European Space Agency

XMM-Newton and INTEGRAL weekly Mission Operations Report

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Issue 1

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1. Weekly report

	XMM	**Integral**
Main activities	▪ Nominal operations ▪ PER replacement validation	▪ Nominal science operations
Status and performance of S/C	▪ Nominal for platform and all instruments	▪ Nominal for platform and payload
Status and performance of Ground segment	▪ Nominal, apart from some AGO problems	▪ On-going occasional RFI at all stations, some sources identified.
S/C Anomalies	▪ None	▪ none
G/S Anomalies	▪ None	▪ INT-3567 Incorrect Execution TTC RF Switch Commands and Recovery.
Future activities planned	▪ GFTS release ▪ Mission planning S/W release ▪ YAT readiness in November ▪ Eclipse season	▪ Automation of some repetitive tasks. ▪ Investigation of RWL Low Speed operations to save propellant. ▪ Eclipse season starts 12/10/2015

2. Detailed weekly operational events

note: all times are Zulu

2.1. XMM

- 2015-10-01 18:30:39 (274): SYS: LRImain/xmca - Wrong number of parameters in LELA line (continued)

2.2. INTEGRAL

2015-09-28 (271)
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2015-09-29 (272)
08:37:00 Started to recivePDSserTM error messages on IMCA-NEW, restart of MCVS necessary, outside coverage so no impact
13:08:00 G/S: Drop VC-0 from G/S VIL2, RFI, source unknown

2015-09-30 (273)
01:03:00 G/S: Drop VC-0 from G/S:KIR, RFI, source unknown

2015-10-01 (274)
07:02:00 G/S: Drop VC-0 from G/S:KIR, RFI, source unknown

2015-10-02 (275)
05:24:00 At AOS KIR, very weak signal, Onboard RFDN safety time-tags erroneous. We are on the wrong on-board antenna. Estrack cannot lock RX2.
05:48:00 Vil2 sweeps receiver 2 but still no good TM, possible
07:17:00 Blind antenna swop executed. Good TM online, re-sweep to lock RX1
07:26:00 Start of manual Instrument activation and attitude recovery
07:45:00 Manual slew 1594_0500_M.osl to PID #159400004
08:44:00 Manual slew 1594_0501_M.csl from PID #159400004 to #159400004
09:02:00 FDS: TPF 1594_0502_A.osl applied on A/S to update slew 15940005
09:06:00 Both space craft and instrument are now on target and observing

2015-10-03 (276)
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2015-10-04 (277)
07:36:54 IMU ON
07:52:30 FDS: TPF 1594_0503_A.OSL applied on A/S to update slew 15940082
22:45:00 G/S: Drop VC-0 from G/S:KIR, RFI, source unknown