1 General Comments

Activities scheduled for this week are those planned for the 29th calendar week of 2017:

17 JUL 2017 to 24 JUN 2017 (DOYs 198 to 205).

The following routine activities were planned this week (see Gantt chart on next page and CRF 673):

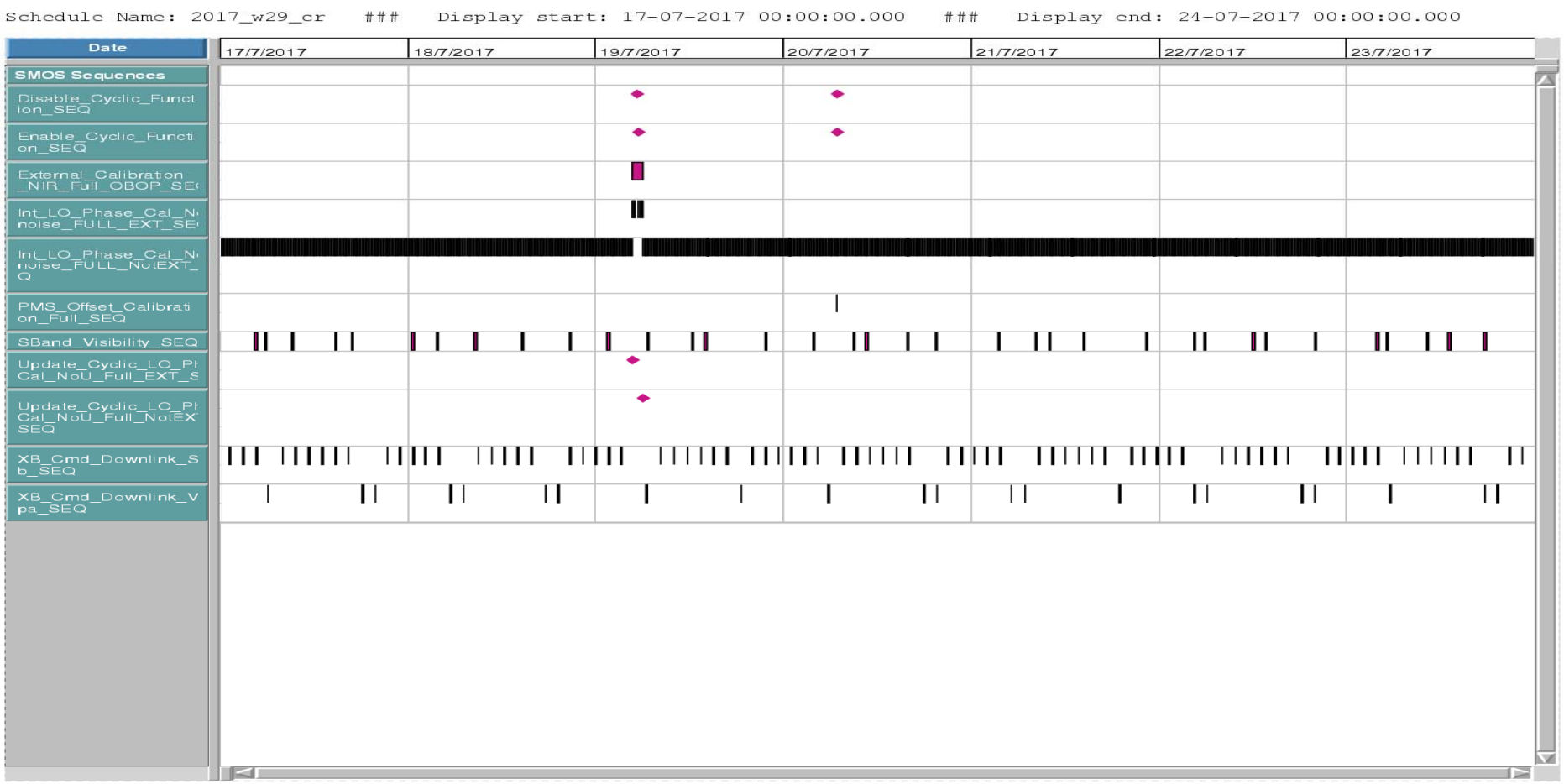
- One Warm NIR Calibration on 19 JUL 2017 (DOY 200) with ETO 05:18:41z (orbit 40522) and with the following expected calibration values:

```
B.T.              =   3.6363º
R.M.S.            =   0.1987
Sun Elevation     =   8.0030º
Moon elevation    = -36.7229º
R.A.              = 213.06º
DEC.              =  34.40º
```

- One PMS Offset on 20 JUL 2017 (DOY 201), including three Short Calibrations at 06:52:30.0z, 06:53:04.8z, and 06:53:39.6z (orbit 40537).
- Local Oscillator Calibrations every 10 minutes.
- *X* band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.


Schedule Name: 2017_w29_cr ### Display start: 17-07-2017 00:00:00.000 ### Display end: 24-07-2017 00:00:00.000
Date
17/7/2017
18/7/2017
19/7/2017
20/7/2017
21/7/2017
22/7/2017
23/7/2017
SMOS Sequences
Disable_Cyclic_Function_SEQ
Enable_Cyclic_Function_SEQ
External_Calibration_NIR_Full_OBOP_SE
Int_LO_Phase_Cal_Noise_FULL_EXT_SE
Int_LO_Phase_Cal_Noise_FULL_NotEXT_Q
PMS_Offset_Calibration_Full_SEQ
SBand_Visibility_SEQ
Update_Cyclic_LO_PhCal_NoU_Full_EXT_S
Update_Cyclic_LO_PhCal_NoU_Full_NotEXSEQ
XB_Cmd_Downlink_Sb_SEQ
XB_Cmd_Downlink_Vpa_SEQ

3 TC Failures

None.

4 Unforeseen Out of Limits (OOLs)

None.

5 On Board Anomalies

None.

6 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	2017-07-19T22:18:00	23B6A00
RAM single Bit Error	730	WARN	2017-07-19T10:55:35	2048E0C

7 FOS Systems Status

All FOS systems nominal with exception of:

- On the 18th of July CNES reported that the FOS ISDN line used as backup communication line between ESAC and CNES was down. As result of that, FOS manager contacted *Telefonica* helpdesk support and the corresponding complaint ticket then raised. That ticket was closed the following day, 19th of July, without any notification and not solving the real issue. Another complaint was raised on that day to *Telefonica* and as result of that a first group of two technicians came on site during that morning. The problem was identified in a faulty cupper pair, number 82, and substituted with a new one, pair 100, that was reconnected from ESAC room A-32 to the external *Telefonica* switchboard at Villanueva del Pardillo. Following that, further reconfiguration of the ISDN box was then required and for that another technician came to ESAC in the afternoon of the 19th of July. This reconfiguration did not solve the problem and the problem was again identified in a possible wrong connection of the new cupper pair 100. To solve that problem, the technician that came on the 19th of July also came on the 20th of July verifying that the connectivity of new pair 100 was correct. Another complaint call was raised by the FOS manager in the morning of the 21st of July and another technician came to ESAC in the afternoon of that day. Several life tests with CNES were at that time performed and the problem identified on the HISSEN router connected to the ISDN TX box. That router is managed by *Interoute* from ESRIN and the support for that company was

contacted in the afternoon of the 21st of July. On the 24th of July the ISDN link with CNES is still down and *Interoute* company is conducting some tests with CNES in order to verify the origin of the anomaly.

8 Data Reception from CNES

All *S* band passes were correctly received from CNES and successfully processed by the FOS PLPC system.

9 *X* Band Data Reception in PXMF

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

10 Exceptional Activities

None.

11 AOB

None.

APPENDIX A: OOLs

None.