European Space Agency

XMM-Newton and INTEGRAL weekly Mission Operations Report

XMM-INT-WOPS-12_17

Issue 1

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1. Weekly report

	XMM	**Integral**
Main activities	▪ Nominal operations ▪ S/W MCS V10.5.2 / ODB 6.14 under test	▪ 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	▪ Ongoing occasional downlink RFI at REDU, some sources identified, filter installed for testing ▪ ATV support ongoing
S/C Anomalies	▪ DOY 122 20:50z **AR XMM_SC-82** HLCL 7.2A trips to OPEN (SEU)	▪ None
G/S Anomalies	▪ None	▪ None
Future activities planned	▪ Leap second 30th June ▪ Implementation of new RW low speed limit	▪ E3.5 Testing ▪ Virtualised Solaris environments MCS development Earth observation 2.1 on 9 / 10th may

2. Detailed weekly operational events

note: all times are Zulu

2.1. XMM

2012-04-24 14:02:17 (115)	Lost TM VC7 from KRU for 1 sec
2012-04-25 16:25:00 (116)	Frames from PER out of sequence
2012-04-25 16:25:00 (116)	AGC levels: TRSP1 -104.00 dBm, TRSP2 -100.80 dBm
2012-04-25 16:28:00 (116)	TM drop from G/S PER Called SOE
2012-04-25 16:33:00 (116)	RGS1+2 Q-Dumps failed due to no TM
2012-04-25 16:40:00 (116)	ESTRACK configures NNO
2012-04-25 16:43:00 (116)	AOS G/S NNO
2012-04-25 17:10:00 (116)	Called for AGO support, TM links only to drop
2012-04-25 17:16:00 (116)	G/S handover from NNO to PER, AGC levels slightly better now
2012-04-29 01:54:00 (120)	Low bit rate from KRU during commanding for OSL, no effect on start of slew.
2012-05-01 20:50:00 (122)	OOL P1124 'HLCL 7.2A STAT' SSC (OPEN) LCL trip. ***AR XMM_SC-82***
2012-05-01 20:52:00 (122)	CRP_EPS_0205 SPDU HLCL Switch OFF failure: switched LCL back on.

2.1 INTEGRAL

2012-04-23 01:32:00 (114)
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2012-04-24 (115)
13:26:00 Continuous G/S: Drop VC-0 & VC-7 from G/S: VIL2,
14:48:00 PID #11630100 lost
15:03:00 Manual slew 1163_0500_M.CSL from PID #11630099 to #11630100
15:22:00 PID #11630101 lost
15:30:00 Manual slew 1163_0501_M.CSL from PID #11630100 to #11630101
15:43:00 FDS: TPF 1163_0502_A.OSL applied on A/S to update slew 11630102
15:50:00 ESTRACK configured Maspalomas station, connected TM VC0 & VC7, no TC
15:57:00 G/S: Data gaps on VC-7 from G/S:MAS, processed VIL2 VC-7 again
17:40:00 Closed TM link VC-7 MS11 as getting lots of data gap alarms on EVT logger
19:52:00 Ground Station Handover to REDU

2012-04-25(116)
04:19:43 CMD K0013/L003 failed release due to dyn PTV =wait (high radiation)
04:22:00 FCP_JEM1/JEM2_0040 (transition to SAFE)
05:07:00 FCP_JEM1/2_0040 / FCP_JEM1/2_0041 to setup mode
05:10:00 FCP_JEM1/2_1010
05:54:00 FCP_JEM1/2_0044 to data taking. Both JEMX now in data taking.JEM1/2 are both enabled and CCCF is also enabled.
08:00:30 FCP_AOC_1522 Update RCS-A tourque reciprocal
08:05:00 FCP_AOC_1045 Update AMD ON TIME PARAMETERS RCS-A
08:19:00 FCP_AOC_1120 UPDATE S/C INERTIAS
08:39:00 FCP_AOC_1205 UPDATE TIM THRESHOLDS.
09:10:00 FCP_AOC_1206 UPDATE SAS THRESHOLDS

2012-04-26 (117)
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2012-04-27 (118)
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2012-04-28 (119)
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2012-04-29 (120)
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2012-04-30 (121)
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2012-05-01 (122)
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