

J. Fauste/J.M. Castro Cerón

#### **1** General Comments

Activities scheduled for this week are those planned for the  $22^{nd}$  calendar week of 2020:

25 MAY 2020 to 01 JUN 2020 (DOYs 146 to 153).

The following routine activities were planned this week (see Gantt chart on next page and CRF 885).

• One Warm NIR Calibration on 27 MAY 2020 (DOY 148) with ETO 05:19:45z (orbit 55530; DESCENDING: thermally UNSTABLE) and with the following expected calibration values:

В.Т.	=	3.49°
R.M.S.	=	0.09
Sun elevation	=	6.00°
Moon elevation	=	53.97°
R.A.	=	159.88°
DEC.	=	32.16°

- One PMS Offset on 28 MAY 2020 (DOY 149), including three Short Calibrations at 06:53:00.0z, 06:53:34.8z, and 06:54:09.6z (orbit 55545).
- Local Oscillator Calibrations every 10 minutes.
- *X* band Passes over ESAC and Svalbard.

#### 2 Mission Planning Deviations

None.

SMOS	Operations Notes	Topic:	FOS Report for week 22, year 2020
	FOS Team @ ESAC	Date:	from 25 MAY 2020 to 01 JUN 2020
	Reported by:	Issue:	1.0
	J. Fauste/J.M. Castro Cerón		

Schedule Name: 2020\_w22\_cr ### Display start: 25-05-2020 00:00:00.000 ### Display end: 01-06-2020 00:00:00.000

Date	25/5/2020	26/5/2020	27/5/2020	28/5/2020	29/5/2020	30/5/2020	31/5/2020
SMOS Sequences							
Disable_Cyclic_Funct ion_SEQ			*				
Enable_Cyclic_Functi on_SEQ			•				
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PMS_Offset_Calibrati on_Full_SEQ				l			
SBand_Visibility_SEQ							
Update_Cyclic_LO_PI Cal_NoU_Full_EXT_5							
Update_Cyclic_LO_PI Cal_NoU_Full_NotEX SEQ			*				
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XB_Cmd_Downlink_V pa_SEQ	1 11	11 11	1 1	1 11	11 1	11 11	I II



Topic: Date:

Issue:

### 3 TC Failures

None.

#### 4 On Board Anomalies

None.

#### 5 On Board Events Telemetry

The following RAM Single Bit errors befell this week:

<b>Event Description</b>	Packet ID	Severity	Event Time	Parameters
RAM single Bit Error	730	WARN	2020-05-31T10:19:37	23B2D30

## 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.

## 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 received during this reporting period.