

**1** General Comments

Activities scheduled for this week are those planned for the  $32^{nd}$  calendar week of 2020:

03 AUG 2020 to 10 AUG 2020 (DOYs 216 to 223).

The following routine activities were planned this week (see Gantt chart on next page and CRF 904).

• One Warm NIR Calibration on 05 AUG 2020 (DOY 218) with ETO 04:55:30z (orbit 56537; DESCENDING: thermally UNSTABLE) and with the following expected calibration values:

В.Т.	=	3.84°
R.M.S.	=	0.29
Sun elevation	=	5.10°
Moon elevation	=	-21.85°
R.A.	=	228.55°
DEC.	=	29.42°

- One PMS Offset on 06 AUG 2020 (DoY 219), including three Short Calibrations at 06:28:00.0z, 06:28:34.8z, and 06:29:09.6z (orbit 56552).
- 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 32, year 2020
	FOS Team @ ESAC	Date:	from 03 AUG 2020 to 10 AUG 2020
	Reported by:	Issue:	1.0
	J. Fauste/J.M. Castro Cerón		

Schedule Name: 2020\_w32\_cr ### Display start: 03-08-2020 00:00:00.000 ### Display end: 10-08-2020 00:00:00.000

Date	3/8/2020	4/8/2020	5/8/2020	6/8/2020	7/8/2020	8/8/2020	9/8/2020
SMOS Sequences							
Disable_Cyclic_Funct ion_SEQ							
Enable_Cyclic_Functi on_SEQ				•			
External_Calibration _NIR_Full_OBOP_SE(							
Int_LO_Phase_Cal_N noise_FULL_EXT_SE			Ш				
int_LO_Phase_Cal_N noise_FULL_NotEXT_ Q	na na mana ing kanang kana Kanang kanang	n an an an air an an an an Ann an an Ann an an Ann an A An Ann an Ann	annai - Canadana ann ann ann	IE MANARAN BANAN PANARAN INA ANA ANA ANA ANA ANA ANA ANA ANA A	ýn menan na kýdina orna nýdi	na a mana ga na ana ang mana a	nên te kirên di kirdî kurdî kirdî kirdî di di bir di bi Li bir di bir
PMS_Offset_Calibrati on_Full_SEQ				I			
SBand_Visibility_SEQ							
Update_Cyclic_LO_PI Cal_NoU_Full_EXT_S			•			2.2 2.2 2.2 2.2 2.1 2.1 2.1 2.2 2.2 2.2	
Update_Cyclic_LO_PI Cal_NoU_Full_NotEX SEQ			*				
XB_Cmd_Downlink_S b_SEQ	пппп	та пота п	ш шшп п	m um n	<u>m mm m</u>	пппп п	п ппп п
XB_Cmd_Downlink_V pa_SEQ	1 11	11 1	1 11	11 11	11 1	1 11	11 1

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Operations Notes FOS Team @ ESAC Reported by: J. Fauste/J.M. Castro Cerón

## 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	2020-08-07T08:12:02	2209A08
RAM single Bit Error	730	WARN	2020-08-05T10:54:07	20B9FDC
RAM single Bit Error	730	WARN	2020-08-04T21:48:43	21C3254
RAM single Bit Error	730	WARN	2020-08-03T20:54:10	2273AC8

Topic:

Date:

Issue:

## 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:

• Short MIRAS PUS TM gap for HBX-5 pass with AOS=2020-08-08T03:43:14z. The gap, just 40 TM packets, went from 2020-08-07T22:38:28.870z to 2020-08-07T22:38:52.870z. CNES also noticed a gap on E-HKTM from 22:55:48 to 22:56:44, PUS TM data will be filled from X-Band side.

## 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 this week.

FOS Report for week 32, year 2020 from 03 AUG 2020 to 10 AUG 2020 1.0

SMOS
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Topic: Date: Issue:

FOS Report for week 32, year 2020 from 03 AUG 2020 to 10 AUG 2020

**1.0** 

J. Fauste/J.M. Castro Cerón