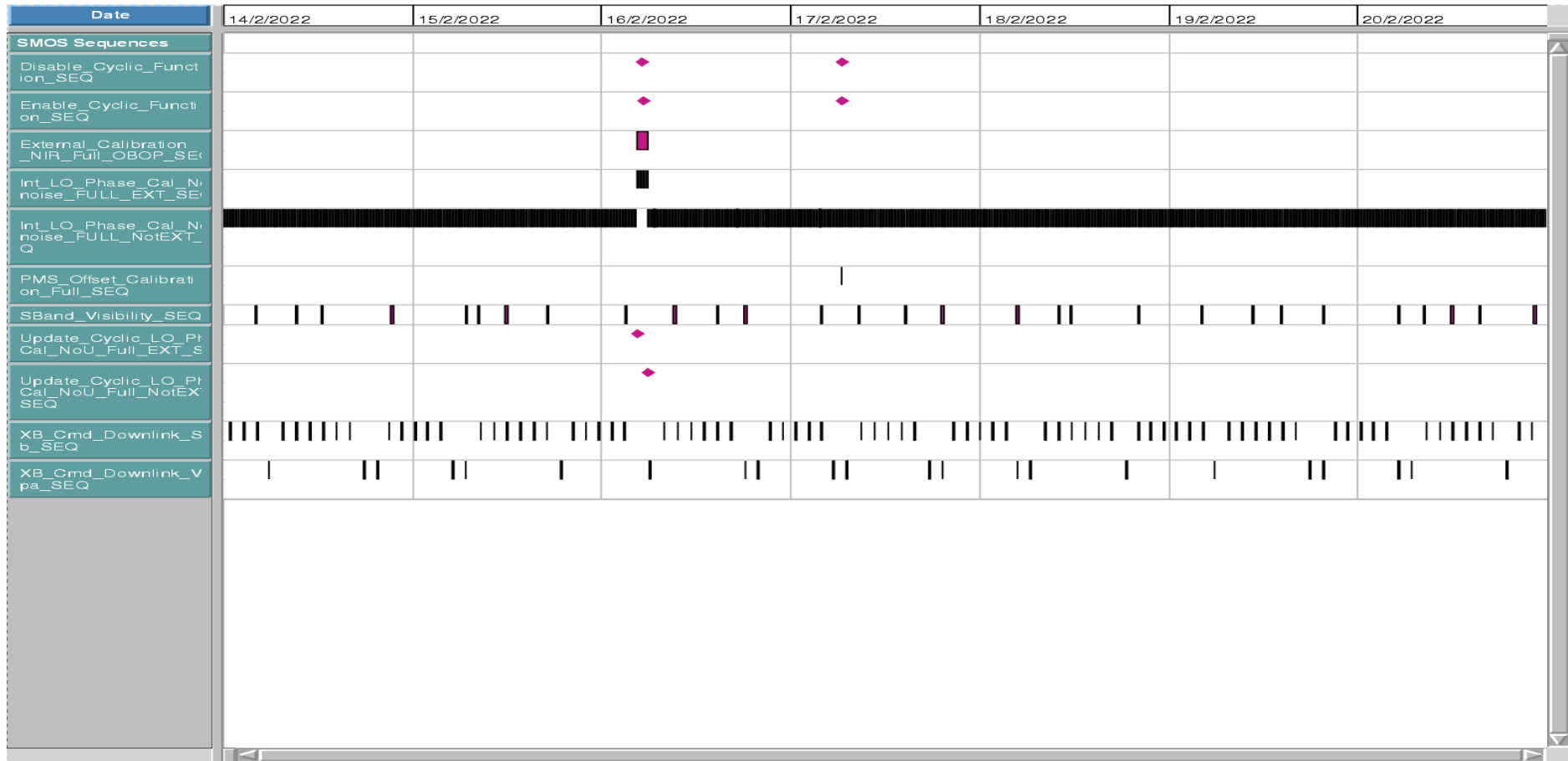
Issue:

**FOS Report for week 07, year 2022**

from 14 FEB 2022 to 21 FEB 2022

**1.0**

Schedule Name: 2022\_w07\_cr ### Display start: 14-02-2022 00:00:00.000 ### Display end: 21-02-2022 00:00:00.000





## Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

**FOS Report for week 07, year 2022**

from 14 FEB 2022 to 21 FEB 2022

**1.0**

### 3 TC Failures

None.

### 4 On Board Anomalies

- The MIRAS CMN, unit H1, unlocked 2022-02-16T20:15:14,511z (DOY 047). This anomaly was geolocated over the South Atlantic Ocean, eastward of Uruguay:

*Latitude* = -33.99°

*Longitude* = 320.80°

Both parameters, output power SPM11162 and locking status SPM11167, went out of limits in the FOS PLPC system. The anomaly recovered in 13 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	2022-02-15T10:22:59	21AF900
RAM single Bit Error	730	WARN	2022-02-16T21:27:01	21EBD04

### 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 PXM

None, all S band passes successfully received and processed.

### 9 Exceptional Activities

None.

### 10 AOB

None.



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 07, year 2022**

from 14 FEB 2022 to 21 FEB 2022

**1.0**

## APPENDIX A: OOLs

The two following temporary out of limits were generated at the time of the CMN unlock of H1 on the 16<sup>th</sup> of February.

<b>GS_TIME</b>	<b>OB_TIME</b>	<b>PARAMETER</b>	<b>DESCRIPTION</b>	<b>OOL Value</b>	<b>Check Value</b>
2022-02-17T04:11:55	2022-02-16T20:15:14	SPM11162	H1 LO_Out_Power	NOT-OK	OK
2022-02-17T04:11:55	2022-02-16T20:15:21	SPM11167	H1 LO_Locking	UNLOCK	LOCK