



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 01, year 2019

From 31 DEC 2018 to 07 JAN 2019

1.0

1 General Comments

Activities scheduled for this week are those planned for the 1st calendar week of 2019:

31 DEC 2018 to 07 JAN 2019 (DOYs 365/2018 to 007/2019)

The Mission Planning for this week was performed together with the one of week 52 of year 2018 but this report only contents the events happened on week 1 of year 2019. The Gantt chart included in this report is the one containing the two weeks in a row.

The following routine activities were planned this week (see Gantt chart on next page and CRF 783).

- One Warm NIR Calibration on 02 JAN 2019 (DOY 002) with ETO 17:44:43z (orbit 48184; ASCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	4.04°
R.M.S.	=	0.41
Sun elevation	=	9.98°
Moon elevation	=	43.92°
R.A.	=	195.23°
DEC.	=	-19.97°
- One PMS Offset on 03 JAN 2019 (DOY 003), including three Short Calibrations at 06:46:30.0z, 06:47:04.8z, and 06:57:39.6z (orbit 48192).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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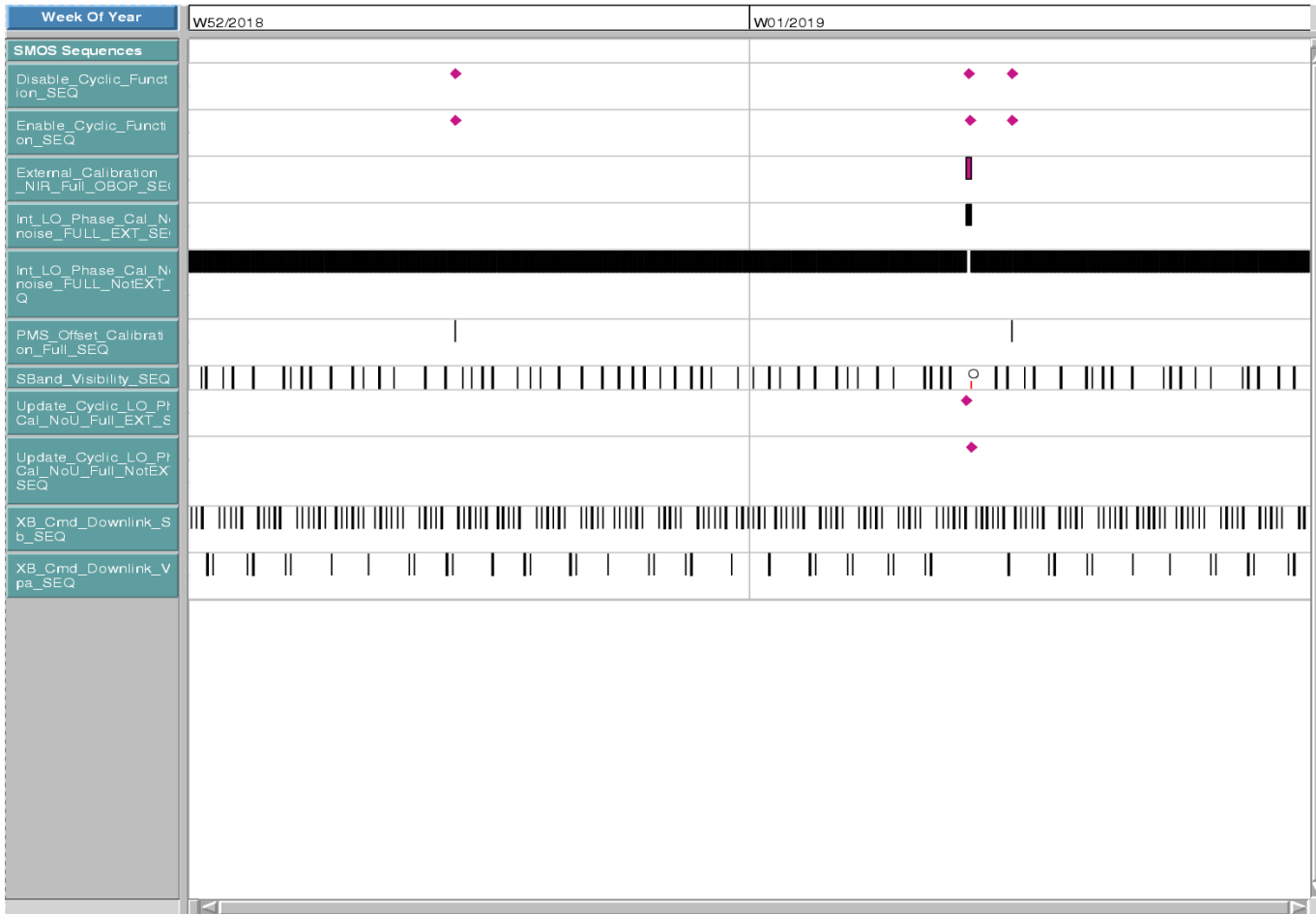
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Schedule Name: 2018_w52_cr ### Display start: 24-12-2018 00:00:00.000 ### Display end: 25-12-2018 09:36:00.000





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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	2018-12-31T21:33:02	20F4D00
RAM single Bit Error	730	WARN	2018-12-31T09:47:38	20BD25C

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 exception:

- On 2019-01-03 and because of an electrical failure at the receiving station, S-band GS pass KER-3 with AOS 13:07:34z got lost. The failure generated a gap on MIRAS PUS TM from 2019-01-03T10:27:40z to 2019-01-03T13:09:11z that was filled with X-Band TM data. The following E-HKTM was lost from 2019-01-03T10:27:26z to 2019-01-03T13:09:34.

8 X Band Data Reception in PXMF

Due to the S-Band pass failure on 2019-01-03 FOS retrieved MIRAS PUS TM from the X-Band side using the PXMF system. The following PUS TM gap was filled from 2019-01-03T10:27:40z to 2019-01-03T13:09:11z.

9 Exceptional Activities

None.

10 AOB

None.



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APPENDIX A: OOLs

No relevant Out of Limits were received this week.