



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 29, year 2021

from 19 JUL 2021 to 26 JUL 2021

1.0

1 General Comments

Activities scheduled for this week are those planned for the 29th calendar week of 2021:

19 JUL 2021 to 26 JUL 2021 (DoYs 200 to 207).

The following routine activities were planned this week (see Gantt chart on next page and CRF 982).

- One Warm NIR Calibration on 21 JUL 2021 (DoY 202) with ETO 04:30:08z (orbit 61573; DESCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.65°
R.M.S.	=	0.20
Sun elevation	=	7.65°
Moon elevation	=	18.66°
R.A.	=	214.36°
DEC.	=	33.77°
- One PMS Offset on 22 JUL 2021 (DoY 203), including three Short Calibrations at 06:05:30.0z, 06:06:04.8z, and 06:06:39.6z (orbit 61588).
- 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:

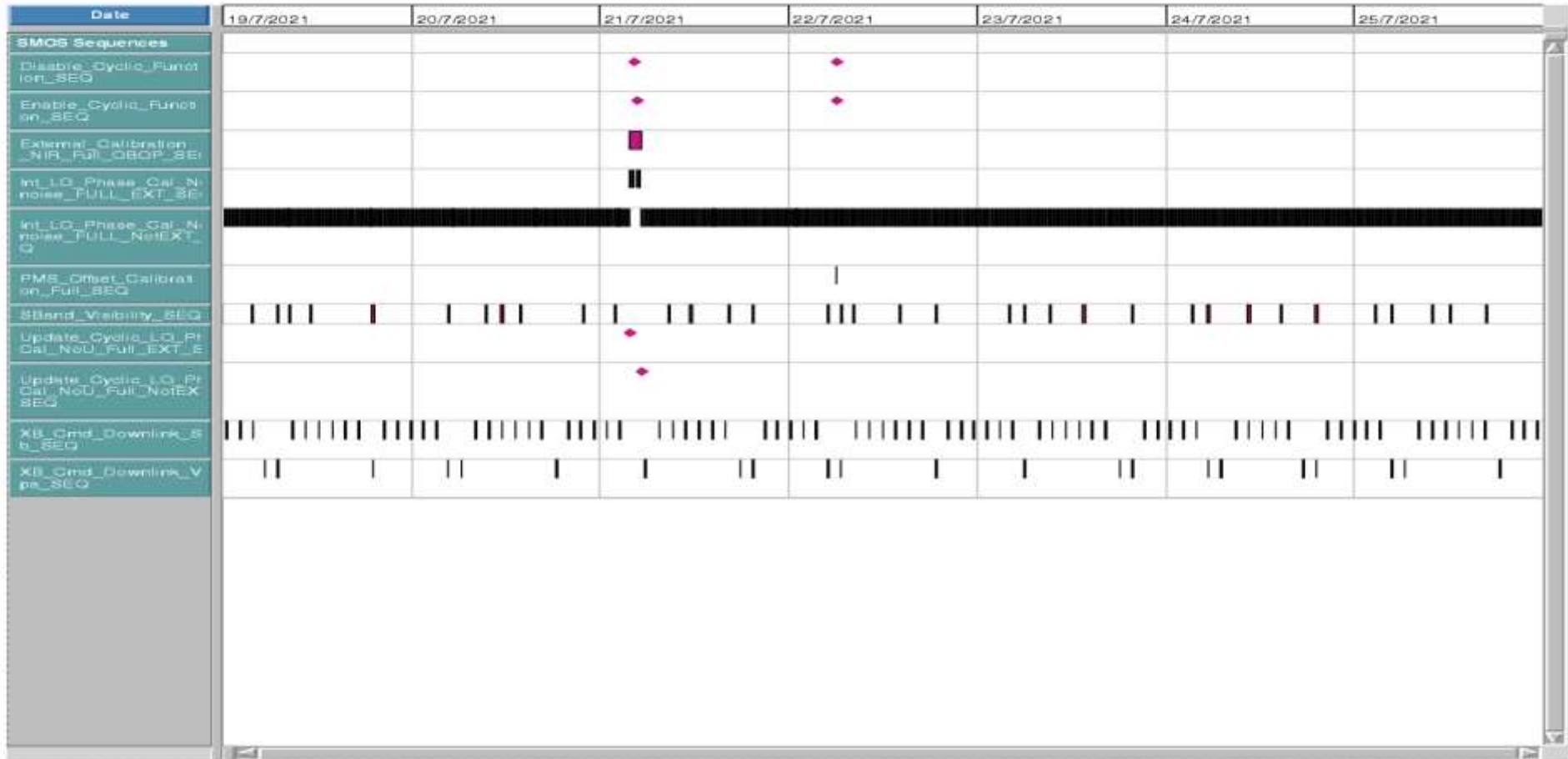
Issue:

FOS Report for week 29, year 2021

from 19 JUL 2021 to 26 JUL 2021

1.0

Schedule Name: 2021_w29_or ### Display start: 19-07-2021 00:00:00.000 ### Display end: 26-07-2021 00:00:00.000





Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 29, year 2021

from 19 JUL 2021 to 26 JUL 2021

1.0

3 TC Failures

None.

4 On Board Anomalies

- The MIRAS CMN, unit C3, unlocked 2021-07-19T22:18:03.046z (DOY 200). This anomaly was geolocated over Greenland:

Latitude = 72.23

Longitude = 323.37

Only locking status parameter SPM13167, went out of limits in the FOS PLPC system. The anomaly recovered in 3 epochs.

- MIRAS instrument MM, partition P2, latched up 2021-07-22T08:06:33.271z (DOY 203). The following parameters went out of limits in the PLPC system:

2021.203.08:06:33.271z DMASME10 LU Switch P2

2021.203.08:06:33.271z DMASME37 SDD LU Detected

This anomaly was geolocated over the South Atlantic anomaly:

Latitude = -15.30

Longitude = 331.00

No loss of science data is foreseen for this anomaly. Recovery will take place the day after tomorrow, 24 JUL 2021, at 12:40:00z (CRF 985). At the time of the anomaly the position of the MM pointers were as follows:

READ = 538427 (partition P1)

WRITE = 762300 (partition P1)

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	2021-07-20T21:41:39	215229C
RAM Single Bit Error	730	WARN	2021-07-21T21:30:50	2263174

6 FOS Systems Status

All FOS systems nominal.



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 29, year 2021

from 19 JUL 2021 to 26 JUL 2021

1.0

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:

Date:

Issue:

FOS Report for week 29, year 2021

from 19 JUL 2021 to 26 JUL 2021

1.0

APPENDIX A: OOLs

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2021-07-20T05:07:39	2021-07-19T22:18:03	SPM13167	H3 LO_Locking	UNLOCK	LOCK
2021-07-22T08:31:34	2021-07-22T08:06:33	DMASME37	SDD LU Detected	FALSE	TRUE
2021-07-22T08:31:34	2021-07-22T08:06:33	DMASME10	LU Switch P2	OFF	ON