



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 30, year 2019

from 22 JUL 2019 to 29 JUL 2019

1.0

1 General Comments

Activities scheduled for this week are those planned for the 30th calendar week of 2019:

22 JUL 2019 to 29 JUL 2019 (DOYs 203 to 210).

The following routine activities were planned this week (see Gantt chart on next page and CRF 822).

- One PMS Offset on 25 JUL 2019 (DOY 206), including three Short Calibrations at 06:42:00.0z, 06:42:34.8z, and 06:43:09.6z (orbit 51113).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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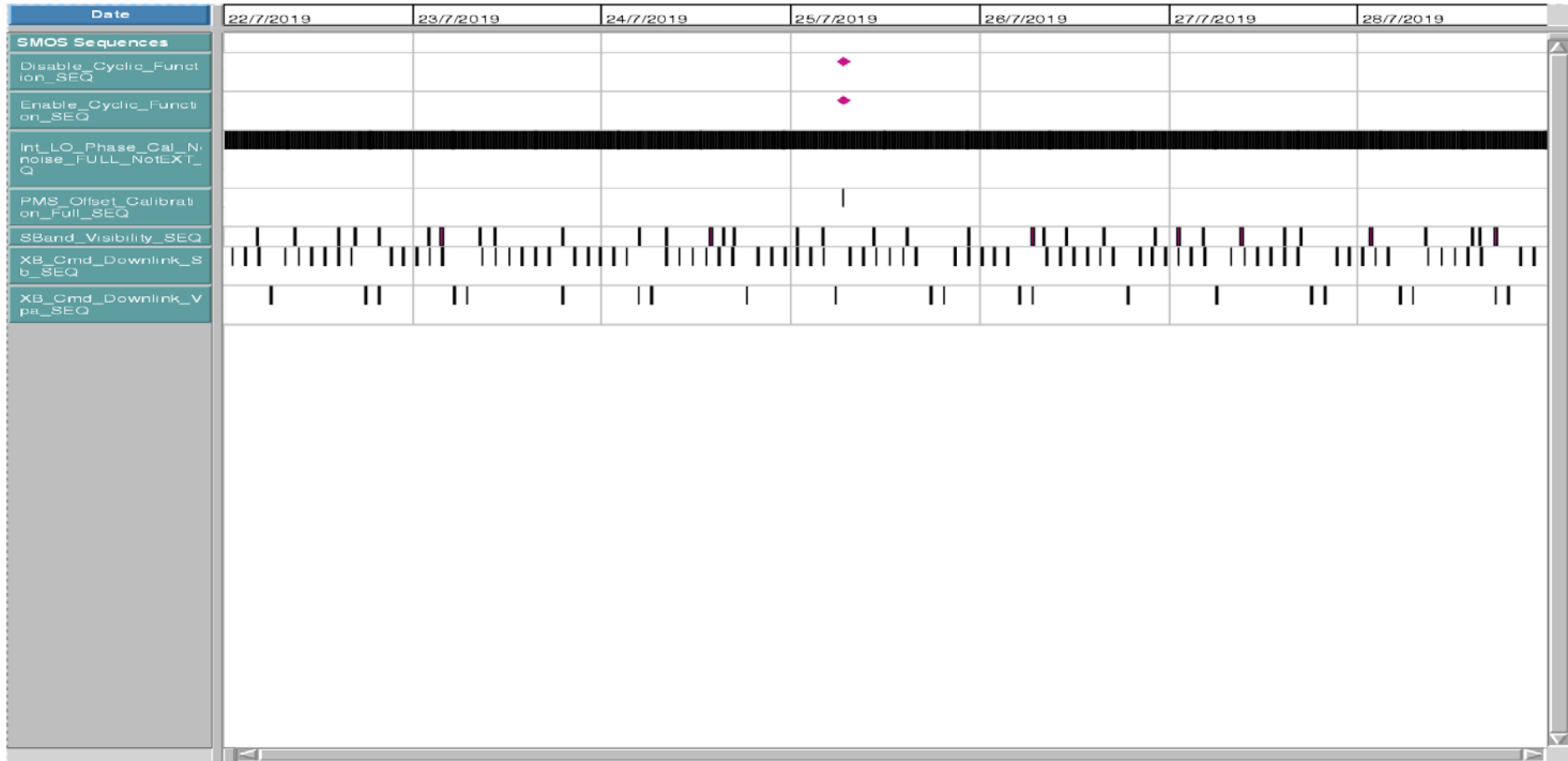
Date:

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Schedule Name: 2019_w30_cr ### Display start: 22-07-2019 00:00:00.000 ### Display end: 29-07-2019 00:00:00.000





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3 TC Failures

None.

4 On Board Anomalies

- The MIRAS CMN, unit H1, unlocked 2019-07-25T14:09:35.415z (DOY 206). This anomaly was geolocated over eastern Greenland:

Latitude = 70.76°

Longitude = 212.92°

Both parameters, output power SPM11162 and locking status SPM11167, went out of limits in the FOS PLPC system. The anomaly recovered in 5 epochs.

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	2019-07-28T12:34:32	2010D40
RAM single Bit Error	730	WARN	2019-07-28T11:45:44	2263D74
RAM single Bit Error	730	WARN	2019-07-24T21:17:20	2043558
RAM single Bit Error	730	WARN	2019-07-24T02:02:44	209F7C8

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.

8 X Band Data Reception in PXMF

None, all S band passes successfully received and processed.

9 Exceptional Activities

None.

10 AOB

None.



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APPENDIX A: OOLs

The following OOLs were received on the FOS PLPC system at the time of the CMN Unlock on the 25 of July.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2019-07-25T15:21:00	2019-07-25T14:09:35	SPM11162	H1 LO_Out_Power	NOT-OK	OK
2019-07-25T15:21:00	2019-07-25T14:09:41	SPM11167	H1 LO_Locking	UNLOCK	LOCK