



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 02, year 2022

from 10 JAN 2022 to 17 JAN 2022

1.0

1 General Comments

Activities scheduled for this week are those planned for the 02nd calendar week of 2022:

10 JAN 2022 to 17 JAN 2022 (DOYs 010 to 017).

The following routine activities were planned this week (see Gantt chart on next page and CRF 1024).

- One PMS Offset on 13 JAN 2022 (DOY 013), including three Short Calibrations at 05:51:30.0z, 05:52:04.8z, and 05:52:39.6z (orbit 64106).
- 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:

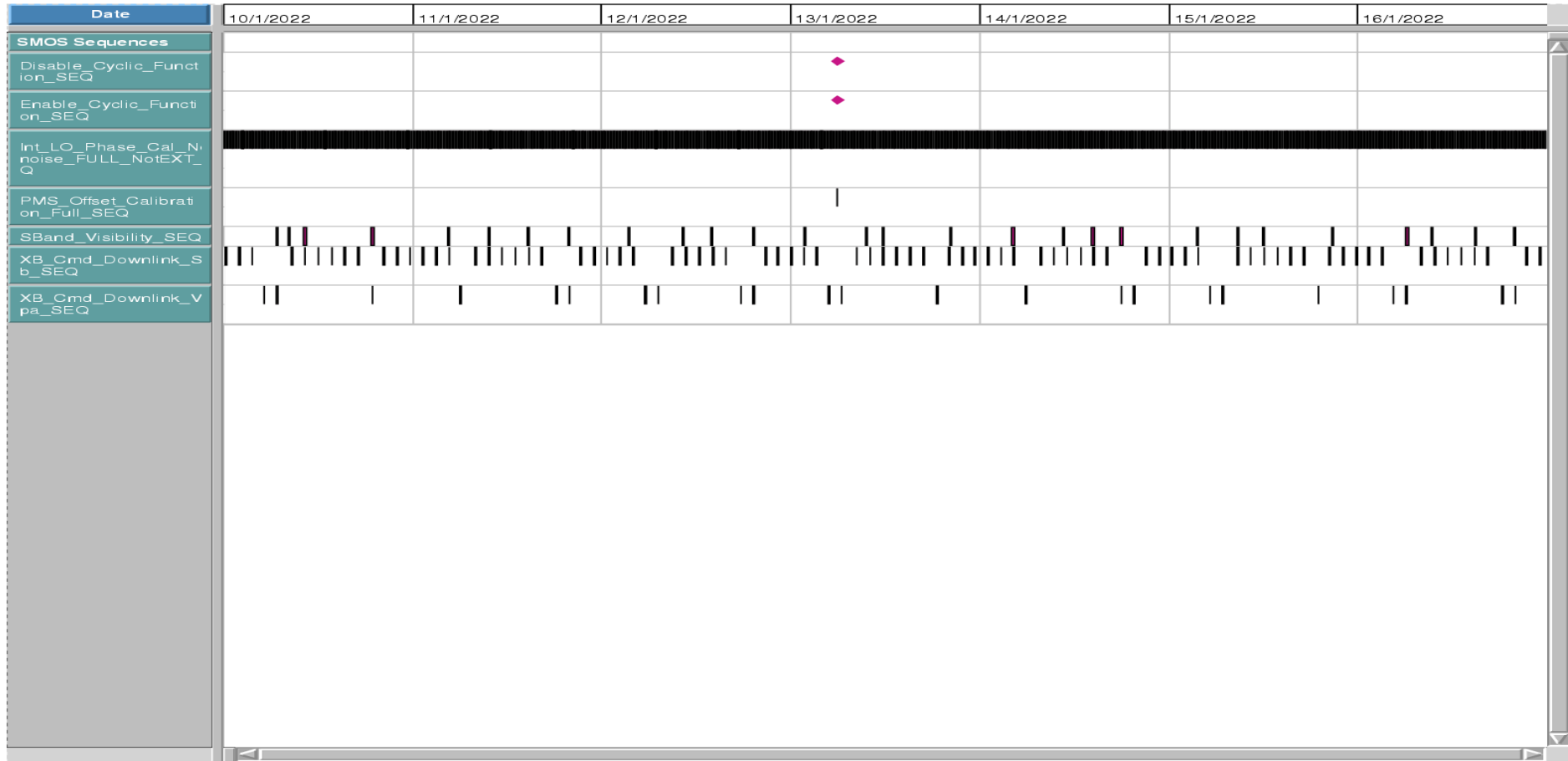
Issue:

FOS Report for week 02, year 2022

from 10 JAN 2022 to 17 JAN 2022

1.0

Schedule Name: 2022_w02_cr ### Display start: 10-01-2022 00:00:00.000 ### Display end: 17-01-2022 00:00:00.000





Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 02, year 2022

from 10 JAN 2022 to 17 JAN 2022

1.0

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	WARN	2022-01-16T21:26:49	2157384

6 FOS Systems Status

Biannual Orbit Scenario File check performed by EOP-PES concluded that OSF must be updated. This new version appends a new orbit change in orbit 58679 (retroactively in 1 Jan 2021) to correct both the MLST and the MLST drift, as follows:

```
<MLST>06:01:15.405600</MLST>  
<MLST_Drift unit="s/day">-0.007500</MLST_Drift>
```

Because certain incompatibility on the OSF DPGS schema not accepting negative drifts on the MLST field, the official delivery of the file has to be postponed until that schema gets updated.

7 Data Reception from CNES

All S band passes were correctly received from CNES and successfully processed by the FOS PLPC system with exception of:

- Because an issue with the receiving station, S band GS pass IVK-14 (AOS = 2022-01-12T01:43:05z; LOS = 2022-01-12T01:56:04z) contained 1 HKTM gap. The gap went:

from 2022-01-12T14:11:20z to 2022-01-12T14:11:23z.

A total of 5 packets were lost. Given the small size of this gap no TM was recovered from the X band PXMF system and ingested into the MUST-SMTA system.

8 X Band Data Reception in PXMF

None, all S band passes successfully received and processed.



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 02, year 2022

from 10 JAN 2022 to 17 JAN 2022

1.0

9 Exceptional Activities

None.

10 AOB

None.

APPENDIX A: OOLs

No relevant PLPC Out of Limits were received during this operational week.