

***XMM-Newton and INTEGRAL weekly
Mission Operations Report***

Document No :XMM-INT-WOPS-19_19-20
Issue/Rev. No : 1
Date 22/05/2019
Page : 1

**XMM-Newton and INTEGRAL weekly
Mission Operations Report**

XMM-INT-WOPS-19_19-20

Issue 1

Date: 22 May 2019

Marcus Kirsch
OPS-OAX

**XMM-Newton and INTEGRAL weekly
Mission Operations Report**

Document No :XMM-INT-WOPS-19_19-20
Issue/Rev. No : 1
Date 22/05/2019
Page : 2

Distribution List

ESOC	Rolf Densing		Danielle Heinzer
	Andrea Kerruish	Frank Dreger	Andrzej Olchawa
	Andreas Rudolph	xmmintfd@esa.int	Federico Cordero
	XMMINTFCT	Alastair McDonald	Felicity Sheasby
	Marcus Kirsch		Gianluca Gaudenzi
	Jim Martin		
	Marko Butkovic	Martin Unal	
	Stefano Scaglioni		
	EILSservices@esa.int		
		Duncan Warren	
	Richard Southworth	Samuel Petterson	
	Jutta Huebner	Elena Garcia Tomas	
	Paolo Ferri		
ESAC	Günther Hasinger	Peter Kretschmar	Matthias Ehle
	Martin Kessler	Maria Santos Lleo	Erik Kuulkers
	Markus Kissler-Patig	Eva Verdugo	isocsci@sciops.esa.int
	Rune Floberghagen	Pedro Calderon	
		Ricardo Perez	
		Anthony Marston	
ESTEC			
			Guiseppe Sarri
Airbus		Tommy Strandberg	
		Susanne Fugger	
Alenia			
	Franco Ravera	Mario.Montagna	
Logica			
	COMCS_Helpdesk.de@log icacmg.com		
ISDC			
	Roland Walter		Carlo Ferrigno
NASA			
	DSN.Mission_XMM		
INT-PI			
	Philippe Laurent	J.P. Roques	Giovanni Larosa
	Pietro Ubertini	Wojte Hajdas	Miguel Mas Hesse
	Søren Brandt	Roland Diehl	
	A. Bazzano		

XMM-Newton and INTEGRAL weekly Mission Operations Report

Document No :XMM-INT-WOPS-19_19-20
 Issue/Rev. No : 1
 Date 22/05/2019
 Page : 3

1. Weekly report

	XMM	Integral
Main activities	<ul style="list-style-type: none"> ▪ Nominal operations ▪ Successful CDMU table upload and activation for Migration 1-B ▪ Instrument science loss mitigation activities: pn ready ▪ RGS/MOS planned Q2 ▪ GMMS training for SPACONs ongoing ▪ Instrument training for SOEs ongoing 	<ul style="list-style-type: none"> ▪ Nominal Science Operations
Status and performance of S/C	<ul style="list-style-type: none"> ▪ Nominal for platform and all instruments 	<ul style="list-style-type: none"> ▪ Nominal for platform and payload ▪ Battery 1 reconditioning completed
Status and performance of Ground segment	<ul style="list-style-type: none"> ▪ Nominal 	<ul style="list-style-type: none"> ▪ Nominal ▪ Installation of SGD Version 5.3
S/C Anomalies	<ul style="list-style-type: none"> ▪ none 	<ul style="list-style-type: none"> ▪ INT_SC-591 IREM Anomaly #215: Reset of IREM_CSCI S/W
G/S Anomalies	<ul style="list-style-type: none"> ▪ none 	<ul style="list-style-type: none"> ▪ None
Future activities planned	<ul style="list-style-type: none"> ▪ G/S and antennae automation ▪ Battery re-evaluation ▪ ESAM avoidance via automated LCL recoveries ▪ Webserver migration ▪ Lela migration to MCS pending SOC readiness for SCOS migration 	<ul style="list-style-type: none"> ▪ In-flight test of pre-perigee wheel bias suppression over Revs. 2066-2078, extended to Rev.2091 ▪ Automation of some repetitive tasks and CRPs

XMM-Newton and INTEGRAL weekly Mission Operations Report

Document No :XMM-INT-WOPS-19_19-20
Issue/Rev. No : 1
Date 22/05/2019
Page : 4

2. Detailed weekly operational events

note: all times are Zulu (in brackets DOY)

2.1. XMM

- 13/05/2019 (133) 12:57:00 CDMU Table Patch J3s to J3t
- 14/05/2019 (134) 09:05:00 Migration 1B, OPS Instruction 4096: Start of special OPS

XMM-Newton and INTEGRAL weekly Mission Operations Report

Document No :XMM-INT-WOPS-19_19-20
Issue/Rev. No : 1
Date 22/05/2019
Page : 5

2.2. INTEGRAL

Monday 06/05/2019 (126)

03:31:34 --- OEM: "ACC AIMU ON" PID # 20870044 interrupted due to IMU on
03:41:34 --- OEM: "ACC AIMU OFF"

Tuesday 07/05/2019 (127)

Nothing to report

Wednesday 08/05/2019 (128)

Nothing to report

Thursday 09/05/2019 (129)

Nothing to report

Friday 10/05/2019 (130)

Nothing to report

Saturday 11/05/2019 (131)

Nothing to report

Sunday 12/05/2019 (132)

[ARTS entry INT_SC-591 updated to record IREM Anomaly #215]

01:25:55 --- OOLs U9904, U9909, U9910, U9912, U9913. IREM SEU.

01:43:00 --- CRP_SYS_2570: Payload recovery after IREM SEU. Steps 1-4 FCP_DHS_1301 - Set Broadcast Packet to Disregard

02:10:00 --- FCP_OMC_0041: OMC Exit from safe.

02:21:00 --- FCP_IBIS_0803: IBIS EXIT FROM SAFE TC G0600 (of seq GS0803) failed release due to PTV failure. TM parameter 2097 is not as expected. (value=0). SOE called.

02:50:09 --- GS0803 resumed. OBEM EvID 10: "IBIS1 PERIODIC TASK OVERRUN" received. No X-ref entry.

02:59:00 --- IBIS re-enabled in T/L. CCCF enabled. (CCCF start = 03:00:31)

03:39:38 --- FCP_RM_0081 - IREM Patch

04:21:04 --- OEM: "ACC AIMU ON" PID # 20890073 interrupted due to IMU on

04:33:33 --- OEM: "ACC AIMU OFF"

22:32:10 --- OEM: "ACC ECLIPSE START" - stored event

22:42:12 --- OEM: "ACC ECLIPSE END" - stored event

Monday 13/05/2019 (133)

01:50:25 --- Incorrect guide star! Called SOE On-Call and FD On-Call. FD on-call is coming in to check.

08:52:59 --- OEM: "ACC AIMU ON"

ESA UNCLASSIFIED – For Official Use

***XMM-Newton and INTEGRAL weekly
Mission Operations Report***

Document No :XMM-INT-WOPS-19_19-20
Issue/Rev. No : 1
Date 22/05/2019
Page : 6

09:05:55 --- OEM: "ACC AIMU OFF"

Tuesday 14/05/2019 (134)

06:04:32 --- OEM: "ACC AIMU ON". Seq for next slew (20900053) already started from A/S

06:17:29 --- OEM: "ACC AIMU OFF". FDS: TPF 2090_0054_A.OSL correctly generated and applied on A/S to update slew 20900054. No further action needed

Wednesday 15/05/2019 (135)

16:00:59 --- OCR#1665 Installation of SGD Version 5.3 + patch on A-chain clients , Completed

Thursday 16/05/2019 (136)

14:06:18 --- Battery 1 Discharge terminated manually at 6.11V.

17:06:52 --- According to FCP_EPS-1280 Battery 1 is charged with 1.8 Amps.

Friday 17/05/2019 (137)

Nothing to report

Saturday 18/05/2019 (138)

14:50:44 --- OEM: MS EVE ECD REACHED (BAT 1)

Sunday 19/05/2019 (139)

Nothing to report