



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 22, year 2019

from 27 MAY 2019 to 03 JUN 2019

1.0

1 Gneral Comments

Activities scheduled for this week are those planned for the 22nd calendar week of 2019:

27 MAY 2019 to 03 JUN 2019 (DOYs 147 to 154).

The following routine activities were planned this week (see Gantt chart on next page and CRF 812).

- One PMS Offset on 30 MAY 2019 (DOY 150), including three Short Calibrations at 06:22:00.0z, 06:22:34.8z, and 06:23:09.6z (orbit 50307).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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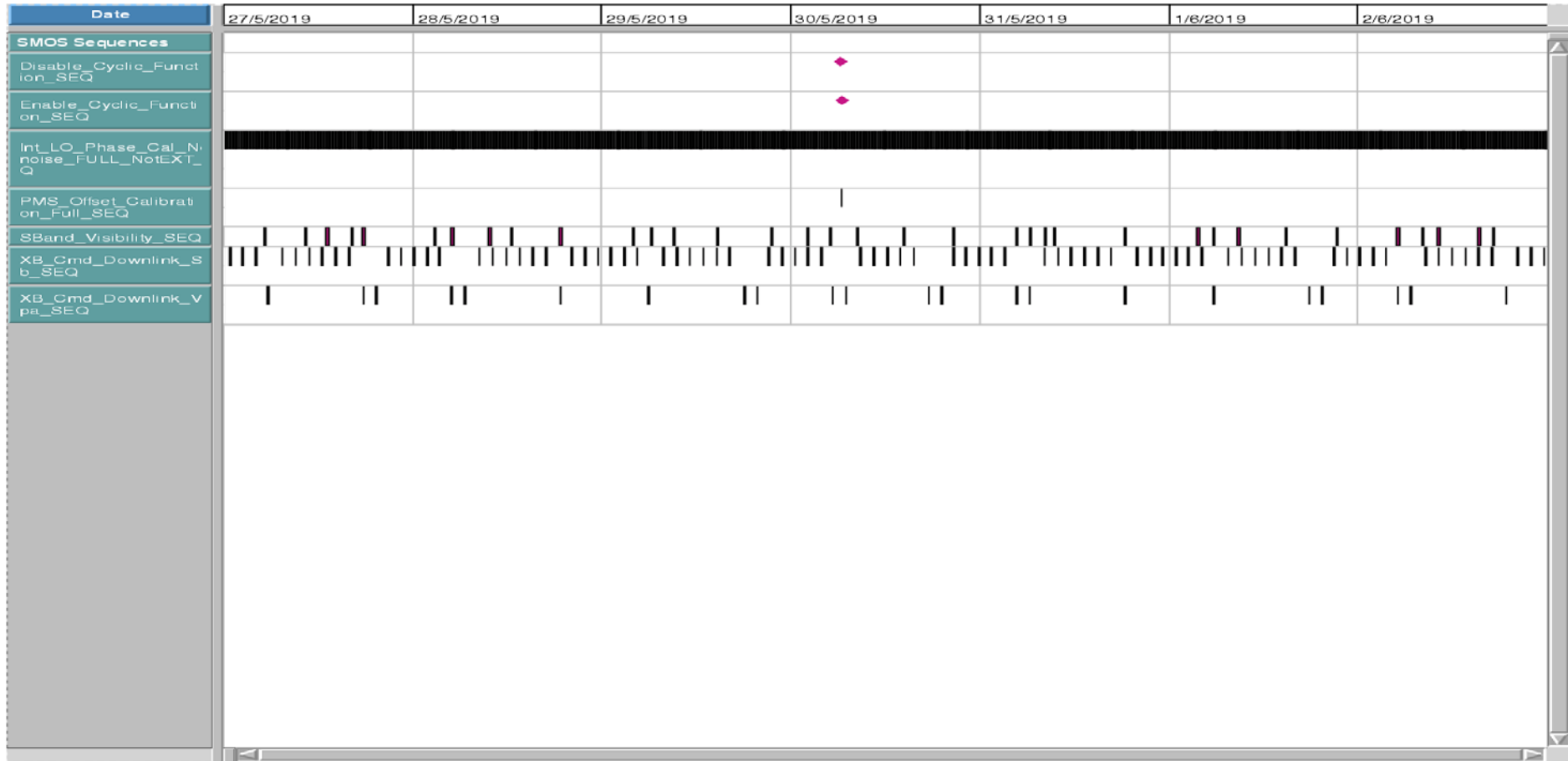
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Schedule Name: 2019_w22_cr ### Display start: 27-05-2019 00:00:00.000 ### Display end: 03-06-2019 00:00:00.000





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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	2019-05-30T19:24:05	2149C70
RAM single Bit Error	730	WARN	2019-05-28T10:21:25	23C80E4

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:

- Due to a problem at Ground Station level, TM files for SBand pass KUX-39 (AOS=2019-05-29T21:29:35z) were received with the following PUS TM gap:

From 2019-05-29T19:14:28z to 2019-05-29T21:31:09z

The MIRAS PUS TM gap was filled from the XBand side.

- Due to a problem at Ground Station level, TM files for SBand pass HBX-29 (AOS=2019-05-29T03:53:26z) were received with the following PUS TM gaps:

<i>from 2019-05-29T00:44:25z</i>	<i>to 2019-05-29T00:44:31z</i>
<i>from 2019-05-29T00:44:33z</i>	<i>to 2019-05-29T00:44:37z</i>
<i>from 2019-05-29T00:44:38z</i>	<i>to 2019-05-29T00:45:57z</i>
<i>from 2019-05-29T00:46:00z</i>	<i>to 2019-05-29T00:46:09z</i>
<i>from 2019-05-29T00:46:09z</i>	<i>to 2019-05-29T00:48:16z</i>
<i>from 2019-05-29T01:03:04z</i>	<i>to 2019-05-29T01:03:08z</i>
<i>from 2019-05-29T01:03:33z</i>	<i>to 2019-05-29T01:03:37z</i>
<i>from 2019-05-29T01:03:40z</i>	<i>to 2019-05-29T01:03:44z</i>



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from 2019-05-29T01:03:44z

to 2019-05-29T01:03:49z

from 2019-05-29T02:45:15z

to 2019-05-29T02:45:19z

All these gaps for MIRAS PUS TM, were filled from the XBand side.

- Because of an issue with the receiving station, S band GS pass STC-11 (AOS = 2019-05-27T17:37:07z; LOS = 2019-05-27T17:51:19z) could not be acquired. The gap went:

from 2019-05-27T16:17:19z to 2019-05-27T17:38:48z.

To achieve completion MIRAS PUS TM was recovered from the X band PXMF system and ingested into the MUST-SMTA system on 28 MAY 2019. The corresponding EHK-TM was lost:

from 2019-05-27T16:17:18z to 2019-05-27T17:38:55z.

8 X Band Data Reception in PXMF

Due to all the S-Band station problems reported in section 7 of this report, the FOS X-Band system PXMF, was extensively used to fill all the required MIRAS PUS TM gaps on the SMOS MUST archive.

9 Exceptional Activities

None.

10 AOB

None.

APPENDIX A: OOLs

No relevant Out of Limits were received this week.