



## 1 General Comments

Activities scheduled for this week are those planned for the 01<sup>st</sup> calendar week of 2022:

03 JAN 2022 to 10 JAN 2022 (DOYs 003 to 010).

Mission Planning for this week was calculated together with that of week 52, year 2021. The current report contains only the events that occurred during week 01, year 2022. 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 1022).

- One Warm NIR Calibration on 05 JAN 2022 (DOY 005) with ETO 04:04:38z (orbit 63990; DESCENDING: thermally UNSTABLE) and with the following expected calibration values:

B.T.	=	3.64°
R.M.S.	=	0.05
Sun elevation	=	9.58°
Moon elevation	=	41.41°
R.A.	=	11.59°
DEC.	=	-17.25°

- Two LONG Calibrations on 05 JAN 2022 (DOY 005), which encompassed two ascending semi-orbital periods starting at 14:08:00z (orbit 63996) and 15:51:15z (orbit 63997).
- One FTR Calibration on 07 JAN 2022 (DOY 007) with ETO 15:20:16z (orbit 64026; ASCENDING: thermally UNSTABLE) and with the following expected calibration values:

B.T.	=	3.53°
R.M.S.	=	0.15
Sun elevation	=	-14.75°
Moon elevation	=	-64.17°
R.A.	=	192.24°
DEC.	=	27.61°

- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

## 2 Mission Planning Deviations

As per ESA-CNES management agreement, CRF 1022 spanned — exceptionally— a two-week period to cover the Christmas/New Year Holiday Season.



# Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

**FOS Report for week 52, year 2022**

From 03 JAN 2022 to 10 JAN 2022

**1.0**

Schedule Name: 2021\_w52\_2022\_w01\_cr ### Display start: 27-12-2021 00:00:00.000 ### Display end: 28-12-2021 09:36:00.000





## Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

**FOS Report for week 52, year 2022**

From 03 JAN 2022 to 10 JAN 2022

**1.0**

### 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	2022-01-05T12:31:37	232655C

### 6 FOS Systems Status

Overflow data problems with the MUST *bitparamvalue* table are still present and no data for this type of parameters is currently being archived. COPMUST team at ESOC is currently working in a solution that consist to spread that table in different binary files instead of just one. Once this is performed, nominal data ingestion for this type of parameters will again take place.

### 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.

## APPENDIX A: OOLs

No relevant out of limits were received this week on FOS PLPC system.