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The bibliographical entries for *Individual Stars* and *Collections of Data*, as well as a few *General* entries, are categorized according to the following coding scheme. Data from archives or databases, or previously published, are identified with an asterisk. The observation codes in the first four groups may be followed by one of the following wavelength codes.

g.	γ-ray.	i.	infrared.	m.	microwave.	o.	optical
r.	radio	u.	ultraviolet	x.	x-ray		

1. Photometric data

a. CCD b. Photoelectric c. Photographic d. Visual

2. Spectroscopic data

a. Radial velocities b. Spectral classification c. Line identification d. Spectrophotometry

3. Polarimetry

a. Broad-band b. Spectropolarimetry

4. Astrometry

a. Positions and proper motions b. Relative positions only c. Interferometry

5. Derived results

a.	Times of minima	b.	New or improved ephemeris, period variations
c.	Parameters derivable from light curves	d.	Elements derivable from velocity curves
e.	Absolute dimensions, masses	f.	Apsidal motion and structure constants
g.	Physical properties of stellar atmospheres	h.	Chemical abundances
i.	Accretion disks and accretion phenomena	j.	Mass loss and mass exchange
k.	Rotational velocities		

6. Catalogues, discoveries, charts

a.	Catalogues	b.	Discoveries of new binaries and novae
c.	Identification of optical counterparts of γ-ray, x-ray, IR, or radio sources	d.	Finding charts

7. Observational techniques

a.	New instrument development	b.	Observing techniques
c.	Reduction procedures	d.	Data-analysis techniques

8. Theoretical investigations

a.	Structure of binary systems	b.	Circumstellar and circumbinary matter
c.	Evolutionary models	d.	Loss or exchange of mass and/or angular momentum

9. Statistical investigations

10. Miscellaneous

a. Abstract b. Addenda or errata

Abbreviations

AD	accretion disk	HMXB	high-mass x-ray binary	QPO	quasi-periodic oscillation
BH	black hole	IP	intermediate polar	RV	radial velocity
CB	close binary	LC	light curve	SB	spectroscopic binary
CV	cataclysmic variable	LMXB	low-mass x-ray binary	WD	white dwarf
EB	eclipsing binary	NS	neutron star	WR	Wolf-Rayet star

Individual Stars

Z And	*Taranova, O.G. et al.* (4 authors) 2004, AZh 81, 816. (2doi, 5c) Symbiotic system during flare of 2000-2002. *Tomov, N.A., Tomova, M.T., Taranova, O.G.* 2004, A&A 428, 985. (1ao, 5g)
CN And	*Çiçek, C., Erdem, A., Soydugan, F.* 2005, Astron. Nachr. 326, 127. (1bo, 5bce) Near-contact binary.
EG And	*Kolb, K. et al.* (4 authors) 2004, AJ 128, 1790. (2du*, 8bd) Model atmosphere for hot component of symbiotic variable.
LO And	*Gürol, B., Müyesseroğlu, Z.* 2005, Astron. Nachr. 326, 43. (1bo, 5abce).
PQ And	*Schwarz, G.J. et al.* (7 authors) 2004, PASP 116, 1111. (2ad, 5b) WZ Sge-type.
VY Aqr	*Hamilton, R.T., Sion, E.M.* 2004, PASP 116, 926. (5gi, 8a) New model using recent parallax.
V603 Aql	*Suleimanov, V.F. et al.* (8 authors) 2004, LeAZh, 30, 676. (1ao, 5b) Disk precession and quasi-periodic brightness oscillations.
V1343 Aql (SS 433)	*Brinkmann, W., Kotani, T., Kawai, N.* 2005, A&A 431, 575. (2dx, 5i) *Hillwig, T.C. et al.* (7 authors) 2004, ApJ 615, 422. (2ab, 5e) Derived masses and spectra suggest A supergiant and low mass BH. *Revnivtsev, M. et al.* (9 authors) 2004, A&A 424, L5. (1aox) Rapid variability in *R* and x-rays. *Trushkin, S.A., Bursov, N.N., Nizhelskij, N.A.* 2003, Bull. Special Astroph. Obs. 56, 57 (2dr). Multifrequency monitoring of microquasar.
V1487 Aql (GRS 1915+105)	*Chakrabarti, S.K. et al.* (5 authors) 2005, A&A 431, 825. (2dx, 5i) *Janiuk, A., Czerny, B.* 2005, MNRAS 356, 205. (1ax, 2cgij, 8bd) Time delays between the soft and hard x-ray bands. *Miller, J.M., Homan, J.* 2005, ApJ 618, L107. (1, 2x, *9) Link between inner accretion flow diagnostics and QPOs *Truss, M.R., Wynn, G.A.* 2004, MNRAS 353, 1048. (8c) Models to interpret long time-scale variability. *Yadav, J.S.* 2001, Bull. Astron. Soc. India 29, 271. (1irx) Multiwavelegth observations.
V1494 Aql	*Anupama, G.C., Sahu, D.K., Mayya, Y.D.* 2001, Bull. Astron. Soc. India 29, 375. (2o) Early spectroscopy of this nova.
ζ Aur	*Griffin, R.F.* 2005, Observatory 125, 1. (2a, 5d) *Harper, G. et al.* (6 authors) 2005, AJ 129, 1018. (1r, 5j) Radio observations test wind model.
SS Aur	*Sion, E.M. et al.* (5 authors) 2004, AJ 128, 1834. (2cdu, 8bd) Model fits to FUSE spectra in quiescence.
HP Aur	*Kozyreva, V.S., Kusakin, A.V., Khaliullin, Kh.F.* 2005, LeAZh 31, 131. (1bo, 5c) Photometric elements, apsidal motion and a third body.
V363 Aur	*Thoroughgood, T.D. et al.* (6 authors) 2004, MNRAS 353, 1135. (1ao, 2abc, 5abcdegijk) Photometric and spectroscopic study.
V405 Aur	*King, D.K. et al.* (4 authors) 2004, PASP 116, 1056. (2acdu) FUSE spectra of IP.
44 Boo B	*Gondoin, P.* 2004, A&A 426, 1035. (2cdx, 5h)
TY Boo	*Li, L., Han, Z., Zhang, F.* 2005, PASJ 57, 187. (5b) Period and light-curve variations.

SV Cam	*Jeffers, S.V. et al.* (5 authors) 2005, ApJ 621, 425. (2d, 5c) Direct evidence for polar spots.
AC Cam	*Thoroughgood, T.D. et al.* (6 authors) 2004, MNRAS 353, 1135. (1ao, 2abc, 5abcdegijk) Photometric and spectroscopic study.
AO Cam	*Qian, S.-B. et al.* (5 authors) 2005, AJ 129, 1686. (1b, 5ab) Possible extra component.
CI Cam	*Mioduszewski, A.J, Rupen, M.P.* 2004, ApJ 615, 432. (4br) Observed during a year after 1998 outburst.
YY Cnc	*Zola, S., Chudy, M., Drozdz, M.* 2005, IBVS 5591. (1b, 5abc) Photometric investigation.
AH Cnc	*Zhang, X.B., Zhang, R.X., Deng, L.* 2005, AJ 129, 979. (1ao, 5abc) W UMa system in M67.
EU Cnc	*Nair, P.H. et al.* (4 authors) 2005, IBVS 5585. (1a, 5c) CV in open cluster M67.
η Car	*Davidson, K. et al.* (11 authors) 2005, AJ 129, 900. (2d, 5j) New appearance of emission lines in 2003. *Falceta-Gonçalves, D., Jatenco-Pereira, V., Abraham, Z.* 2005, MNRAS 357, 895. (8abd) Wind-wind collision model. *Soker, N.* 2005, ApJ 619, 1064. (8ab) On its binarity. *Weis, K. et al.* (6 authors) 2005, AJ 129, 1694. (2du, 5j) Balmer line variations in 2003.
V395 Car (2S 0921−630)	*Jonker, P.G. et al.* (4 authors) 2005, MNRAS 356, 621. (2ao, 5bdeg) Limits on the mass of the compact object. *Shahbaz, T. et al.* (7 authors) 2004, ApJ 616, L123. (2ao, 5e) Compact object is either low mass BH or high mass NS.
MU Cas	*Lacy, C.H.S., Claret, A., Sabby, J.A.* 2004, AJ 128, 1840. (1bo, 2a, 5abcde)
V396 Cas	*Lacy, C.H.S. et al.* (5 authors) 2004, AJ 128, 3005. (1bo, 2a, 5abcde)
V523 Cas	*Samec, R.G., Faulkner, D.R., Williams, D.B.* 2004, AJ 128, 2997. (1bo, 2a*, 5abcde) Times of minima suggest third component.
V592 Cas	*Prinja, R.K. et al.* (5 authors) 2004, MNRAS 355, 137. (2cdu, 5gi) Orbitally modulated spectral signatures of accretion disc winds.
V635 Cas	*Kiziloglu, U., Baykal, A., Kiziloglu, N.* 2005, IBVS 5590. (1a) 2004 optical outburst.
β Cen	*Davis, J. et al.* (10 authors) 2005, MNRAS 356, 1362. (2a*, 4c, 5bcdefg) Determination of orbital elements, masses and distance.
V685 Cen	*Mayer, P., Pribulla, Th., Chochol, D.* 2004, IBVS 5563. (1a, 5c) Variable depths of minima.
AH Cep	*Kim, C.-H., Nha, I.-S., Kreiner, J.M.* 2005, AJ 129, 990. (1b, 5ab) Possible fourth component discovered from times of minima.
V397 Cep	*Bulut, I. et al.* (11 authors) 2005, PASJ 57, 335. (1bo, 5c) An analysis of UBV light curves.
ES Cet (KUV 01584−0939)	*Espaillat, C. et al.* (4 authors) 2005, PASP 117, 189. (1a, 5ab) Two WDs in He-rich CV. *Strohmayer, T.E.* 2004, ApJ 614, 358. (2cx) First detection of x-ray counterpart.
BR Cir (Cir X-1)	*Iaria, R. et al.* (8 authors) 2005, ApJ 619, 503. (2x, 5h) Modelling soft excess and new distance determination: 4.1 kpc.

BW Cir (GS 1354−64)	*Casares, J. et al.* (5 authors) 2004, ApJ 613, L133. (2ab, 5e) First radial velocity curve, evidence of BH.
GO Com	*Imada, A. et al.* (22 authors) 2005, PASJ 57, 193. (1ao) A superoutburst in 2003.
ρ CrB	*Bender, C. et al.* (5 authors) 2005, AJ 129, 402. (2di) Possible low-mass stellar companion not detected in near-IR.
T CrB	*Zamanov, R. et al.* (5 authors) 2005, PASP 117, 268. (2d) Variable Hα.
UW CrB	*Hakala, P. et al.* (7 authors) 2005, MNRAS 356, 1133. (1axu, 5gj) Detection of x-ray bursts and evidence for accretion disc evolution.
TV Crv	*Uemura, M. et al.* (12 authors) 2005, A&A 432, 261. (1ao, 5i)
BP Cru (GX 301-2)	*Kreykenbohm, I. et al.* (8 authors) 2004, A&A 427, 975. (2cx) HMXB.
BF Cyg	*Yudin, B.F. et al.* (5 authors) 2005, AZh 82, 262. (1bi, 5c) IR photometry, detection of giant's ellipsoidal variability.
CH Cyg	*Taranova, O.G., Shenavrin, V.I.* 2004, AZh 81, 895. (1bo, 5b) Dissipation of hot dust envelope 1996-2003.
EM Cyg	*Spogli, C. et al.* (8 authors) 2005, IBVS 5596. (1a) BVRI observations in 2003-2004.
EY Cyg	*Sion, E.M. et al.* (7 authors) 2004, AJ 128, 1795. (1a, 2du, 8bd) Model spectrum of dwarf nova during quiescence.
V393 Cyg	*Antoniuk, K.A.* 2004, KFNT 20, 53. (3ao, 5c). UBVRI polarimetry of the eclipsing binary V 393 Cyg.
V404 Cyg	*Cherepashchuk, A.M. et al.* (5 authors) 2004, AZh 81, 1119. (2ao, 5e) Parameters of the x-ray nova, a BH binary.
	Gallo, E., Fender, R.P., Hynes, R.I. 2005, MNRAS 356, 1017. (4cr, 5g) A study of radio spectrum.
V1016 Cyg	*Jung, Y-C., Lee, H-W.* 2004, MNRAS 355, 221. (2c, 5ghj, 8d) A spectroscopic study around Hβ.
V1357 Cyg (Cyg X-1)	*Chou, Y. et al.* (4 authors) 2005, ApJ 618, 856. (1x, 2x) EXITE2 observations.
	Gleissner, T. et al. (10 authors) 2004, A&A 425, 1061. (2dxr*) Variability and radio–x-ray correlations.
	Miller, J.M. et al. (8 authors) 2005, ApJ 620, 398. (2x, 5h) Evidence for focusing of stellar wind onto black hole companion.
V1521 Cyg (Cyg X-3)	*Choudhury, M., Rao, A.R.* 2004, ApJ 616, L143. (2cx) Time lag between hard and soft x-ray emission.
	Singh, N.S. et al. (8 authors) 2001, Bull. Astron. Soc. India 29, 351. (1x, 5b) Variations of x-ray light curves.
V2275 Cyg	*Balman, Ş. et al.* (5 authors) 2005, MNRAS 356, 773. (1ao, 5abcgi) Irradiation-induced variations in the LC.
V2361 Cyg	2005, IAU Circ. 8483 (1ac, 4a, 6b) New nova.
	2005, IAU Circ. 8484 (2c) Indeed a classical nova.
	2005, IAU Circ. 8487 (1a, 2c) Designation and new data.
AA Dor	*Barman, T.S., Hauschildt, P.H., Allard, F.* 2004, ApJ 614, 338. (8c) Model atmosphere for irradiated star in a pre-CV system.
41 Dra	*Al-Wardat, M.A.* 2003, Bull. Special Astroph. Obs. 56, 41. (2do, 5g). Model atmosphere parameters.

	Balega, Yu.Yu., Leushin, V.V., Weigelt, G. 2005, AZh 82, 247. (2co, 5e) Atmospheric elemental abundances for components of multiple system.
AG Dra	*Young, P.R. et al.* (5 authors) 2005, ApJ 618, 891. (2u, 5h) FUSE observations.
AX Dra	*Kim, H.-I. et al.* (7 authors) 2004, PASP 116, 931. (1a, 5abc)
CM Dra	*Kozhevnikova, A.V. et al.* (5 authors) 2004, AZh 81, 826. (1bo, 5ce) Surface activity and orbital elements.
EP Dra	*Ramsay, G. et al.* (6 authors) 2004, MNRAS 354, 773. (1aoux, 2d, 5cgi) XMM-Newton observations and modelling.
HN Dra (HD 173977)	*Chapellier, E. et al.* (10 authors) 2004, A&A 426, 247. (1bo, 2o, 5cde) Ellipsoidal variation in δ Scuti star.
XZ Eri	*Feline, W.J. et al.* (4 authors) 2004, MNRAS 355, 1. (1ao, 5abce) Three-colour photometry and system parameters.
U Gem	*Smak, J., Waagen, E.O.* 2005, Acta Astronomica 54, 433. (1d, 5b) 1985 superoutburst - detection of superhumps.
TU Her	*Lampens, P. et al.* (7 authors) 2004, IBVS 5572. (1a, 5a, 6d) Discovery of a short-periodic pulsating component.
DQ Her	*Bianchini, A. et al.* (5 authors) 2004, A&A 426, 669. (2o, 5ij) Eclipse of the triple-peaked H_α profile.
HZ Her (Her X-1)	*Leahy, D.A.* 2004, ApJ 613, 517. (2cx*, 5e, 8a) Mass-radius constraints from a pulse shape model.
	Manchanda, R.K. 2001, Bull. Astron. Soc. India 29, 25. (2x) Second cyclotron line feature.
V815 Her (HD 166181)	*Fekel, F.C. et al.* (5 authors) 2005, AJ 129, 1001. (2a, 4b*, 5d) Single-lined triple system, spectroscopic-astrometric study.
FG Hya	*Qian, S., Yang, Y.* 2005, MNRAS 356, 765. (1ao, 5abceg) Improved astrophysical parameters.
V393 Hya	*Dall, T.H., Schmidtobreick, L.* 2004, IBVS 5567. (2bc) Nova-like with variable emission.
T Leo	*Hamilton, R.T., Sion, E.M.* 2004, PASP 116, 926. (5gi, 8a) New model using recent parallax.
AM Leo	*Albayrak, B. et al.* (5 authors) 2005, Astron. Nachr. 326, 122. (1bo, 5ab) LITE suggests presence of third component of W UMa system.
	Qian, S.-B. et al. (5 authors) 2005, AJ 129, 1686. (1b, 5ab) Possible extra component.
DG Leo	*Frémat, Y., Lampens, P., Hensberge, H.* 2005, MNRAS 356, 545. (2d, 5degh) Spectral disentangling of the triple system.
AD Men	*Tappert, C. Schmidtobreick, L.* 2005, IBVS 5587. (2aco) First optical spectra.
V396 Mon	*Gu, S.H.* 2004, Astron. Nachr. 325, 661. (1ao, 5c) Evidence of star spot activity in W-type W UMa system.
V524 Mon	*Dall, T.H., Schmidtobreick, L.* 2005, A&A 429, 625. (2abo)
IM Nor	*Orio, M. et al.* (5 authors) 2005, ApJ 620, 938. (2ox) Recurrent novae are not likely SN 1a candidates.
QX Nor (4U 1608−52)	*Barret, D. et al.* (5 authors) 2005, MNRAS 357, 1288. (1ax*, 5bcgi, 8a) On the high-coherence of kHz QPOs.
XX Oph	*Goswami, A., Rao, N.K., Lambert, D.L.* 2001, Bull. Astron. Soc. India 29, 295. (2o) The nature as an interacting binary.

	Sobotka, P. 2004, IBVS 5571. (1ad, 5a) Deep minimum after 37 years.
V2400 Oph	*Revnivtsev, M.G. et al.* (5 authors) 2004, LeAZh, 30, 848.(2dx, 5c) Broadband x-ray spectrum of IP.
V2540 Oph	2004, IAU Circ. 8449 (1a, 5b) Periodic variation detected.
FZ Ori	*Rukmini, J., Rao, P.V., Ausekar, B.D.* 2001, Bull. Astron. Soc. India 29, 323. (1bo, 5c) A solution of B and V light curves.
V1149 Ori (HD 37824)	*Fekel, F.C., Henry, G.W.* 2005, AJ 129, 1669. (1b, 2a, 5dg) Chromospherically active star.
V1642 Ori (RX J0529.4+0041)	*Covino, E. et al.* (5 authors) 2004, A&A 427, 637. (1i, 1bo, 2a*, 5cde) Low-mass pre-main sequence eclipsing system.
V344 Pav	*Uemura, M., Mennickent, R., Stubbings, R.* 2004, IBVS 5569. (1ao, 5b) New SU UMa-type dwarf nova.
V393 Pav	*Pandel, D., Córdova, F.A.* 2005, ApJ 620, 416. (1aox, 2x, 5j) Highly variable mass transfer in polar.
RU Peg	*Hamilton, R.T., Sion, E.M.* 2004, PASP 116, 926. (5gi, 8a) New model using recent parallax.
	Sion, E.M. et al. (5 authors) 2004, AJ 128, 1834. (2cdu, 8bd) Model fits to FUSE spectra in quiescence.
LQ Peg	*Kafka, S., Honeycutt, R.K.* 2005, IBVS 5597. (1ao, 5c) Extended low state in 2003.
V621 Per	*Southworth, J. et al.* (4 authors) 2004, MNRAS 355, 986. (1ao*, 2aco, 5bcdeg) Physical parameters and modelling.
UV Psc	*Radhika, P., Rao, P.V.* 2001, Bull. Astron. Soc. India 29, 317. (5c) Solution of a light curve.
	Kjurkchieva, D.P. et al. (4 authors) 2005, AJ 129, 1084. (1bc, 2ad, 5cde) Variable light curve, active binary.
VZ Psc	*Qian, S.B. et al.* (5 authors), 2004, Astron. Nachr. 325, 714. (1ao, 5ab).
AZ Psc (HD 217188)	*Fekel, F.C., Henry, G.W.* 2005, AJ 129, 1669. (1b, 2a, 5dg) Chromospherically active star.
V Pup	*Antokhina, E.A., Seifina, E.V., Cherepashchuk, A.M.* 2005, AZh 82, 123. (1bo, 5c) Gravity-darkening coefficients for components of semi-detached binary.
VV Pup	*Pandel, D., Córdova, F.A.* 2005, ApJ 620, 416. (1aox, 2x, 5j) Highly variable mass transfer in polar.
V347 Pup	*Thoroughgood, T.D. et al.* (10 authors) 2005, MNRAS 357, 881. (1ao, 2abc, 5abcdeghijk) Physical parameters and modelling.
V445 Pup (Nova 2001)	*Lynch, D.K. et al.* (6 authors) 2004, AJ 128, 2962. (2di, 5gj) Emission from nebula surrounded by dust shell.
V574 Pup	2004, IAU Circ. 8443 (1ac, 2ac, 6b) Apparent new nova.
	2004, IAU Circ. 8445 (1ad) Designation and new data.
	2004, IAU Circ. 8447 (2ci) Strong HI emission.
UU Sge	*Barman, T.S., Hauschildt, P.H., Allard, F.* 2004, ApJ 614, 338. (8c) Model atmosphere for irradiated star in a pre-CV system.
V1223 Sgr	*Revnivtsev, M. et al.* (5 authors) 2004, A&A 426, 253. (2x, 5i) IP.
V4138 Sgr (HD 181809)	*Fekel, F.C., Henry, G.W.* 2005, AJ 129, 1669. (1b, 2a, 5dg) Chromospherically active star.
V4743 Sgr	2004, IAU Circ. 8435 (1x) Still a supersoft x-ray source.
	Petz, A. et al. (4 authors) 2005, A&A 431, 321. (2dx, 5g)

V4745 Sgr	*Csák, B. et al.* (5 authors) 2005, A&A 429, 599. (2do, 5gj)
AK Sco	*Manset, N., Bastien, P., Bertout, C.* 2005, AJ 129, 480. (1b, 3a, 5i) Orbital variations in polarization.
V1187 Sco	2004, IAU Circ. 8415 (1a) BVRI magnitudes. 2004, IAU Circ. 8417 (2ci) Features at coronal phase.
β Sct (HD 173764)	*Parsons, S.B., Franz, O.G., Wasserman, L.H.* 2005, AJ 129, 1700. (4b, 5d) HST FGS orbit.
NN Ser	*Barman, T.S., Hauschildt, P.H., Allard, F.* 2004, ApJ 614, 338. (8c) Model atmosphere for irradiated star in a pre-CV system. *Haefner, R. et al.* (4 authors) 2004, A&A 428, 181. (1ao, 5e, 5g)
UZ Tau East	*Martín, E.L. et al.* (4 authors) 2005, A&A 429, 939. (2aco, 5bj) *Huerta, M., Hartigan, P., White, R.J.* 2005, AJ 129, 985. (2d, 5gi) Forbidden oxygen lines from circumbinary gas.
DQ Tau	*Huerta, M., Hartigan, P., White, R.J.* 2005, AJ 129, 985. (2d, 5gi) Forbidden oxygen lines from circumbinary gas.
V725 Tau (3A 0535+262)	*Mukherjee, U., Paul, B.* 2005, A&A 431, 667. (2dx, 5i) quiescent state. *Zaitseva, G.V.* 2005, LeAZh 31, 116 (1bo, 5c). Further photometry of x-ray binary: new activity cycle.
V1128 Tau	*Hawkins, N.C. et al.* (4 authors) 2005, IBVS 5612. (1ao, 5abc, 6d) UBVRI analysis of EB.
ST Tri	*Samec, R.G. et al.* (8 authors) 2005, IBVS 5609. (1a, 5bc, 6d) BVRI observations near contact system.
SW UMa	*Povich, M.S. et al.* (4 authors) 2004, ApJ 617, 500. (2bcu) FUSE spectra during quiescence.
VV UMa	*Kim, S.-L. et al.* (6 authors) 2005, IBVS 5598. (1a, 5ac) Short-periodic pulsating component.
AR UMa	*Hoard, D.W. et al.* (7 authors) 2004, AJ 128, 1894. (2cdu, 5g) Far-UV spectra confirm presence of strong magnetic field.
DV UMa	*Feline, W.J. et al.* (4 authors) 2004, MNRAS 355, 1. (1ao, 5abce) Three-colour photometry and system parameters.
IY UMa	*Rolfe, D.J. et al.* (6 authors) 2005, MNRAS 357, 69. (1ao, 2c, 5cdghi) Multi-epoch photometry.
KV UMa (XTE J1118+480)	*Gualandris, A. et al.* (4 authors) 2005, ApJ 618, 845. (1*, 2ux*) Position is a result of asymmetric supernovae explosion. *Khruzina, T.S. et al.* (5 authors) 2005, AZh 82, 99 (5e) Interpretation of light curve in model without collision between flow and disk. *McClintock, J.E., Narayan, R., Rybicki, G.B.* 2004, ApJ 615, 402 (2cx*) Lack of thermal emission taken as evidence of event horizon. *Yuan, F., Wei, C., Narayan, R.* 2005, ApJ 620, 905. (2*oux, 5i, 8) Accretion-jet model for black hole binaries.
γ^2 Vel	*Henley, D.B., Stevens, I.R., Pittard, J.M.* 2005, MNRAS 356, 1308. (2cx*, 5abcg, 8a) Probing the wind-wind collision.
AW Vir	*Zboril, M., Djurasevic, G.* 2004, IBVS 5574. (1bo, 5ac) BV photometry of active over-contact binary.
BH Vir	*Kjurkchieva, D.P. et al.* (4 authors) 2004, A&A 424, 993. (1bo, 2ao, 5cd)
GR Vir	*Qian, S.-B., Yang, Y.-G.* 2004, AJ 128, 2430. (1a, 1b*, 5abc)
NN Vir	*Pazhouhesh, R., Melendo, E.G.* 2004, Astron. Nachr. 325, 702. (1ao, 2ao, 5cde).

RX Vol	*Schmidtobreick, L. et al.* (5 authors) 2005, IBVS 5604. (1a, 2bc, 6d) Dwarf nova in quiescence.
UY Vol (EXO 0748−676)	*Sidoli, L., Parmar, A.N., Oosterbroek, T.* 2005, A&A 429, 291. (2x) *Villarreal, A.R., Strohmayer, T.E.* 2004, ApJ 614, L121. (2cx) Detection/measurement of NS spin frequency.
V407 Vul (RX J1914+24)	*Barros, S.C.C. et al.* (8 authors) 2005, MNRAS 357, 1306. (1ax*, 5ceg, 8a) Checking the validity of the unipolar inductor model. *Ramsay, G. et al.* (7 authors) 2005, MNRAS 357, 49. (1ax, 5bcg, 8a) *XMM-Newton* observations and modelling.

HR, HD, HDE, BD, CoD, CPD, SAO Objects

HR 1099	*Frasca, A., Lanza, A.F.* 2005, A&A 429, 309. (2aou*, 5a)
HR 4049	*Antoniucci, S., Paresce, F., Wittkowski, M.* 2005, A&A 429, L1. (4ci, 5e)
HD 23642	*Southworth, J., Maxted, P.F.L., Smalley, B.* 2005, A&A 429, 645. (1ao*, 2ao*, 5e)
HD 37824	(see V1149 Ori)
HD 92024	*Freyhammer, L.M. et al.* (6 authors) 2005, A&A 429, 631. (2abo, 5e)
HD 150136	*Niemela, V.S., Gamen, R.C.* 2004, MNRAS 356, 974. (2abc, 5deg) Spectral classification and orbital solution.
HD 153720	*Yushchenko, A.V. et al.* (6 authors) 2004, A&A 425, 171. (2o, 5gh) SB2 system with twin metallic-line components.
HD 153919 (4U 1700−37)	*Abubekerov, M.K.* 2004, AZh 81, 714. (2ao, 5c) Mass of compact object.
HD 166181	(see V815 Her)
HD 173764	(see β Sct)
HD 173977	(see HN Dra)
HD 181809	(see V4138 Sgr)
HD 191612	*Walborn, N.R. et al.* (10 authors) 2004, ApJ 617, L61. (2ao) 538-day oscillation probably due to stellar companion.
HD 217188	(see AZ Psc)
HDE 330036	*Pereira, C.B., Smith, V.V., Cunha, K.* 2005, A&A 429, 993. (2ao, 5hj)
BD +59°224	*Gray, R.O., Staff, B.A.* 2004, PASP 116, 1123. (2b, 6b) New ζ Aur system.
CD −26°13521	*Otero, S.A.* 2005, IBVS 5608. (1a, 5b) Discovery of eclipses in emission line star.

X-ray sources with constellation names

Cir X-1	(see BR Cir)
Cyg X-1	(see V1357 Cyg)
Cyg X-3	(see V1521 Cyg)
Her X-1	(see HZ Her)

Object names including RA and DEC

ASAS 002511+1217.2	2004, IAU Circ. 8410 (1a, 4a, 6b) New CV.
	Golovin, A. et al. (14 authors) 2005, IBVS 5611. (1ao, 5b) Multicolour observations.
4U 0115+63	2004, IAU Circ. 8411 (1x) Burst of transient pulsar.
J015543.40+002807.2	*Schmidt, G.D. et al.* (9 authors) 2005, ApJ 620, 422. (1aox, 2d, 3b, 5ej) Model of polar.
	Wiehahn, M. et al. (4 authors) 2004, MNRAS 355, 689. (1ao, 3ao, 5abcegi) Physical parameters derived from photometric and polarimetric observations.
KUV 01584−0939	(see ES Cet)
J040714.78−064425.1	*Ak, T. et al.* (4 authors) 2005, Publ. Astron. Soc. Australia 21, 105. (1ao) Establishment of its dwarf nova nature.
RX J0529.4+0041	(see V1642 Ori)
3A 0535+262	(see V725 Tau)
A0620−00	*Shahbaz, T. et al.* (8 authors) 2004, MNRAS 354, 31. (1ao, 2ad, 5cdgi) Spectrophotometric study of the optical variability.
HS 0728+6738	*Rodríguez-Gil, P. et al.* (5 authors) 2004, A&A 424, 647. (1ao, 2ou, 5cd) New SW Sex star.
PSR J0737−3039	*Campana, S, Possenti, A., Burgay, M.* 2004, ApJ 613, L53. (2cx) Two component model (blackbody plus power law).
	Demorest, P. et al. (7 authors) 2004, ApJ 615, L137. (3ar) Measurement of orientations of spin and dipole axes.
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	Morrison, I.A. et al. (4 authors) 2004, ApJ 617, L135. (8a) Moment of inertia of binary pulsar.
	Willems, B., Kalogera, V, Henninger, M. 2004, ApJ 616, 414. (8c) Examine constraints on the natal kick.
	Zhang, B., Loeb, A. 2004, ApJ 614, L53. (8b) A model for the flaring radio emission.
EXO 0748−676	(see UY Vol)
RX J0806.3+1527	*Barros, S.C.C. et al.* (8 authors) 2005, MNRAS 357, 1306. (1ax*, 5ceg, 8a) Checking the validity of the unipolar inductor model.
2S 0921−630	(see V395 Car)

IE 1048.1−5937	*Gaensler, B.M. et al.* (6 authors) 2005, ApJ 620, L95. (1r*) Expanding H shell centred on magnetar, blown by massive progenitor?
XTE J1118+480	(see KV UMa)
SBS 1150+599A	*Tovmassian, G.H. et al.* (6 authors) 2004, ApJ 616, 485. (2bcou) Discovery of close binary nucleus in PN G135.9+55.9.
GRS 1227+025	*Grindlay, J.E.* 2005, ApJ 618, 852. (1, 2x) EXITE2 observations.
J132411.57+032050.5	*Szkody, P. et al.* (9 authors) 2004, AJ 128, 2443. (1x, 5a) CV has very low x-ray luminosity.
GS 1354−64	(see BW Cir)
PSR B1534+12	*Thorsett, S.E., Dewey, R.J.* 2005, ApJ 619, 1036. (8ac) Study of relativistic binary pulsar.
	Willems, B., Kalogera, V, Henninger, M. 2004, ApJ 616, 414. (8c) Examine constraints on the natal kick.
4U 1543−47	*Buxton, M.M., Bailyn, C.D.* 2004, ApJ 615, 880 (1aio) Observed during 2002 outburst.
4U 1543−624	*Wang, Z., Chakrabarty, D.* 2004, ApJ 616, L139. (5be) Period determination, confirmation as ultracompact binary.
XTE J1550−564	*Kubota, A., Done, C.* 2004, MNRAS 353, 980. (1bx, 5gi, 8ab) Accretion disc structure.
J155331.12+551614.5	*Szkody, P. et al.* (9 authors) 2004, AJ 128, 2443. (1x, 5a) CV has very low x-ray luminosity.
RX J1554.2+2721	*Gansicke, B.T. et al.* (7 authors) 2004, ApJ 613, L141. (2bu) Measured magnetic field strength and effective temperature of WD.
4U 1608−52	(see QX Nor)
4U 1630−47	*Abraham, L. et al.* (4 authors) 2001, Bull. Astron. Soc. India 29, 365. (2x) Spectral analysis and burst properties.
IGR J16318−4848	*Chaty, S., Filliatre, P.* 2005, Ap&SS 297, 235. (1ai, 1ao, 6c) New HMXB.
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4U 1636−53	*Misra, R., Shanthi, K.* 2004, MNRAS 354, 945. (1bx, 5bgi) On the incidence of kHz QPOs.
PSR J1640+2224	*Löhmer, O. et al.* (4 authors) 2005, ApJ 621, 388. (1r, 5ce) Some parameters determined from relativistic Shapiro delay.
XTE J1650−500	*Corbel, S. et al.* (5 authors) 2004, ApJ 617, 1272. (1rx) Origin of radio emission in x-ray states in outburst.
	Orosz, J.A. et al. (4 authors) 2004, ApJ 616, 376. (1ao, 5b) Improved period, orbital parameters.
4U 1700−37	(see HD 153919)
4U 1705−44	*Agrawal, V.K. et al.* (4 authors) 2001, Bull. Astron. Soc. India 29, 361. (2x) Type I x-ray bursts.
XTE J1709−267	*Jonker, P.G. et al.* (6 authors) 2004, MNRAS 354, 666. (1abxo, 2d, 5gi, 6c) Optical and x-ray observations.
PSR J1713+0747	*Splayer, E.M. et al.* (5 authors) 2005, ApJ 620, 405. (1r, 5ef) Orbital orientation and other parameters determined. Results used as test of equivalence principle.
XTE J1720−318	*Brocksopp, C. et al.* (8 authors) 2005, MNRAS 356, 125. (1air, 2cgi) Modelling the 2003 radio outburst.
	Cadolle Bel, M. et al. (16 authors) 2004, A&A 426, 659. (2dx) LMXB.

PSR J1744−3922	*Faulkner, A.J. et al.* (12 authors) 2004, MNRAS 355, 147. (1r) Finding binary and millisecond pulsars.
EXO 1745+248	*Wijnands, R. et al.* (8 authors) 2005, ApJ 618, 883. (1, 2x) Hard quiescent observations.
4U 1755−33	*Park, S.Q. et al.* (4 authors) 2005, ApJ 618, L45. (1x) Diffuse emission.
PSR J1801−1417	*Faulkner, A.J. et al.* (12 authors) 2004, MNRAS 355, 147. (1r) Finding binary and millisecond pulsars.
PSR J1802−2124	*Faulkner, A.J. et al.* (12 authors) 2004, MNRAS 355, 147. (1r) Finding binary and millisecond pulsars.
SAX J1808.4−3658	*Campana, S. et al.* (9 authors) 2004, ApJ 614, L49. (2co) Indirect evidence for rotation-powered NS during quiescence.
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XTE J1810−197	*Halpern, J.P., Gotthelf, E.V.* 2005, ApJ 618, 874. (1, 2x) Pulsed light curve fading from outburst.
XTE J1814−338	*Sudip, B. et al.* (4 authors) 2005, ApJ 619, 483. (1x, 8b) Modelling burst oscillation light curves.
4U 1822−000	*Wang, Z., Chakrabarty, D.* 2004, ApJ 616, L139. (1ao) Variability on 90 minute timescale.
RX J1826.2−1450	*Martocchia, A., Motch, C., Negueruela, I.* 2005, A&A 430, 245. (1x, 5i)
X1908+075	*Levine, A.M. et al.* (4 authors) 2004, ApJ 617, 1284. (1x, 5ej) Neutron star in orbit with black-hole progenitor?
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PSR B1913+16	*Willems, B., Kalogera, V, Henninger, M.* 2004, ApJ 616, 414. (8c) Examine constraints on the natal kick.
RX J1914+24	(see V407 Vul)
IGR J19140+0951	*Rodriguez, J. et al.* (6 authors) 2005, A&A 432, 235. (2dx, 5i) NS component.
GRS 1915+105	(see V1487 Aql)
XTE J2012+381	*Yao, Y. et al.* (5 authors) 2005, ApJ 619, 446. (8b) Corona size estimated using Monte Carlo simulations.
EXO 2030+375	*Wilson, C.A., Fabregat, J., Coburn, W.* 2005, ApJ 620, L99. (1ix) Undergoing periodic spin-up, spin-down cycle?
J210014.12+004446.0	*Tramposch, J. et al.* (8 authors) 2005, PASP 117, 262. (1b, 2d, 5b) CV of SU UMa class, similar to V503 Cyg.
SAX J2103.5+4545	*Blay, P. et al.* (6 authors) 2004, A&A 427, 293. (2dx) HMXB.
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X 2127+119	*van Zyl, L. et al.* (4 authors) 2004, A&A 428, 935. (2ao) Mass ratio not confirmed.
RX J2130.6+4710	*Maxted, P.F.L. et al.* (8 authors) 2004, MNRAS 355, 1143. (1ao, 2bc, 5abcdegj) An eclipsing white dwarf–M-dwarf binary star.
PSR J2145−0750	*Löhmer, O. et al.* (6 authors) 2004, A&A 426, 631. Parallax, mass and age from radio timing data.
HS 2219+1824	*Rodríguez-Gil, P. et al.* (7 authors) 2005, A&A 431, 269. (1ao, 2aco, 5i)
HS 2331+3905	*Araujo-Betancor, S. et al.* (9 authors) 2005, A&A 430, 629. (1ao, 2ao, 5bj)

GSC 2336−0281 — *Samec, R.G. et al.* (8 authors) 2005, IBVS 5610. (1ao, 5abc) UBVRI observations of G-type contact system.

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BW3 V38 — *Maceroni, C., Montalbán, J.* 2004, A&A 426, 577. (1ai*, 2ao, 5cde) Shortest-period M-dwarf binary.

CAL 83 — *Lanz, T. et al.* (6 authors) 2005, ApJ 619, 517. (1, 2x, 5g) Modelling burst oscillation light curves.

Cyg OB2 #8A — *De Becker, M., Rauw, G., Manfroid, J.* 2004, A&A 424, L39. (2ao, 5d) New O6 + O5.5 binary.

GD 245 — *Barman, T.S., Hauschildt, P.H., Allard, F.* 2004, ApJ 614, 338. (8c) Model atmosphere for irradiated star in a pre-CV system.

GX 1+4 — *Naik, S., Paul, B., Callanan, P.J.* 2005, ApJ 618, 866. Low-state observations. (1, 2x)

GX 301-2 — (see BP Cru)

Her 04 — *Price, A. et al.* (33 authors) 2004, PASP 116, 1117. (1a, 2d, 6b) New CV.

KH 15D — *Knacke, R., Fajardo-Acosta, S., Tokunaga, A.T.* 2004, AJ 128, 2977. (2di, 5i) Spectroscopy through eclipse of young EB.

M15 CV1 — *Shara, M.M. et al.* (5 authors) 2004, AJ 128, 2847. (1a, 6b) Identification of variable as dwarf nova.

M22 CV — *Bond, I.A. et al.* (21 authors) 2005, ApJ 620, L103. (1ao) Multiple outbursts.

SS 433 — (see V1343 Aql)

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2004, IAU Circ. 8423 (1a, 2a, 4a) Additional observations.

SMC X-1 — *Neilsen, J., Hickox, R.C., Vrtilek, S.D.* 2004, ApJ 616, L135. (2cx) Phase variation in the pulse profile modelled by precession in the AD.

Nova in M31 — 2005, IAU Circ. 8461 (1ac, 4a, 6b) Apparent new nova.
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Nova in M31 — *Williams, B.F. et al.* (5 authors) 2005, ApJ 620, 723. (1x, 6b) X-ray nova.

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