



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 15, year 2020

from 06 APR 2020 to 20 APR 2020

1.0

1 General Comments

Activities scheduled for this week are those planned for the 15th calendar week of 2020:

06 APR 2020 to 13 APR 2020 (DOYs 97 to 104).

Mission Planning for this week was calculated together with that of week 16, year 2020. The current report contains only the events that occurred during week 15, year 2020. The Gantt chart included in this report is the one containing the two weeks combined.

The following routine activities were planned this week (see Gantt chart on next page and CRF 878).

- One PMS Offset on 09 APR 2020 (DOY 100), including three Short Calibrations at 07:00:00.0z, 07:00:34.8z, and 07:01:09.6z (orbit 54840).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

As per ESA-CNES management agreement reached 16 MAR 2020 — in view of limited operations because of the ongoing COVID-19 pandemic— CRF 878 spanned —exceptionally— a two-week period.



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Schedule Name: 2020_w15_w16_cr ### Display start: 06-04-2020 00:00:00.000 ### Display end: 07-04-2020 09:36:00.000





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3 TC Failures

None.

4 On Board Anomalies

- The MIRAS CMN, unit H1, unlocked 2020-04-07T10:18:48,724z (DOY 098). This anomaly was geolocated over “*Departamento de Boquerón*” (Paraguay):

Latitude = -22.76°

Longitude= 299.18°

Both parameters, output power SPM11162 and locking status SPM11167, went out of limits in the FOS PLPC system. The anomaly recovered in 12 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	2020-04-10T21:20:09	210A570

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 CMN Unlock anomaly on the 7th of April, the following two temporary out of limits were received on the FOS PLPC system:

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2020-04-07T11:04:15	2020-04-07T10:18:48	SPM11162	H1 LO_Out_Power	NOT-OK	OK
2020-04-07T11:04:16	2020-04-07T10:18:55	SPM11167	H1 LO_Locking	UNLOCK	LOCK