# SMOS R

## **Operations Notes**

FOS Team @ ESAC Reported by:

Topic: Date: Issue: FOS Report for week 39 year 2017

from 25 SEP 2017 to 02 OCT 2017

1.0

J. Fauste/J.M. Castro Cerón

#### 1 General Comments

Activities scheduled for this week are those planned for the 39<sup>th</sup> calendar week of 2017:

```
25 SEP 2017 to 02 OCT 2017 (DOYs 268 to 275).
```

The following routine activities were planned this week (see Gantt chart on next page and CRF 688):

• One Warm NIR Calibration on 27 SEP 2017 (DOY 270) with ETO 13:58:12z (orbit 41534) and with the following expected calibration values:

B.T.  $= 4.02^{\circ}$ R.M.S. = 0.83Sun Elevation  $= 9.99^{\circ}$ Moon elevation  $= -14.02^{\circ}$ R.A.  $= 109.15^{\circ}$ DEC.  $= -55.41^{\circ}$ 

- One PMS Offset on 28 SEP 2017 (DOY 271), including three Short Calibrations at 08:07:30.0z, 08:08:04.8z, and 08:08:39.6z (orbit 41545).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

# 2 Mission Planning Deviations

None.

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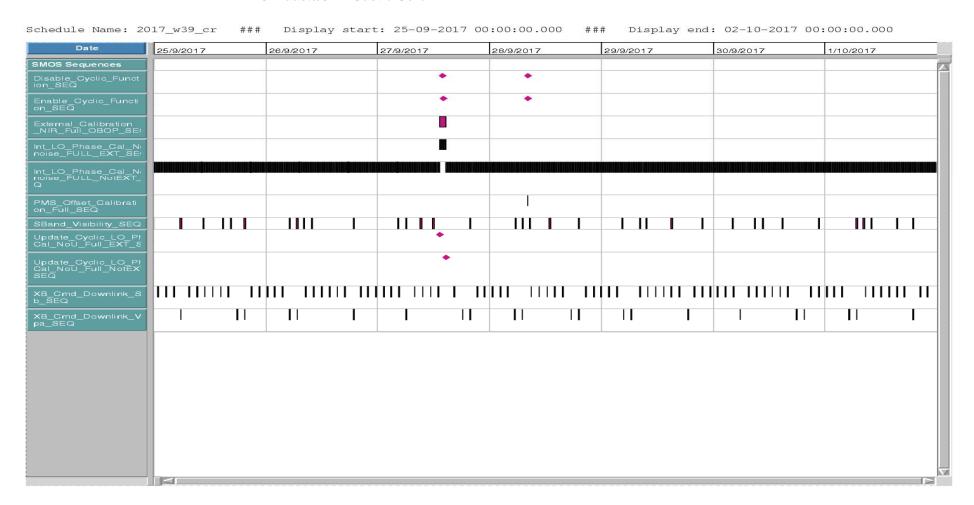
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#### 3 TC Failures

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	2017-09-29T23:41:27	22435F4
RAM single Bit Error	730	WARN	2017-09-29T20:29:05	23A8B6C
RAM single Bit Error	730	WARN	2017-09-26T22:18:44	231C194

Topic:

Date:

Issue:

## 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.

## 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.