

RA: 00^h 00^m 00^s.00 to 17^h 39^m 59^s.99 (J2000)

	1	2	3	4	5	6	7	8	9
NAME	α (2000)	δ (2000)	l^{II}	b^{II}	Date of last outburst	Previous outbursts	X-ray maximum (Crab)	X-ray bursts	QPO (Hz)
V518 Per (GRO J0422+32)	04 ^h 21 ^m 42 ^s .75 [GR11]	+32° 54' 26".8 [GR11]	165°.9	-11°.9	5/8/1992 [GR7]		3 [GR1]		~0.03 [GR13] ~0.3 [GR9]
V616 Mon (A0620-00)	06 ^h 22 ^m 44 ^s .5 [VM6]	-00° 20' 44" [VM6]	210°.0	-6°.5	3/8/1975 [VM8]	1917 [VM14]	~50 [VM10]		
MM Vel (GRS 1009-45)	10 ^h 13 ^m 36 ^s [MM2]	-45° 04' 35" [MM2]	275°.9	+9.3	12/9/1993 [MM4]	1982 [MM3]	~0.8 [MM4]		
KV UMa (XTE J1118+480)	11 ^h 18 ^m 10 ^s .85 [KV1]	+48° 02' 12".9 [KV1]	157°.7	+62.3	9/1/2005 [KV27]	1927 [KV42]; 2000 [KV2]	~0.1 [KV6]		0.002; 0.06 to 0.16 ^{&}
GU Mus (GRS 1124-68)	11 ^h 26 ^m 26 ^s .62 [GU2]	-68° 40' 32".5 [GU2]	295°.3	-7°.0	8/1/1991 [GU2]		~8 (1-6 keV) [GU7] 2.2 (8-20 keV) [GU9]		0.003 to 0.01; ~6 [GU13;20]
MAXI J1348-630	13 ^h 48 ^m 12 ^s .88 [XM2]	-63° 16' 28".4 [XM2]	309°.3	-1°.1	26/1/2019 [XM1]		~4 [XM5,13]		0.2-1.0; 0.5-18.5; 98.5 [□]
BW Cir (Cen X-2?, GS 1354-64)	13 ^h 50 ^m 09 ^s .6 [BW1]	-64° 44' 05" [BW1]	310°.0	-2°.8	6/2015 [BW11]	1987,1997 [BW1,5] 1967 ? [BW4]	~0.13 [BW1] 0.05 [BW5]		0.02-0.22 [BW6,12,13,15]
V822 Cen (Cen X-4)	14 ^h 58 ^m 21 ^s .9 [CX3]	-31° 40' 07" [CX3]	332°.2	+23°.9	4/1/2021 [CX28]	1969 [CX1]; 1979 [CX3]	~20 (1969) [CX1] ~4 (1979) [CX3]	YES [CX7]	
KY TrA (A1524-62)	15 ^h 28 ^m 16 ^s .97 [KY7]	-61° 52' 57".8 [KY7]	320°.3	-4°.4	27/8/1990 ? [KY3]	1974 [KY1]	0.9 [KY1]		
SWI J1539.2-6227	15 ^h 39 ^m 11 ^s .96 [S13]	-62° 28' 02".3 [S13]	321°.0	-5°.6	24/11/2008 [S11]		~0.3 (from [S11])		0.17 to 8 [S11]
MAXI J1543-564	15 ^h 43 ^m 17 ^s .34 [MX1]	-56° 24' 48".4 [MX1]	325°.1	-1°.1	8/5/2011 [MX7]		~0.2 [MX6]		1-9 [MX4,5,8,9]
IL Lup (4U 1543-47)	15 ^h 47 ^m 08 ^s .5 [AU2]	-47° 40' 09" [AU2]	330°.9	+5°.4	11/6/2021 [AU18]	1971, 1983, 1992, 2002 [AU1,2,5,9]	~2 (var.) [AU7,10,19]		5.6 to 18 [AU10,11]
V381 Nor (XTE J1550-564)	15 ^h 50 ^m 58 ^s .78 [ZT3]	-56° 28' 35".0 [ZT3]	325°.9	-1°.8	24/3/2003 [ZT1]	1998 [ZT1]	6.8 [ZT1]		65, 92, 185, 285 [§] , .08-17 [#] ; ~4000 [†]
QX Nor (4U 1608-52)	16 ^h 12 ^m 42 ^s .9 [QX1]	-52° 25' 23" [QX1]	330°.9	-0°.9	5/8/2016 [QX15]	Rekurs every ~330 days [QX11]	~1.1 (var.) [QX1]	YES [%]	20 to 1100 [*] , (4.2-13.4)·10 ^{-3^} [^]
4U 1630-47 (Nor X-1)	16 ^h 34 ^m 00 ^s .3 [NO2]	-47° 23' 39" [NO2]	336°.9	+0°.3	7-15/6/2018 [NO10]	Rekurs every 600- 730 days [NO1,30]	~0.5 (var.) [NO2]		0.06-15; 40-300 [£]
XTE J1650-500	16 ^h 50 ^m 01 ^s .0 [TW1]	-49° 57' 45" [TW1]	336°.7	-3°.4	5/9/2001 [TW2]		~0.45 [TW6]		1-3; 4-9; 50-170, 250 [§]
XTE J1652-453	16 ^h 52 ^m 20 ^s .33 [XU3]	-45° 20' 40".0 [XS1]	340°.5	-0°.8	28/6/2009 [XU1]		~0.14 [XU2]		
V1033 Sco (GRO J1655-40)	16 ^h 54 ^m 00 ^s .14 [XS1]	-39° 50' 44".9 [XS1]	345°.0	+2°.5	17/2/2005 [XS28]	Several between 1994 and 1997	~1.1 (1994) [XS7] ~4 (1996) [XS15]		0.02-20; 0.1 to 300; 450; ~700 ⁺
MAXI J1659-152	16 ^h 59 ^m 01 ^s .68 [MA8]	-15° 15' 28".7 [MA8]	5°.5	+16°.5	25/9/2010 [MA10]		~0.5 [MA1]		0.2-3.8; 1.6-8.5 [MA1;4,12]
V2107 Oph (H1705-25)	17 ^h 08 ^m 14 ^s .52 [VO9]	-25° 05' 30".2 [VO9]	358°.6	+9°.1	8/8/1977 [VO1]		~3.5 [VO4]		
XTE J1709-267	17 ^h 09 ^m 30 ^s .4 [XT4]	-26° 39' 19".9 [XT4]	357°.5	+7°.9	17/8/2017 [XT15]	Several since 1990 [@]	0.14 (var.) [XT1,6,7]	YES [XT3,5]	
V2293 Oph (GRS 1716-249)	17 ^h 19 ^m 36 ^s .87 [XO3]	-25° 01' 03".4 [XO3]	0°.1	+7°.0	18/12/2016 [XO13]	1993 [XO3]	1.4 [XO4]		0.04-0.3; 0.6-1.6 [■]
XTE J1720-318	17 ^h 19 ^m 59 ^s .00 [WT3]	-31° 45' 01".2 [WT3]	354°.6	+3°.1	9/1/2003 [WT1]		~0.4 [WT1]		
SWI J1728.9-3613	17 ^h 28 ^m 58 ^s .64 [FS1]	-36° 14' 35".3 [FS1]	352°.0	-1°.0	25/1/2019 [FS2]		~0.5 [FS1]		~5.5 [FS1,3]
KS 1730-312	17 ^h 33 ^m 28 ^s [KS2]	-31° 12' 57" [KS2]	356°.6	+1°.0	23/9/1994 [KS1]		0.5 [KS1]		
4U 1730-22	17 ^h 33 ^m 57 ^s .5 [CU3]	-22° 01' 56" [CU3]	4°.5	+5°.9	7/6/2021 [CU4]	1972 [CU1] (Fig. 1b)	0.1 [CU1,6]	YES [@]	(4.5-8.1)·10 ⁻³ [CU12]
3U 1735-28	17 ^h 38 ^m 34 ^s [DU1]	-28° 28' 41" [DU1]	359°.6	+1°.6	11/3/1971 [DU3]		~0.4 [DU1]		

*: [QX9,18,25,37]

^: [QX21,41]

§: [ZT19,22,1,2]

#: [ZT5,29,37,41]

§: [TW5,6;10;13]

£: [NO14,15,16,21,29,40,44;20]

&: [KV30;KV3,4,39]

+: [XS40,48;15;20;29]

†: [ZT30,36]

@: [XT1;4;7;8;6;11;12;16]

■: [XO8;15,19]

□: [XM4,5,27,45,47;12,14,16,19,20,21,27,30,31,32,49;47]

%: [QX2,39,42,GCH]

@: [CU7,8,9,11]

	10	11	12	13	14	15	16	17	18	19
NAME	L_X (erg s ⁻¹) at maximum	V_{\max}	L_X/L_{opt} at maximum	Radio emission	Outburst X-ray spectrum	Outburst optical spectrum	$E(B-V)$	d (kpc)	$ z $ (pc)	M_V^{\max}
V518 Per (GRO J0422+32)	$\sim 3 \cdot 10^{37}$	12.6 [GR16]	≈ 44 [GR3]	YES [GR12]	[GR10]	[GR12]	0.4 [GR3] 0.3 [GR21]	1.39; 2; 2.49 [GR6;3;23]	200 ÷ 500	+0.5 [GR3]
V616 Mon (A0620-00)	$\sim 1.3 \cdot 10^{38}$	11.2 [VM9]	~ 2000 [VM9]	YES [▼]	[VM7]	[VM9, VM11]	0.4 [VM9]	0.4; 0.87; 1.06; 1.16; 1.6 [♠]	70 [WEA]	+0.7 [CX9]
MM Vel (GRS 1009-45)	$\sim 2 \cdot 10^{37} \cdot d_3^2$	≈ 13.85 [MM5]	≈ 500 (from [MM3])		[XO7]	[MM3]	0.2 [MM3]	1.5 - 4.5; 9 [MM3;10]	200 to 1400	0 ÷ +2.5 [MM3] or -1.5
KV Uma (XTE J1118+480)	$\sim 2 \cdot 10^{35}$ [KV19]	~ 13 (var.) [KV1,21]	~ 5 [KV1]	YES [KV5]	[KV14,19, 33,35,39,41]	[KV10, 20,22]	0.024; 0.05; 0.022 [*]	≈ 0.83 ; 1.71; 1.8; 1.9; 1.4 [^]	700 to 1700	$\approx +1.5$ or $\approx +3.5$
GU Mus (GRS 1124-68)	$\sim 10^{39} \cdot d_8^2$	≈ 13.3 [GU2]	≥ 100 [GU2]	YES [GU8]	[GU7, 10,15]	[GU2, GU16]	0.3 [GU2]	~ 5.5 ; ~ 8 ; 5.1; 4.95; 2.3 ^{&}	~ 600	≈ -1
MAXI J1348-630	$1.9 \cdot 10^{39} \cdot d_5^2$ [XM5]			YES [▲]	◇	[XM26]		5-10; ≈ 4 ; 2.2; 3.4 [◊]	40 to 200	
BW Cir (Cen X-2?, GS 1354-64)	$\sim 4 \cdot 10^{37} \cdot d_{10}^2$	16.92 [BW1]	~ 300	YES [BW7,17]	[BW6,13, 14,15]		~ 1 [BW1,12]	≥ 25 ; 7.1; ~ 0.6 [*]	> 1200 [BW3]	< -3.2
V822 Cen (Cen X-4)	$\sim 5 \cdot 10^{37}$	12.8 [CX3]	300 [CX12]	YES [QZ5]	[CX11]	[CX3]	0.1 [CX4]	1.2; 1.4-1.8; 1.87; 2.1 [△]	~ 400	+1.5 [CX9]
KY TrA (A1524-62)	$\sim 5 \cdot 10^{37}$	17.5 (B) [KY2]	≤ 200 [KY2]				0.7 [KY4]	4.4 [KY4]	350 [WEA]	$> +1 \div +2$ (B) [KY2]
SWI J1539.2-6227	$\sim 8 \cdot 10^{37} \cdot d_{8.5}^2$	17.96 (UV) [SI1]			[SI1]					
MAXI J1543-564	$\sim 5 \cdot 10^{37} \cdot d_{10}^2$	~ 20.7 (z') [MX2]	$\sim 9 \cdot 10^5$	YES [MX3]	[MX9]			> 8.5 [MX6]	> 160	$< +6.1$
IL Lup (4U 1543-47)	$\sim 4 \cdot 10^{38}$	14.29 [AU20]	~ 1700	YES [AU10,21]	[AU2,4,10, 17,JMM]	[AU3]	0.5 [AU8]	9.1 [AU8]	850	≈ 0
V381 Nor (XTE J1550-564)	$\sim 7 \cdot 10^{38} \cdot d_6^2$	16.6 [ZT3]	~ 450 [ZT3] ~ 2200 [ZT4]	YES [ZT6,38]	%	[ZT4]	1.6 [ZT3] 0.7 [ZT4]	6; ≈ 2.5 ; 4.1; 4.38 ⁺	200 [ZT3]	-2.5 ÷ +2.5
QX Nor (4U 1608-52)	$\sim 3 \cdot 10^{37}$	20.07 [QX16]	≤ 200 [QX1]		■		1.5 [JVP;QX29]	≤ 3 ; ~ 3.6 ; 5.8 [QX2;13;29]	50÷90	$\approx +1.6 \div +2.5$
4U 1630-47 (Nor X-1)	$\sim 3 \cdot 10^{38} \cdot d_{10}^2$ [NO2]	16.1 (K) [NO18]	< 500 (NIR)	YES [NO11]	£	[NO12]	~ 15 [NO15] 2 - 20 [NO3]	~ 10 [NO2] < 11 [NO18]	~ 50	-2.3 ÷ +0.4 [NO18]
XTE J1650-500	$\sim 8 \cdot 10^{36}$ [TW19]	~ 17 (B) [TW1]	~ 60	YES [TW3,18]	@		1.5 [TW4]	3 [TW18] 2.6 [TW19]	~ 200	≈ -1.5 (B)
XTE J1652-453	$\sim 1 \cdot 10^{37} \cdot d_8^2$			YES [XU3]				8 (assumed)	~ 110	
V1033 Sco (GRO J1655-40)	$\sim 2 \cdot 10^{38}$ [XS15]	14.0 [XS1] (Fig. 3)	≈ 150	YES [XS4,5]	§	[XS1, 10,19]	1.15 [XS1] 1.0 [XS21]	3.2; < 1.7 ; 3.3 [XS5;31;RMA]	120 or < 75	≈ -2 [XS1]
MAXI J1659-152	$7.8 \cdot 10^{37} \cdot d_{7.6}^2$	~ 16.3 [MA6]	~ 4500	YES [MA5,11,17]	[MA1,12, 19,22]		0.34 [MA7,13]	> 6.1 ; 7.6; > 4 ; 6; 8.6 [†]	~ 1800 ; ~ 2400 [‡]	-1.9
V2107 Oph (H1705-25)	$\sim 3 \cdot 10^{38} \cdot d_6^2$	16.5 (B) [VO1]	~ 100 [VO1]		[VO5]	[VO1]	~ 0.5 [VO1]	~ 3 [VO1] ~ 6 [VO3]	~ 700	$\approx +0.5$ (B)
XTE J1709-267	$\sim 4 \cdot 10^{37} \cdot d_{10}^2$	17.9 [XT13]	≈ 40000	unlikely [XT2,3]	[XT8,14]		~ 0.4 (from [XT3])	8.8 [XT5]	~ 1200	$\approx +2.0$
V2293 Oph (GRS 1716-249)	$\sim 2 \cdot 10^{37}$	≈ 16.3 [XO3]	≈ 1400 [XO3]	YES [XO3,14]	□	[XO3]	0.9 [XO3]	2 - 2.8 [XO3] 4 - 8 [XO20]	~ 300 ; ~ 700	+1.5
XTE J1720-318	$\sim 10^{39}$ [WT4]	16.71 (J) [WT3]	few × 100 (NIR) [WT3]	YES [WT2]	[WT5]		~ 2.5 [WT3]	3 - 10 [WT6]	160 ÷ 550	-0.5 ÷ +2.2 (J)
SWI J1728.9-3613	$\sim 1.4 \cdot 10^{38} \cdot d_{10}^2$	~ 18.0 (K _s) [FS6]		YES [FS4]	[FS1,7,8]			8.4 [FS6]	~ 150	$\sim +3.4$ (K _s)
KS 1730-312	$\sim 2.2 \cdot 10^{38}$ [KS2]				[KS1,2]		~ 12 (from [KS1])	8.5 (assumed) [KS1]	~ 250	
4U 1730-22	$3 \cdot 10^{37} \cdot d_{10}^2$ [CU3]	19.48 (r ⁺) [CU5]			[CU8,9,10, 11]			~ 10 ; 6.9; 7.5 [CU8;9;11]	~ 700 ; ~ 1000	+4.5 ÷ +5.3 (r ⁺)
3U 1735-28	$\sim 4 \cdot 10^{37}$							6.3 [WEA]	180 [WEA]	

^: [KV10;25;13;15;29]

*: [KV7;10;31]

&: [BW17,GU3;5;23;30;RMA]

§: [VM21;12;24;5;RMA]

◇: [XM5,13,14,19,20,21,22,23,24,30,32,44,48,49,CRB]

+: [ZT1;4;31;32]

‰: [ZT1,8,16,23,25,27,28,37,39,40,41,JMM]

@: [TW7,8,15,16,22,23,24,25,26,JMM]

†: [MA1;2;13;14;3]

‡: [MA1;3]

§: [XS4,16,25,26,27,30,32,33,34,37,39,40,42,44,45,46,47,48,RG8,JMM]

£: [NO2,3,13,16,21,22,26,27,28,30,31,32,33,34,35,36,37,41,42,43,45,46,RG8]

○: [XM5;13;15;17]

▲: [XM3,18,19,29]

△: [CX5;29;30;RMA]

■: [QX6,13,24,28,30,31,35,36,39,42]

□: [XO7,11,12,14,16,17,18,19]

●: [BW3;17;GRJ]

▼: [VM1,9,30,33]

	20	21	22	23	24	25	26	27	28	29
NAME	P_{sh} (hr)	Dips and/or eclipses	Short-term periods or oscillations	e -fold decay time in X-rays (days)	dI/dt (mag d^{-1})	Times of secondary maxima (days)	Mini-outbursts	Decline X-ray spectrum	Decline optical spectrum	V_{min}
V518 Per (GRO J0422+32)	5.18 [GR5]	dips [GR5]	flares [ZCS]	44 [GR9]	0.0085 [GR3]	every ~120 [GR3]	YES [GR3,19]	[GR15]	[GR1]	~22 [GR8]
V616 Mon (A0620-00)	8.14 ? [VM16]		[VM27,29,31]; flares ■	28.9 [VM2]	~0.015 [VM9]	~60, ~180 [VM9] (Fig. 2)		[VM18]	[VM9, VM11]	~18.3 [AA1]
MM Vel (GRS 1009-45)	4.79 [MM5]		[MM1]	~10 [MM4,MM5]	0.0147 [MM5]	~30 (X) [MM7], ~90 [£] , ~170 [MM1]	YES [MM1]	[MM8]	[MM1, MM5]	21.2 (R) [MM7]
KV UMa (XTE J1118+480)	4.09 [†]	eclipse [KV15]	[KV1,9]; flares&	2.8 [KV1] ~80 [TLH]	0.003 [KV16]	~35 (from [KV35])	? [KV8,21]	[KV23,39]	[KV10, 20]	19.02 [KV21]
GU Mus (GRS 1124-68)	10.54 [GU1]		flares [VM19]	31.2 [GU7]	0.024 [GU2]	~80 [GU7,GU16] ~200 [GU15,GU16]		[GU7,10, 15]	[GU16]	~20.5 [GU6]
MAXI J1348-630				~30 (from [XM5])		~110 (from [XM13])	[XM6-11, 31,45]		[XM26]	
BW Cir (Cen X-2?, GS 1354-64)				~66 [BW1] ~140 [TLH]	0.019 (see [BW12])	~45 (opt., [BW12])		[BW1,16, LEA]	[BW2]	21-22 [BW12]
V822 Cen (Cen X-4)			ms pulsar; flares [‡]	≈3 [CX6]	0.12 [CX3]	~5, ~11 [CX3] (Fig. 2)		[CX7] [CX23,25] [@]		~18.5 [CX5]
KY TrA (A1524-62)				52 [KY2]	0.0085 [KY2]			[KY5] (quiesc.)		23.6 [KY7]
SWI J1539.2-6227				≈30 [SI1]	~0.016 [SI1]	~100, ~150 (from [SI1])		[SI1]		19.6 (g') [L JT]
MAXI J1543-564			flares [MX6]	~43 [MX6,10]		~50 [MX6]				21.8 (K _s) [LJT]
IL Lup (4U 1543-47)				13 [AU10], ~50-70 [●]	~0.040 (NIR) [AU]	~20, ~80 [AU7] ~45 [AU7,12]	[AU22,23]	[AU10,13, 24,27,28]	[AU25]	16.6 [AU8]
V381 Nor (XTE J1550-564)		dips [ZT9]	in X at max. [ZT7]	11 [ZT20] ~60 [TLH]	variable [ZT9]	~30, ~45 (X) [ZT1] (Fig. 1)	YES [*]	▼		~22 [ZT17]
QX Nor (4U 1608-52)	13.3 ? [QX23]		[QX10]; ms psr [QX19]	~10, ~70; 38 [QX7;11]		~30, ~70 (X) [QX17] (Fig. 1)	superbursts [QX26,27]	△		22.3 (R) [QX23]
4U 1630-47 (Nor X-1)		dips [NO8]	in X at max. [NO2]	~50 [NO2] 14.4 [NO16]		~90 [NO16]		▲		
XTE J1650-500			flares [TW9]	~93 [TLH]		~30, ~80 (X) [TW13] (Fig. 1)		[TW14,16, 22,23,25,26]		~24 [TW11]
XTE J1652-453				~20 [XU4] (Fig. 1)				[XU4,6,7]		
V1033 Sco (GRO J1655-40)		eclipses [XS1,2]	occasional dips [NO9]	~35 [XS11]	≈0.016 [GR18,XS11]	every ~120 (X) [§] ~80, ~320 (opt) [§]		[XS14,16, 34,38,40,43]	[XS2,10,19]	17.3 [XS1]
MAXI J1659-152		dips [MA1,3]		~28; ~7; ~61 [MA12;3;TLH]	~0.045 [MA1]		YES [□]	[MA12,19]		24.2 (r') [MA21]
V2107 Oph (H1705-25)				~60 - 90 [VO4]		~30 (X) [VO6]		[VO6]		~21.5 [VO3]
XTE J1709-267				~40, then ~4; ~15%				[XT4,10]		22.24 (R) [XT5]
V2293 Oph (GRS 1716-249)	14.7 [XO6]		[XO6]	≈300 [XO4] 210 [XO9]	≥0.0082 [XO6]	~50 (X) ⁺ , ~330 (X) ⁺ , ~500, 600, 700 (X) [#]	YES [XO5,6,11]	○	[XO6]	~21.4 (i')
XTE J1720-318				60 [WT5]		50, 90 (X) [WT3,5]		[WT5]		
SWI J1728.9-3613				~25 (from [FS7], Fig. 1)				[FS1]		~18.7 (K _s) [FS6]
KS 1730-312										
4U 1730-22				≈30 [CU1]		~40 (X, probable) [CU1] (Fig. 1b)		[CU10; CU3 (qsc.)]		>22.1 (R) [CU3]
3U 1735-28								[DU2] (quiesc.)		

^: [XO8] (Fig. 1)

§: from [GR18], Fig. 9

+: [XO1]

#: [XO2,5,6,11]

£: [MM5,7]

§: [XS9]

*: [ZT11,12,14,15,21]

†: [KV13,16,22]

‡: [CX14;ZCS]

&: [KV29]

‰: [XT4] (Fig. 5); [XT10] (Fig. 1)

@: (quiesc.)

■: [VM19]

●: [MYI,TLH]

▲: [NO2,6,13,21-26,28,31,33,34,35,36,37]

△: [QX4,5,24,28,31,33,34,35,40]

○: [XO9,11,12,14,15,16,17,18,19,21]

◇: [XM5,13,14,20,22,24,28,31,32,33,45,46,CRB]

□: [MA11,16,21]

▼: [ZT1,8,16,27,28,34,35,37,41]

	30	31	32	33	34	35	36	37	38	39
NAME	Δm (V)	M_V^{min}	L_X (erg s ⁻¹) at quiescence	P_{orb} (hr)	f/M_1 (M_\odot)	i (°)	q	M_1 (M_\odot)	M_2 (M_\odot)	a (R_\odot)
V518 Per (GRO J0422+32)	~9.5	~+10 [GR17]	7.6·10 ³⁰ [MRG]	5.09 [GR3,5,8]	1.21 [GR4]	41; 13-31; 45; <30; 56*	0.109; 0.043 [GR4;24]	3.57; ≥9; 3.97; >10.4; 2.7 [▲]	0.39; 0.46; 0.33 [●]	2.37; 2.45 ⁺
V616 Mon (A0620-00)	~7.1	+8.0 [VM12]	2.2·10 ³⁰ [AHK]	7.75 [VM13,26,27]	3.18; 3.10; 3.15 ^{&}	40.8; 51.0; 54.1 [%]	0.067; 0.060; 0.062; 0.039 [■]	11; 9.7; 6.61; 5.8; 6.5 [■]	.68; .40; .34; .26 [◇]	4.47; 3.8 [%]
MM Vel (GRS 1009-45)	>8 [MM5]	+5.9 to +9.8 (R)	<8.9·10 ³⁰ [MM9]	6.84 [MM7]	3.17 [MM7]	37 - 80; 58 [▽]	0.137 [MM7;GGH]	3.6 - 4.7; 5.3 [MM7;GGH]	0.5 - 0.65 [MM7]	~4
KV UMa (XTE J1118+480)	~5.7 [KV21]	+7.6 or +9.6	~4·10 ³⁰ [KV24,37]	4.08 [KV13] 4.06 [KV15]	6.0; 6.1; 6.3 [†]	81; 71 - 82; <63;80;68 ^S	(5; 3.7; 2.7; 2.4; 1.4)·10 ⁻² @	6.0-7.7; >9.5; 7.1; 8.5; 6.9-8.2 [‡]	0.4; 0.1 [KV13; 40]	2.7 [KV15]
GU Mus (GRS 1124-68)	~7.2 (from [GU6])	~+6 [GU3]	4·10 ³¹ [GU25]	10.38 [GU3]	3.01; 3.34; 3.02 [▲]	54; 43.2 [◆]	0.133; 0.128; 0.108; 0.079 [^]	5.9; 7.2; 6.95; 11.0 [▽]	0.8- 0.93 [£]	4.5- 5.5 [£]
MAXI J1348-630			7.5·10 ³⁰ [XM29]			36.5; 65; 25-35 [▼]		9.1; ≈7; 8.7; 14.8 [▲]		
BW Cir (Cen X-2?, GS 1354-64)	~4.5	< +1.5	≈10 ³⁴ [BW10]	61.07 [BW3]	5.73 [BW3]	≤79 [BW3] 75 [BW14]	0.12 [BW3]	>7.6 [BW3]	>0.9	~16
V822 Cen (Cen X-4)	~6 [CX5]	~+8 [CX2]	≈10 ³² (var.) [*]	15.1 [CX5]	0.22 [CX16] 0.20 [CX18]	≈35-40; 32; 34.9 [▼]	0.17; 0.18; 0.20; 0.1755 [◆]	~1.4; 1.5; 1.14; 1.94 [◆]	0.31;0.23; 0.34 [▼]	3.6; 4.1 [△]
KY TrA (A1524-62)	~6.1 [KY7]	> +6 (B) [KY2]	<2·10 ³² [KY6]	≈8 [KY7]				≈9 [KY7]		
SWI J1539.2-6227										
MAXI J1543-564				~12.5 [MX10]			~0.05	13.0 [MX9]	~0.66 [MX10]	
IL Lup (4U 1543-47)	1.8 [AU6]	≈ +2	<3·10 ³¹ [MRG]	26.95 [AU8] 13.3 [KSB]	0.22 [AU8]	24-36; 32-40 [AU8;24]	< 1 [AU8]	2.7 - 7.5 [AU8]	2.3 - 2.6 [AU8]	~9
V381 Nor (XTE J1550-564)	~5.4	+2.9 ÷ +7.9	2·10 ³² [AH17]	37.01 [ZT32]	7.65 [ZT32]	74.7 [ZT32]	≈0.033 [ZT32]	9.1; ~10; 3; 12.8 [*]	0.3 [ZT32]	11.85 [ZT32]
QX Nor (4U 1608-52)	>3 (R) [QX16]	> +5 (R)	8.3·10 ³² [QX12]	98.4 ?; 124.6 ?; 5; 12.89 ^S		~60 [QX8]		~1.4; 1.74; 2.0; 2.15-2.6 [◇]		
4U 1630-47 (Nor X-1)			<2·10 ³² [NO6]	11 - ~700 [NO18]		60-75 [NO9] <75 [NO26]		~10; 3-9; 4 [*]		
XTE J1650-500	~7	≈ +7; > +5.4 (K _s) [LJT]	3·10 ³⁰ [TW20]	7.63 [TW17] 5.09 [TW12]	2.73 [TW17] 0.64 [TW12]	>50 [TW17]	0.026 [JCA]	<7.3; 8.2; 5.1 [TW17;13;21]	<0.73	~3.9
XTE J1652-453						8.8 [XU4] <32 [XU7]				
V1033 Sco (GRO J1655-40)	3.3 [XS4]	≈ +1 (from [XS1])	2.4·10 ³¹ [XS11]	62.9 [XS8,KSB]	3.24 [XS12] 2.73 [XS13]	70.2; 68.7 [XS8;21]	0.38; 0.26; 0.42; 0.33 [#]	6.3; 5.4; 6.6; 5.3; 8.5 [#]	2.4; 1.45; 2.8 [#]	15.2 to 16.9
MAXI J1659-152	~7	≈ +8 (r')	1.2·10 ³¹ ·d ₆ ² [MA16]	2.41 [MA1,3,21]	4.4 [MA23]	60-80 [MA1,3;23]	<0.065; 0.02-0.07 [●]	3.3-8.0; >3.2; 20; 6; <8.1; 4 [▲]	0.2-0.3 [MA1,3]	>1.33 [MA3]
V2107 Oph (H1705-25)	~5.2 (from [VO3])	≈ +6	~9.1·10 ³⁰ [VO9]	12.6 [VO2,VO3]	4.86 [VO2]	60 - 80 [VO3]	0.014 [VO8]	5.0 - 7.4 [VO8]	0.07 - 0.1 [VO8]	~5
XTE J1709-267	~1.7 (R) (from [XT5])	≈ +6 (R) [XT5]	9·10 ³² [XT5]	ultra short? [XT4]				1.7 - 1.8 [XT4]		
V2293 Oph (GRS 1716-249)	~5 (i'; from [XO20])	~+8	<1.8·10 ³⁶ [RG9]			40-50 [XO16]		>4.9; <8.0; 5.0 [XO6;16;19,21]		
XTE J1720-318										
SWI J1728.9-3613	~0.7 (K _s) [FS6]	~+4.1 (K _s)						~4.6 [FS1]		
KS 1730-312			<2.8·10 ³⁶ [RG9]							
4U 1730-22			2·10 ³³ ·d ₁₀ ² [CU3]							
3U 1735-28										

*: [GR2;20;23;24;25]

§: [QX7;22;23]

^: [GU14;18;23;28,30]

#: [XS8;21;28;36;41;RCH]

§: [KV15;16,40;22;28;31]

£: [GU19,21,30]

+ : [GR4;23]

†: [KV13;15;26]

‡: [KV15,39;22;28;31;36,40]

♣: [GR4;20;23;24;25]

♣: [CX16;18,27;19;24]

◆: [CX2;18,27,VC28;CX19;24]

♥: [CX18;19]

@: [KV15;17;32;34;40]

%: [VM5;24;28]

□: [MM6;GGH]

●: [CX15,17,21,22,23,25,26]

▲: [MA12,23;1;2;9,20;18;BRCJ]

▼: [CX2,24;VC28;CX27]

△: [CX18;24]

▽: [GU4;21;23;30]

❖: [GU19,21,23;30]

♣: [GU3;18;28,30]

⌘: [VM5;22;24;28;29]

◇: [VM5;24;29]

◇: [QX8;29;32,38;36]

●: [MA1,3;23]

◆: [NO26;36;BRCJ]

●: [GR4;23;25]

✖: [ZT32;8;BRCJ;RCH]

&: [VM13;23;26]

■: [VM3,5;23,28;26,32;29]

●: [XM5;13;28;32]

●: [XM28;32;44]

	40	41	42	43	44	45	46	47
NAME	$R_{L1} (R_{\odot})$	$R_{L2} (R_{\odot})$	Secondary spectral type	Lithium on the secondary	Systemic γ velocity (km s ⁻¹)	Corrected γ velocity (km s ⁻¹)	Comments and notes	Result
V518 Per (GRO J0422+32)	1.1	0.5 [GR4;23]	M1 V; M2 V; M 4-5 V [£]	YES? [GR4]	+9.2 [GR4]		Hard X-ray spectrum [GR1], e ⁻ e ⁺ annih. line? [GR13], fading episode [GR14], jets? [GR22]	BH
V616 Mon (A0620-00)	1.7 - 2.0	0.7 - 0.8	K4 V; K5-K7 V; K2 V [△]	YES [VM3]	+8.5 [VM26]	-15 [XS3]	Jets? [VM20,30], 7 ^d .8 periodicity? [VM4], slow-spin BH [VM25]; short (0.5-5 ms) flashes [VM17]	BH
MM Vel (GRS 1009-45)	1.7	0.9	K6-M0 V [MM7]; M3 [GGH]		+30.1 [MM7]		Long (~1 month) plateau in X-ray lightcurve [MM4]; next to a G star [MM5]; jets? [MM11]	BH
KV UMa (XTE J1118+480)	~1.3	0.46 [KV15]	K7-M0 V; K7 V; K5 V [@]		+2.7 [KV32]		Jets? [KV11,21,25]; plateau in X and opt. [KV4,18]; precessing disk [KV26,38,40]	BH!
GU Mus (GRS 1124-68)	~2	~1	K3-K4 V [GU18]	YES [GU17]	+16;+19.5; +14.2 [^]	+26 [XS3]	e ⁻ e ⁺ annih. line [▼] ; jets? [‡] ; X-ray flares in quiesc. ■; X-ray dip 10d post burst [†] ; spinning BH [‡]	BH
MAXI J1348-630							Radio jets [XM18,25]; disk winds [XM26]; X-ray sp. lines & pol. [XM22,CRB]; BH spin [XM23,28,33,48]	BH?
BW Cir (Cen X-2?, GS 1354-64)	~7	~3.5	G0 - G5 III [BW9]			+102.0 [BW3]	Spinning BH [BW14,16]; jets? [BW7]; hard X-ray spectr. [BW6]; Cen X-2? [JVP,BW3]	BH!
V822 Cen (Cen X-4)	1.6	1.0 [CX24]	K7 V; K3 - K5 V; K5 - M1 V [★]	YES [CX10]	+181;+190; +195 ⁺	+184 [CX16]	Peculiar low-mass secondary [CX2,5], 8 ^h .2 period in X-rays? [CX6,8]; X-ray flares in quiescence [♦]	NS
KY TrA (A1524-62)							Long (~1 month) X-ray pre-maximum, hard X-ray spectrum [KY1]; 1 ^{''} .4 NW of an interloper [KY7]	BH?
SWI J1539.2-6227							Double-peaked X-ray maximum [SI1]; optical spectrum with no emissions [SI2]	BH?
MAXI J1543-564								BH?
IL Lup (4U 1543-47)	~4	~3	A2 V [AU8]		-87 [AU8]		Iron K _α emission line [AU4,10,28]; jets? [AU12]; spinning BH [AU14,15,17,26,28,JMM,DEA]	BH
V381 Nor (XTE J1550-564)	5.4	1.7	K3 III [ZT17]; magnetic? [ZT20]		-68 [ZT17]		Slow rise, spike, plateaus, local min., Fe line [▲] ; jets [▼] ; X-ray orb. modul. [ZT10]; BH spins [JMM]	BH!
QX Nor (4U 1608-52)			K V ?; G0 V ?; evolved F-G ? [§]				Bimodal outbursts [QX7]; optical LIS [QX23]; Fe line [QX5,40]; atoll [QX3]; sideband kHz QPO [•]	NS
4U 1630-47 (Nor X-1)			early? [NO17,18]				Fe lines [•] , jets? [NO5,11], X-flares [NO19], BH spin [NO24,32,39,42], var. outbursts [NO7,30,38]	BH?
XTE J1650-500	~1.8	~0.8	K4 V; G-K; M0 V or later [○]				X-ray abs. lines [TW7]; Fe em. line [⊙] ; jets? [TW10]; 14.2-d X-ray aperiodic var. [TW9]; spinning BH [⊙]	BH
XTE J1652-453							Uncertain optical counterpart [XU5]; X-ray light curve plateau, Fe em. line, spinning BH? [XU4,7]	BH?
V1033 Sco (GRO J1655-40)	6.5 to 6.9	4.2 to 5.2	F3-F5 IV; F6 III; F5-G0 V-IV; F6 IV [*]	YES? [XS13,35]	-142.4; -167.1 [§]	-114 [XS3]	X-ray peaks [XS1]; BH spins [XS16,49,JMM]; Fe em. [XS17,18] & abs. lines [XS22,24]; radio jets [#]	BH
MAXI J1659-152			M5 V ? [MA1,3] M2-5 V [MA9,21]				3d X-ray mod. in decay [MA3]; opt. var. in quiesc. [MA9]; jets? [MA5]; BH counterspins [MA22]	BH?
V2107 Oph (H1705-25)	~2.5	~1	K5 V [VO8]		-54 [VO8]	+38 (?) [XS3]	Double-peaked X-ray maximum [VO4]; 152 ^h long term periodicity? [VO7]	BH
XTE J1709-267			K dwarf [XT5]				Fe em. line [XT14]; hard X-ray spectrum [XT1]; in NGC 6293? [XT4,5]; 2-3 yr recurrence? [XT7]	NS
V2293 Oph (GRS 1716-249)			M0-M5 V [XO10] late K ? [XO3]				Hard X-ray outburst [XO7]; evolved secondary? [XO6,10]; multiple X max. [◇] ; spinning BH [⊙]	BH?
XTE J1720-318			late B - early G V [WT6]					BH?
SWI J1728.9-3613							In a radio supernova remnant [FS6]; spinning BH [FS7,8]	BH?
KS 1730-312							Unknown optical counterpart	BH?
4U 1730-22							Unknown optical counterpart	NS
3U 1735-28							Unknown optical counterpart	BH?

^: [GU3;18;28]

*: [XS12;13;21;31]

#: [XS5,6]

§: [QX7;14;23]

£: [GR23;2,4;6]

\$: [XS12;36]

+: [CX16;19;24]

@: [KV15;31;32]

♥: [GU11,12]

♦: [CX20,23,GU26]

♣: [CX5;16;VC28]

♠: [QX20]

⊙: [TW8,16,24]

▼: [ZT13,24,33]

▲: [ZT1,7,9,38]

□: [GU24]

■: [GU26]

†: [GU9]

‡: [GU27,30]

•: [NO12,22,24,32,33,34]

○: [TW17;12;LJT]

⌘: [XO16]

◇: [XO11]

△: [VM5;22;32]

◇: [TW24,JMM]

RA: 17^h 40^m 00^s.00 to 23^h 29^m 59^s.99 (J2000)

	1	2	3	4	5	6	7	8	9
NAME	α (2000)	δ (2000)	l^{II}	b^{II}	Date of last outburst	Previous outbursts	X-ray maximum (Crab)	X-ray bursts	QPO (Hz)
GRS 1737-31	17 ^h 40 ^m 04 ^s [RR1]	-31° 00' 04" [RR1]	357°.6	+0°.0	17-20/2/1997 [RR2]		~0.1 [RR3]		
GRS 1739-278	17 ^h 42 ^m 40 ^s .03 [RG4]	-27° 44' 52".7 [RG4]	0°.7	+1°.2	7-18/9/2016 [RG15]	1995,2014 [RG1,12]	~1 (var.) [RG7,13]		0.3-0.7; 5; 3-5 [■]
SWI J1745-26	17 ^h 45 ^m 10 ^s .82 [IS1]	-26° 24' 12".7 [IS1]	2°.1	+1°.4	16/9/2012 [IS2]		~1.2 [IS10]		0.25-2.5 [IS4,7,13]
A1742-289	17 ^h 45 ^m 36 ^s .9 [AA1]	-29° 01' 07" [AA1]	359°.9	+0°.0	15/2/1975 [AA2] (Fig. 1)		~1.8 [AA2]	YES ? [AA5,6]	
IGR J17464-3213 (1H 1741-322)	17 ^h 46 ^m 15 ^s .608 [AH6]	-32° 14' 00".6 [AH6]	357°.1	-1°.6	2/9/2018 [AH52]	'77,'03-'05,'07-' '11,'13-'17 ⁺	~0.7 (var.) [AH1,9]		~0.1; .05; .6-15; 165; 240; 1-.6*
XTE J748-288	17 ^h 48 ^m 05 ^s .06 [TX2]	-28° 28' 25".8 [TX2]	0°.7	-0°.2	4/6/1998 [TX1]		~0.7 [TX5]		0.5; 20-30 [TX5]
XTE J1748-361 (A1744-361)	17 ^h 48 ^m 13 ^s .13 [BA2]	-36° 07' 58".2 [BA2]	354°.1	-4°.2	29/5/2022 [BA17]	1976, '89, 2003,'04, '05,'08,'09,'10,'13 [§]	0.25 (var.) [BA1,4,6,7]	YES [£]	2-4; 800?; ~8 [BA10;20]
SAX J1748.9-2021 (MX 1746-20)	17 ^h 48 ^m 52 ^s .16 [GC8]	-20° 21' 32".4 [GC8]	7°.7	+3°.8	13/11/2021 [GC25]	'71,'98,'01,'05,'09, '15 [○]	~0.15 (var.) [GC2,4,5]	YES [●]	760-790 [GC14]
IGR J17497-2821	17 ^h 49 ^m 38 ^s .04 [IG1]	-28° 21' 17".4 [IG1]	1°.0	-0°.5	17/9/2006 [IG3]		~0.1 [IG1] (Fig. 1a)		
SLX 1746-331	17 ^h 49 ^m 49 ^s .0 [SL5]	-33° 12' 14".9 [SL5]	356°.8	-3°.0	7/3/2023 [SL9]	1985; 1990?; 2003; 2007; 2010 [%]	~0.2 [SL1,5]		
XTE J1752-223	17 ^h 52 ^m 15 ^s .09 [UX2]	-22° 20' 32".4 [UX2]	6°.4	+2°.1	23/10/2009 [UX3]		~1.1 [UX3] (Fig. 2)		2.2-6.2 [UX3,18]
SWI J1753.5-0127	17 ^h 53 ^m 28 ^s .3 [SW2]	-01° 27' 06" [SW2]	24°.9	12°.2	28/9/2023 [SW38]	2005; 2017 [SW1;31]	~0.2 [SW6]		0.1-0.9; 0.08; 0.25-2.5 [@]
XTE J1755-324	17 ^h 55 ^m 28 ^s .6 [YT1]	-32° 28' 39" [YT1]	358°.0	-3°.6	25/7/1997 [YT1]		~0.2 [YT1]		
XTE J1806-246 (2S 1803-245)	18 ^h 06 ^m 50 ^s .1 [AS1]	-24° 35' 15" [AS1]	6°.1	-1°.9	16/4/1998 [AS3]	1976 [AS1]	~0.8 [AS1]	? [AS2]	7-14 [AS6,7]
XTE J1817-330	18 ^h 17 ^m 43 ^s .54 [ST1]	-33° 01' 06".7 [ST1]	359°.8	-8°.0	26/1/2006 [ST2]		~2 [ST3] (Fig. 1)		4-9 [ST7,8,9]
XTE J1818-245	18 ^h 18 ^m 24 ^s .43 [WS3]	-24° 32' 18".0 [WS3]	7°.4	-4°.2	12/8/2005 [WS1]		~0.5 [WS4] (Fig. 1)		
MAXI J1820+070	18 ^h 20 ^m 21 ^s .93 [MJ3]	+07° 11' 07".1 [MJ3]	36°.1	+9°.6	11/3/2018 [MJ1]	1898, 1934 [MJ13]	~2 [MJ15]		0.003-16 [▲]
MAXI J1828-249	18 ^h 28 ^m 58 ^s .07 [MI2]	-25° 01' 45".9 [MI2]	8°.1	-6°.5	16/10/2013 [MI1]		~0.1 [MI6]		
EXO 1846-031	18 ^h 49 ^m 17 ^s .05 [EX4]	-03° 03' 55".3 [EX4]	29°.9	-0°.9	23/7/2019 [EX2]	1985 [EX1]	~0.3 (var.) [EX1,7]		0.26-8.42 [EX3, 7,10,15,16]
XTE J1856+053	18 ^h 56 ^m 42 ^s .92 [TS1]	+05° 18' 34".3 [TS1]	38°.3	+1°.2	14/2/2020 [TS8]	1996, 2007, 2015 [TS3,2,6,7]	~0.1 (var.) [TS4,6,7,8]		
V406 Vul (XTE J1859+226)	18 ^h 58 ^m 41 ^s .58 [XE1]	+22° 39' 29".4 [XE1]	54°.1	+8°.6	4/2/2021 [XE24]	1999 [XE2]	1.4 (var.) [XE5,29]		~0.5; ~170; 129; 225; 1-12 [#]
XTE J1908+094	19 ^h 08 ^m 53 ^s .07 [SX1]	+09° 23' 05".0 [SX1]	43°.3	-0°.4	1/4/2019 [SX15]	2002 [SX2,4] 2013 [SX9]	~0.1 [SX2]		~0.5-5 [SX2]
SWI J1910.2-0546	19 ^h 10 ^m 22 ^s .79 [SF2]	-05° 47' 56".3 [SF2]	29°.9	-6°.8	30/5/2012 [SF1]		~2 [SF7]		4.5-6 [SF4]
V1333 Aql (Aql X-1)	19 ^h 11 ^m 15 ^s .9 [AQ1]	+00° 35' 06" [AQ1]	35°.7	-4°.1	23/7/2023 [AQ11]	Recurr every ~211 days [AQ3]	~1.3 (var.) [AQ2,3]	YES ^{&}	800;1-20;1080; (2.7-11.3) ^{10³▲}
QZ Vul (GS 2000+25)	20 ^h 02 ^m 49 ^s .49 [QZ8]	+25° 14' 11".2 [QZ8]	63°.4	-3°.0	23/4/1988 [QZ15]		12 [QZ8]		2.27 [QZ15]
XTE J2012+381	20 ^h 12 ^m 37 ^s .71 [TY1]	+38° 11' 01".1 [TY1]	75°.4	+2°.2	25/12/2022 [TY8]	1998 [TY2]	~0.2 [TY5]		
V404 Cyg (GS 2023+338)	20 ^h 24 ^m 03 ^s .7 [VC11]	+33° 52' 04" [VC11]	73°.1	-2°.1	15/6/2015 [VC11]	'38; '56; '79?; '89 [VC8;10;11]	~21 (var.) [QZ11]		0.0008-0.25 [§]
LZ Aqr (XTE J2123-058)	21 ^h 23 ^m 14 ^s .54 [TZ2]	-05° 47' 52".9 [TZ2]	46°.5	-36°.2	27/6/1998 [TZ1]		~0.1 [TZ1]	YES [TZ3]	~850; ~1100 [TZ2,5,10]

^: [AQ14;22;26;QX21,41,50]

*: [AH4,36,53;8,19,22,47,55,58,59,61;31,32,39,40,47,59,60,62,63]

#: [XE3,9;25;6,18,21,22,23,25]

£: [BA8,10]

§: [BA1,7,4,8,9,13,14,16]

▲: [MJ7,8,9,23,25,26,28,29,33,36,45,50,55,56,59,62,64,66,68,70]

+: [AH2,3,11,15,20,21,24,26,29,34,37,38,42,43,44,48,51,57,58]

§: [VC15,19,25,34]

&: [AQ4,42,50,52,GCH]

●: [GC4,5,20,21,22,23,24]

■: [RG20;10;11]

%: [AH1;SL2;1;5;8]

@: [SW1,6,7,8,15,17,30,36;11,25;13]

○: [GC2,5,4,11,13,17]

	10	11	12	13	14	15	16	17	18	19
NAME	L_X (erg s ⁻¹) at maximum	V_{\max}	L_X/L_{opt} at maximum	Radio emission	Outburst X-ray spectrum	Outburst optical spectrum	$E(B-V)$	d (kpc)	$ z $ (pc)	M_V^{\max}
GRS 1737-31	$\sim 1.9 \cdot 10^{37}$ [RR4]				[RR4]		~ 10 (from [RR4])	8.5 (assumed) [RR4]	0	
GRS 1739-278	$\sim 1.6 \cdot 10^{40} \cdot d_7^2$ [RG1]	23.2 (R) [RG2]	~ 12000	YES [RG3,4,21]	[RG6,7,8,10, 17,18,19,20]		2-3.5; 2.8 [RG2;18]	6-8.5; 5.5-9.5 [RG1;18]	~ 150	~ -1 (R)
SWI J1745-26	$\sim 1.4 \cdot 10^{38} \cdot d_7^2$	19.36 [IS8]	~ 2000	YES [IS5]	[IS13]	[IS10]	2.5 [IS14]	< 7 [IS10] 2.6-4.8 [IS14]	< 170	> -2.5
A1742-289	$\sim 7 \cdot 10^{36}$ [AA1] $\sim 3 \cdot 10^{38}$ [AA4]			YES [AA3]	[AA4]		0.35 [AA1] ~ 50 [AA6]	~ 1.2 [AA1] ~ 8.5 [AA6]	0 [WEA]	
IGR J17464-3213 (1H 1741-322)	$\sim 2 \cdot 10^{38} \cdot d_{10}^2$	21.49 (R) [AH41]	~ 1500	YES [^]	*	[AH41] (IR)	3.48, 3.74, 2.6%	8.5 [AH33]	~ 300	~ -2.5 [AH19]
XTE J1748-288	$\sim 1.5 \cdot 10^{38} \cdot d_8^2$ [TX5]			YES [▲]	[TX5, TX8]		~ 20 (from [TX5])	8 (assumed) [TX5]	~ 50	
XTE J1748-361 (A1744-361)	$\sim 2 \cdot 10^{36} \cdot d_{10}^2$ $\sim 2 \cdot 10^{37} \cdot d_8^2$ @			YES [BA5]	[BA12,14, 18,19,20]	[BA1]		< 9 [BA10]	< 650	
SAX J1748.9-2021 (MX 1746-20)	$\sim 2 \cdot 10^{37} \cdot d_7^2$ [CU2]				[GC5,18, 22,23]		1.17 [GC3]	5.8 [GC3] 8.5 [GC6]	380 or 600	
IGR J17497-2821	$\sim 1.1 \cdot 10^{37} \cdot d_8^2$ [IG2]	15.9 (K_s) [IG4]	~ 2500 (NIR)		[IG1,2,5,6, 7]		7.8 - 10.7 (from [IG1])	8 (assumed) [IG2]	~ 70	$-1.1 \div -2.2$ (K_s) [IG1]
SLX 1746-331	$\sim 5 \cdot 10^{37} \cdot d_{10}^2$	16.93 (K_s) [SL6]	$\sim 1.5 \cdot 10^5$ (NIR)				1.45	8 (assumed) [SL3]	400	$+1.9$ (K_s)
XTE J1752-223	$\sim 3 \cdot 10^{38} \cdot d_{10}^2$ [UX3]	16.79 [UX4]	~ 5000	YES [§]	[UX3,8,11, 13,17,19]		0.76; 0.93; 1.28-1.4 ⁺	~ 3.5 ; 2.3-22; $> 5^{\#}$	80 \div 800	$-4.1 \div +0.8$
SWI 1753.3-0127	$\sim 5.8 \cdot 10^{37} \cdot d_6^2$ [SW7]	~ 15.8 (R) [SW2]	~ 1500	YES [SW3,7]	\square	[SW7]	~ 0.34 [SW7] 0.45 [SW24]	~ 6 [SW7] 5.6 [RMA]	~ 1300	$\sim +0.7$ (R)
XTE J1755-324	$\sim 3 \cdot 10^{37} \cdot d_{10}^2$ [YT1]				[YT2,3, RG8]		~ 0.7 [YT3]	8.5 (assumed) [YT2]	~ 500	
XTE J1806-246 (2S 1803-245)	$\sim 2 \cdot 10^{37} \cdot d_{10}^2$ [CU2]	~ 22 [AS5]	~ 13000	YES [AS4]			~ 2	7.3 [AS8]	~ 250	1.4
XTE J1817-330	$\sim 6 \cdot 10^{38} \cdot d_{10}^2$	11.35 [ST4]	~ 300	YES [ST5]	[ST3,4,8,9]		~ 0.2 [ST3]	1-10 [ST4]	$\sim 140 \div$ 1400	$\sim -4.3 \div +0.7$
XTE J1818-245	$0.4-0.9 \cdot 10^{38}$ [WS4]	16.86 [WS2]	~ 21000	YES [WS3,4]	[WS4]	[WS2]	0.93 [WS4]	2.8-4.3 [WS4]	200 \div 300	$+0.8 \div +1.7$
MAXI J1820+070	$\sim 2 \cdot 10^{38}$ [MJ15]	~ 12.2 [MJ17]	~ 130	YES [MJ4,28,49]	\circ	\blacktriangledown	~ 0.2 [MJ2;14]	~ 3 [MJ14,24,GRJ]	500	≈ -1
MAXI J1828-249	$\sim 1.7 \cdot 10^{37} \cdot d_8^2$ [MI3]	17.2 (g') [MI3]	~ 1000	YES [MI4]	[MI5]		~ 0.34 [MI3]	8 (assumed) [MI6]	900	$+1.7$ (g')
EXO 1846-031	$\sim 10^{38}$ [EX1]	> 23 (r) [EX5]		YES [EX4,6,14]	\bullet		~ 6 (from [EX1])	~ 7 ; 2.4-7.5 [EX1;14]	40 \div 120	
XTE J1856+053	$\sim 1.7 \cdot 10^{37} \cdot d_8^2$	16.43 (K_s) [TS1]	~ 6000 (NIR)		[TS4]		~ 8 (from [TS4])	8 (assumed)	170	-0.8 (K_s)
V406 Vul (XTE J1859+226)	$\sim 3 \cdot 10^{37} \cdot d_7^2$; $2 \cdot 10^{35}$ [XE29]	15.3 [XE8] 18.5 [XE29]	~ 2700 (var.)	YES [XE4]	[XE20,21, 22,23,28]	[XE8]	0.58 [XE14]	7.6 [XE14] 11 [XE8]	1100 \div 1600	-0.9 or -1.7
XTE J1908+094	$\sim 2 \cdot 10^{37} \cdot d_{8.5}^2$	19.3 (J) [SX5]	~ 6300 (NIR)	YES ^{&}	[SX2,6,12, 13,18,JMM]		4.5 (from [SX6])	3 - 10 [SX8]	20 \div 70	$+0.3 \div +3.0$ (J)
SWI J1910.2-0546	$\sim 5 \cdot 10^{38} \cdot d_{10}^2$	15.76 [SF6]	< 30000	YES [SF3]	[SF5,8]		0.598 [SF8]	> 1.7 [SF8]	> 200	$< +2.7$
V1333 Aql (Aql X-1)	$\sim 2 \cdot 10^{37}$ (var.)	14.8 (var.) [AQ2,13]	~ 200	YES [AQ6]	\pounds	[AQ2,19, 49]	0.5 [AQ13]	2.5; 2.3; 4-8; 4-5.75; 3.0 [■]	~ 170	$+0.9$ (var.) [CX9]
QZ Vul (GS 2000+25)	$\sim 2 \cdot 10^{38}$	16.4 [QZ2]	~ 2000	YES [QZ5]	[QZ7,8,15]	[QZ2]	1.69 [QZ2] 1.23 [GGH]	~ 2 [QZ12,13,17]	~ 100	~ -1 [QZ2]
XTE J2012+381	$\sim 7 \cdot 10^{37} \cdot d_{10}^2$ [TY5]	21.3 [TY1]	~ 1700	YES [TY3]	[TY5,6,7]		~ 2 [TY1,TY4]	10 (assumed) [TY5]	~ 400	~ 0
V404 Cyg (GS 2023+338)	$\sim 10^{39}$ [VC24]	11.7 [VC6]	~ 15 [VC20]	YES [●]	\pounds	\triangle	1.03 [VC15] 1.2 [VC54]	2.39; 2.23; 2.1 [VC27;74;RMA]	90	-4.7 [CX9]
LZ Aqr (XTE J2123-058)	$\sim 3 \cdot 10^{37} \cdot d_{10}^2$	17.3 [TZ2]	~ 2000		[TZ2]	[TZ9]	0.12 [TZ9]	8.5 [TZ12] 9.6 [TZ11]	5000 [TZ12]	$\sim +2$

*: [VO5,AH4,9,13,14,18,19,22,23,28,45,47,49,54,55,56,58,59,61,63]

§: [VC11,17,36,38,39,40,43,47,48,49,52,55,58,59,68,69, 71]

+: [UX4;5;16]

^: [AH5,25,35,57]

§: [UX1,8,12,14,15]

#: [UX3;13;16]

@: [CU2;BA16]

£: [AQ10,20,21,22,23,28,31,34,36,39,41,51,53]

&: [SX3,4,10,11,14,16]

%: [AH6,19,41]

○: [MJ15,16,18,20,23,26,27,35,37,39,40,42,43,44,45,46,47,52,57,59,63,64,65,69,70,71,CRB]

□: [SW6,7,8,12,15,19,29,30,33,36]

●: [VC3,50,56,61,70,72,73]

■: [AQ13;19;40;42;RMA]

▲: [TX2,3,9,10]

△: [VC9,15,46,50,51,60]

♥: [MJ14,21,34,41,48,67]

◆: [EX1,9,12,13,15,16,RG8]

	20	21	22	23	24	25	26	27	28	29
NAME	P_{sh} (hr)	Dips and/or eclipses	Short-term periods or oscillations	e -fold decay time in X-rays (days)	dV/dt (mag d^{-1})	Times of secondary maxima (days)	Mini-outbursts	Decline X-ray spectrum	Decline optical spectrum	V_{min}
GRS 1737-31								[RR1]		
GRS 1739-278				34 - 48 [RG7]		~ 50 ?, 90, 140, 190 (X) [RG7]	YES [RG18,21]	Δ		>19.2 (J) [XO10]
SWI J1745-26				~ 40 [IS3] (Fig. 1) ~ 81 [TLH]	~ 0.04 [IS10]	$\sim 110, \sim 220$ (X) [IS3] (Fig. 1)	YES [IS3,9,11]	[IS3,11,13]		>23.1 (r') [IS6]
A1742-289		eclipses [AA6]		~ 12 [AA1]		~ 40 [AA4]		[AA4]		18.2 [AA1]
IGR J17464-3213 (1H 1741-322)			flares [AH41]	≈ 4 [AH25]				#	[AH41] (IR)	>24 (i') [AH19]
XTE J1748-288				~ 15 [TX5] 19 [TX6]		~ 45 (X) [TX7] (Fig. 2)		[TX7,TX8]		
XTE J1748-361 (A1744-361)		dips [BA14]	ms pulsar [BA10]							
SAX J1748.9-2021 (MX 1746-20)			ms pulsar [GC9,12,24]	6 [GC5]				%		$\approx 25.7?$ (B) [GC19]
IGR J17497-2821				16.9 [IG2]						
SLX 1746-331										18.3 (K_s) [SL7]
XTE J1752-223				~ 30 [UX9] (Fig. 1)		$\sim 70, \sim 150$ (X) [UX5,9]	YES [UX6,16]	[UX3,7,13,16,20]		>24.4 (i') [UX14]
SWI J1753.5-0127		dips [SW22]	[SW5,10,13]	$\sim 31; 32$ [SW6;7]	~ 0.014 [SW5]		YES [SW35]	&	[SW11,24]	22.90 (g') [SW32]
XTE J1755-324				24 - 32 [YT2]		$\sim 20, \sim 50$ (X) [YT2]		[YT2,YT3]		
XTE J1806-246 (2S 1803-245)				~ 20 [AS7] (Fig. 1)						
XTE J1817-330		[ST9]		30; 27 [ST3;4,8]	0.018 (UV) (from [ST3])	~ 80 [ST3] (Fig. 1)		[ST3,4,8,10]		>22 [ST4]
XTE J1818-245				19 [WS4]		$\sim 30, \sim 100?$ (X) [WS4]		[WS4]		19.99 (K_s) [LJT]
MAXI J1820+070	16.9 [▲]	dips [MJ19]	[MJ51]; flares [□]	linear decay [MJ14,18,19]	~ 0.025 (g') (in [MJ18])	$\sim 100, \sim 210$ [MJ18,48]	YES [•]	■	[MJ14,21,34,48]	~ 18.5 (R) [MJ15]
MAXI J1828-249				~ 53 [MI6]	~ 0.020 (from [MI6])	~ 80 [MI6] (Fig. 2)				20.82 (K_s) [LJT]
EXO 1846-031				~ 84 (3-6 keV)* ~ 30 (6-10 keV)*				[EX1,13]		
XTE J1856+053				~ 30 [TS4] (Fig. 1)		~ 20 [TS4] (Fig. 1)				20.09 (K_s) [LJT]
V406 Vul (XTE J1859+226)	9.21 [XE17]	eclipses [XE10]	[XE7,8,9,19]	$\sim 23; \sim 5; \sim 57$ [XE9;29;TLH]	0.017 [XE8], 0.022 [XE17]	~ 70 [XE9,17] ~ 160 [XE8]	YES [^]	[XE20,22,23,29]	[XE8,29]	23.29 [XE8]
XTE J1908+094			flare [SX12]	26.8 [SX2]		~ 70 (X) [SX2]		[SX1,2,7,17]		20.1 (J) [SX8]
SWI J1910.2-0546		dip [SF5]		~ 20 [SF4] (Fig. 1)		$\sim 40, \sim 110$ (X) [SF4] ~ 180 (X) [SF8]		[SF4,8]		23.46 (r') [LJT]
V1333 Aql (Aql X-1)		dips [£]	ms pulsar; flares [§]	~ 10 days or less [AQ3]	~ 0.022 [AQ7] (Fig. 2)			§	○	21.6 [AQ13]
QZ Vul (GS 2000+25)	8.33 [QZ2]		[QZ3]; flares [ZCS]	30.8 [QZ8]	0.016 [QZ6]	$\sim 70, \sim 130$ (X) [QZ8, QZ15]; ~ 170 [QZ6]	YES [QZ3]	[QZ15]	[QZ10]	>21 (B) [QZ8]
XTE J2012+381				16, 35 [TY6]	~ 0.008 (R) [TY1]	$\sim 30, \sim 150$ (X) [TY1,TY5]		[TY5,TY6]	[TY1]	20.08 (K_s) [LJT]
V404 Cyg (GS 2023+338)			[VC22,24,35] flares [@]	~ 40 [QZ11]	0.0094 [GR18]	~ 120 [VC3] (Fig. 12)		†	[VC9,18,67,44 (qsc.)]	19.2 [VC7]
LZ Aqr (XTE J2123-058)		eclipses [TZ4]	[TZ7]; ms psr? [TZ2]	~ 15 [TZ2] ~ 19 [TZ8]	0.2 [TZ6,TZ8]	~ 20 [TZ2,TZ8]		[TZ2]		22.68 [TZ12]

*: [EX1]

^: [XE8,11,12,25]

§: [AQ5,14,25;30,50]

■: [MJ15,16,18,23,29,38,40,52,59,60,61,63,71]

§: [AQ10,23,28,30,31,33,34,35,43,44,46,48,50,53;42,45(quiesc.)]

#: [VO5;AH12,13,19,27,28,39,43,46,47,49,54,59,61,62,LEA]

&: [SW4,6,9,11,14,15,18,22,23,24,26,27,29,30,33]

@: [ZCS,VC36,41,42,46,56,61,63,65,66,72]

+: [VC17,43,49,53,LEA;30,35(quiesc.)]

‰: [GC21,22,24;4,10,16(quiesc.)]

●: [MJ10-12,25,27,48,60]

○: [AQ1,8,35,47(quiesc.);49]

□: [MJ5,6,50]

▲: [MJ22,51,53]

£: [AQ32,39]

Δ : [RG10,14,16,18,19,LEA]

	30	31	32	33	34	35	36	37	38	39
NAME	$\Delta m (V)$	M_V^{min}	L_X (erg s ⁻¹) at quiescence	P_{orb} (hr)	$f[M_1] (M_\odot)$	i (°)	q	$M_1 (M_\odot)$	$M_2 (M_\odot)$	$a (R_\odot)$
GRS 1737-31			<2.6·10 ³⁶ [RG9]							
GRS 1739-278	>3 (J) [XO10]	> +1.4 (J) [XO10]	~10 ³⁵ [RG5]					~8 [RG8]; <9.5 [RG19]		
SWI J1745-26	>4.3 [IS10]	> +3.4 (K _s) [LJT]		<21 [IS10] <11.3 [IS14]						
A1742-289		+6.7	~10 ³⁶ [AA6]	8.36 [AA6]		~70 [AA6]	≤0.8 [AA6]	~1.4 [AA6]	~1 [AA6]	~2.7 [AA6]
IGR J17464-3213 (1H 1741-322)	>4.5 (J) [AH19]	> +2	9·10 ³¹ [AH17]	>10 [AH25]		75; >43 [£]		~11.5; 10-14 [AH10,47;50]		
XTE J1748-288			<3·10 ³³ [TX7]					> 4.5 [TX8]		
XTE J1748-361 (A1744-361)			~2·10 ³² . ·d ² ₁₀ [^]	0.87 [BA14]		60-75 [BA10]		~1.4		
SAX J1748.9-2021 (MX 1746-20)		≈+7.1 ? (B) ≈+6.3 ? (B)	~8·10 ³² [GC10]	8.76 [GC12]	4.8·10 ⁻⁴ [GC12]	~9 [GC12]	~0.7	1.33 or 1.78 [GC15]	~1; ~0.8 [GC12;19]	~4
IGR J17497-2821										
SLX 1746-331	1.37 (K _s)	+3.3 (K _s)	<1.5·10 ³² [SL3]							
XTE J1752-223	>8 (i [*]) [UX14]	> +5.3 [UX5]	8·10 ³¹ ·d ² ₈ [UX14]	< 22.1 [UX5] ≤6.8 [UX14]		35 [UX17]		~9.6 [UX3,18] 3.1-55 [UX13]		
SWI J1753.5-0127	≈5	~ +7.1	<10 ³⁴ ·d ² ₈ [SWXX]	3.23 [SW10] 2.85 [SW21]	0.69 [SW21]	≥40; ≥50 [SW21;25]	0.025 [SW10] ≥0.03 [SW21]	12; 1.3-4.1; >7.4; 5.35 [■]	0.3; 0.1-0.3 [%]	2.6; ≤1.67 [^]
XTE J1755-324			<2.3·10 ³⁶ [RG9]							
XTE J1806-246 (2S 1803-245)			<2.8·10 ³² [AS8]							
XTE J1817-330	>10.65 [ST4]	> +6 [ST4]		6 ? [ST4] ~20 [ST6]				6 [ST4]		
XTE J1818-245								3 [BRCJ]		
MAXI J1820+070	≈6	+6 (R) [MJ15]	6·10 ³¹ [MJ72]	16.5 [MJ22,51]	5.18 [MJ22]	66-81 [MJ22,30]	0.12 [MJ22] 0.072 [MJ30]	7-8; 9.2; 8.5 [MJ22,24,30]	~0.9; 0.6 [MJ30]	~6.7
MAXI J1828-249										
EXO 1846-031								~9 [EX9] 12.4 [EX16]		
XTE J1856+053	3.66 (K _s)			3-12 [TS4]				<4.2 [TS4]		
V406 Vul (XTE J1859+226)	8.0	+7.1 or +6.3	4·10 ³¹ ·d ² ₁₁ [XE16]	7.65; 9.16; 6.62 [XE8;13;19,26]	7.4 [XE13] 4.5 [XE19]	40-70; 67 [XE19;26]	0.118; 0.07; 0.049 [#]	9.27; >5.42; 4; 6.58-8.84; 7.9 ^{&}	0.55 [XE26]	~4.8
XTE J1908+094	0.8 (J)	+1.1 ÷ +3.8 (J) [SX8]				27 [SX18]		≈4.5 [SX2] ~6.5 [SX17]		
SWI J1910.2-0546	>6 [SF2]							>2.9 [SF8]		
V1333 Aql (Aql X-1)	6.8 (var.)	~ +8.1 [AQ13]	≈10 ³³ @	18.9 [AQ9,40] 18.7 [AQ12]		20-31; 36- 47; 72-79 [§]	≤0.6 [AQ8] 0.43 [AQ12]	1.4 [AQ12] ≥1.6 [AQ24]	0.6 [AQ12]	~4.5
QZ Vul (GS 2000+25)	>3.5 (B) [QZ8]	+5.4 ÷ +6.7 [QZ3]	1.1·10 ³⁰ [QZ17]	8.26 [QZ9]	4.97 [QZ4] 5.02 [QZ1]	65 [QZ12] 75 [QZ14]	0.05 [QZ4] 0.042 [QZ13]	8.5; 6.55; 5.5 - 8.8 [*]	0.16-0.47; 0.4 - 0.7 [§]	~4
XTE J2012+381			<2·10 ³³ [TY6]					~10 [TY9]		
V404 Cyg (GS 2023+338)	7.5 [VC2]	+2.5 [VC16]	~10 ³³ ●	155.4 [VC4,67]	6.08 [VC12]	56 [VC14] 67 [VC28]	0.06 [VC12] 0.043 [VC32]	10; ≤12.5; 9.0; 8.4 ⁺	0.7; 0.36 [VC14;32]	34 [VC14]
LZ Aqr (XTE J2123-058)	5.4	+7.7	9·10 ³¹ [TZ15]	5.96 [TZ2,11]	0.68 [TZ12] 0.61 [TZ11]	73 [TZ8]	0.22, 0.37 [TZ8,13]	1.46 [TZ13] 1.30 [TZ14]	0.53, 0.46 [TZ13,14]	~2.2

§: [AQ15;12,40;39]

*: [QZ12;14;16]

§: [QZ16;4]

^: (from [BA11])

+: [VC13;21;28;32]

£: [AH33;28]

@: [CX13,AQ37,47]

&: [XE17;19;BRCJ;XE21;25,26]

%: [SW10;21]

^: [SW21]

●: [VC26,30,31,35]

■: [SW10;21;28;30]

#: [XE17;26;JCA]

	40	41	42	43	44	45	46	47
NAME	$R_{L1} (R_{\odot})$	$R_{L2} (R_{\odot})$	Secondary spectral type	Lithium on the secondary	Systemic γ velocity (km s ⁻¹)	Corrected γ velocity (km s ⁻¹)	Comments and notes	Result
GRS 1737-31							Unknown optical counterpart; hard X-ray spectrum [RR4]	BH?
GRS 1739-278			F5 V or later [XO10]				IR plateau [RG2,XO10]; X-ray plateau, slow rise to max. [RG7]; Fe em. line, BH spins? [RG14,19]	BH?
SWI J1745-26			A0 or later; K0 V – M0 V [♦]				Polarized compact jet [IS5,12]	BH?
A1742-289	~1.10 [AA6]	~0.95 [AA6]	K3 V [AA1] G V ? [AA6]				Uncertain opt. cpt.; possible plateau in X-rays [AA4]; controversial quiescent detection [AA6,7]	NS?
IGR J17464-3213 (1H 1741-322)			late type dwarf [AH41]				Periodic activity? [AH18,34]; jets/wind [AH7,35,54]; 2-peak outburst [AH8]; BH spin [AH10,33,62,DEA]	BH?
XTE J1748-288							Unknown opt. cpt.; radio jets [TX4,9]; hard X-ray spectrum [TX5]; Fe em. lines, spinning BH [TX8]	BH?
XTE J1748-361 (A1744-361)							Opt. cpt. [BA3]; ultracompact? [BA10]; atoll, X-ray lines [BA12,14,18,19,20]	NS
SAX J1748.9-2021 (MX 1746-20)	1.6	1.5	late type dwarf? [GC12,19]				Opt. cpt. [GC4,7,19]; accr. msp? [GC12]; in glob. cl. [GC1]; likely an atoll src. [GC5]; Fe em. line [GC23]	NS
IGR J17497-2821			B or K giant [IG1]				Hard X-ray spectrum [IG2,5]; symbiotic X-ray binary? [IG1]	BH?
SLX 1746-331							Ultrasoft X-ray spectrum [AH1]	BH?
XTE J1752-223			M0 V or later [UX14; LJT]				Radio [UX1,5,8,12] (and X-ray? [UX14]) jets; Fe emiss., BH spin, compl. outburst [UX4,5,7,17,20]	BH?
SWI J1753.5-0127	1.2 (from [SW10])	0.3 (from [SW10])	K-M V [SW7] M2 V [SW10]		6 [SW21]		Hard-X spec. [SW6]; X/opt. plateau [§] ; jets [†] ; Fe line [‡] ; 420-d per. [■] ; low-mass BH [□] ; spinning BH [○]	BH?
XTE J1755-324							Unknown optical counterpart; strong X-ray soft-to-hard evolution [YT2]; possible iron K_{α} line [YT3]	BH?
XTE J1806-246 (2S 1803-245)							Possible Z source [AS6]; more likely an atoll source [AS7]	NS
XTE J1817-330			K-M dwarf [ST4]				Soft X-ray spectrum; ubiquitous accretion disk [ST3]; X-ray abs. lines [ST4]	BH?
XTE J1818-245							Soft X-ray spectrum at maximum; radio jets? [WS4]	BH?
MAXI J1820+070	~3	~1.5	K 3-5 V [MJ22,58]		-21.6 [MJ22]		jets [*] ; complex lightcurves [MJ25]; Opt. & X pol. [MJ17,54,CRB]; Fe line [MJ29]; low BH spin [*]	BH
MAXI J1828-249							Soft X-ray spectrum at maximum [MI5,6]	BH?
EXO 1846-031							Multipeaked outburst [EX16]; No opt. cpt. found [EX1,4]; Fe emiss [EX7,9,13]; BH spin [EX9,12]	BH
XTE J1856+053			late-type dwarf [TS4]				Two consecutive outbursts in 1996 and 2007 [TS4,5]; X-ray precursor [TS4]	BH?
V406 Vul (XTE J1859+226)	~2.2	~0.9	G5 V; G9 - K5 V; M3 V; K5-7 V [§]		-28; +115 [XE19,26]		1 ^{''} .4 south of a faint star [XE8]; initial hard X-ray flare, jets? [XE15]; BH spin [XE25,28]	BH!
XTE J1908+094			A - K V [SX8]				Slow X-ray rise [SX2]; fast X-ray decay [SX1]; Fe line [SX2,6]; BH spin [JMM,SX18]; jets [SX14]	BH?
SWI J1910.2-0546							Retrograde BH? [SF4]	BH?
V1333 Aql (Aql X-1)	~1.8	~1.4	K7 V [AQ13] K4 [AQ40]		+104 [AQ40]		0 ^{''} .46W of a G-star; X-ray plateaus; differ. outbsts; atoll; opt. bursts; jets; quiesc. activ.; Fe line [#]	NS
QZ Vul (GS 2000+25)	~2	≤0.85 [QZ4]	K5 V; K3-K6 V; K2 V [^]	YES [QZ4,QZ13]	+18.9 [QZ13]		10 ^h .02 periodicity present (starspots?) [QZ9]; Fe edge [QZ15]; stripped evolved companion [QZ16]	BH
XTE J2012+381							Interloper at 1 ^{''} .2, X-ray plateau, long orbital period? [TY1]; Fe em. line [TY5]; BH spin [TY9]	BH?
V404 Cyg (GS 2023+338)	15.4	~7 [VC16]	K0 IV; K3 III; K0 III ⁺	YES [VC1,VC5]	-0.4 [VC12]	+8.5 [XS3]	Prec. jets [*] ; min. ~5 d after max. [°] ; hard X-ray spec. [£] ; Fe line [@] ; e ⁻ e ⁺ annih. line [•] ; var. in quiesc. ^{&}	BH!
LZ Aqr (XTE J2123-058)	~0.9	0.62 [TZ13]	K7 V [TZ11,12]		-94.5; -110 [*]		Optical bursts [TZ2]; possible atoll source [TZ2,10]; possible SW Sex system [TZ9,11]	NS

*: [TZ12;11]

#: [AQ13;3;27,29;16;17;28;30;38]

+: [VC10;28;29]

^: [QZ1,16;13;GGH]

§: [XE13;8;GGH;XE19,26]

§: [SW9,11,13,34]

‰: [VC15]

£: [QZ11]

@: [VC23,37,43]

&: [VC30,44,62]

†: [SW7,16]

‡: [SW12,14]

♥: [VC45]

♠: [VC56,64]

♦: [IS10;LJT,IS14]

♣: [MJ33,38,39; but see MJ55 and DEA]

●: [MJ28,31,32,41,49]

■: [SW20]

□: [SW21]

○: [DEA]

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