



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 04, year 2018

from 22 JAN 2018 to 29 JAN 2018

1.0

1 General Comments

Activities scheduled for this week are those planned for the 4th calendar week of 2018:

22 JAN 2018 to 29 JAN 2018 (DOYs 022 to 029).

The following routine activities were planned this week (see Gantt chart on next page and CRF 712).

- One Warm NIR Calibration on 24 JAN 2018 (DOY 024) with ETO 02:55:09z (orbit 43240) and with the following expected calibration values:

B.T.	=	3.66°
R.M.S.	=	0.08
Sun elevation	=	9.01°
Moon elevation	=	69.54°
R.A.	=	31.32°
DEC.	=	-13.92°
- One PMS Offset on 25 JAN 2018 (DOY 025), including three Short Calibrations at 07:35:30.0z, 07:36:04.8z, and 07:36:39.6z (orbit 43257).
- Local Oscillator Calibrations every 10 minutes.

2 Mission Planning Deviations

None.



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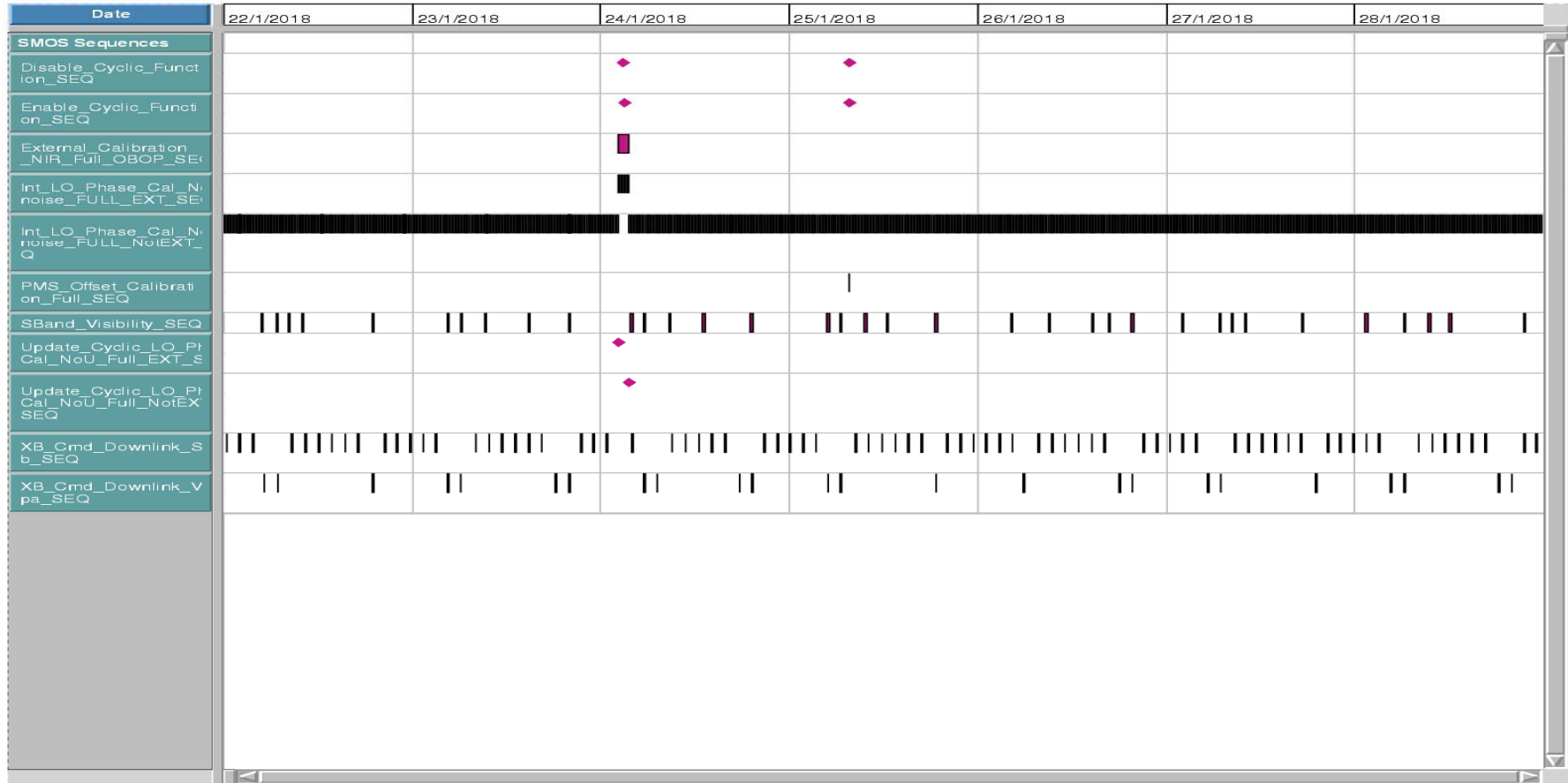
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Schedule Name: 2018_w04_cr ### Display start: 22-01-2018 00:00:00.000 ### Display end: 29-01-2018 00:00:00.000





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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	WARN	2018-01-28T19:56	23592C0
RAM single Bit Error	730	WARN	2018-01-27T23:10	208F38C
RAM single Bit Error	730	WARN	2018-01-27T11:40	20E2788
RAM single Bit Error	730	WARN	2018-01-26T05:49	2367798
RAM single Bit Error	730	WARN	2018-01-25T19:42	2291958
RAM single Bit Error	730	WARN	2018-01-24T01:24	2369438

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 exception:

- On the 25th of January and during the processing of S-Band pass AUS-29, (AOS=18:33:31z, LOS=18:48:09z), the FOS PLPC system issued the following error message:

```
2018.025.19.04.51.173 SYSTEMFound invalid data in file:
[/home/plpcops/TMG/PUS_HKTM/inTray/SMO_PLTM1_P_2018_01_25_18_3
1_01]
```

that error message was followed by a bunch of error messages discarding bytes from the affected file indicating that part of the TM input file was not correct. As consequence of that some TM data was discarded and it was not processed by PLPC system. On top of this anomaly, an unexpected telemetry file with wrong name, SMO_PLTM2_P_2018_01_25_18_31_01, was received for that pass. That type of PLTM2 file is not recognize by the PLPC system and it is not compliant with the SOGS-PLPC ICD, due to that, the file was ignored and not processed by PLPC. The



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reason for this anomaly has been clarified by CNES and it was due to a jamming of files at Aussaguel station between Jason-2 and SMOS Telemetry files.

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 issued this week by the FOS PLPC system.