



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste*

Topic:

Date:

Issue:

**FOS Report for week 34, year 2021**

from 23 AUG 2021 to 30 AUG 2021

**1.0**

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### 1 General Comments

Activities scheduled for this week are those planned for the 34<sup>th</sup> calendar week of 2021:

23 AUG 2021 to 30 AUG 2021 (DOYs 235 to 242).

The following routine activities were planned this week (see Gantt chart on next page and CRF 989).

- Two LONG Calibrations on 26 AUG 2021 (DOY 238), which encompassed two ascending semi-orbital periods starting at 13:10:00z (orbit 62096) and 14:50:00z (orbit 62097).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

### 2 Mission Planning Deviations

None.



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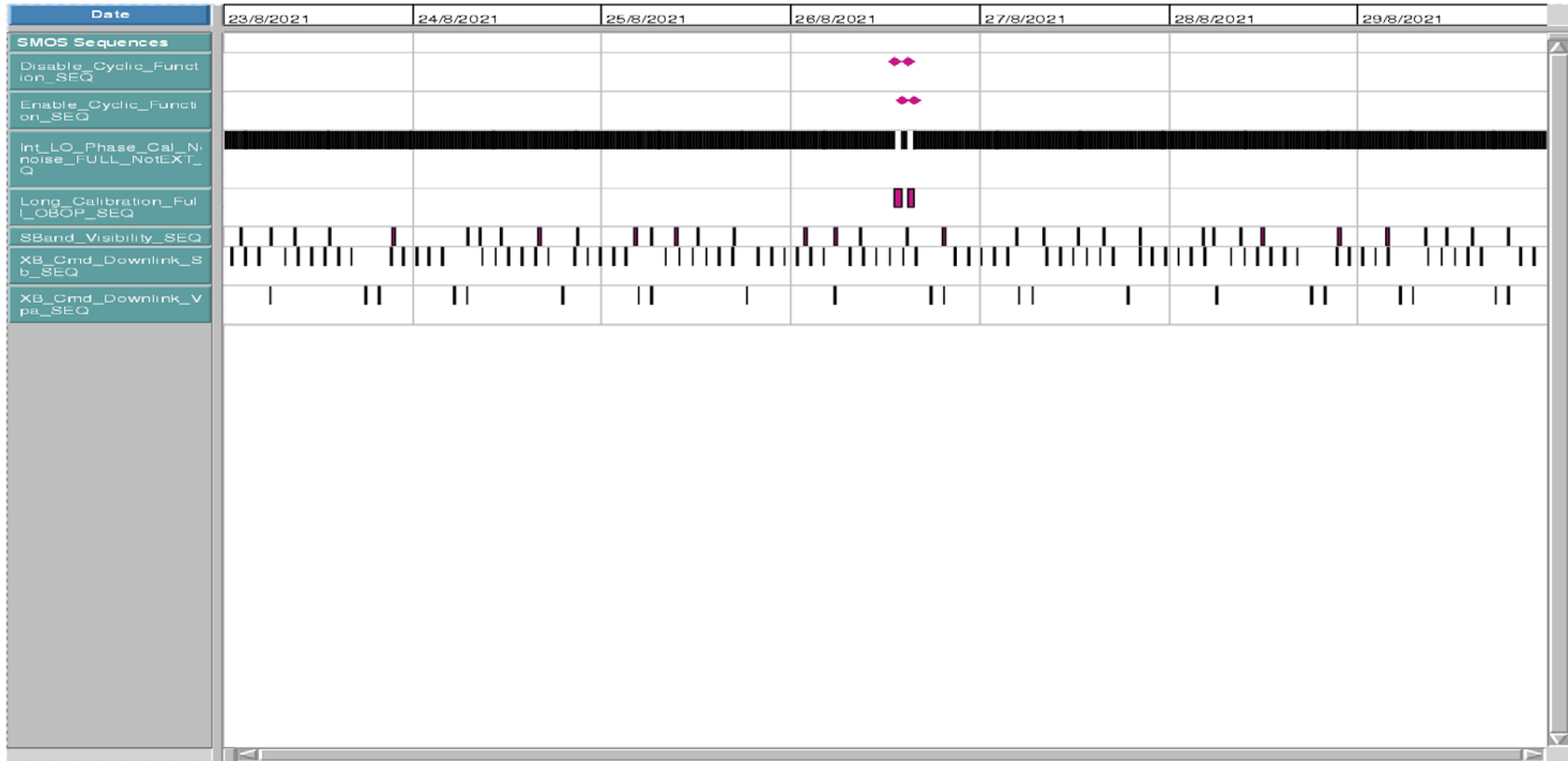
Date:

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Schedule Name: 2021\_w34\_cr ### Display start: 23-08-2021 00:00:00.000 ### Display end: 30-08-2021 00:00:00.000





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### 3 TC Failures

None.

### 4 On Board Anomalies

- A MM double bit error impacted partition P9 2021-08-29T22:29:07.220z (DOY 241). The following parameters went out of limits in the PLPC system:

*2021.241.22.29.07.220z DMASME48 DB Err In P9*

This anomaly was geolocated in the North West side of the Atlantic Ocean, close to the Labrador Peninsula

*Latitude = 46.63°*

*Longitude = 302.04°*

At the time of the anomaly, the position of the MM pointers were as follows:

*READ = 1758112 MM P4*

*WRITE = 1797952 MM P4*

### 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	2021-08-25T22:34:56	22E9A78
RAM single Bit Error	730	WARN	2021-08-29T04:55:24	2049DEC

### 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 following temporary out of limits was received on the FOS PLPC system at the time of the MM Double bit memory error on the 29<sup>th</sup> of August 2021.

<b>GS_TIME</b>	<b>OB_TIME</b>	<b>PARAMETER</b>	<b>DESCRIPTION</b>	<b>OOL Value</b>	<b>Check Value</b>
2021.242.03.04.18.605	2021.241.22.29.07.220	DMASME48	DB Err In P9	True	False