



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 05, year 2022

from 31 JAN 2022 to 07 FEB 2022

1.0

1 General Comments

Activities scheduled for this week are those planned for the 05th calendar week of 2022:

31 JAN 2022 to 07 FEB 2022 (DOYs 031 to 038).

The following routine activities were planned this week (see Gantt chart on next page and CRF 1027).

- One Warm NIR Calibration on 02 FEB 2022 (DOY 033) with ETO 04:14:30z (orbit 64393; DESCENDING: thermally UNSTABLE) and with the following expected calibration values:

B.T.	=	3.67°
R.M.S.	=	0.07
Sun elevation	=	9.74°
Moon elevation	=	22.16°
R.A.	=	39.36°
DEC.	=	-16.43°
- One PMS Offset on 03 FEB 2022 (DOY 034), including three Short Calibrations at 07:14:00.0z, 07:14:34.8z, and 07:15:09.6z (orbit 64409).
- 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:

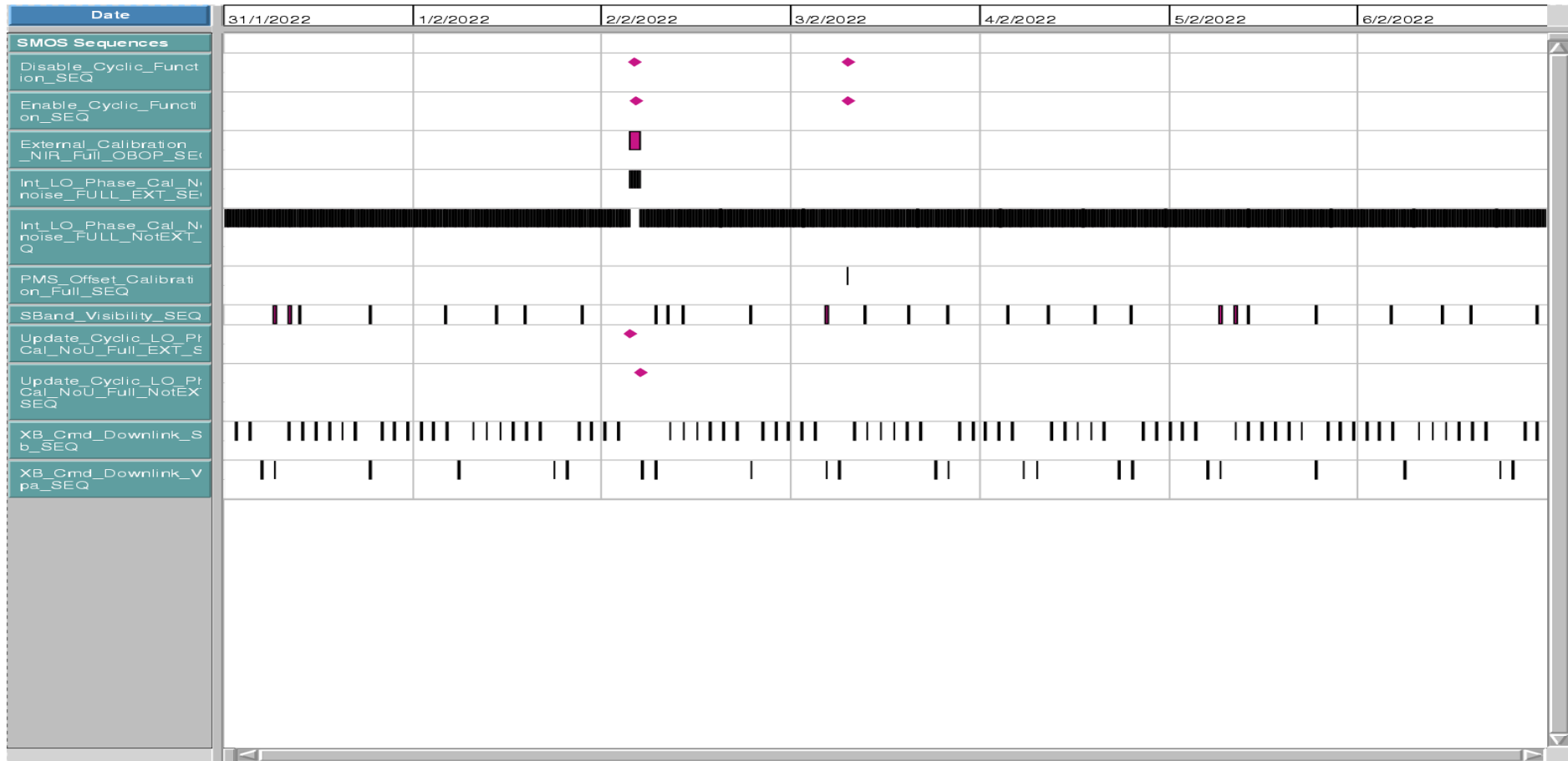
Issue:

FOS Report for week 05, year 2022

from 31 JAN 2022 to 07 FEB 2022

1.0

Schedule Name: 2022_w05_cr ### Display start: 31-01-2022 00:00:00.000 ### Display end: 07-02-2022 00:00:00.000





Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 05, year 2022

from 31 JAN 2022 to 07 FEB 2022

1.0

3 TC Failures

None.

4 On Board Anomalies

- The MIRAS CMN, unit C3, unlocked 2022-02-01T08:52:04.295z (DOY 032). This anomaly was geolocated over the South Atlantic Ocean, just eastward of Estado de Sao Paulo (Brazil):

Latitude = -25.41°

Longitude = 321.33°

Only locking status parameter SPM22167, went out of limits in the FOS PLPC system. The anomaly recovered in 3 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	2022-02-01T10:51:16	205EE54

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.

10 AOB

None.



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

FOS Report for week 05, year 2022

Date:

from 31 JAN 2022 to 07 FEB 2022

Issue:

1.0

APPENDIX A: OOLs

The following PLPC out of Limit was received at the time of the CMN Unlock of unit C3 on the 1st of February.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2022-02-01T11:08:25	2022-02-01T08:52:04	SPM22167	C3 LO_Locking	UNLOCK	LOCK