



## Operations Notes

FOS Team @ ESAC

Reported by:

*J. Fauste/J.M. Castro Cerón*

Topic:

Date:

Issue:

**FOS Report for week 30, year 2023**

from 24 JUL 2023 to 31 JUL 2023

**1.0**

## 1 General Comments

Activities scheduled for this week are those planned for the 30<sup>th</sup> calendar week of 2023:

24 JUL 2023 to 31 JUL 2023 (DoYs 205 to 212).

The following routine activities were planned this week (see Gantt chart on next page and CRF n° 1134).

- One Warm NIR Calibration on 26 JUL 2023 (DoY 207) with ETO 04:19:32z (orbit 72149; DESCENDING: thermally STABLE) and with the following expected calibration values:

B.T.	=	3.70°
R.M.S.	=	0.23
Sun elevation	=	7.01°
Moon elevation	=	42.74°
R.A.	=	218.41°
DEC.	=	32.46°
- One PMS Offset on 27 JUL 2023 (DoY 208), including three Short Calibrations at 05:52:30.0z, 05:53:04.8z, and 05:53:39.6z (orbit 72164).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

## 2 Mission Planning Deviations

None.



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Schedule Name: 2023\_w30\_cr ### Display start: 24-07-2023 00:00:00.000 ### Display end: 31-07-2023 00:00:00.000

Date	24/7/2023	25/7/2023	26/7/2023	27/7/2023	28/7/2023	29/7/2023	30/7/2023
<b>SMOS Sequences</b>							
Disable_Cyclic_Funct ion_SEQ			◆	◆			
Enable_Cyclic_Funct ion_SEQ			◆	◆			
External_Calibration _NIR_Full_OBOP_SEQ			█				
Int_LO_Phase_Cal_N oise_FULL_EXT_SEQ			█				
Int_LO_Phase_Cal_N oise_FULL_NotEXT_ Q							
PMS_Offset_Calibrati on_Full_SEQ							
SBand_Visibility_SEQ							
Update_Cyclic_LO_Pt Cal_NoU_Full_EXT_S			◆				
Update_Cyclic_LO_Pt Cal_NoU_Full_NotEX SEQ			◆				
XB_Cmd_Downlink_S b_SEQ							
XB_Cmd_Downlink_V pa_SEQ							



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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	2023.210.08.46.11	23453EC

### 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.