



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 02, year 2020

from 06 JAN 2020 to 13 JAN 2020

1.0

1 General Comments

Activities scheduled for this week are those planned for the 02nd calendar week of 2020:

06 JAN 2020 to 13 JAN 2020 (DOYs 006 to 013).

The following routine activities were planned this week (see Gantt chart on next page and CRF 859).

- One Warm NIR Calibration on 06 JAN 2020 (DOY 006) with ETO 02:40:59z (orbit 53485; DESCENDING: thermally UNSTABLE) and with the following expected calibration values:

B.T.	=	3.64°
R.M.S.	=	0.05
Sun elevation	=	9.98°
Moon elevation	=	44.04°
R.A.	=	11.93°
DEC.	=	-18.0°
- Two LONG Calibrations on 06 JAN 2020 (DOY 006), which encompassed two ascending semi-orbital periods starting at 14:27:00z (orbit 53492) and 16:08:15z (orbit 53493).
- One FTR Calibration on 07 JAN 2020 (DOY 007) with ETO 16:15:30z (orbit 53508; ASCENDING: thermally UNSTABLE) and with the following expected calibration values:

B.T.	=	3.52°
R.M.S.	=	0.14
Sun elevation	=	-14.83°
Moon elevation	=	-21.38°
R.A.	=	191.76°
DEC.	=	27.84°
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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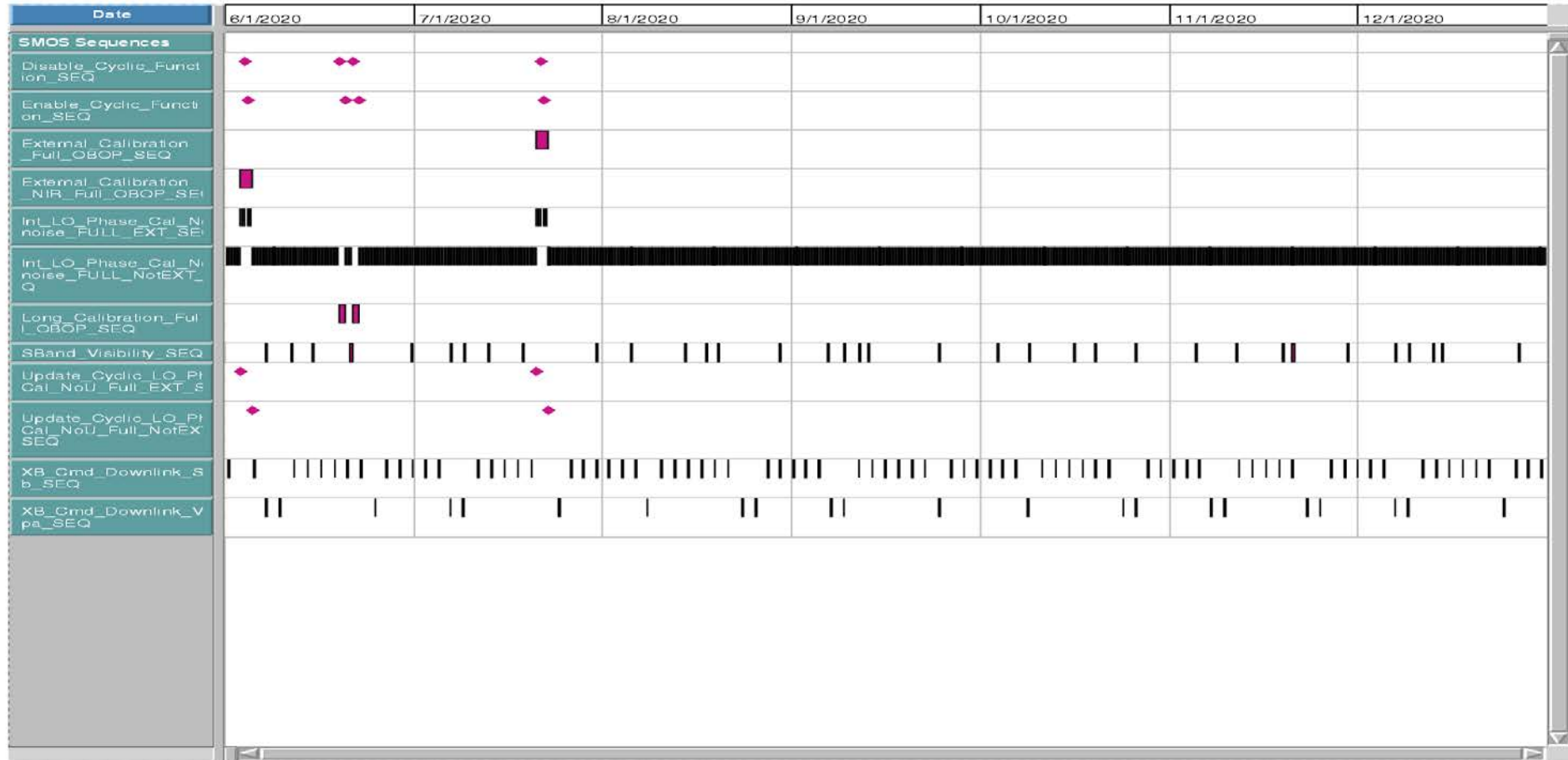
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Schedule Name: 2020_w02_cr ### Display start: 06-01-2020 00:00:00.000 ### Display end: 13-01-2020 00:00:00.000





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3 TC Failures

None.

4 On Board Anomalies

None.

5 On Board Events Telemetry

The following RAM Single Bit error befell this week:

Event Description	Packet ID	Severity	Event Time	Parameters
RAM Single Bit Error	730	WARN	2020-01-07T12:06:41.143	2093164

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:

- S band GS pass KER-07 with AOS at 2020-01-07T13:44:08z was delivered late to FOS because of an issue in CCC SMOS, with no impact on the PLPC system.
- S band GS pass KRX-02 with AOS at 2020-01-05T14:30:44 contained the following gaps because of a SOGS software issue:

PUS HKTM from 2020-01-05T11:01:57z to 2020-01-05T11:57:26z

E-HKTM from 2020-01-05T11:01:40z to 2020-01-05T12:04:36z.

PUS TM Gap data were later recovered by CNES and delivered on 7 JAN 2020 to FOS, with no impact on the PLPC systems. The gap generated in the SMTA-MUST DBs were filled manually.

8 X Band Data Reception in PXMF

None, all S band passes successfully received and processed.

9 Exceptional Activities

None.



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10 AOB

None.

APPENDIX A: OOLs

No relevant Out of Limits were received this week