

Name	Right Ascension	Declination	Flux <sup>1</sup>	Mag. <sup>2</sup>	Identified Counterpart	Type of Source
	h m s	° ' "	mCrab			
Tycho's SNR	00 25 20.0	+64 08 18	9.4		Tycho's SNR	SNR
4U 0037-10	00 41 34.7	-09 21 00	3.1	12.8	Abell 85	C
4U 0053+60	00 56 42.5	+60 43 00	4.8 - 10.6	2.5	Gamma Cas	Be Star
SMC X-1	01 17 05.1	-73 26 36	0.5 - 54.7	13.3	Sanduleak 160	HMXB
2S 0114+650	01 18 02.7	+65 17 30	3.8	11.0	LSI+65 010	HMXB
4U 0115+634	01 18 31.9	+63 44 33	1.9 - 336.0	15.2	V 635 Cas	HMXB
4U 0316+41	03 19 48.0	+41 30 44	50.1	12.5*	Abell 426	C
4U 0352+309	03 55 23.1	+31 02 45	8.6 - 35.5	6.1	X Per	HMXB
4U 0431-12	04 33 36.1	-13 14 43	2.7	15.3*	Abell 496	C
4U 0513-40	05 14 06.6	-40 02 36	5.8	8.1	NGC 1851	LMXB
LMC X-2	05 20 28.7	-71 57 37	8.6 - 42.2	18.5*X		BHC
LMC X-4	05 32 49.6	-66 22 13	2.9 - 57.6	14.0	O7 IV Star	HMXB
Crab Nebula	05 34 31.3	+22 00 53	1000.0		Crab Nebula	SNR+P
A 0538-66	05 35 44.8	-66 50 25	0.01 - 172.8	13.8	Be star	HMXB
A 0535+262	05 38 54.6	+26 18 57	2.9 - 2687.9	9.2	HD 245770	HMXB
LMC X-3	05 38 56.7	-64 05 03	1.6 - 42.2	17.2	B3 V Star	BHC
LMC X-1	05 39 40.1	-69 44 34	2.9 - 24.0	14.5	O8 III Star	BHC
4U 0614+091	06 17 08.0	+09 08 37	48.0	18.8*	V 1055 Ori	BHC
IC 443	06 18 01.4	+22 33 48	3.6		IC 443	SNR
A 0620-00	06 22 44.5	-00 20 44	0.02 - 47998.5	18.2	V 616 Mon	BHC
4U 0726-260	07 28 53.6	-26 06 29	1.2 - 4.5	11.6	LS 437	HMXB
EXO 0748-676	07 48 33.7	-67 45 08	0.1 - 57.6	16.9	UY Vol	B
Pup A	08 24 07.1	-42 59 55	7.9		Pup A	SNR
Vela SNR	08 34 11.4	-45 45 10	9.6		Vela SNR	SNR
GRS 0834-430	08 36 51.4	-43 15 00	28.8 - 288.0	20.4X		HMXB
Vela X-1	09 02 06.9	-40 33 17	1.9 - 1056.0	6.9	GP Vel	HMXB
3A 1102+385	11 04 27.3	+38 12 31	4.4	13.0	MRK 421	Q
Cen X-3	11 21 15.2	-60 37 27	9.6 - 299.5	13.3V	V 779 Cen	HMXB
4U 1145-619	11 48 00.0	-62 12 25	3.8 - 960.0	8.9	V 801 Cen	HMXB
4U 1206+39	12 10 32.6	+39 24 21	4.5	11.9	NGC 4151	AGN
GX 301-2	12 26 37.6	-62 46 13	8.6 - 960.0	10.8V	Wray 977	HMXB
3C 273	12 29 06.7	+02 03 09	2.8	12.5	3C 273	Q
4U 1228+12	12 30 49.4	+12 23 27	22.9	8.6	M 87	AGN
4U 1246-41	12 48 49.3	-41 18 39	5.4		Centaurus Cluster	C
4U 1254-690	12 57 37.7	-69 17 15	24.0	18V	GR Mus	B
4U 1257+28	12 59 35.8	+27 57 44	15.6	10.7	Coma Cluster	C
GX 304-1	13 01 17.1	-61 36 07	0.3 - 192.0	13.4V	V 850 Cen	HMXB
Cen A	13 25 27.6	-43 01 09	8.9	6.8	NGC 5128	Q
Cen X-4	14 58 22.4	-32 01 06	0.1 - 19199.4	18.2*	V 822 Cen	B
SN 1006	15 02 22.2	-41 53 47	2.5		SN 1006	SNR
Cir X-1	15 20 40.9	-57 09 59	4.8 - 2879.9	21.4*	BR Cir	LMXB
4U 1538-522	15 42 23.4	-52 23 10	2.9 - 28.8	16.3	QV Nor	HMXB
4U 1556-605	16 01 01.5	-60 44 26	15.4	18.6V	LU TrA	LMXB
4U 1608-522	16 12 42.8	-52 25 20	1.0 - 105.6		QX Nor	LMXB
Sco X-1	16 19 55.1	-15 38 25	13439.6	11.1	V 818 Sco	LMXB
4U 1627+39	16 28 38.3	+39 33 05	4.1	12.6	Abell 2199	C
4U 1627-673	16 32 16.7	-67 27 40	24.0	18.2V	KZ TrA	LMXB
4U 1636-536	16 40 55.6	-53 45 05	211.2	16.9V	V 801 Ara	B
GX 340+0	16 45 47.9	-45 36 42	480.0			LMXB
GRO J1655-40	16 54 00.2	-39 50 45	3132.0	14.0V	V 1033 Sco	BHC

SELECTED X-RAY SOURCES, J2000.0

H91

Name	Right Ascension	Declination	Flux <sup>1</sup>	Mag. <sup>2</sup>	Identified Counterpart	Type of Source
	h m s	° ' "	mCrab			
Her X-1	16 57 49.8	+35 20 33	14.4 – 48.0	13.8	HZ Her	LMXB
4U 1704-30	17 02 06.3	-29 56 45	3.3	13.0*V	V 2134 Oph	B
GX 339-4	17 02 49.4	-48 47 23	1.4 – 864.0	15.4	V 821 Ara	BHC
4U 1700-377	17 03 56.8	-37 50 39	10.6 – 105.6	6.5	V 884 Sco	HMXB
GX 349+2	17 05 44.5	-36 25 23	792.0	18.3V	V 1101 Sco	LMXB
4U 1722-30	17 27 33.2	-30 48 06	7.3		Terzan 2	LMXB
Kepler's SNR	17 30 35.9	-21 28 55	4.4	19	Kepler's SNR	SNR
GX 9+9	17 31 43.9	-16 57 43	288.0	17.1*	V 2216 Oph	LMXB
GX 354-0	17 31 57.3	-33 49 58	144.0			B
GX 1+4	17 32 02.2	-24 44 44	96.0	18.7V	V 2116 Oph	LMXB
Rapid Burster	17 33 23.6	-33 23 26	0.1 – 192.0		Liller 1	B
4U 1735-444	17 38 58.2	-44 27 00	153.6	17.4V	V 926 Sco	LMXB
1E 1740.7-2942	17 44 02.7	-29 43 25	3.8 – 28.8			BHC
GX 3+1	17 47 56.5	-26 33 50	384.0	14.0V	V 3893 Sgr	B
4U 1746-37	17 50 12.7	-37 03 08	30.7	8.0	NGC 6441	LMXB
4U 1755-338	17 58 40.2	-33 48 25	96.0	18.3V	V 4134 Sgr	BHC
GX 5-1	18 01 07.9	-25 04 54	1200.0			LMXB
GX 9+1	18 01 31.1	-20 31 39	672.0			LMXB
GX 13+1	18 14 30.3	-17 09 28	336.0		V 5512 Sgr	LMXB
GX 17+2	18 16 01.4	-14 02 12	672.0	17.5V	NP Ser	LMXB
4U 1820-30	18 23 40.5	-30 21 42	240.0	9.1	NGC 6624	LMXB
4U 1822-37	18 25 46.9	-37 06 19	9.6 – 24.0	15.8*	V 691 CrA	B
Ser X-1	18 39 57.6	+05 02 11	216.0	19.2*	MM Ser	B
4U 1850-08	18 53 05.1	-08 42 23	6.7	8.7	NGC 6712	LMXB
Aql X-1	19 11 15.6	+00 35 14	0.1 – 1248.0	14.8V	V 1333 Aql	LMXB
SS 433	19 11 49.6	+04 58 58	2.5 – 9.9	13.0	V 1343 Aql	BHC
GRS 1915+105	19 15 11.7	+10 56 46	288.0		V 1487 Aql	BHC
4U 1916-053	19 18 48.0	-05 14 10	24.0	21.4*	V 1405 Aql	B
Cyg X-1	19 58 21.7	+35 12 06	225.6 – 1267.2	8.9	V 1357 Cyg	BHC
4U 1957+11	19 59 24.0	+11 42 30	28.8	18.7V	V 1408 Aql	LMXB
Cyg X-3	20 32 26.1	+40 57 20	86.4 – 412.8		V 1521 Cyg	BHC
4U 2129+12	21 29 58.3	+12 10 03	5.8	6.2	M 15	LMXB
4U 2129+47	21 31 26.2	+47 17 25	8.6	15.6V	V1727 Cyg	B
SS Cyg	21 42 42.8	+43 35 10	3.5 – 19.9	12.1	SS Cyg	T
Cyg X-2	21 44 41.2	+38 19 17	432.0	14.4*	V 1341 Cyg	LMXB
Cas A	23 23 21.4	+58 48 45	56.4		Cassiopeia A	SNR

Notes to Table

- <sup>1</sup> (2-10) keV flux of X-ray source  
<sup>2</sup> V magnitude of optical counterpart  
\* indicates B magnitude given instead of V  
V indicates variable magnitude  
X indicates magnitude is for X-ray source and not optical counterpart

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)