



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 05, year 2021

from 01 FEB 2021 to 08 FEB 2021

1.0

1 General Comments

Activities scheduled for this week are those planned for the 05th calendar week of 2021:

01 FEB 2021 to 08 FEB 2021 (DoYs 032 to 039).

The following routine activities were planned this week (see Gantt chart on next page and CRF 945).

- One Warm NIR Calibration on 03 FEB 2021 (DoY 034) with ETO 03:43:34z (orbit 59155; DESCENDING: thermally UNSTABLE) and with the following expected calibration values:

B.T.	=	3.68°
R.M.S.	=	0.07
Sun elevation	=	9.64°
Moon elevation	=	-62.78°
R.A.	=	40.60°
DEC.	=	-16.28°
- One PMS Offset on 04 FEB 2021 (DoY 035), including three Short Calibrations at 06:43:30.0z, 06:44:04.8z, and 06:44:39.6z (orbit 59171).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.
- A routine Orbit Correction Manoeuvre (OCM) was scheduled for 04 FEB 2021 at 22:31:59z. The affected time period went from 2021-02-04T22:22:04z to 2021-02-04T22:41:38z. Science data for that period was flagged with an external APID. One regular X band GS pass over Svalbard (AoS = 2021-02-04T22:31:14z; LoS = 2021-02-04T22:41:30z) was not scheduled because it conflicted with the OCM.

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	WARNING	2021.036.10.32.26,566z	222A830

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.