Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

SMOS

Topic:

Date:

Issue:

FOS Report for week 36, year 2019

from 02 SEP 2019 to 09 SEP 2019

1.0

1   General Comments

Activities scheduled for this week are those planned for the 36th calendar week of 2019:

```
02 SEP 2019 to 09 SEP 2019 (DOYs 245 to 252).
```

The following routine activities were planned this week (see Gantt chart on next page and CRF 830).

- One PMS Offset on 05 SEP 2019 (DOY 248), including three Short Calibrations at 07:47:00.0z, 07:47:34.8z, and 07:48:09.6z (orbit 51718).
- Local Oscillator Calibrations every 10 minutes.
- *X* band Passes over ESAC and Svalbard.

2   Mission Planning Deviations

None.

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Reported by:
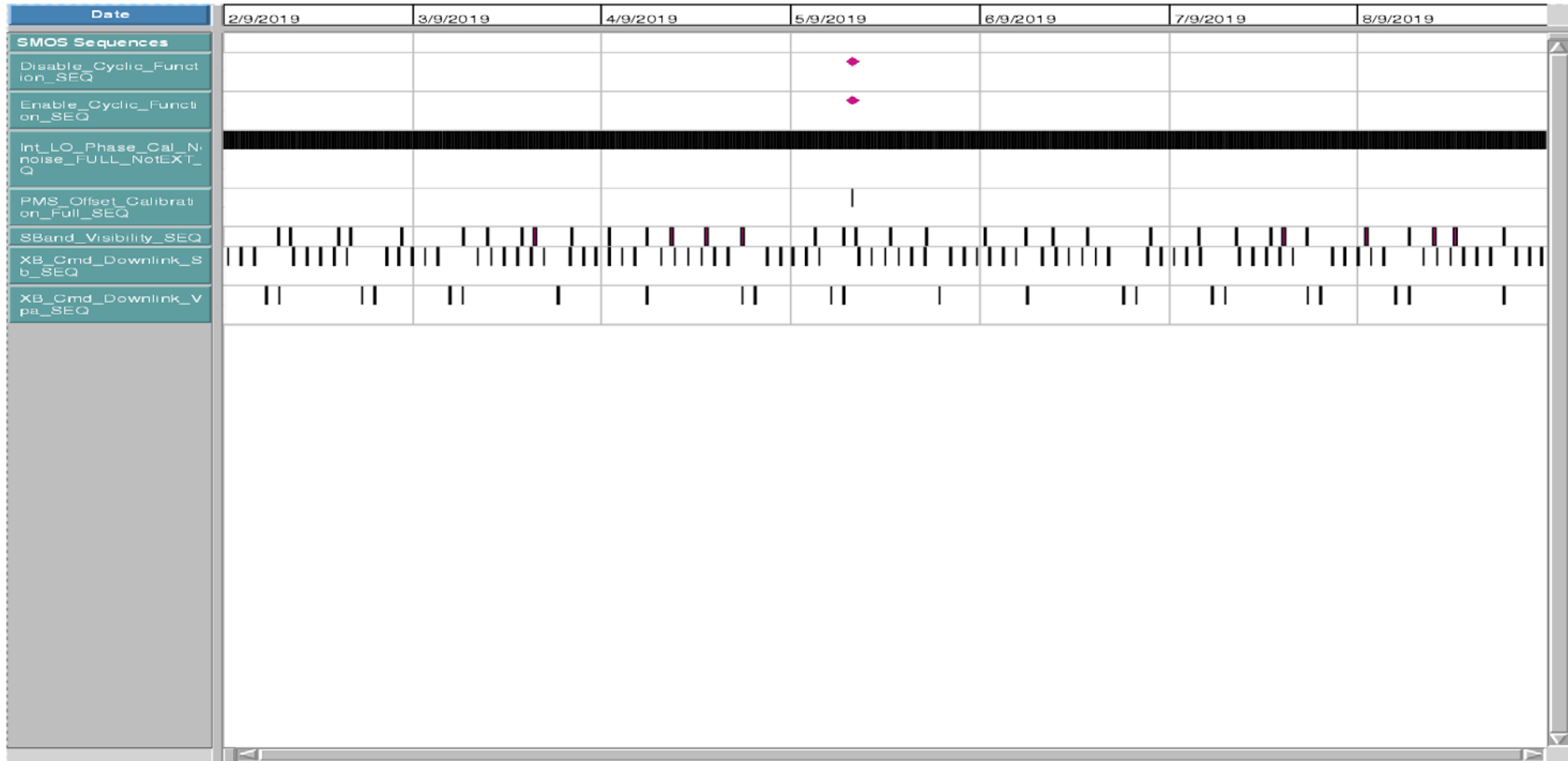*J. Fauste/J.M. Castro Cerón*

Topic:
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Schedule Name: 2019_w36_cr   ###   Display start: 02-09-2019 00:00:00.000   ###   Display end: 09-09-2019 00:00:00.000

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3   TC Failures

None.

4   On Board Anomalies

- The MIRAS CMN, unit C3, unlocked 2019-09-06T10:52:50.915z (DOY 249). This anomaly was geolocated over the Brasil-Perú Amazonian border:

$$Latitude = -9.16°$$
$$Longitude = 288.48°$$

Only locking status parameter SPM22167, went out of limits in the FOS PLPC system. The anomaly recovered in two 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	2019-09-06T21:57:06	2353CEC
RAM single Bit Error	730	WARN	2019-09-02T11:11:06	2365BFC

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 TM parameter went temporary out of limits on the FOS PLPC system at the time of the CMN unlock of unit C3.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2019-09-06T14:07:19	2019-09-06T10:52:50	SPM22167	C3 LO_Locking	UNLOCK	LOCK