



1 General Comments

Activities scheduled for this week are those planned for the 26th calendar week of 2017:

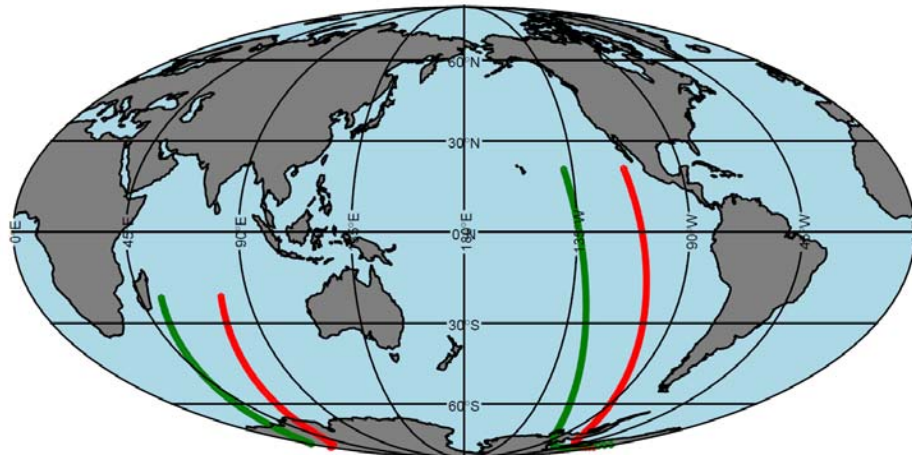
26 JUN 2017 to 03 JUL 2017 (DOYs 177 to 184).

The following routine activities were planned this week (see Gantt chart on next page and CRF 670:

- One Warm NIR Calibration on 28 JUNE 2017 (DOY 179) with ETO 03:57:05z (orbit 40219) and with the following expected calibration values:

B.T.	=	3.5176°
R.M.S.	=	0.1409
Sun Elevation	=	8.0103°
Moon elevation	=	49.485°
R.A.	=	191.52°
DEC.	=	30.79°

- Two LONG Calibrations on 28 JUNE 2017 (DOY 179), which encompassed two semi-orbital periods starting at 12:31:56.0z (orbit 40224) and 14:12:00.0z (orbit 40225). These two semi-orbits started over the Indian Ocean and finished over the Pacific Ocean.



- One Flat Target Calibration on 29 JUNE 2017 (DOY 180) with ETO 17:28:51z (orbit 40241) and with the following expected calibration values:

B.T.	=	3.6476°
R.M.S.	=	0.0542
Sun Elevation	=	-8.006°
Moon elevation	=	-59.4621°



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

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1.0

R.A. = 12.95°

DEC. = -30.22°

- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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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	2017-06-27T09:13:55	21288D8

7 FOS Systems Status

All FOS systems behaved nominally.

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

- **Upload of OBOP 24:**

A new version, version five, of OBOP 24 was uploaded to MIRAS instrument on the 27th of June 2017 at 17:12:00z (CRF-669). This new version was required to fix the onboard issue of two warning Telemetry packets (5,2), “OBOP Already Active” that caused the loss of some science data packets. This OBOP is only used twice a year as part of the Flat Target Calibrations performed around summer and winter solstices. The OBOP was delivered by AIRBUS to FOS on the 12th of May 2017 and then successfully validated using the FOS MIRASIM simulator. Following that validation process, the upload was performed just two days before the execution of the summer Flat Target calibration scheduled on the 29th of June at 17:28:51z. This FTR calibration was successfully executed matching the telemetry housekeeping results the ones seen on the MIRASIM simulator and



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AIRBUS Engineering model. Waiting for the formal validation from the Calibration team, the nominal CCU recovery procedure will be updated to include the upload and patch of this new OBOP version.

11 AOB

None.

APPENDIX A: OOLs

None.