1 General Comments

Activities scheduled for this week are those planned for the 44th calendar week of 2023:

30 OCT 2023 to 06 NOV 2023 (DoYs 303 to 310).

The following routine activities were planned this week (see Gantt chart on next page and CRF nº 1158).

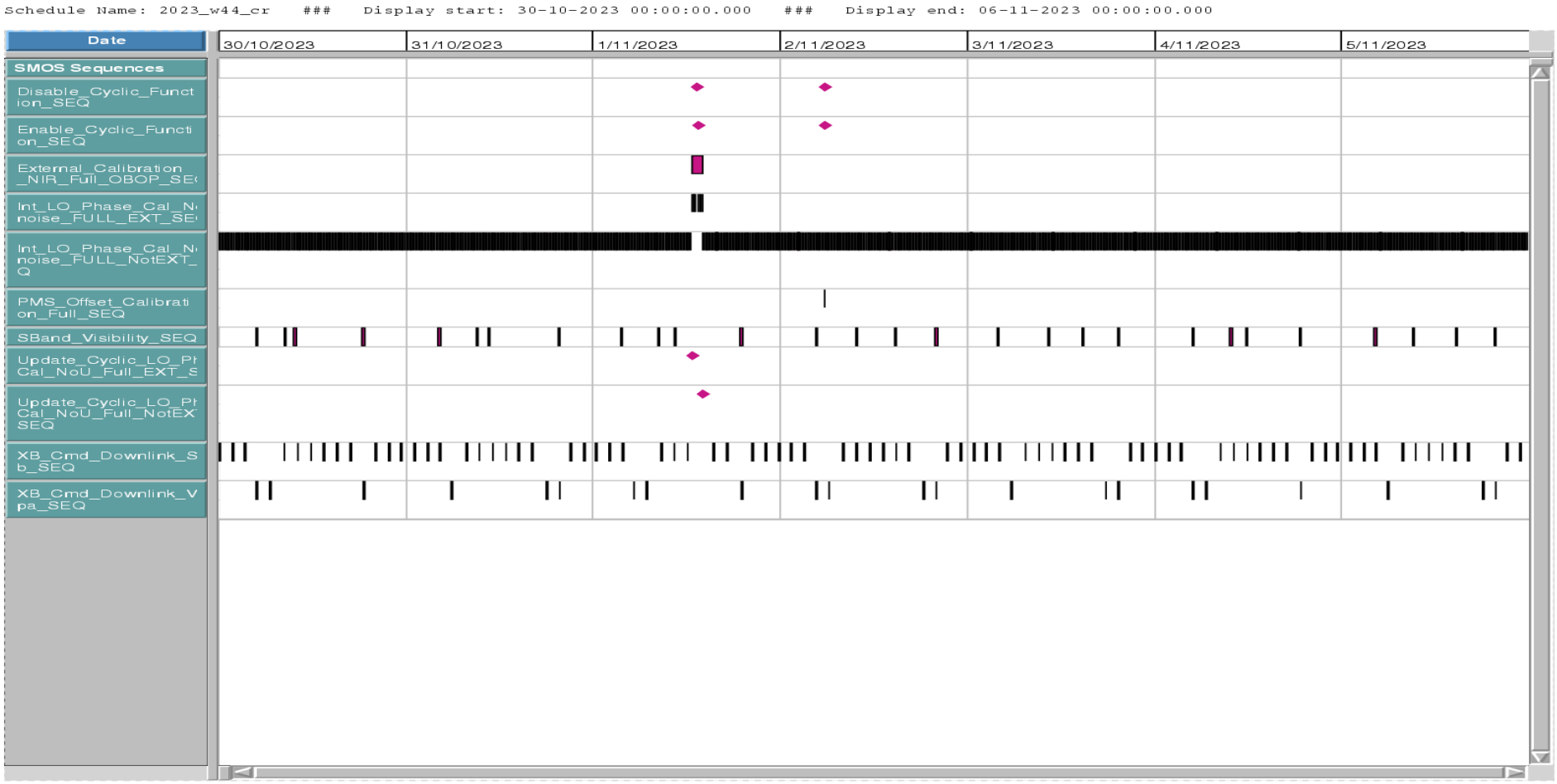
- One Warm NIR Calibration on 01 NOV 2023 (DoY 305) with ETO 13:20:16z (orbit 73564; ASCENDING: thermally STABLE) and with the following expected calibration values:

```
B.T.            =     3.81°
R.M.S.          =     0.64
Sun elevation   =     9.58°
Moon elevation  =    26.50°
R.A.            =   131.99°
DEC.            =   -13.38°
```

- One PMS Offset on 02 NOV 2023 (DoY 306), including three Short Calibrations at 05:38:00.0z, 05:38:34.8z, and 05:39:09.6z (orbit 73574).
- Local Oscillator Calibrations every 10 minutes.
- *X* band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.


Schedule Name: 2023_w44_cr ### Display start: 30-10-2023 00:00:00.000 ### Display end: 06-11-2023 00:00:00.000
Date
30/10/2023
31/10/2023
1/11/2023
2/11/2023
3/11/2023
4/11/2023
5/11/2023
SMOS Sequences
Disable_Cyclic_Function_SEQ
Enable_Cyclic_Function_SEQ
External_Calibration_NIR_Full_OBOP_SE
Int_LO_Phase_Cal_N noise_FULL_EXT_SE
Int_LO_Phase_Cal_N noise_FULL_NotEXT_Q
PMS_Offset_Calibration_Full_SEQ
SBand_Visibility_SEQ
Update_Cyclic_LO_Ph Cal_NoU_Full_EXT_S
Update_Cyclic_LO_Ph Cal_NoU_Full_NotEX SEQ
XB_Cmd_Downlink_Sb_SEQ
XB_Cmd_Downlink_Vpa_SEQ

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	2023.303.22.13.10,951	21486B0
RAM Single Bit Error	730	WARNING	2023.307.22.51.57,951	205D9A8

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

- **Thermal control in hub H2:**

Consequence of MIRAS H2 hub thermal degradation, and because of the seasonal Sun elevation over the antenna plane, CMN H2 duty cycle ceased activation 01 NOV 2023 at 13:40:23z. For reference, in 2022 CMN H2 duty cycle did not stop. Active monitoring is ongoing.