

1 General Comments

Activities scheduled for this week are those planned for the 38^{th} calendar week of 2018:

17 SEP 2018 to 24 SEP 2018 (DOYs 260 to 267).

The following routine activities were planned this week (see Gantt chart on next page and CRF 765).

• One Warm NIR Calibration on 19 SEP 2018 (DOY 262) with ETO 17:17:22z (orbit 46673; ASCENDING: thermally STABLE) and with the following expected calibration values:

В.Т.	=	4.12°
R.M.S.	=	0.98
Sun elevation	=	7.38°
Moon elevation	=	0.09°
R.A.	=	114.04°
DEC.	=	-70.7°

- One PMS Offset on 20 SEP 2018 (DOY 263), including three Short Calibrations at 06:31:00.0z, 06:31:34.8z, and 06:32:09.6z (orbit 46681).
- 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 38, year 2018
	FOS Team @ ESAC	Date:	from 17 SEP 2018 to 24 SEP 2018
	Reported by:	Issue:	1.0
	J. Fauste/J.M. Castro Cerón		

Schedule Name: 2018_w38_cr ### Display start: 17-09-2018 00:00:00.000 ### Display end: 24-09-2018 00:00:00.000

Date	17/9/2018	18/9/2018	19/9/2018	20/9/2018	21/9/2018	22/9/2018	23/9/2018
SMOS Sequences							
Disable_Cyclic_Funct ion_SEQ							
Enable_Cyclic_Functi on_SEQ				•			
External_Calibration _NIR_Full_OBOP_SE(
Int_LO_Phase_Cal_Ni noise_FULL_EXT_SE			I				
Int_LO_Phase_Cal_N noise_FULL_NotEXT_ Q							
PMS_Offset_Calibrati on_Full_SEQ				1			
SBand_Visibility_SEQ							
Update_Cyclic_LO_PI Cal_NoU_Full_EXT_S			•				
Update_Cyclic_LO_PI Cal_NoU_Full_NotEX SEQ			1.				
XB_Cmd_Downlink_S b_SEQ	пі шпі п	\mathbf{m} \mathbf{m} \mathbf{m}	n nnn n	<u>111 1111 11</u>	ш шш п	m um r	пп ппп п
XB_Cmd_Downlink_V pa_SEQ	1 11	11 1	пп	пп	11 I	1 11	<u> </u>



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:

Event Description	Packet ID	Severity	Event Time	Parameters
RAM single Bit Error	730	WARN	2018-09-20T21:48:43	22E53E0

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 this operational week.