

Table 2. The *XMM-Newton* data used to create the source catalog include 155 pointings with a total of 2.7 Ms of flare-filtered exposure time, of which 1.1 Ms is from the new AO-15 observations.^a Columns from left to right: target field, *XMM-Newton* revolution, *XMM-Newton* ObsID, observation starting date/time, Right Ascension and Declination of the pointing center (J2000, degrees), cleaned exposure time for PN, MOS1, and MOS2 in each pointing. This table is available in its entirety online.

Field	Revolution	ObsID	Date (UT)	R.A.	Decl.	GTI (PN) (ks)	GTI (MOS1) (ks)	GTI (MOS2) (ks)
<i>XMM-LSS</i>	383	0037980201	2002-01-11T14:26:33	36.02331	-3.84991	4.45	12.90	12.90
<i>XMM-LSS</i>	383	0037980301	2002-01-11T23:44:22	36.35701	-3.84964	7.71	12.80	13.20
<i>XMM-LSS</i>	390	0037980401	2002-01-26T02:30:32	36.68937	-3.85014	5.75	6.75	6.55
<i>XMM-LSS</i>	390	0037980501	2002-01-25T20:57:30	37.02230	-3.85024	12.01	15.71	15.71
<i>XMM-LSS</i>	491	0037982001	2002-08-14T13:52:50	35.14558	-4.81249	13.80	16.80	16.41
<i>XMM-LSS</i>	491	0037982101	2002-08-14T19:26:13	35.31257	-4.47929	11.61	15.20	15.11
<i>XMM-LSS</i>	575	0037982201	2003-01-28T19:16:34	35.52297	-4.18454	3.37	4.77	5.47
<i>XMM-LSS</i>	574	0037982301	2003-01-26T19:24:42	35.02281	-4.51805	6.24	9.83	9.83
<i>XMM-LSS</i>	573	0037982401	2003-01-25T05:52:28	35.19028	-4.18377	11.20	18.00	18.10
<i>XMM-LSS</i>	573	0037982501	2003-01-25T01:20:03	35.35612	-3.85037	8.12	12.31	12.41
XMDS	392	0109520101	2002-01-29T08:52:41	35.85522	-4.18544	21.30	25.20	25.80
XMDS	392	0109520201	2002-01-29T17:00:01	36.85566	-4.85164	20.10	24.20	24.40
XMDS	394	0109520301	2002-02-02T11:32:32	36.52105	-4.85183	17.00	21.30	21.30
XMDS	287	0109520501	2001-07-03T22:51:06	35.80861	-4.81709	19.20	23.90	23.80
XMDS	393	0109520601	2002-01-31T13:11:02	35.68771	-4.51991	18.10	22.50	22.40
XMDS	288	0111110101	2001-07-06T04:10:15	36.97549	-5.15019	15.13	20.32	20.62
XMDS	287	0111110301	2001-07-03T06:22:45	36.30989	-5.15193	19.00	22.21	22.31
XMDS	287	0111110401	2001-07-03T14:01:54	35.97582	-5.15253	21.40	27.20	27.40
XMDS	287	0111110501	2001-07-04T06:28:34	35.64245	-5.15083	19.00	23.10	23.01
XMDS	308	0111110701	2001-08-14T21:17:47	36.64627	-5.14632	7.90	11.81	11.81
SXDF	118	0112370101	2000-07-31T21:57:54	34.47819	-4.98115	39.13	42.70	42.83
SXDF	120	0112370301	2000-08-04T20:24:56	34.87884	-4.98044	37.04	41.43	40.84
SXDF	121	0112370401	2000-08-06T07:56:57	34.67930	-4.63399	12.36	14.86	14.26
SXDF	490	0112370601	2002-08-12T05:44:01	34.07813	-4.98139	31.73	36.20	36.32
SXDF	488	0112370701	2002-08-08T15:06:26	34.27745	-5.32781	45.30	47.30	47.10
SXDF	488	0112370801	2002-08-09T05:30:10	34.67777	-5.32864	34.73	37.70	37.72
SXDF	119	0112371001	2000-08-02T20:32:55	34.47852	-4.98052	40.63	44.00	44.00
SXDF	121	0112371501	2000-08-06T20:17:03	34.67914	-4.63413	3.26	4.85	4.85
SXDF	122	0112371701	2000-08-08T08:13:25	34.27919	-4.63399	20.02	21.20	18.11
SXDF	564	0112372001	2003-01-07T04:19:26	34.32394	-4.66880	25.20	26.60	27.00
XMDS	392	0112680101	2002-01-28T23:45:30	36.85590	-4.18530	24.11	25.81	25.90
XMDS	475	0112680201	2002-07-14T02:11:50	36.47560	-4.15141	7.66	8.76	8.86
XMDS	570	0112680301	2003-01-19T04:20:00	36.18978	-4.18398	19.10	22.00	21.91
XMDS	394	0112680401	2002-02-02T18:33:07	37.02118	-4.51912	20.31	22.81	22.81
XMDS	481	0112680501	2002-07-25T16:26:09	35.97719	-4.48346	17.21	21.31	21.41
XMDS	393	0112680801	2002-01-31T20:28:13	35.51995	-4.85312	9.41	14.11	14.11
XMDS	393	0112681001	2002-01-30T16:55:46	36.35505	-4.51870	21.15	24.34	23.90
XMDS	481	0112681301	2002-07-26T08:28:09	36.64298	-4.48377	12.17	16.35	16.55
<i>XMM-LSS</i>	663	0147111301	2003-07-24T09:03:17	35.31641	-5.14986	10.60	12.30	12.50
<i>XMM-LSS</i>	663	0147111401	2003-07-24T13:16:39	35.15134	-5.48349	9.41	10.81	10.91
Cluster	928	0210490101	2005-01-01T19:08:30	36.03267	-4.20230	80.28	87.98	87.98
<i>XMM-LSS</i>	1204	0404960101	2006-07-06T06:18:33	36.64192	-3.81864	4.57	12.13	10.93
<i>XMM-LSS</i>	1204	0404960401	2006-07-06T19:44:22	35.47546	-5.48506	9.50	11.10	11.10
<i>XMM-LSS</i>	1204	0404960501	2006-07-06T23:41:03	36.14194	-4.81868	8.61	10.91	10.91
<i>XMM-LSS</i>	1204	0404960601	2006-07-07T03:37:45	35.47611	-4.15216	7.72	10.21	10.21
<i>XMM-LSS</i>	1204	0404964701	2006-07-07T07:46:55	37.14257	-5.48528	8.32	10.91	11.01
<i>XMM-LSS</i>	1204	0404964801	2006-07-07T11:43:33	36.80895	-5.48560	8.32	10.61	10.51
<i>XMM-LSS</i>	1205	0404965001	2006-07-09T04:11:29	36.14213	-5.48606	2.57	7.63	7.44
<i>XMM-LSS</i>	1205	0404965101	2006-07-09T08:08:08	35.80953	-5.48532	3.44	10.36	9.91
<i>XMM-LSS</i>	1206	0404965201	2006-07-11T06:40:02	36.30881	-5.81849	9.90	11.50	11.40
<i>XMM-LSS</i>	1206	0404965301	2006-07-11T10:41:12	35.97550	-5.81864	9.70	11.20	11.20
<i>XMM-LSS</i>	1206	0404965401	2006-07-11T14:37:50	35.64226	-5.81781	12.62	15.11	15.01
<i>XMM-LSS</i>	1208	0404965501	2006-07-14T05:47:41	35.30895	-5.81726	2.48	5.46	4.67
<i>XMM-LSS</i>	1208	0404965701	2006-07-14T15:09:47	34.64250	-5.81704	12.61	14.90	14.61
<i>XMM-LSS</i>	1216	0404966301	2006-07-31T06:36:40	34.81164	-5.56546	9.70	11.10	11.20
<i>XMM-LSS</i>	1221	0404966501	2006-08-09T07:21:51	34.06221	-5.56371	7.03	11.01	10.91
<i>XMM-LSS</i>	1296	0404966601	2007-01-06T14:04:50	35.05861	-5.23144	11.90	13.30	13.10
<i>XMM-LSS</i>	1297	0404966901	2007-01-07T18:39:12	34.69071	-4.43169	5.37	7.06	7.06
<i>XMM-LSS</i>	1297	0404967001	2007-01-08T00:53:03	34.35814	-4.43326	12.80	14.30	14.30
<i>XMM-LSS</i>	1297	0404967301	2007-01-08T09:36:35	34.85804	-4.18260	8.90	13.30	13.10
<i>XMM-LSS</i>	1297	0404967401	2007-01-08T14:07:36	34.52440	-4.18190	12.60	14.40	14.30
<i>XMM-LSS</i>	1298	0404967701	2007-01-10T05:24:45	35.02412	-3.84942	11.60	13.20	13.10
<i>XMM-LSS</i>	1298	0404967801	2007-01-10T09:54:42	34.69097	-3.84938	12.70	14.20	14.10
<i>XMM-LSS</i>	1298	0404967901	2007-01-10T14:41:23	34.35780	-3.84911	12.60	14.30	14.40
<i>XMM-LSS</i>	1298	0404968001	2007-01-10T19:28:02	34.02464	-3.84901	12.70	14.10	14.10
<i>XMM-LSS</i>	1214	0404969201	2006-07-26T20:58:11	36.47682	-5.48302	4.13	7.30	7.11
<i>XMM-LSS</i>	1586	0553910101	2008-08-06T10:17:58	36.64425	-3.81433	8.81	11.10	11.00
<i>XMM-LSS</i>	1586	0553910401	2008-08-06T22:20:26	36.47766	-5.48237	8.22	11.20	11.30
<i>XMM-LSS</i>	1587	0553910501	2008-08-09T01:27:29	36.14500	-5.48199	9.70	11.30	11.20
<i>XMM-LSS</i>	1660	0553910601	2009-01-01T12:51:05	35.85892	-5.51322	13.80	14.00	13.90
<i>XMM-LSS</i>	1660	0553910701	2009-01-01T03:02:08	35.35734	-5.84765	9.63	12.42	12.32
<i>XMM-LSS</i>	1660	0553910801	2009-01-01T07:57:07	35.02387	-5.84777	11.40	13.10	13.30
<i>XMM-LSS</i>	1569	0553910901	2008-07-04T06:12:56	34.30940	-5.81937	21.90	23.70	23.50
<i>XMM-LSS</i>	1588	0553911301	2008-08-10T10:09:26	34.47858	-5.56367	6.64	11.81	11.71
<i>XMM-LSS</i>	1660	0553911501	2009-01-01T17:48:05	34.69069	-4.43166	11.60	13.20	13.20
<i>XMM-LSS</i>	1569	0553911601	2008-07-03T19:16:38	34.14220	-4.15248	11.40	12.80	12.80
Cluster	1771	0604280101	2009-08-10T11:30:36	35.43352	-3.71718	65.73	82.42	81.52

Table 1 – *continued*

Field	Revolution	ObsID	Date (UT)	R.A.	Decl.	GTI (PN) (ks)	GTI (MOS1) (ks)	GTI (MOS2) (ks)
<i>XMM-XXL-North</i>	2137	0677580101	2011-08-10T01:53:35	38.00217	-4.49993	4.94	5.93	5.52
<i>XMM-XXL-North</i>	2137	0677580101	2011-08-10T01:53:35	38.00219	-4.49999	1.69	6.47	6.67
<i>XMM-XXL-North</i>	2128	0677590101	2011-07-23T02:16:28	37.95633	-5.12704	6.45	7.05	7.05
<i>XMM-XXL-North</i>	2128	0677590101	2011-07-23T02:16:28	37.95633	-5.12704	12.40	12.20	12.10
<i>XMM-XXL-North</i>	2302	0677600101	2012-07-04T01:01:56	37.78692	-5.80385	7.71	10.11	10.21
<i>XMM-XXL-North</i>	2302	0677600101	2012-07-04T01:01:56	37.78706	-5.80397	3.86	9.20	9.71
<i>XMM-XXL-North</i>	2302	0677600101	2012-07-04T01:01:56	37.78706	-5.80397	4.77	6.66	6.86
<i>XMM-XXL-North</i>	2218	0677670101	2012-01-18T15:41:29	32.48949	-6.16520	10.50	12.50	12.50
Cluster	2777	0742430301	2015-02-06T19:42:32	34.31747	-4.20560	47.15	66.17	69.13
Cluster	2857	0760540101	2015-07-16T06:47:41	34.40897	-3.74316	89.51	94.87	94.11
X-SERVS-LSS (AO-15)	3054	0780450101	2016-08-13T01:34:06	35.81072	-5.15989	20.91	23.61	23.61
X-SERVS-LSS (AO-15)	3055	0780450201	2016-08-13T23:44:08	35.81125	-4.89060	13.50	15.00	15.30
X-SERVS-LSS (AO-15)	3055	0780450301	2016-08-14T04:47:29	35.81904	-4.65084	12.21	14.81	14.90
X-SERVS-LSS (AO-15)	3055	0780450401	2016-08-14T09:50:49	36.06637	-5.08018	13.60	15.30	15.20
X-SERVS-LSS (AO-15)	3128	0780450501	2017-01-06T15:08:07	36.11279	-4.86035	10.86	15.54	15.34
X-SERVS-LSS (AO-15)	3055	0780450601	2016-08-14T14:54:09	36.08143	-4.57816	13.70	15.20	15.20
X-SERVS-LSS (AO-15)	3055	0780450701	2016-08-14T19:57:29	36.30018	-4.38984	14.70	16.00	16.10
X-SERVS-LSS (AO-15)	3055	0780450801	2016-08-15T01:15:49	36.30670	-5.16025	22.41	23.91	24.01
X-SERVS-LSS (AO-15)	3128	0780450901	2017-01-06T23:14:47	36.35315	-4.92616	10.04	13.33	12.83
X-SERVS-LSS (AO-15)	3128	0780451001	2017-01-07T05:08:07	36.36092	-4.69273	7.96	7.32	7.12
X-SERVS-LSS (AO-15)	3128	0780451101	2017-01-07T11:16:27	36.36841	-4.18381	10.44	12.02	11.82
X-SERVS-LSS (AO-15)	3130	0780451201	2017-01-10T11:22:01	36.60902	-5.18886	21.51	23.90	24.11
X-SERVS-LSS (AO-15)	3129	0780451301	2017-01-08T18:44:37	36.60890	-4.91844	7.16	9.75	9.45
X-SERVS-LSS (AO-15)	3129	0780451401	2017-01-09T00:37:58	36.62363	-4.68559	8.75	12.33	12.23
X-SERVS-LSS (AO-15)	3129	0780451501	2017-01-09T06:31:18	36.63136	-4.40906	2.39	4.77	4.18
X-SERVS-LSS (AO-15)	3129	0780451601	2017-01-09T12:24:37	36.64575	-4.18393	25.52	29.02	29.22
X-SERVS-LSS (AO-15)	3130	0780451701	2017-01-10T19:28:43	36.84954	-4.17671	15.41	18.00	17.61
X-SERVS-LSS (AO-15)	3130	0780451801	2017-01-11T01:22:03	36.85008	-4.38811	12.82	15.22	15.02
X-SERVS-LSS (AO-15)	3130	0780451901	2017-01-11T07:15:22	36.85709	-4.88988	15.61	17.31	17.31
X-SERVS-LSS (AO-15)	3130	0780452001	2017-01-11T13:08:43	36.85771	-5.18803	18.64	23.13	22.93
X-SERVS-LSS (AO-15)	3131	0780452101	2017-01-13T09:38:07	36.86260	-4.68658	16.40	18.30	18.10
X-SERVS-LSS (AO-15)	3128	0780452201	2017-01-07T17:24:47	35.86446	-4.68576	7.85	10.64	10.04
X-SERVS-LSS (AO-15)	3145	0780452301	2017-02-09T11:24:22	34.72306	-4.83586	9.36	12.54	12.45
X-SERVS-LSS (AO-15)	3145	0780452401	2017-02-09T18:26:03	34.92877	-5.23721	11.94	14.63	14.93
X-SERVS-LSS (AO-15)	3145	0780452501	2017-02-10T01:09:22	36.20654	-4.83675	2.88	4.67	4.97
X-SERVS-LSS (AO-15)	3145	0780452601	2017-02-10T05:56:03	36.58451	-4.93526	10.62	13.71	13.61
X-SERVS-LSS (AO-15)	3033	0785100101	2016-07-01T16:11:07	34.55360	-4.36220	18.90	20.80	20.60
X-SERVS-LSS (AO-15)	3033	0785100201	2016-07-01T22:46:05	34.61948	-4.14443	20.30	21.99	22.09
X-SERVS-LSS (AO-15)	3034	0785100301	2016-07-02T20:26:49	34.74250	-4.36960	16.43	21.11	21.01
X-SERVS-LSS (AO-15)	3034	0785100401	2016-07-03T04:01:50	34.91227	-4.15331	18.10	19.90	19.90
X-SERVS-LSS (AO-15)	3034	0785100501	2016-07-03T10:41:02	35.04201	-4.64750	17.71	19.60	19.60
X-SERVS-LSS (AO-15)	3034	0785100601	2016-07-03T17:20:11	35.04250	-4.39969	21.91	25.60	25.60
X-SERVS-LSS (AO-15)	3034	0785100701	2016-07-04T01:39:20	35.04673	-5.40382	18.39	19.79	19.89
X-SERVS-LSS (AO-15)	3035	0785100801	2016-07-05T01:22:10	35.06286	-4.87938	19.50	21.30	21.00
X-SERVS-LSS (AO-15)	3035	0785100901	2016-07-05T08:18:01	35.12363	-4.14538	18.90	20.59	20.50
X-SERVS-LSS (AO-15)	3035	0785101001	2016-07-05T15:05:31	35.27350	-5.38169	19.00	20.20	20.40

Table 1 – *continued*

Field	Revolution	ObsID	Date (UT)	R.A.	Decl.	GTI (PN) (ks)	GTI (MOS1) (ks)	GTI (MOS2) (ks)
X-SERVS-LSS (AO-15)	3035	0785101101	2016-07-05T21:40:31	35.31771	-5.20051	14.15	19.89	19.89
X-SERVS-LSS (AO-15)	3035	0785101201	2016-07-06T04:15:30	35.31823	-4.94544	12.25	23.50	22.71
X-SERVS-LSS (AO-15)	3036	0785101301	2016-07-06T20:12:38	35.31726	-4.64356	14.31	21.50	21.21
X-SERVS-LSS (AO-15)	3036	0785101401	2016-07-07T04:03:11	35.34935	-4.42166	18.40	19.90	19.90
X-SERVS-LSS (AO-15)	3036	0785101501	2016-07-07T14:34:06	35.40811	-4.14520	17.71	19.90	19.90
X-SERVS-LSS (AO-15)	3036	0785101601	2016-07-07T21:13:16	35.54440	-5.39695	18.50	20.20	19.70
X-SERVS-LSS (AO-15)	3036	0785101701	2016-07-08T03:39:55	35.59564	-4.94628	4.88	11.95	11.65
X-SERVS-LSS (AO-15)	3047	0785101801	2016-07-29T05:37:06	35.59869	-4.65924	18.40	20.00	19.80
X-SERVS-LSS (AO-15)	3047	0785101901	2016-07-29T12:03:50	35.59863	-4.44118	18.60	20.00	20.20
X-SERVS-LSS (AO-15)	3047	0785102001	2016-07-29T18:30:25	35.63522	-4.15052	18.20	20.00	19.80
X-SERVS-LSS (AO-15)	3047	0785102101	2016-07-30T00:57:05	35.80801	-5.38748	17.34	29.60	28.71
X-SERVS-LSS (AO-15)	3054	0785102201	2016-08-11T23:47:27	36.05233	-5.31265	15.32	17.42	17.12
X-SERVS-LSS (AO-15)	3054	0785102301	2016-08-12T06:14:07	36.30006	-5.38507	18.70	19.90	20.20
X-SERVS-LSS (AO-15)	3054	0785102401	2016-08-12T12:40:46	36.54096	-5.38609	18.40	19.80	20.00
X-SERVS-LSS (AO-15)	3054	0785102501	2016-08-12T19:07:27	36.80401	-5.36470	18.70	20.10	20.00
X-SERVS-LSS (AO-15)	3126	0793580101	2017-01-02T14:40:24	34.73970	-4.66327	16.24	21.32	21.82
X-SERVS-LSS (AO-15)	3125	0793580201	2017-01-01T07:19:42	34.93672	-4.16774	5.02	7.01	7.11
X-SERVS-LSS (AO-15)	3125	0793580301	2017-01-01T10:22:13	35.06727	-4.66214	5.70	7.21	7.30
X-SERVS-LSS (AO-15)	3126	0793580401	2017-01-02T22:47:03	35.06781	-4.41425	4.56	5.96	6.36
X-SERVS-LSS (AO-15)	3125	0793580501	2017-01-01T04:17:13	35.07229	-5.41805	4.62	6.71	6.61
X-SERVS-LSS (AO-15)	3126	0793580601	2017-01-03T03:33:44	35.34253	-4.65739	11.71	13.71	13.71
X-SERVS-LSS (AO-15)	3126	0793580701	2017-01-03T08:20:24	35.34265	-5.21502	12.60	14.00	14.10
X-SERVS-LSS (AO-15)	3133	0793580801	2017-01-16T20:50:36	35.34175	-4.96205	14.50	16.10	16.10
X-SERVS-LSS (AO-15)	3126	0793580901	2017-01-03T13:07:04	35.37468	-4.43632	3.93	6.02	5.82
X-SERVS-LSS (AO-15)	3127	0793581001	2017-01-04T21:11:43	35.43227	-4.15987	4.82	7.30	7.21
X-SERVS-LSS (AO-15)	3127	0793581101	2017-01-05T00:14:13	35.56889	-5.41100	4.82	7.11	7.30
X-SERVS-LSS (AO-15)	3125	0793581201	2017-01-01T13:12:13	35.62123	-4.96094	17.94	25.62	25.03
X-SERVS-LSS (AO-15)	3127	0793581301	2017-01-05T03:04:13	35.66046	-4.16560	2.36	4.05	4.15
X-SERVS-LSS (AO-15)	3127	0793581501	2017-01-05T05:54:12	36.32476	-5.40051	2.95	4.34	4.24
X-SERVS-LSS (AO-15)	3127	0793581601	2017-01-05T08:44:12	36.82881	-5.37953	4.92	5.23	5.13

^a: MOS only (MOS1 and MOS2 have the same exposure time). For PN, the total flare-filtered time is 2.3 Ms, of which 0.9 Ms is from the new AO-15 observations.