

Topic: Date:

Issue:

J. Fauste/J.M. Castro Cerón

#### **1** General Comments

Activities scheduled for this week are those planned for the  $50^{\rm th}$  calendar week of 2020:

07 DEC 2020 to 14 DEC 2020 (DoYs 342 to 349).

The following routine activities were planned this week (see Gantt chart on next page and CRF 933).

• One Warm NIR Calibration on 09 DEC 2020 (DoY 344) with ETO 17:25:18z (orbit 58357; ASCENDING: thermally STABLE) and with the following expected calibration values:

Β.Τ.	=	3.80°
R.M.S.	=	0.24
Sun elevation	=	9.97°
Moon elevation	=	64.27°
R.A.	=	170.69°
DEC.	=	-15.02°

- Two LONG Calibrations on 10 DEC 2020 (DoY 345), which encompassed two ascending semi-orbital periods starting at 14:30:00z (orbit 58370) and 16:12:30z (orbit 58371).
- Local Oscillator Calibrations every 10 minutes.
- *X* band Passes over ESAC and Svalbard.

#### 2 Mission Planning Deviations

None.

IN SMOS	Operations Notes	Topic:	FOS Report for week 50, year 2020
	FOS Team @ ESAC	Date:	from 07 DEC 2020 to 14 DEC 2020
	Reported by:	Issue:	1.0
	J. Fauste/J.M. Castro Cerón		

Schedule Hame: 2020\_w50\_cr ### Display start: 0,7-12-2020 00:00:00.000 ### Display end: 14-12-2020 00:00:00.000

Date	7/12/2020	8/12/2020	9/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020	
SMCS Sequences						ju com boot a com		
Disable_Oycile_Fund			•					
Enable_Cyclic_Funct on_SEC			•	**				
External Calibration								
ht_LD_Press_Cal_N noise_FULL_fiXT_Sfi								
ht_LO_Phase_Cal_N noise_FULL_NotEXT_ Q		ولما استناهم والتوامية والمتعاولة	and the state of the second state of the secon	near ( Manuschinger ) 1990	والمالة المراجع المراجع المراجع المراجع	<u> Andrewski staturu u s</u>	Kannen of An Annual Sona	
Long_Calibration_Ful _CBOF_8EQ								
Stland_Vielolity_6EG		1 1 1 1 1	11 11	1 1 11	1 11 1		т пп т	
Update_Cyclic_LD_Pt Dal_NoU_Puil_EXT_E								
Update Cyclic LO Pr Cal Not Ful NoteX								
XB_Cind_Downlink_S b_SEQ		IIIII IIIIII	mm mm		um mum	mm mm	IIIII IIIIII	П
XB_Cmd_Downlink_V pa_SEO	1 1	I	1 1 1	11 11	<u> </u>	1 1	1 11 1	I



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

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	WARNING	2020.347.23.11.25,924	2005AA4

## 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.