

SELECTED X-RAY SOURCES, J2010.5

H77

Name	Right Ascension	Declination	Flux ¹	Mag. ²	Identified Counterpart	Type of Source
	^h ^m ^s	[°] ['] ["]	^μ Jy			
Tycho's SNR	00 25 55.5	+64 11 48	8.08		Tycho's SNR	SNR
4U 0037-10	00 42 06.6	-09 17 33	3.19	15.7	Abell 85	C
4U 0053+60	00 57 21.0	+60 46 24	5.00 - 11.0	1.6V	Gamma Cas	Be Star
SMC X-1	01 17 21.9	-73 23 18	0.50 - 57.0	13.3	Sanduleak 160	HMXB
2S 0114+650	01 18 45.2	+65 20 48	4.00	11.0	LSI + 65 010	HMXB
4U 0115+634	01 19 13.8	+63 47 51	2.00 - 350.0	14.5V	V 635 Cas	HMXB
4U 0316+41	03 20 29.8	+41 32 59	52.1	12.7	Abell 426	C
4U 0352+309	03 56 02.6	+31 04 34	9.00 - 37.0	6.0V	X Per	HMXB
4U 0431-12	04 34 05.3	-13 13 26	2.79	15.3	Abell 496	C
4U 0513-40	05 14 27.4	-40 01 55	6.00	8.1	NGC 1851	LMXB
LMC X-2	05 20 18.6	-71 57 01	9.00 - 44.0	18.0V		BHC
LMC X-4	05 32 50.0	-66 21 48	3.00 - 60.0	14.0	OB star	HMXB
Crab Nebula	05 35 09.3	+22 01 16	1041.7	8.4	Crab Nebula	SNR+P
A 0538-66	05 35 44.5	-66 50 03	0.01 - 180.0	13V	Be star	HMXB
LMC X-3	05 39 00.2	-64 04 44	1.70 - 44.0	16.7V	B3V star	BHC
A 0535+262	05 39 33.8	+26 19 16	3.00 - 2800.0	8.9V	HD 245770	HMXB
LMC X-1	05 39 34.5	-69 44 15	3.00 - 25.0	14.5	O7III star	BHC
4U 0614+091	06 17 42.6	+09 08 21	50.0	11.2	V 1055 Ori	BHC
IC 443	06 18 39.5	+22 33 31	3.78		IC 443	SNR
A 0620-00	06 23 16.7	-00 21 05	0.02 - 50000	16.4V	V 616 Mon	BHC
4U 0726-260	07 29 19.5	-26 07 49	1.20 - 4.70	11.6	LS 437	HMXB
EXO 0748-676	07 48 35.5	-67 46 44	0.10 - 60.0	16.9V	UY Vol	B
Pup A	08 24 28.8	-43 01 59	8.25		Pup A	SNR
Vela SNR	08 34 32.4	-45 47 21	10.01	20.0	Vela SNR	SNR
GRS 0834-430	08 37 13.5	-43 17 13	30.0 - 300.0	20.4		HMXB
Vela X-1	09 02 30.7	-40 35 47	2.00 - 1100.0	6.9	HD 77581	HMXB
3A 1102+385	11 05 02.2	+38 09 07	2.73	13.5*	MRK 421	Q
Cen X-3	11 21 43.3	-60 40 54	10.0 - 312.0	13.3	V 779 Cen	HMXB
4U 1145-619	11 48 30.9	-62 15 55	4.00 - 1000.0	9.3	HD 102567	HMXB
4U 1206+39	12 11 04.3	+39 20 51	4.73	11.2*	NGC 4151	AGN
GX 301-2	12 27 13.0	-62 49 42	9.00 - 1000.0	10.8	Wray 977	HMXB
3C 273	12 29 38.9	+01 59 40	2.96	13.0	3C 273	Q
4U 1228+12	12 31 21.3	+12 19 59	23.9	9.2	M 87	AGN
4U 1246-41	12 49 24.2	-41 22 05	5.24	12.4*	Centaurus Cluster	C
4U 1254-690	12 58 19.3	-69 20 38	25.0	19.1	GR Mus	B
4U 1257+28	13 00 06.2	+27 54 21	16.3	10.7	Coma Cluster	C
GX 304-1	13 01 56.3	-61 39 29	0.30 - 200.0	13.5V	V 850 Cen	HMXB
Cen A	13 26 04.7	-43 04 25	9.24	6.98	QSO 1322-428	Q
Cen X-4	14 59 00.9	-32 03 36	0.10 - 20000	12.8	V 822 Cen	B
SN 1006	15 03 03.5	-41 56 14	2.65	19.9	SN 1006	SNR
Cir X-1	15 21 29.9	-57 12 14	5.00 - 3000.0	21.4	BR Cir	LMXB
4U 1538-522	15 43 10.7	-52 25 08	3.00 - 30.0	14.4	QV Nor	HMXB
4U 1556-605	16 01 55.6	-60 46 10	16.0	18.6V	LU TrA	LMXB
4U 1608-522	16 13 31.4	-52 26 55	1.00 - 110.0	21V	QX Nor	LMXB
Sco X-1	16 20 30.9	-15 39 54	14000.0	12.2	V 818 Sco	LMXB
4U 1627+39	16 28 59.9	+39 31 43	4.22	13.9	Abell 2199	C
4U 1626-673	16 33 20.4	-67 28 58	25.0	18.5	KZ TrA	LMXB
4U 1636-536	16 41 45.9	-53 46 16	220.0	17.5	V 801 Ara	B
GX 340+0	16 46 33.8	-45 37 48	500.0			LMXB
GRO J1655-40	16 54 43.7	-39 51 45	1600.0	14.2V	V 1033 Sco	BHC

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Her X-1	16 58 12.5	+35 19 36	15.0 – 50.0	13.0V	HZ Her	LMXB
4U 1704-30	17 02 46.4	-29 57 37	3.45	18.3V	V 2131 Oph	B
GX 339-4	17 03 37.3	-48 48 15	1.50 – 900.0	15.5	V 821 Ara	BHC
4U 1700-377	17 04 39.6	-37 51 29	11.0 – 110.0	6.6	V 884 Sco	HMXB
GX 349+2	17 06 26.8	-36 26 12	825.0	18.6	V 1101 Sco	LMXB
4U 1708-23	17 12 39.1	-23 22 00	33.0	21*		
4U 1722-30	17 28 13.9	-30 48 35	7.56	17	Terzan 2	LMXB
Kepler's SNR	17 31 13.6	-21 29 22	2.95	19	Kepler's SNR	SNR
GX 9+9	17 32 20.4	-16 58 08	300.0	16.8	V 2216 Oph	LMXB
GX 354-0	17 32 38.9	-33 50 23	150.0			B
GX 1+4	17 32 40.9	-24 45 09	100.0	19.0	V 2116 Oph	LMXB
Rapid Burster	17 34 05.0	-33 23 50	0.10 – 200.0	17.5	Liller 1	B
4U 1735-444	17 39 44.2	-44 27 19	160.0	17.5	V 926 Sco	LMXB
1E 1740.7-2942	17 44 43.0	-29 43 39	4.00 – 30.0			BHC
GX 3+1	17 48 35.8	-26 34 01	400.0		V 3893 Sgr	B
4U 1746-37	17 50 55.6	-37 03 17	32.0	8.4*	NGC 6441	LMXB
4U 1755-338	17 59 21.9	-33 48 26	100.0	18.5	V 4134 Sgr	BHC
GX 5-1	18 01 46.8	-25 04 53	1250.0			LMXB
GX 9+1	18 02 08.7	-20 31 37	700.0			LMXB
GX 13+1	18 15 06.9	-17 09 15	350.0			LMXB
GX 17+2	18 16 37.2	-14 01 57	700.0	17.5	NP Ser	LMXB
4U 1820-30	18 24 20.9	-30 21 20	250.0	8.6*	NGC 6624	LMXB
4U 1822-37	18 26 29.7	-37 05 55	10.0 – 25.0	15.9V	V 691 CrA	B
Ser X-1	18 40 28.6	+05 02 47	225.0	19.2*	MM Ser	B
4U 1850-08	18 53 39.4	-08 41 35	7.00	8.9	NGC 6712	LMXB
Aql X-1	19 11 47.7	+00 36 18	0.10 – 1300.0	14.8	V 1333 Aql	LMXB
SS 433	19 12 20.7	+05 00 03	1.11	14.2	SS 433	BHC
GRS 1915+105	19 15 41.4	+10 57 54	300.0		V 1487 Aql	BHC
4U 1916-053	19 19 21.5	-05 12 59	25.0	21V	V 1405 Aql	B
Cyg X-1	19 58 45.4	+35 13 50	235.0 – 1320.0	8.9	V 1357 Cyg	BHC
4U 1957+11	19 59 53.8	+11 44 15	30.0	18.7V	V 1408 Aql	LMXB
Cyg X-3	20 32 48.9	+40 59 30	90.0 – 430.0		V 1521 Cyg	BHC
4U 2127+119	21 30 28.7	+12 12 50	6.00	15.8V	M 15	LMXB
4U 2129+47	21 31 49.3	+47 20 12	9.00	16.9	V1727 Cyg	B
SS Cyg	21 43 07.7	+43 38 04	2.27	12.1V	SS Cyg	T
Cyg X-2	21 45 07.3	+38 22 12	450.0	14.7	V 1341 Cyg	LMXB
Cas A	23 23 50.0	+58 52 13	58.7	19.6	Cassiopeia A	SNR

Notes to Table

- ¹ (2–10) keV flux
² “*” indicates *B* magnitude, otherwise *V* magnitude
“V” indicates variable magnitude

AGN	active galactic nuclei	LMXB	low mass X-ray binary
B	X-ray burster	P	pulsar
BHC	black hole candidate	Q	quasar
C	cluster of galaxies	SNR	supernova remnant
HMXB	high mass X-ray binary	T	transient (nova-like optically)