1 General Comments

Activities scheduled for this week are those planned for the 03rd calendar week of 2023:

16 JAN 2023 to 23 JAN 2023 (DoYs 016 to 023).

The following routine activities were planned this week (see Gantt chart on next page and CRF 1096).

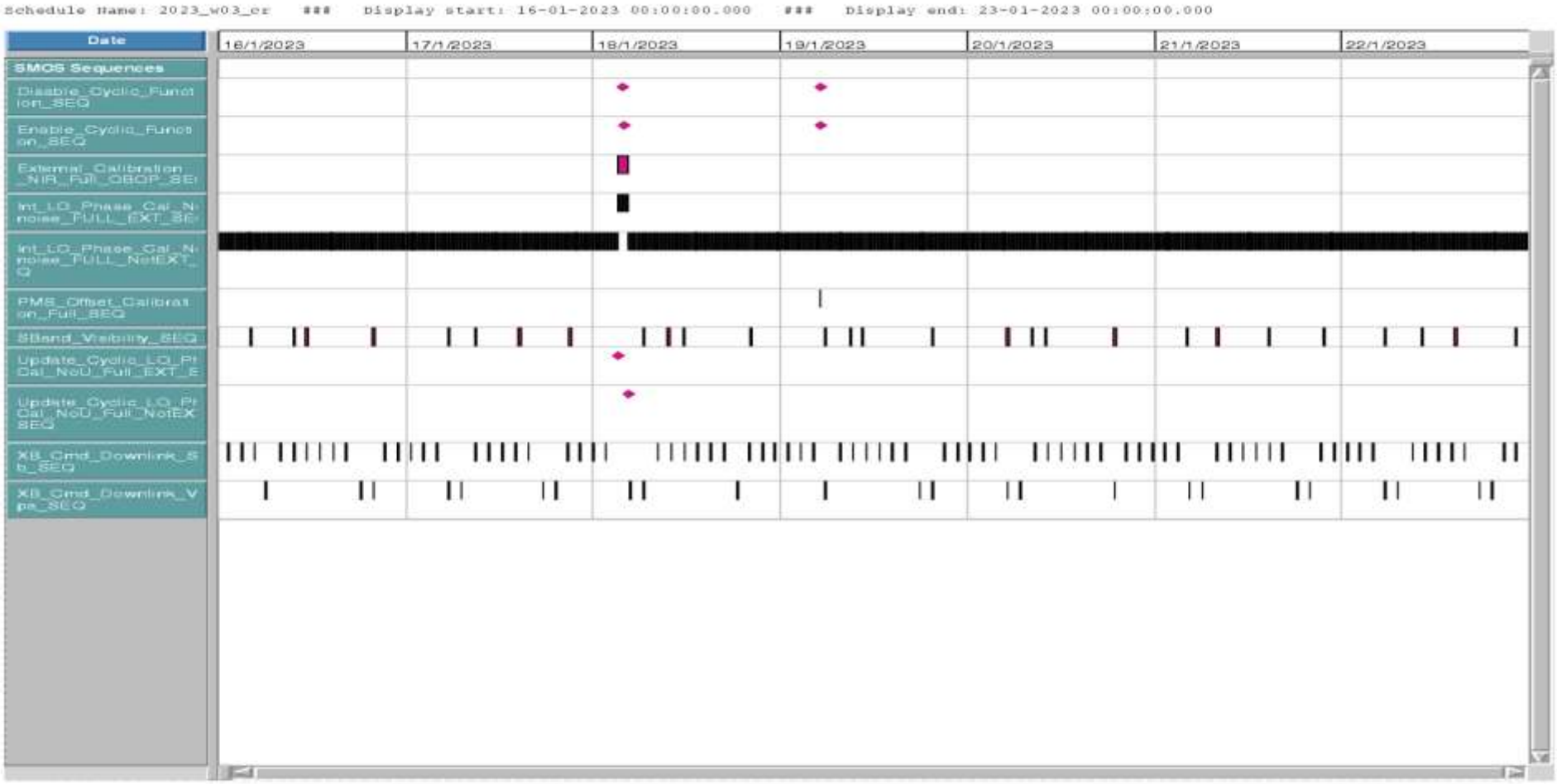
- One Warm NIR Calibration on 18 JAN 2023 (DoY 018) with ETO 03:50:00z (orbit 69429; DESCENDING: thermally UNSTABLE) and with the following expected calibration values:

```
B.T.            =     3.65°
R.M.S.          =     0.07
Sun elevation   =     9.57°
Moon elevation  =   -36.73°
R.A.            =    24.34°
DEC.            =   -15.71°
```

- One PMS Offset on 19 JAN 2023 (DoY 019), including three Short Calibrations at 05:10:00.0z, 05:10:34.8z, and 05:11:09.6z (orbit 69444).
- Local Oscillator Calibrations every 10 minutes.
- *X* band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.


Schedule Name: 2023_w03_cr ### Display start: 16-01-2023 00:00:00.000 ### Display end: 23-01-2023 00:00:00.000
Date
16/1/2023
17/1/2023
18/1/2023
19/1/2023
20/1/2023
21/1/2023
22/1/2023
SMOS Sequences
Disable_Cyclic_Funct ion_SEQ
Enable_Cyclic_Funct on_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_Calibrat on_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_S b_SEQ
XB_Cmd_Downlink_V pa_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	2023.021.22.04.04	238A5F4

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 exceptions:

- *S* band GS pass:

```
STATION    PASS    AoS                    LoS
-----------------------------------------------------
IVK        17      2023.020.08.36.58    2023.020.08.49.44 ,
```

was delivered late to FOS (only E/PROTEUS HKTM) because of an issue with the station link, with no impact on the PLPC systems. The TCO function did not require a cold restart as the late delivery affected only uncorrelated data. PXMF was not used.

8 *X* Band Data Reception in PXMF

None, all *S* band passes successfully received and processed.

9 Exceptional Activities

None.

10 AOB

None.