



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/A. Llorente

Topic:

Date:

Issue:

FOS Report for week 51, year 2019

from 16 DEC 2019 to 23 DEC 2019

1.0

1 General Comments

Activities scheduled for this week are those planned for the 51st calendar week of 2019:

16 DEC 2019 to 23 DEC 2019 (DOYs 350 to 357).

The following routine activities were planned this week (see Gantt chart on next page and CRF-857).

- One Warm NIR Calibration on 18 DEC 2019 (DOY 352) with ETO 15:41:31z (orbit 53219; ASCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.86°
R.M.S.	=	0.30
Sun elevation	=	9.98°
Moon elevation	=	62.56°
R.A.	=	179.77 °
DEC.	=	-16.5°
- One PMS Offset on 19 DEC 2019 (DOY 353), including three Short Calibrations at 06:20:00.0z, 06:20:34.8z, and 06:21:09.6z (orbit 53228).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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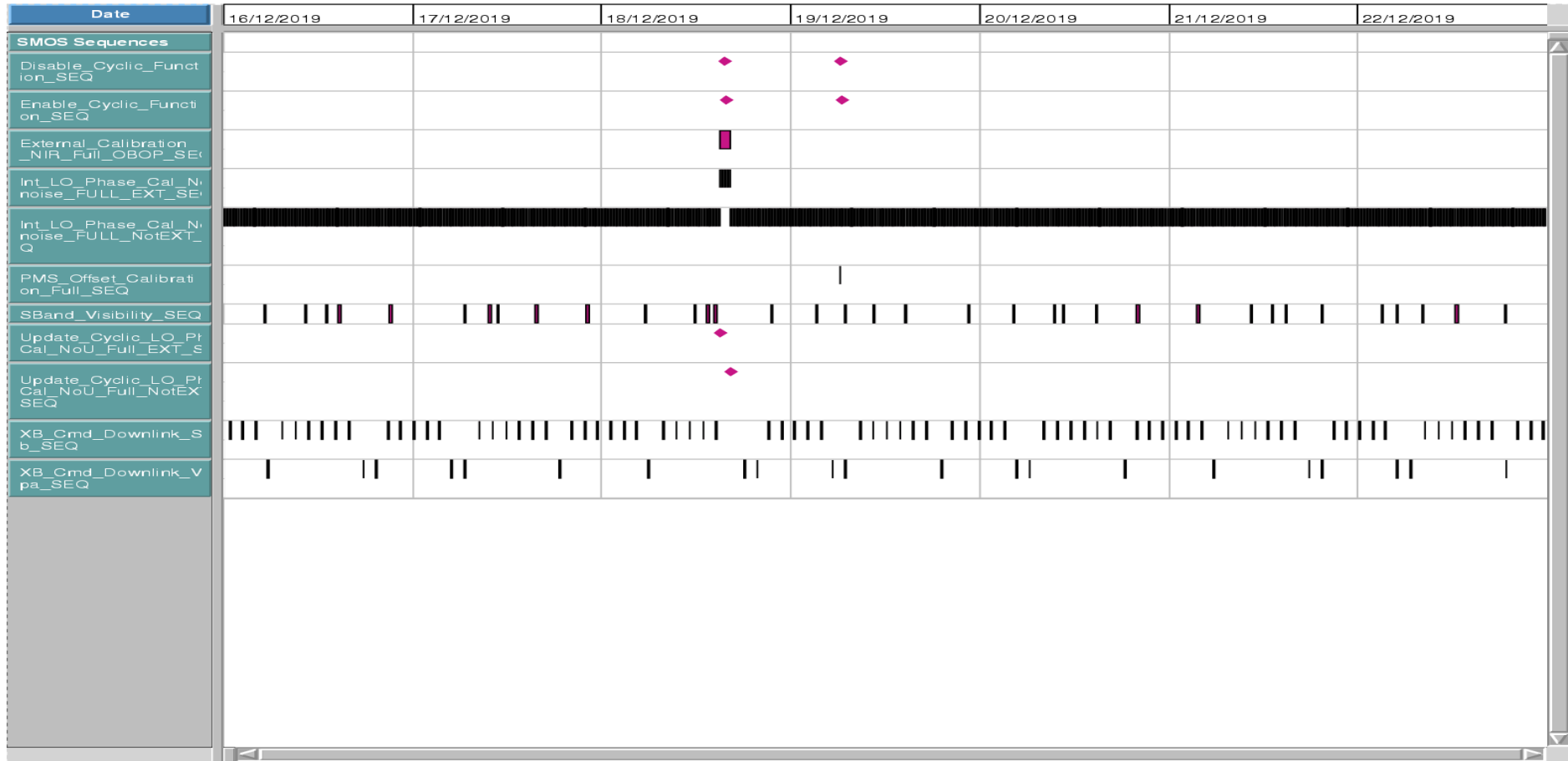
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Schedule Name: 2019_w51_cr ### Display start: 16-12-2019 00:00:00.000 ### Display end: 23-12-2019 00:00:00.000





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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	2019-12-18T11:53:14	235AA80
RAM single Bit Error	730	WARN	2019-12-19T19:22:32	2018914

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, with the following exceptions:

- The whole telemetry data for S-Band pass HBX-21 on 22 of December 2019 (AOS=02:58:12z, LOS=03:09:03z), was not received at ESAC. This problem created a gap from 2019-12-21T19:21:27.373z to 2019-12-22T03:00:34.873z. MIRAS PUS TM data was filled from X-Band and PXMF system.

8 X Band Data Reception in PXMF

PXMF system was used to fill the TM gap reported in step 7 of this report.

9 Exceptional Activities

None.

10 AOB

None.



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APPENDIX A: OOLs

The

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2019-12-19T10:57:51	2019-12-19T08:34:37	NCMN2T04	CMN2 Ch2 Temp	26.01882	26.0
2019-12-19T10:58:02	2019-12-19T08:38:27	NCMN2T04	CMN2 Ch2 Temp	26.02308	26.0