



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 32, year 2020

from 03 AUG 2020 to 10 AUG 2020

1.0

1 General Comments

Activities scheduled for this week are those planned for the 32nd calendar week of 2020:

03 AUG 2020 to 10 AUG 2020 (DOYs 216 to 223).

The following routine activities were planned this week (see Gantt chart on next page and CRF 904).

- One Warm NIR Calibration on 05 AUG 2020 (DOY 218) with ETO 04:55:30z (orbit 56537; DESCENDING: thermally UNSTABLE) and with the following expected calibration values:

B.T.	=	3.84°
R.M.S.	=	0.29
Sun elevation	=	5.10°
Moon elevation	=	-21.85°
R.A.	=	228.55°
DEC.	=	29.42°
- One PMS Offset on 06 AUG 2020 (DoY 219), including three Short Calibrations at 06:28:00.0z, 06:28:34.8z, and 06:29:09.6z (orbit 56552).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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3 TC Failures

None.

4 On Board Anomalies

None.

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	2020-08-07T08:12:02	2209A08
RAM single Bit Error	730	WARN	2020-08-05T10:54:07	20B9FDC
RAM single Bit Error	730	WARN	2020-08-04T21:48:43	21C3254
RAM single Bit Error	730	WARN	2020-08-03T20:54:10	2273AC8

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, with the following exception:

- Short MIRAS PUS TM gap for HBX-5 pass with AOS=2020-08-08T03:43:14z. The gap, just 40 TM packets, went from 2020-08-07T22:38:28.870z to 2020-08-07T22:38:52.870z. CNES also noticed a gap on E-HKTM from 22:55:48 to 22:56:44, PUS TM data will be filled from X-Band side.

8 X Band Data Reception in PXMf

None, all S band passes successfully received and processed.

9 Exceptional Activities

None.

10 AOB

None.

APPENDIX A: OOLs

No relevant out of limits were received this week.



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