



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 08, year 2022

from 21 FEB 2022 to 28 FEB 2022

1.0

1 General Comments

Activities scheduled for this week are those planned for the 08th calendar week of 2022:

21 FEB 2022 to 28 FEB 2022 (DOYs 052 to 059).

The following routine activities were planned this week (see Gantt chart on next page and CRF 1031).

- One PMS Offset on 24 FEB 2022 (DOY 055), including three Short Calibrations at 06:57:00.0z, 06:57:34.8z, and 06:58:09.6z (orbit 64711).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.
-

A routine Orbit Correction Manoeuvre (OCM) was scheduled for 24 FEB 2022 at 22:59:47z. The affected time period went from 2022-02-24T22:40:08.619 to 2022-02-24T22:59:47.538z. Science data for that period was flagged with an external APID. No regular X band GS passes conflicted with this OCM.

2 Mission Planning Deviations

None.



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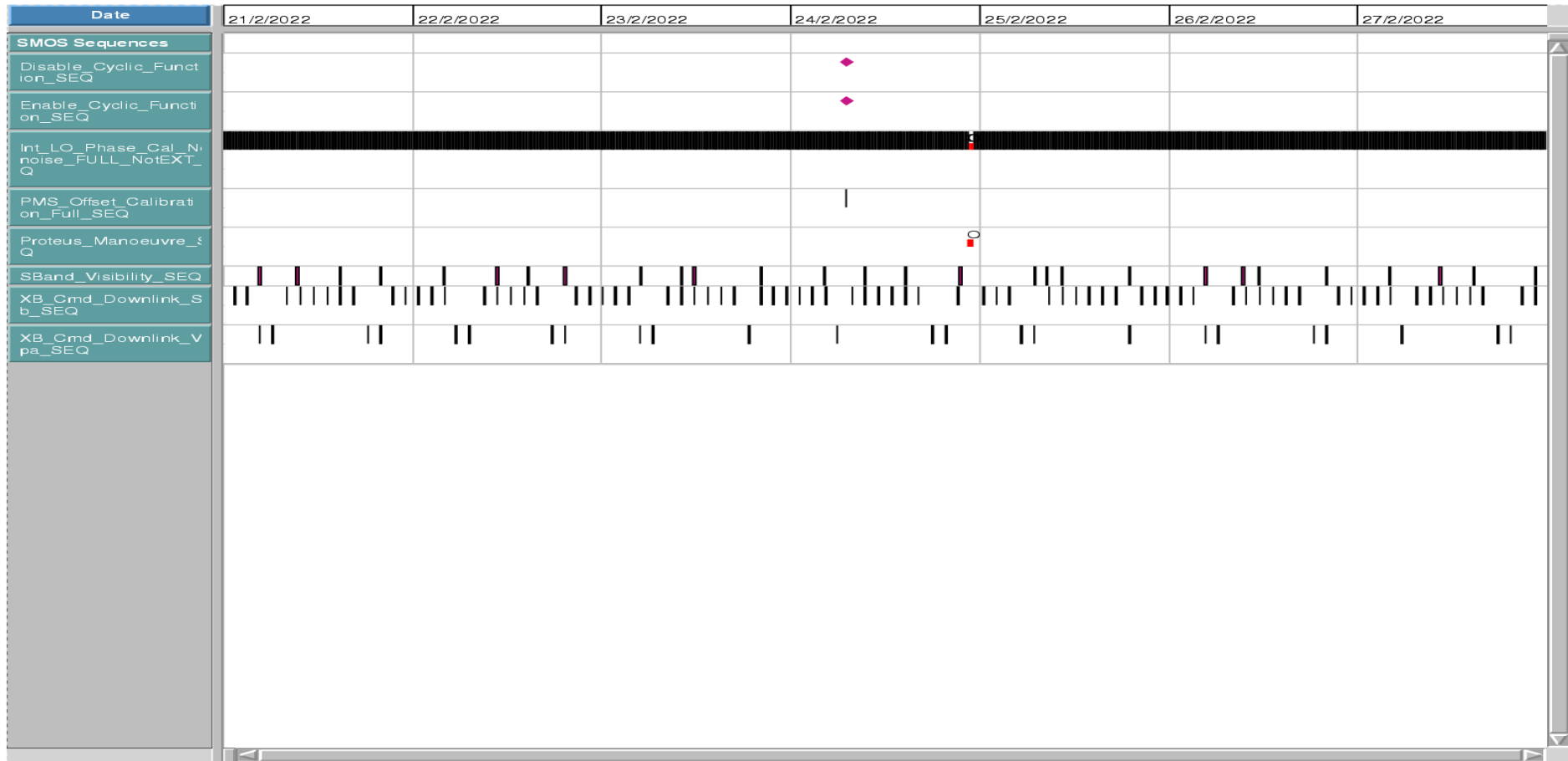
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Schedule Name: 2022_w08_cr ### Display start: 21-02-2022 00:00:00.000 ### Display end: 28-02-2022 00:00:00.000





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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	2022-02-23T10:45:40	21F7A48
RAM single Bit Error	730	WARN	2022-02-26T13:19:36	2390C60
RAM single Bit Error	730	WARN	2022-02-27T10:35:43	2360728

6 FOS Systems Status

- A new Orbit Scenario File was generated and delivered to the whole SMOS ground segment on the 24th of February 2022. The new OSF file 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>`

- On the 24th of February HCINSS in cooperation with ESA Corporate, added the missing redundant line of the SMOS FOS backup line between building A and B.
- On the 22 of February 2022, a new version of *Savoir* SW version 9.3.5, was installed on FOEXT PC to fix two major problems:
 - Real time synchronization not working properly
 - Update of SMOS TLE not working

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

MIRAS ITL was put on hold because of the orbit correction manoeuvre on the 25th of February generating the PLPC OOL below.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2022-02-25T07:14:49	2022-02-24T22:40:00	NTLHK022	ITL Ena State	Disabled	Enabled