	Operations Notes	Topic:	**FOS Report for week 37, year 2020**
	FOS Team @ ESAC	Date:	from 07 SEP 2020 to 14 SEP 2020
	Reported by:	Issue:	**1.0**
	J. Fauste/J.M. Castro Cerón		

1 General Comments

Activities scheduled for this week are those planned for the 37th calendar week of 2020:

```
07 SEP 2020 to 14 SEP 2020 (DOYs 251 to 258).
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A routine Orbit Correction Manoeuvre (OCM) was scheduled for 10 SEP 2020 at 00:29:06z. The affected time period went from 2020-09-10T00:19:18.345z to 2020-09-10T00:38:55.865z. Science data for that period was flagged with an external APID. No regular X band GS passes conflicted with this OCM.

The following routine activities were planned this week (see Gantt chart on next page and CRF 912).

- One PMS Offset on 10 SEP 2020 (DOY 254), including three Short Calibrations at 07:05:30.0z, 07:06:04.8z, and 07:06:39.6z (orbit 57056).
- Local Oscillator Calibrations every 10 minutes.
- *X* band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.

Operations Notes

FOS Team @ ESAC

Reported by:

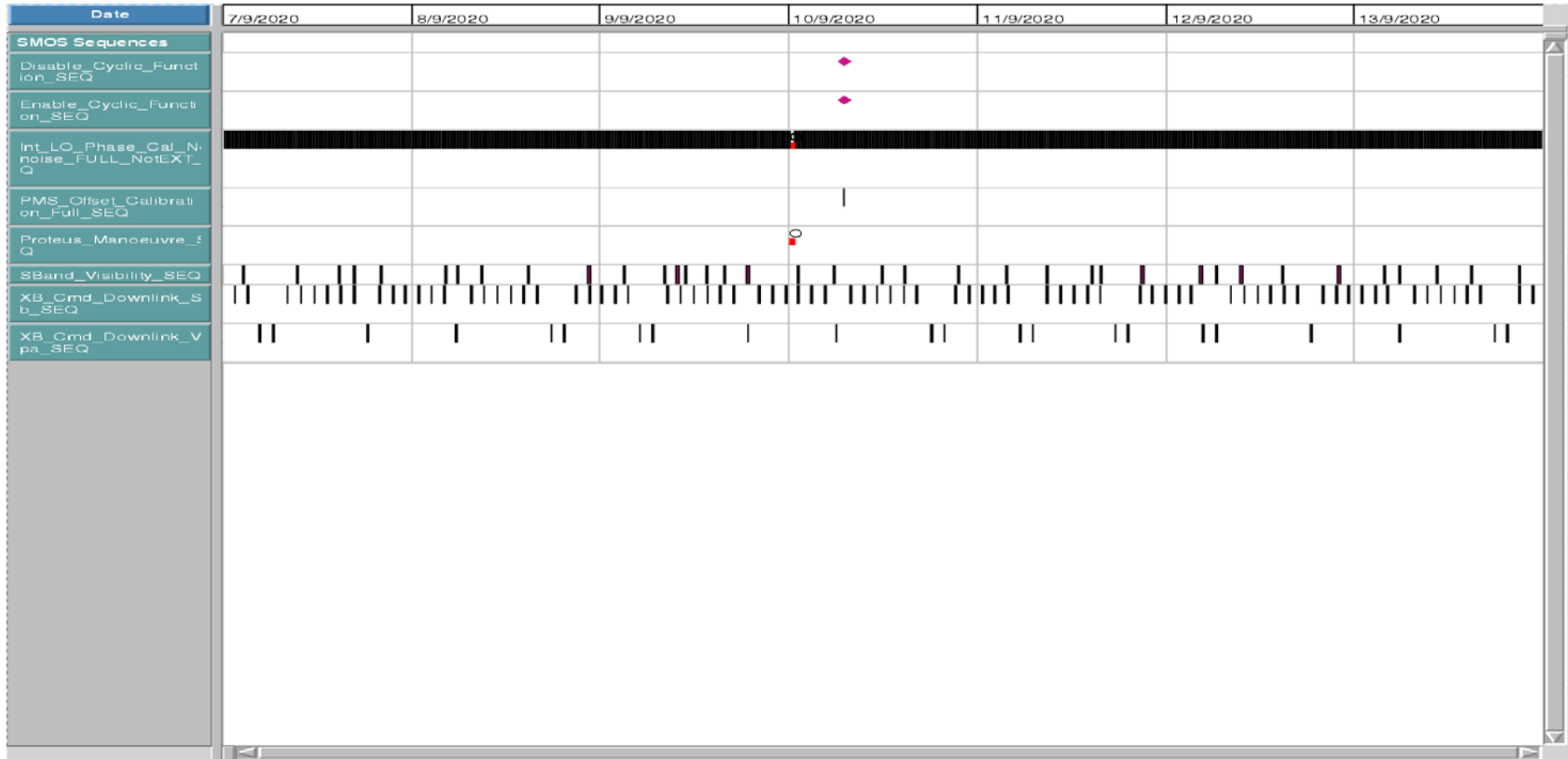*J. Fauste/J.M. Castro Cerón*

Topic:

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Schedule Name: 2020_w37_cr   ###   Display start: 07-09-2020 00:00:00.000   ###   Display end: 14-09-2020 00:00:00.000

Operations Notes

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3 TC Failures

None.

4 On Board Anomalies

- The MIRAS CMN, unit H1, unlocked 2020-09-11T10:11:48.845z (DOY 255).This anomaly was geolocated over the Estado do Amazonas (Brazil):

$$Latitude = -6.88°$$
$$Longitude = 298.39°$$

Both parameters, output power SPM11162 and locking status SPM11167, went out of limits in the FOS PLPC system. The anomaly recovered in 3 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	2020-09-12T23:22:05	210BC10

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

At the time of the OCM manoeuvre the following out of limit nominally appeared on the PLPC system indicating that the on-board ITL was made disabled during the manoeuvre execution.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2020-09-10T01:46:01	2020-09-10T00:19:10	NTLHK022	ITL Ena State	Disabled	Enabled

The two following temporary out of limits were issued on the FOS PLPC system at the time of the CMN unlock on the 11 of September.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2020-09-11T14:59:29	2020-09-11T10:11:48	SPM11167	H1 LO_Locking	UNLOCK	LOCK
2020-09-11T14:59:29	2020-09-11T10:11:48	SPM11162	H1 LO_Out_Power	NOT-OK	OK