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

XMM-INT-WOPS-23_44-45

Issue 1

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1. Weekly report

	XMM	Integral
Main activities	- Nominal Operations - New MCS SW Release 12.7.2 - Phase in of new service contract for SOEs (October-December) - DABYS D/B prototype negotiations - Tolhuin station in operational test - Lela final migration to MCS - Manual spacecraft recovery without propellant procedures - CDMU recovery automation - NSM on board	- Routine science operations - Eclipse Season - Deployment of MCS E541
Status and performance of S/C	Nominal for platform and all instruments	Manual transponder swaps following RF switch anomaly
Status and performance of Ground segment	Nominal	Nominal
S/C Anomalies	None	INT_SC-746 VETO reset during the execution of ED GEVESP01 (VETO S/W patch...)
G/S Anomalies	- XMM-1548: EVFM processing failure - XMM-1550: Autocommander DYN PTV settings not as expected - XMM_1551: Tolhuin/KSAT General Support Issues	- INT-3925 Loss of TM from Kiruna - INT-3926
Future activities planned	- NSM via MOIS - Webserver and NRT Analysis/Monitoring migration	- Automation of Transponder swap operations - Automation of ground station operations (EVFM)

2. Detailed weekly operational events
note: all times are Zulu (in brackets DOY)

2.1. XMM

- 30/10/2023 (DoY 303)
    - 06:11:05   Several Event Logger error messages received from PDSserTM and HFARetri. Re-started PDS TM on xmcsa *(see **XMCS-1403)***

    - 19:21:07   MOS1 - PTV failure during recovery due to Autocommander dynamic PTV setting not as expected. Autocommander restarted at 19:40. Same at 19:47:24 *(see **AR XMM-1550 ::** Autocommander DYN PTV settings not as expected).*

- 01/11/2023 (DoY 305)
    - 22:27:00   New MCS SW Release 12.7.2 as per OI#4614

- 02/11/2023 (DoY 306)
    - 13:33:30   EVFM processing failure occurred multiple times and was not properly acted on *(see **AR XMM-1548 ::** EVFM processing failure).*

- 10/11/2023 (DoY 314)
    - 14:10:46   Error at TNOC G/S scheduling office: TOH Pass was not scheduled on KSAT side although confirmation was received at Scheduling Office. Used AGO instead *(see **AR XMM-1551 ::** Tolhuin/KSAT General Support Issues).*

2.2. INTEGRAL

31/10/2023 (304)
03:23:59   FDS: TPF update failed for SlewID #27030067
03:24:58   FDS: TPF 2703_0500_A.OSL applied on A/S to update slew 27030067

01/11/2023 (305)
04:20:28   Eclipse START
05:06:20   Eclipse END
07:51:14   Lost TM both VCs/chains. JEM-X1/2 commanding interrupted. AR INT-3925
07:53:05   Resent 2 missed EDs for JEM-X2 & re-enabled s/s in t/l.
07:57:38   [CRIT_INST_ALT_ASC] Critical Instrument Altitude Ascending (50000 km)
08:13:05   Further commands for JEM-Xs failed.
09:29:48   JEM-X1 / 2 resent EDs KEACAL01, LEACAL01, KEHVAC01, KEDATA02

02/11/2023 (306)
10:09:02   OI2433 Swapped MCS to B-Chain with SOE & FD support.

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03/11/2023 (307)
20:11:23   Eclipse START
20:56:31   Eclipse END
21:08:45   OOL L5583 "CPU MODE". Value = 8MHZ. I_CRP_JEM2_5011 started.

06/11/2023 (310
12:03:07   Eclipse START
12:46:28   Eclipse END
14:17:50   IBIS VETO reset during the execution of ED GEVESP01 – AR INT_SC-746.
Recovery was unsuccessful and had to be repeated – recurring problem.
15:37:24   [CRIT_INST_ALT_ASC] Critical Instrument Altitude Ascending (50000 km)
18:47:00   IBIS recovery complete. IBIS Re-enabled.

09/11/2023 (282)
03:55:26   Eclipse START
04:35:37   Eclipse END
04:48:50   OOL L5583 "CPU MODE". Value = 8MHZ. I_CRP_JEM2_5011
09:07:37   OI#2437 MCS E541 installation and operations swap from B- chain to A -
chain

11/11/2023 (284)
19:47:53   Eclipse START
20:23:06   Eclipse END