



1 General Comments

The activities scheduled for this week are those planned for calendar week 14 of year 2015, from 30/03/2015 to 06/04/2015 (DOYs 089/2015 to 096/2015).

The following routine activities were planned during this week (see Gantt chart on next page):

- X-band passes over ESAC and Svalbard.
- One PMS offset including three Short Calibrations on day 02/04/2015 (orbit 28456) at 16:51:00.000z, 16:51:34.800z and 16:53:09.600.
- Local oscillator calibration every 10 minutes.
- On 02/04/15 a new routine SMOS Orbit Correction Manoeuvre was planned from 22:31z to 23:11z UTC. The MIRAS onboard timeline was disabled during the whole duration of the manoeuvre and the science instrument data flagged as "External data". The manoeuvre conflicted with one X-Band transmission over Svalbard at 22:37z

2 Mission Planning Deviation

No deviations from the nominal planning happened during this week.



Operations Notes

FOS Team @ ESAC

Reported by: J. Fauste

Topic:

Date:

Issue:

FOS Report for week 14
from the 30/03/15 to the 06/04/15

1.0

	APR-2015						
	Mon, 30-MAR-2015	Tue, 31-MAR-2015	Wed, 01-APR-2015	Thu, 02-APR-2015	Fri, 03-APR-2015	Sat, 04-APR-2015	Sun, 05-APR-2015
Int_LO_Phase_Cal_NoUnoise_FULL_NotEXT_SEQ	[Solid black bar]						
XB_Cmd_Downlink_Svalb_SEQ	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]
SBand_Visibility_SEQ	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]
XB_Cmd_Downlink_Vilspa_SEQ	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]	[Vertical bars]
Disable_Cyclic_Function_SEQ				[Diamond]			
PMS_Offset_Calibration_Full_SEQ				[Vertical line]			
Enable_Cyclic_Function_SEQ				[Diamond]			



3 TC Failures

None.

4 Unforeseen Out of Limits (OOLs)

(see Appendix-A for further details)

5 On Board Anomalies

The following payload anomalies happened during this reporting period:

- A new Mass Memory latch up of partition P06 happened on day 31/04/2015 at 19:30:37z. The anomaly took place over the South Atlantic Ocean at the following geographical coordinates:
Longitude= 334.66
Latitude= -18.55
The anomaly recovery took place on day 01/04/2015 at 19:00z via CRF 487.
- A Double Bit Memory Error on Mass Memory partition P4 happened on day 03/04/2015 at 21:31:41z. No impact on science data.

6 Telemetry On Board Events in the period.

The following RAM single bit errors happened during the present reporting period:

Event Description	Severity	Event Time	Parameters
RAM Single Bit Error	WARN	2015.089.23.36.22.904	2350FDC
RAM Single Bit Error	WARN	2015.092.12.11.05.478	20A0DA0

7 FOS System Status

All FOS systems behaved nominal during this period.

8 Data Reception from CNES

All SBand passes of the week were correctly received from CNES and successfully processed by FOS PLPC system except.

9 X-Band Data Reception in PXMF

Not used during the present reporting period.

10 Exceptional Activities

None.



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11 AOB

None.



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APPENDIX A: OOL's

The following Out of Limits were received on FOS PLPC. Out of limits for parameter NTLHK022 was triggered due to the OCM scheduled on the 02/04/2015.

OBT	Severity	TM Parameter	Alarm Value	Check Value	TM Description
2015.093.21.31.41.153	STATUS CHECK	DMASME43	FALSE	TRUE	DB Err In P4
2015.092.22.33.59.000	Hard-High	NTLHK022	Disabled	Enabled	ITIL Ena State
2015.090.19.30.37.475	STATUS CHECK	DMASME06	OFF	ON	LU Switch P06
2015.090.19.30.37.475	STATUS CHECK	DMASME37	FALSE	TRUE	SDD LU Detected