



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 24, year 2017

from 12 JUN 2017 to 19 JUN 2017

1.0

1 General Comments

Activities scheduled for this week are those planned for the 24th calendar week of 2017:

12 JUN 2017 to 19 JUN 2017 (DOYs 163 to 170).

The following routine activities were planned this week (see Gantt chart on next page and CRF 664):

- One PMS Offset on 15 JUN 2017 (DOY 166), including three Short Calibrations at 07:55:00,0z, 07:55:34,8z, and 07:56:09,6z (orbit 40034).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.
- A new Orbit Correction Manoeuvre (OCM) was scheduled by CNES on the 14th of June at 22:42:14z. The affected time period for the manoeuvre went from 2017-06-14T22:23:38z to 2017-06-14T23:00:51z. Science data for that period was flagged as usual with an external APID.

2 Mission Planning Deviations

None.



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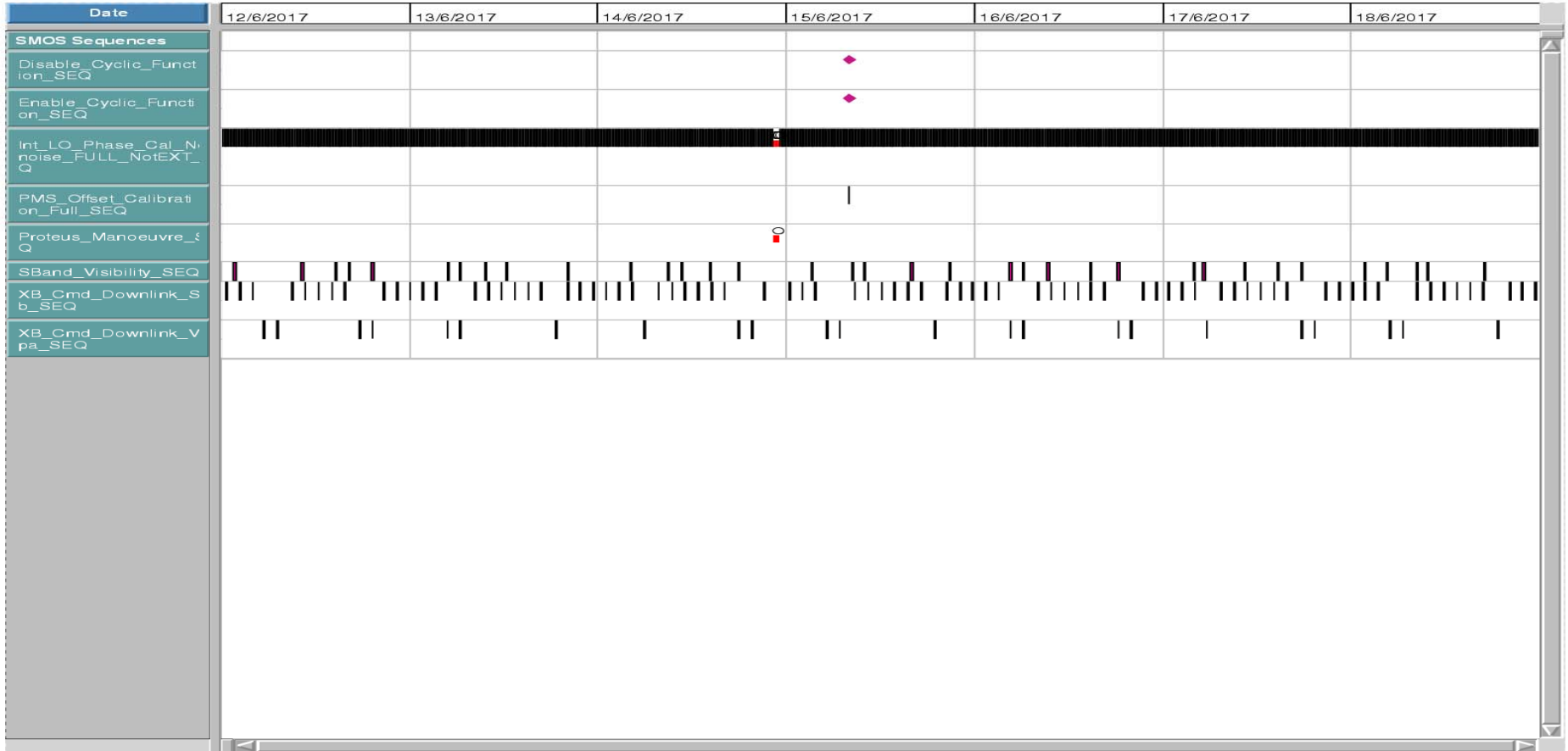
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Schedule Name: 2017_w24_cr ### Display start: 12-06-2017 00:00:00.000 ### Display end: 19-06-2017 00:00:00.000





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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	2017-06-12T11:53:09	21FD624
RAM single Bit Error	730	WARN	2017-06-16T23:25:26	21FD624
RAM single Bit Error	730	WARN	2017-06-18T19:13:34	21FD624

7 FOS Systems Status

All FOS systems nominal.

8 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:

- Due to a power-supply outage during Sband GS pass KUX-21 (AOS = 2017-06-17T10:18:16z; LOS = 2017-06-17T10:32:36z), MIRAS PUS TM from 2017-06-17T05:11:28.206z to 2017-06-17T08:15:53.576z got lost. In order to fill this MIRAS PUS Telemetry gap, XBand telemetry has to be retrieved and processed on the PXMf system. (Execution of procedure FCP-GRD-030). This anomaly caused a gap on E_HKTM telemetry from 2017-06-17T05:11:04z to 2017-06-17T08:04:56z

9 X Band Data Reception in PXMf

PXMf system was used to fill the MIRAS PUS Telemetry gap reported in section 8.

10 Exceptional Activities

None.



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11 AOB

None.



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APPENDIX A: OOLs

At the time of the Orbit Correction manoeuvre and when the MIRAS ITL was made disabled, the following OOL was issued by the FOS PLPC system.

GS_TIME	OBTIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2017-06-15T03:51:28	2017-06-14T22:28:29	NTLHK022	ITL Ena State	Disabled	Enabled