



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 43, year 2019

from 21 OCT 2019 to 28 OCT 2019

1.0

1 General Comments

Activities scheduled for this week are those planned for the 43rd calendar week of 2019:

21 OCT 2019 to 28 OCT 2019 (DOYs 294 to 301).

The following routine activities were planned this week (see Gantt chart on next page and CRF 842).

- One Warm NIR Calibration on 23 OCT 2019 (DOY 296) with ETO 15:21:07z (orbit 52413; ASCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.86°
R.M.S.	=	0.64
Sun elevation	=	9.99°
Moon elevation	=	46.97°
R.A.	=	124.02°
DEC.	=	-17.49°
- One PMS Offset on 24 OCT 2019 (DoY 297), including three Short Calibrations at 05:59:30.0z, 06:00:04.8z, and 06:00:39.6z (orbit 52422).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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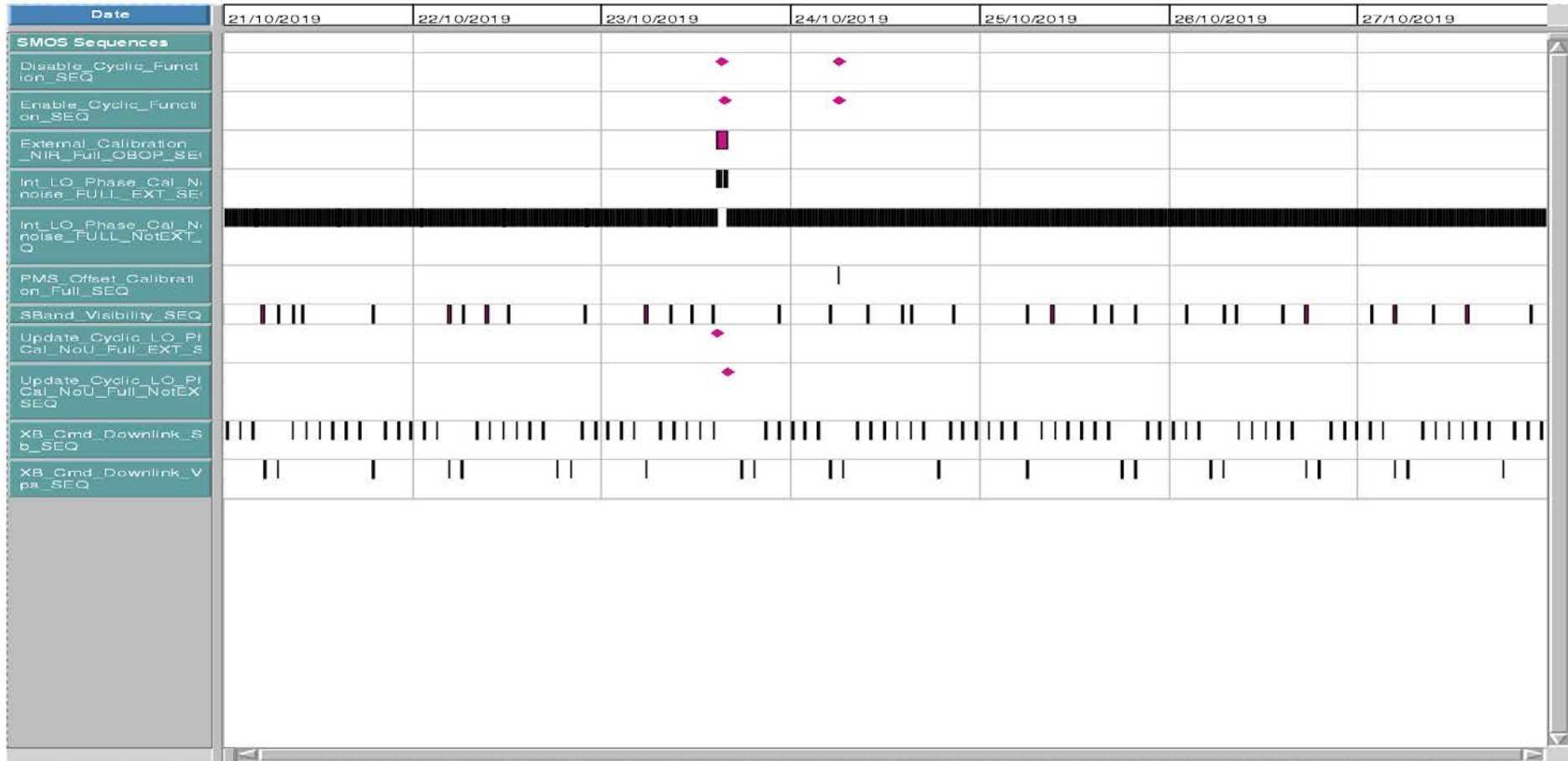
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Schedule Name: 2019_w43_cr ### Display start: 21-10-2019 00:00:00.000 ### Display end: 28-10-2019 00:00:00.000





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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	2019-10-26T23:56:30	227AFD4

6 FOS Systems Status

- For mission planning week 44, year 2019, the attempt to create a new PIC interval (i.e. from 28 OCT 2019 to 04 NOV 2019) was met with the following *FlexPlan* error message:

“The time range of the interval 2019_w44 is incorrect due to the whole extension of planned time would cover 10.005376 years. (from 02-nov-2009 00:00:00.000 to 04-nov-2019 00:00:00.000). The number of years permitted for planning are 10>”

FOS diagnosed that this issue appeared after the 10 year in orbit mark was reached for *FlexPlan* mission planning system. In order to solve the problem the following steps were applied:

1. Stop SPGF by exiting the system.
2. Go to *config* directory and edit the *fspinner.config* file
3. Set `MAX_EXTENT_PIC_INTERVAL` with value higher than 10.
5. Save the file
6. Start SPGF.

The solution worked and it was applied to all three SPGF servers. The new value chosen for variable `MAX_EXTENT_PIC_INTERVAL` was 25, to bring it in line with GPS and the new auto-downlink function.

7 Data Reception from CNES

All S band passes were correctly received from CNES and successfully processed by the FOS PLPC system.



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8 X Band Data Reception in PXMF

None, all S band passes successfully received and processed.

9 Exceptional Activities

None.

10 AOB

None.

APPENDIX A: OOLs

No relevant PLPC Out of Limits were received this week.