



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 19, year 2020

from 04 MAY 2020 to 18 MAY 2020

1.0

1 General Comments

Activities scheduled for this week are those planned for the 20th calendar week of 2020:

11 MAY 2020 to 18 MAY 2020 (DOYs 132 to 139).

Mission Planning for this week was calculated together with that of week 19, year 2020. The current report contains only the events that occurred during week 20, 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 881).

- One Warm NIR Calibration on 13 MAY 2020 (DOY 134) with ETO 06:05:15z (orbit 55329; DESCENDING: thermally UNSTABLE) and with the following expected calibration values:

B.T.	=	3.55°
R.M.S.	=	0.12
Sun elevation	=	4.01°
Moon elevation	=	-73.77°
R.A.	=	145.70°
DEC.	=	30.26°
- One PMS Offset on 14 MAY 2020 (DOY 135), including three Short Calibrations at 07:38:00.0z, 07:38:34.8z, and 07:39:09.6z (orbit 55344).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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Schedule Name: 2020_w19_w20_cr ### Display start: 04-05-2020 00:00:00.000 ### Display end: 05-05-2020 09:36:00.000





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3 TC Failures

None.

4 On Board Anomalies

The MIRAS CMN, unit C3, unlocked 2020-05-15T23:02:36z (DOY 136). This anomaly was geolocated over Saint Lawrence river mouth area at the following geographical coordinates:

Latitude = 49.47°

Longitude = 294.63°

Only locking status parameter, SPM22167, went out of limits in the FOS PLPC system. The autonomously anomaly recovered in few seconds.

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	2020-05-12T12:28:21	20A15E8

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 15th of May, the following temporary out of limit was received on the FOS PLPC system.

GS_TIME	OB_TIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2020-05-16T03:35:40	2020-05-15T23:02:36	SPM22167	C3 LO_Locking	UNLOCK	LOCK