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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

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2. Spectroscopic data

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

3. Polarimetry

a. Broad-band b. Spectropolarimetry

4. Astrometry

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b. New or improved ephemeris, period variations
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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

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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

λ And	*Frasca, A. et al.* (5 authors) 2008, A&A 479, 557. (1ao, 2co) Surface activity study.
TW And	*Kreiner, J.M. et al.* (5 authors) 2008, MNRAS 383, 1506. (1ao, 5abcef) Period analysis.
EG And	*Crowley, C., Espy, B.P., McCandliss, S.R.* 2008, ApJ 675, 711. (2ui) Monitoring of symbiotic EB.
QX And	*Qian, S.-B. et al.* (5 authors) 2007, AJ 134, 1475. (1ao, 5abc) Deep over-contact binary in open cluster NGC 752.
V455 And	2007, IAU Circ. 8868 (1d) Designation and magnitudes of CV. 2007, IAU Circ. 8876 (1ad)
R Aqr	*McIntosh, G.C., Rustan, G.* 2007, AJ 134, 2113. (2a*, 5d) Long period from RVs differs from that from astrometry.
AE Aqr	*Terada, Y. et al.* (10 authors) 2008, PASJ, 60, 387. (1x, 2dx) Dsicovery of hard x-ray pulsations.
V609 Aql	*Turner, D.G. et al.* (5 authors) 2008, Observatory 128, 2. (1ao, 5abcj)
V1333 Aql (Aql X-1)	*Barret, D., Boutelier, M., Coleman Miller, M.* 2008, MNRAS 384, 1519. (1x*, 5bcgi, 8a) Analysis of the kHz QPOs. *Wenfei, Y., Dolence, J.* 2007, ApJ 667, 1043. (2cx) Observation of hard-to-soft state transition.
V1343 Aql (SS 433)	*Blundell, K.M., Bowler, M.G., Schmidtobreick, L.* 2007, A&A 474, 903. (2o, 5i) Fluctuations and symmetry in the speed and direction of the jets on different timescales. *Lockman, F.J., Blundell, K.M., Goss, W.M.* 2007, MNRAS 381, 881. (1r, 2a, 5j) Distance to SS 433 and related SNR W50 determined.
V1487 Aql (GRS 1915+105)	*Dhawan, V. et al.* (4 authors) 2007, ApJ 668, 430. (4cr) History inferred from kinematics. *Rodriguez, J. et al.* (16 authors) 2008, ApJ 675, 1436. (1rx) Two-month observing campaign. *Soleri, P., Belloni, T., Casella, P.* 2008, MNRAS 383, 1089. (1x*, 5bcgi) A study of QPOs.
V1494 Aql	*Tkachenko, S.S., Pavlenko, E.P., Goranskij, V.P.* 2007, Odessa Astronom. Publ. 20, part 2, 131. (1b, 5bc) Spectral and photometric study of the Nova V1494 Aql = 1999 N2 in years 2003-2006.
V1663 Aql	*Lane, B.F. et al.* (6 authors) 2007, ApJ 669, 1150. (4ci) Measured distance of 8.9 kpc.
V1665 Aql	*Ibanoğlu, C. et al.* (13 authors) 2007, MNRAS 380, 1422. (1ao, 2ao, 5cdef) Eccentric SB2 Algol system.
V821 Ara (GX 339-4)	*Liu, B.F. et al.* (4 authors) 2007, ApJ 671, 695. (8d) Model of coronal gas condensing onto a cool inner AD.
UX Ari	*Rosario, M.J., Raveendran, A.V., Mekkaden, M.V.* 2007, A&A 474, L41. (1bo, 5c)
WZ Ari (HD 19485)	*Fekel, F.C., Bolton, C.T.* 2007, AJ 134, 2079. (2ab, 5d) Chromospherically active SB2.
XY Ari	*Norton, A.J., Mukai, K.* 2007, A&A 472, 225. (2dx, 5i) Precessing accretion disc in an intermediate polar CV.

AG Ari	*Ibanoğlu, C. et al.* (13 authors) 2007, MNRAS 380, 1422. (1ao, 2ao, 5cdef) Eccentric SB2 Algol system.
ϵ Aur	*Golovin, A., Kuznetsova, Yu., Andreev, M.* 2007, Odessa Astronom. Publ. 20, part 1, 55. (2bc) High-resolution spectroscopy of long-period EB.
TU Boo	*Lee, J.W., Kim, H.-L, Kim, S.-L.* 2007, PASP 119, 1099. (1ao, 5abcg) Period study and spot model.
AS Cam	*Borkovits, T., Forgács-Dajka, E., Regály, Z.* 2007, A&A 473, 191. (5f) Tidal and rotational effects in perturbations of hierarchical triple systems.
BY Cam	*Babina, Yu.V., Pavlenko, E.P., Andreev, M.V.* 2007, BCrAO, 104, 161. (1b, 5b) Light-curve analysis of asynchronous polar in low accretion state at different beat phases.
γ CMi	*Scarfe, C.D.* 2008, Observatory 128, 14. (2a, 5d) SB2 with evolved components.
AM CVn	*Wade, R.A., Eracleous, M., Flohic, H.M.L.G.* 2007, AJ 134, 1740. (2du, 5gi) SED extended with Hubble STIS data.
η Car	*Damineli, A. et al.* (17 authors) 2008, MNRAS 384, 1649. (2c, 5bg) Periodicity of events.
DW Car	*Harmanec, P.* 2008, A&A 480, 213. (2co*) No Be binary component.
V395 Car	*Shahbaz, T., Watson, C.A.* 2007, A&A 474, 969. (2o, 5ek) *Steeghs, D., Jonker, P.G.* 2007, ApJ 669, L85. (2co, 5e) Compact object is typical mass NS.
V574 Car (WR 30a)	*Falceta-Gonçalves, D., Abraham, Z., Jatenco-Pereira, V.* 2008, MNRAS 383, 258. (2abc, 5degj) Modelling the line variations from the wind-wind shock emissions.
RZ Cas	*Lehmann, H., Mkrtichian, D.E.* 2008, A&A 480, 247. (2ao) Spectroscopic monitoring.
EY Cas	*Zasche, P., Wolf, M., Kotková, L.* 2008, IBVS 5812 (1a, 5abc) First LC analysis.
LL Cas	*Kondratyeva, L.N., Denissyuk, E.K.* 2008, A&A 479, 529. (1ao, 2c) Pulsating cool giant component.
QX Cas	*Kjurkchieva, D.P., Marchev, D.V., Zola, S.* 2007, MNRAS 382, 835. (1a*, 2a, 5bcdeg) Spectroscopic solution.
V615 Cas (LS I +61°303)	*Romero, G.E. et al.* (4 authors) 2007, A&A 474, 15. (8abd) Accretion vs. colliding-wind models for the γ-ray binary.
V723 Cas	2008, IAU Circ. 8907 (2ci) Emission lines from nova.
BV Cen	*Watson, C.A. et al.* (4 authors) 2007, MNRAS 382, 1105. (1a, 2ac, 5abcdeg) Roche tomography of the secondary star.
V779 Cen (Cen X-3)	*Suchy, S. et al.* (10 authors) 2008, ApJ 675, 1487. (1x, 2x) Analysis of data covering two binary orbits. *van der Meer, A. et al.* (5 authors) 2007, A&A 473, 523. (2ao, 5d) Determination of the HMXB NS mass.
V830 Cen (1E1145.1−6141)	*Ferrigno, C. et al.* (5 authors) 2008, A&A 479, 533. (2x, 5i) Temporary AD in pulsar component.
RS Cha	*Woollands, R. et al.* (5 authors) 2007, Southern Stars, 46, 7. (2ad) Both components are δ Sct variables.
AE Cir	*Mennickent, R. et al.* (7 authors) 2008, MNRAS 383, 845. (1aio, 1ao*, 2abco, 5abcdeg) A photometric and spectroscopic study.

BR Cir (Cir X-1)	*D'Aí et al.* (4 authors) 2007, ApJ 671, 2006. (2xc) Plasma environment. *Iaria, R. et al.* (6 authors) 2008, ApJ 673, 1033. (5e) Evidence for x-ray jet near periastron. *Schulz, N.S. et al.* (4 authors) 2008, ApJ 672, 1091. (1ax, 2x) Warm absorber.
AL Com	*Uemura, M.A. et al.* (11 authors) 2008, IBVS 5815 (1a) Outburst of a WZ Sge-type dwarf nova.
R CrB	2007, IAU Circ. 8859 (1d) Visual estimates of fading.
U CrB	*Grigorenko, V.D. et al.* (4 authors) 2007, Odessa Astronom. Publ. 20, part 2, 44. (1cd) Some results of observations in 1856-2007.
RT Cru	*Luna, G.J.M., Sokoloski, J.L.* 2007, ApJ 671, 741. (2cx, 5i) Hard UV spectrum arises from AD boundary layer around massive WD.
BP Cru (GX 301-2)	*Moon, D-S. et al.* (6 authors) 2007, ApJ 671, L53. (2bi) Multiple continuous emission components.
BZ Cru (HD 110432)	*Lopes de Oliveira, R. et al.* (5 authors) 2007, A&A 474, 983. (1ao, 2cdx) HMXB
SS Cyg	*Price, A. et al.* (23 authors) 2007, PASP 119, 1361. (1ab) Photometric outburst predictors not found. *Schreiber, M.R., Lasota, J.-P.* 2007, A&A 473, 897. (5i) *Kromer, M., Nagel, T., Werner, K.* 2007, A&A 475, 301. (5i, 8b)
EM Cyg	*Csizmadia, Sz. et al.* (6 authors) 2008, Astron. Nachr. 329, 39. (1ao, 5abj) O-C analysis of eclipsing Z Cam-type dwarf nova.
V382 Cyg	*Qian, S.-B. et al.* (6 authors) 2007, MNRAS 380, 1599. (5ab,8cd) Evolutionary state of O-type overcontact system discussed.
V404 Cyg	*Bradley, C.K. et al.* (6 authors) 2007, ApJ 667, 427. (2cx) Quiescent spectrum fitted with power law.
V1016 Cyg	*Lee., H-W., Kang, S.* 2007, ApJ 669, 1156. (2bco, 5i) AD emission model.
V1143 Cyg	*Albrecht, S. et al.* (5 authors) 2007, A&A 474, 565. (2ao, 5d) Spin axes orbital alignment from the Rossiter-McLaughlin effect.
V1341 Cyg (Cyg X-2)	*Titarchuk, L., Kuznetsov, S., Shaposhnikov, N.* 2007, ApJ 667, 404. (2cx) Correlations between spectral and timing characteristics.
V1357 Cyg (Cyg X-1)	*Zdziarski, A.I.A.A., Poutanen, J.* 2007, MNRAS 381, 723. (1rx, 5i, 8b) Theoretical interpretation of x-ray and radio emission modulations.
V1500 Cyg	*Litvinchova, A.A., Pavlenko, E.P., Shugarov, S.Yu.* 2007, Odessa Astronom. Publ. 20, part 1, 112. (1a, 5a) Photometry of asynchronous polar at various phases of the synodic cycle in years 2005-2006.
V1504 Cyg	*Pavlenko, E.P., Berezina, E.* 2007, Odessa Astronom. Publ. 20, part 1, 174. (1a) Outbursts.
V1521 Cyg (Cyg X-3)	*Beckmann, V. et al.* (11 authors) 2007, A&A 473, 903. (2dx, 5g) Transition from the ultrasoft to the hard state in the HMXB. *Hjalmarsdotter, L. et al.* (7 authors) 2008, MNRAS 384, 278. (1gx, 5ceg, 8ac) On the nature of the hard state. *Lindfors, E.J. et al.* (7 authors) 2007, A&A 473, 923. (2dr, 5g) Synchrotron flaring.
V1727 Cyg (4U 2129+47)	*Bozzo, E. et al.* (11 authors) 2007, A&A 476, 301. (1x, 5b) Triple nature.
V1817 Cyg (HR 7428)	*Busà, I., Catanzaro, G.* 2007, MmSAI 78, 660. (2ac*) Study of outer atmosphere.

V2080 Cyg	*Ibanoglu, C. et al.* (12 authors) 2008, MNRAS 384, 331. (1ao, 2abo, 5abcdeg) A photometric and spectroscopic study.
V2467 Cyg	2007, IAU Circ. 8888 (2ci) Coronal lines from nova. 2007, IAU Circ. 8905 (2ci) Coronal lines from nova.
V2468 Cyg	2008, IAU Circ. 8927 (1a, 2c, 4a, 6b) Features of classical nova. 2008, IAU Circ. 8928 (1ad, 2co) Designation, magnitudes and emission lines.
RW Dor	*Marino, B.F. et al.* (4 authors) 2007, Publ. Astron. Soc. Australia, 24, 199. (1o, 5bc) LC analyses.
TW Dra	*Zejda, M., Mikulasek, Z.* 2007, Odessa Astronom. Publ. 20, part 1, 235. (1b, 5bc) Oscillations.
BX Dra	*Sánchez-Bajo, F., García-Melendo, E., Gómez-Forrellad, J.M.* 2007, Ap&SS 312, 151. (1ao*, 2ao*, 5e)
CX Dra	*Pustylnik, I. et al.* (4 authors) 2007, Odessa Astronom. Publ. 20, part 1, 186. (1b, 5c) On quasi-periodic intrinsic light variability in close SB.
UX Eri	*Qian, S.-B. et al.* (6 authors) 2007, AJ 134, 1769. (1ao, 5abc, 8c) Period changes and third light indicate existence of third component.
EF Eri	*Campbell, R.K., et al.* (4 authors) 2008, ApJ 672, 531. (2r) Spectroscopy of polars I.
YY Gem	*Gao, D. H. et al.* (4 authors) 2008, MNRAS 384, 1355. (5bg, 8ac) Simulations of the periodic flaring rate.
TT Her	*Kreiner, J.M. et al.* (5 authors) 2008, MNRAS 383, 1506. (1ao, 5abcef) Period analysis.
YY Her	*Hric, L., Gális, R.* 2007, MmSAI 78, 400. (1ao, 5c) Study of envelope nature.
BO Her	*Sumter, G.C., Beaky, M.M.* 2007, IBVS 5798 (1a, 5c) δ Scuti component discovered.
HS Her	*Çakırlı, Ö., Ibanoğlu, C., Frasca, A.* 2007, A&A 474, 579. (2ao, 5cde)
HZ Her (Her X-1)	*Boroson, B.S. et al.* (4 authors) 2007, ApJ 667, 1087. (2bcu) Signatures of disk and wind found.
DI Hya	*Manimanis, V.N., Niarchos, P.G.* 2007, IBVS 5808 (1a, 5c, 6c) First LC analysis.
EX Hya	*Beuermann, K., Reinsch, K.* 2008, A&A 480, 199. (2ao, 5e) Kinematic study and Roche tomography.
UV Leo	*Kjurkchieva, D.P., Marchev, D.V.* 2007, MNRAS 381, 663. (1ao, 2ao, 5cdek) Fundamental parameters of short-period RS CVn binary.
T LMi	*Li, L.-F. et al.* (5 authors) 2007, PASJ, 59, 1121. (5b) Sudden period changes.
RT LMi	*Qian, S.-B. He, J.-J., Xiang, F.-Y.* 2008, PASJ, 60, 77. (1bo, 5bc) Ambiguity of the A- and W-subtype classification for this system.
VW LMi	*Sánchez-Bajo, F., García-Melendo, E., Gómez-Forrellad, J.M.* 2007, Ap&SS 312, 151. (1ao*, 2ao*, 5e)
GW Lib	*Hilton, E.J. et al.* (7 authors) 2007, AJ 134, 1503. (1ox) HMM Newton data show no pulsation.
EX Lup	*Kospal, A. et al.* (6 authors) 2008, IBVS 5819 (1a, 2c) Extreme outburst in 2008.
β Lyr	*Ignace, R. et al.* (5 authors) 2008, A&A 477, L37. (2x) No eclipse in the soft band.

V419 Lyr	*Rutkovski, A. et al.* (6 authors) 2007, Acta Astronomica 57, 267 (1a, 5b) July 2006 superoutburst.
RW Mon	*Li, L.-F. et al.* (5 authors) 2007, PASJ, 59, 1121. (5b) Sudden period changes.
V616 Mon (A0620−00)	*Cantrell, A.G. et al.* (4 authors) 2008, ApJ 673, L159 (1aoi) Passive, loop, and active LC states of BH candidate.
	Neilsen, J., Steeghs, D., Vrtilek, S.D. 2008, MNRAS 384, 849. (2abc, 5degi) Spectroscopic observations and analysis.
V838 Mon	*Munari, U. et al.* (15 authors) 2007, A&A 474, 585. (1ao, 2co) Eclipse of the B3V companion and flaring of emission lines.
	Sparks, W.B. et al. (13 authors) 2008, AJ 135, 605. (3a) Distance and luminosity from polarimetry of light echo.
η Mus	*Bakiş, V. et al.* (4 authors) 2007, MNRAS 382, 609. (1a, 2a, 5abcdeg) A photometic and spectroscopic study.
TU Mus	*Qian, S.-B. et al.* (6 authors) 2007, MNRAS 380, 1599. (5ab, 8cd) Evolutionary state of O-type overcontact system discussed.
GR Mus (XB 1254−690)	*Barnes, A.D. et al.* (7 authors) 2007, MNRAS 380, 1182. (1x, 2ao, 5e) Spectroscopic detection of donor star and mass constraints for both components.
QX Nor	*Keek, L. et al.* (6 authors) 2008, A&A 479, 177. (1x) First superburst from a classical LMXB.
V381 Nor (XTE J1550−564)	*Xue, Y., Wu, X-B., Cui, W.* 2008, MNRAS 384, 440. (1x*r, 5cegi) Modelling the broad-band spectral energy distribution.
RS Oph	*Kantharia., N.G. et al.* (7 authors) 2007, ApJ 667, L171. (2cr) First low-frequency radio detection during outburst.
	Nelson, T. et al. (6 authors) 2008, ApJ 673, 1067. (2cx) Outburst observations.
V2216 Oph (GX 9+9)	*Cornelisse, R. et al.* (7 authors) 2007, MNRAS 380, 1219. (2ac, 5bdj) Mass function, mass ratio and K_2 of LMXB; Doppler maps show mass exchange.
V2365 Oph	*Ibanoglu, C. et al.* (12 authors) 2008, MNRAS 384, 331. (1ao, 2abo, 5abcdeg) A photometric and spectroscopic study.
μ Ori	*Muterspaugh, M.W. et al.* (9 authors) 2008, AJ 135, 766. (4a, 5e) High-precision differential astrometry, combined with spectroscopic orbits, yields masses in quadruple system.
σ Ori AB	*Caballero, J.A.* 2008, MNRAS 383, 750. (1ai*o*, 5ceg, 7cd) Determination of mass, distance and age.
AU Peg	*Jurkovic, M. et al.* (4 authors) 2007, Astron. Nachr. 328, 837. (1bo, 5ab) Pulsating Cepheid in SB2 binary with rapid decrease of pulsation period.
II Peg	*Frasca, A. et al.* (5 authors) 2008, A&A 479, 557. (1ao, 2co) Surface activity study.
IP Peg	*Ribeiro, T. et al.* (5 authors) 2007, A&A 474, 213. (1ai, 5c) Dwarf nova.
X Per	*La Palombara, N., Mereghetti, S.* 2007, A&A 474, 137. (2dx, 5g) Be/NS HMXB.
AW Per	*Massa, D., Evans, N.R.* 2008, MNRAS 383, 139. (2bc, 5bdeg) Determination of the angular separation of the components.

V622 Per	*Malchenko, S.L., Tarasov, A.E., Yakut, K.* 2007, Odessa Astronom. Publ. 20, part 1, 120. (2a, 5d) Duplicity and evolution status of early-type Be star.
16 Psc	*Tomkin, J., Fekel, F.C.* 2008, AJ 135, 555. (2a, 5dk)
DV Psc	*Zhang, X.B., Zhang, R.X.* 2007, MNRAS 382, 1133. (1a, 5abceg) Multi-colour CCD photometry and modelling.
V574 Pup	2007, IAU Circ. 8906 (2ci) Coronal lines from nova.
V597 Pup	2007, IAU Circ. 8895 (1ad, 4a, 6b) Apparent nova.
	2007, IAU Circ. 8896 (1d, 2c) Balmer lines from nova.
	2007, IAU Circ. 8902 (1a, 2ci) Strong He-lines.
	2008, IAU Circ. 8911 (2cix) X-ray detection.
V598 Pup	2007, IAU Circ. 8898 (1ad, 2c, 4a) Nova features and designation.
	2007, IAU Circ. 8899 (1a, 6b) Discovery of apparent nova.
	2007, IAU Circ. 8901 (2ci) Coronal lines from nova.
U Sge	*Manzoori, D.* 2008, Ap&SS 313, 339. (1ao*, 5c) Confirmation of mass transfer.
WZ Sge	*Steeghs, D. et al.* (6 authors) 2007, ApJ 667, 442. (2bco, 5e) Dynamic constraints on masses of components.
HM Sge	*Lee. H-W., Kang, S.* 2007, ApJ 669, 1156. (2bco, 5i) AD emission model.
V4580 Sgr (SAX J1808.4−3658)	*Hartman, J.M. et al.* (9 authors) 2008, ApJ 675, 1468. (1x, 5b) Seven-year timing survey.
	Leahy, D.A., Morsink, S.M., Cadeau, C. 2008, ApJ 672, 1119. (1x, 5e)
V4634 Sgr (GS 1826−24)	*Heger, A. et al.* (4 Authors) 2007, ApJ 671, L141. (1x)
V5097 Sgr (WR 104)	*Tuthill, P.G. et al.* (6 authors) 2008, ApJ 675, 698. (4c) Extensive study of binary WR 'pinwheel'.
V5116 Sgr	*Dobrotka, A., Retter, A., Liu, A.* 2008, A&A 478, 815. (1ao, 5b) Search for superhump.
	Sala, G. et al. (4 authors) 2008, ApJ 675, L93. (2x) Eclipsing supersoft postoutburst nova?
V5558 Sgr	2007, IAU Circ. 8874 (1a, 2ci) Coronal lines from nova.
	Henden, A., Munari, U. 2007, IBVS 5803 (4a, 6d) Photometric sequences and astrometric positions.
σ Sco	*North, J.R. et al.* (5 authors) 2007, MNRAS 380, 1276. (4c, 5e) Fundamental parameters of SB within multiple system.
V818 Sco (Sco X-1)	*D'Ai, A. et al.* (6 authors) 2007, ApJ 667, 411. (2cx*) Broadband spectral evolution along colour-colour diagram.
V1033 Sco (GRO J1655−40)	*González Hernández, J.I., Rebolo, R., Israelian, G.* 2008, A&A 478, 203. (2oc, 5g) Improved chemical analysis of secondary.
	Migliari, S. et al. (9 authors) 2007, ApJ 670, 610. (2ciorx) Traced the jet contribution during 2005 outburst.
	Senziani, F. et al. (6 authors) 2007, A&A 476, 1297. (1x, 2x) Outburst monitoring.
VY Scl	*Hamilton, R.T., Sion, E.M.* 2008, PASP 120, 165. (2du, 5gi, 8ab) Far-uv study of nova-like variable.
RY Sct	*Grundstrom, E.D. et al.* (8 authors) 2007, ApJ 667, 505. (2bco, 5ej) Mass of either star, matter leaving system.

V479 Sct (LS 5039)	*Bosch-Ramon, V. et al.* (8 authors) 2007, A&A 473, 545. (2dx, 5g) Connection between the stellar wind and the non-thermal emission. *Dubus, G., Cerutti, B., Henri, G.* 2008, A&A 477, 691. (1g) γ-ray modulation.
NP Ser (GX 17+2)	*Migliari, S. et al.* (10 authors) 2007, ApJ 671, 706. (1r, 2c, 5j) Relation between radio emission and hard W-ray tails.
Y Sex	*He, J.-J., Qian, S.-B.* 2007, PASJ, 59, 1115. (1co, 5b) Period variations with two periods.
EQ Tau	*Yuan, J., Qian, S.* 2007, MNRAS 381, 602. (1ao, 5bcde) Solar-type contact binary with spot activity.
V725 Tau (A 0535+262) (HDE 245770)	*Caballero, I. et al.* (14 authors) 2008, A&A 480, L17. (1x, 2x, 5i) Pre-outburst flare study. *Giovannelli, F. et al.* (4 authors) 2007, A&A 475, 651. (2co, 5i) HeI doubled emission lines in HMXB. *Hill, A.B. et al.* (9 authors) 2007, MNRAS 381, 1275. (1x) INTEGRAL detection of transient Be/x-ray binary during quiescent phase; periodic pulses and spin-down rate discussed. *Naik, S. et al.* (12 authors) 2008, ApJ 672, 516.(1x, 2x) *Postnov, K. et al.* (6 authors) 2008, A&A 480, L21. (5i) Magnetospheric instability in flaring.
FL TrA	*Imada, A. et al.* (7 authors) 2008, PASJ, 60, 267. (1ao) Superhump periods.
UX UMa	*Khruzina, T.S. et al.* (4 authors) 2007, AZh 84, 357. (1b, 5e, 8a) Structure of accretion disk in CV in the transition to its quiescent state.
FF UMa (2RE J0933+624)	*Gálvez, M.C. et al.* (5 authors) 2007, A&A 472, 587. (2ao, 5bcg) Orbital period variation.
W UMi	*Kreiner, J.M. et al.* (5 authors) 2008, MNRAS 383, 1506. (1ao, 5abcef) Period analysis.
LU Vel (GL 375)	*Díaz, R.F. et al.* (4 authors) 2007, A&A 474, 345. (1bo*, 2ao, 5cd) Orbital parameters and chromospheric activity.
PT Vel	*Bakiş, V. et al.* (4 authors) 2008, MNRAS 384, 1657. (1ao*, 2a, 5abcdefg) Absolute dimensions and apsidal motion.
V390 Vel (IRAS 08544−4431)	*Deroo, P. et al.* (6 authors) 2007, A&A 474, L45. (4c) Circumbinary disc resolved.
MR Vir (HIP 68718)	*Anderson, M.W.B., Filipović, M.D.* 2007, MNRAS 381, 1027. (1r, 6b) Radio detection of new near-contact RS CVn-type F5 V + G5 V EB.
NY Vir (PG 1336−018)	*Hu, H. et al.* (6 authors) 2007, A&A 473, 569. (8abcd) Evolutionary study of pulsating sdB EB.
UY Vol (EXO 0748−676)	*Cottam, J. et al.* (7 authors) 2008, ApJ 672, 504. (1x, 2x) Burst spectra. *Wolff, M.T., Wood, K.S., Ray, P.S.* 2007, ApJ 668, L151. (2cx) Magnetic activity in the secondary.
NO Vul	*Zasche, P., Wolf, M., Kotková, L.* 2008, IBVS 5812 (1a, 5abc) First LC analysis.
V407 Vul (RX J1914.4+2456)	*Ramsay, G.* 2008, MNRAS 384, 687. (1x, 2cd, 5cg, 8ab) The x-ray spectrum.
V458 Vul (Nova 2007)	2007, IAU Circ. 8861 (1acd, 4a, 6b) Possible nova. 2007, IAU Circ. 8862 (2c) Emission lines with P-Cyg profiles. 2007, IAU Circ. 8863 (1ad) Designation of nova. 2007, IAU Circ. 8878 (1d)

	2007, IAU Circ. 8883 (2ci) Low-excitation lines.
	2007, IAU Circ. 8904 (2ci) Variety of line profiles.
	Henden, A., Munari, U. 2007, IBVS 5803 (4a, 6d) Photometric sequences and astrometric positions.
	Tarasova, T.N. 2007, IBVS 5807 (2c) Early spectral evolution.
V459 Vul	2008, IAU Circ. 8907 (1ad, 4a, 6b) Discovered and confirmed nova.

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

HR 2962	*Tomkin, J., Fekel, F.C.* 2008, AJ 135, 555. (2a, 5dk)
HR 6046	*Torres, G.* 2007, AJ 134, 1916. (4b, 5e, 8a) Hipparcos intermediate data combine with spectroscopic orbit to yield masses and evolutionary state.
HR 7428	(see V1817 Cyg)
HD 10262	*Griffin, R.F.* 2007, Observatory 127, 379. (2a, 5d) Eccentric SB2.
HD 19485	(see WZ Ari)
HD 107346	*Straižys, V., Sperauskas, J., Boyle, R.P.* 2008, Baltic Astronomy 17, 113. (2a, 5d) Orbit of SB containing a very hot component.
HD 110432	(see BZ Cru)
HD 116127	*Griffin, R.F.* 2007, Observatory 127, 379. (2a, 5d) Eccentric SB2.
HD 191612	*Howarth, I.D. et al.* (20 authors) 2007, MNRAS 381, 433. (2abo, 5bgk) Spectroscopic analysis of magnetic O6.5fpe III + O8fp V SB2 system.
HD 214686	*Tomkin, J., Fekel, F.C.* 2008, AJ 135, 555. (2a, 5dk)
HDE 245770	(see V725 Tau)
HDE 330036	*Angeloni, R. et al.* (4 authors) 2007, A&A 472, 497. (5g) Gas and dust spectra of the D' type symbiotic star.
BD+39°1828	*Bartkevičius, A., Boyle, R.P., Sperauskas, J.* 2008, Baltic Astronomy 17, 103. (2a, 5d) High-velocity spectroscopic binary orbits from photoelectric radial velocities: a triple system.

X-ray sources with constellation names

Aql X-1	(see V1333 Aql)
Cen X-3	(see V779 Cen)
Cir X-1	(see BR Cir)
Cyg X-1	(see V1357 Cyg)
Cyg X-2	(see V1341 Cyg)
Cyg X-3	(see V1521 Cyg)
Her X-1	(see HZ Her)
Sco X-1	(see V818 Sco)

Objects with names including RA and DEC

2MASS J00132268+0540093 (GSC 00008-00901)	*Parimucha, Š. et al.* (5 authors) 2008, Ap&SS 313, 419. (1ao, 5e)

IGR J00234+6141	*Bonnet-Bidaud, J.M. et al.* (5 authors) 2007, A&A 473, 185. (1ao, 2ao, 2dx, 5cde) CV identified as an intermediate polar.
IGR J00291+5934	*D'Avanzo, P. et al.* (6 authors) 2007, A&A 472, 881. (1aoi) Optical counterpart of LMXB in quiescence. *Torres, M.A.P., et al.* (13 authors) 2008, ApJ 672, 1079. (1ari) Observations in outburst and quiescience.
AX J0058−7203	*Haberl, F., Pietsch, W.* 2007, A&A 476, 317. (1x, 5b) Timing analysis of binary pulsar in SMC.
2MASS J00592888−2631054 (LTT 560)	*Tappert, C. et al.* (6 authors) 2007, A&A 474, 205. (1aou, 2ao, 5cde) Pre-CV.
PG 0101+039	*Geier, S. et al.* (6 authors) 2008, A&A 477, L13. (1ao) Tidal synchronization.
2MASS J01170514−7326360 (SMC X-1)	*Trowbridge, S., Nowak, M.A., Wilms, J.* 2007, ApJ 670, 624. (1x, 5b) Tracking the orbital and superorbital periods. *van der Meer, A. et al.* (5 authors) 2007, A&A 473, 523. (2ao, 5d) Determination of the HMXB NS mass. *Wojdowski, P.S., Liedahl, D.A., Kallman, T.R.* 2008, ApJ 673, 1023. (1x, 2x, 5j) Spatial distribution of He-ions.
4U 0520−72 (LMC X-2)	*Cornelisse, R. et al.* (7 authors) 2007, MNRAS 381, 194. (2ao, 5bd) Constraints on system parameters. *Lavagetto, G. et al.* (5 authors) 2008, A&A 478, 181. (2x*, 5i) Spectral analysis.
1RXS J052430.2+424449 (Paloma)	*Schwarz, R. et al.* (7 authors) 2007, A&A 473, 511. (1ao, 2dx*, 5i) Missing link in magnetic CV evolution?
1RXS J053246.1−662203 (LMC X-4)	*van der Meer, A. et al.* (5 authors) 2007, A&A 473, 523. (2ao, 5d) Determination of the HMXB NS mass.
A 0535+262	(see V725 Tau)
2MASS J05351113−0536511 (PAR 1802)	*Cargile, P.A., Stassin, K.G., Mathieu, R.D.* 2008, ApJ 674, 329. (1ai, 2a, 5cde) PMS eclipsing binary in Orion.
2MASS J05352184−0546085	*Reiners, A. et al.* (5 authors) 2007, ApJ 671, L149. (2oi) BD binary, primary component is the cooler, due to strong magnetic fields inhibiting convection.
1RXS J053855.6−640457 (LMC X-3)	*Smith, D.M., Dawson, D.M., Swank, J.H.* 2007, ApJ 669, 1138. (2cx) Discovery of hysteresis between x-ray spectrum and luminosity.
2MASS J05393883−6944356 (LMC X-1)	*Cooke, R. et al.* (4 authors) 2007, ApJ 667, L163. (2co) First evidence of jet?
1RXS J054648.3−710924 (CAL 87)	*Oliveira, A.S., Steiner, J.E.* 2007, A&A 472, L21. (1ao, 5a) An evolved wind-driven supersoft XB.
CTCV J0549−4921	*Imada, A. et al.* (7 authors) 2008, PASJ, 60, 267. (1ao) Superhump periods.
A0620−00	(see V616 Mon)
2MASS J06443435+3344566	*Sing, D.K. et al.* (7 authors) 2007, A&A 474, 951. (1ao, 2ao, 5cde, 6b) Eclipsing CV.
PSR J0737−3039	*Chatterjee, S. et al.* (5 authors) 2007, ApJ 670, 1301. (1x) Pulsed x-rays with the period of J0737-3039A; B not detected.
SDSS J074531.91+453829.5	*Mukadam, A.S. et al.* (7 authors) 2007, ApJ 667, 433. (1bo) Accreting pulsating WD in CV.
EXO 0748−676	(see UY Vol)

SDSS J080531.84+481233.0	*Burgasser, A.J.* 2007, AJ 134, 1330. (2di, 8a) Spectrum interpreted as that of unresolved L dwarf-T dwarf binary.
IRAS 08544−4431	(see V390 Vel)
SDSS J091945.10+085710.0	*Mukadam, A.S. et al.* (7 authors) 2007, ApJ 667, 433. (1bo) Accreting pulsating WD in CV.
SDSS J0921+2038	*Schmidt, G.D. et al.* (4 authors) 2008, PASP 120, 160. (2d, 3b, 6b) New magnetic CV.
2RE J0933+624	(see FF UMa)
SDSS J102146.44+234926.3	*Umemura, M. et al.* ()29 authors) 2008, PASJ, 60, 227. (1aio) Outburst observations of a new WZ Sge-type CV.
IGR J11215−5952	*Sidoli, L. et al.* (7 authors) 2007, A&A 476, 1307. (1x, 2x, 5i) New hypothesis for outburst.
1E1145.1−6141	(see V830 Cen)
PG 1234+482	*Steele, P.R. et al.* (4 authors) 2007, MNRAS 382, 1804. (1a*, 2bci, 5deg) Near-infrared spectroscopy of the low mass companion.
XB 1254−690	(see GR Mus)
SDSS J1333+1437	*Schmidt, G.D. et al.* (4 authors) 2008, PASP 120, 160. (2ad, 3b, 6b) New magnetic CV.
PG 1336−018	(see NY Vir)
SDSS J150722.30+523039.8	*Littlefair, S.P. et al.* (6 authors) 2007, MNRAS 381, 827. (1ao, 5cej) CV probably formed by a brown dwarf + WD merger.
XTE J1550−564	(see V381 Nor)
SDSS J155252.48+320150.9	*Roelofs, G.H.A. et al.* (5 authors) 2007, MNRAS 382, 1643. (2bc, 5bdeg, 8c) A spectroscopic study.
IGR J16318−4848	*Moon, D-S. et al.* (6 authors) 2007, ApJ 671, L53. (2bi) Multiple continuous emission components.
GRO J1655−40	(see V1033 Sco)
2MASS J16562962−0834387 (LS IV−08°3)	*Stark, M.A. et al.* (7 authors) 2008, AJ 135, 99. (1ao, 2ado, 5d, 6b)
SAX J1712.6−3739	*Fiocchi, M. et al.* (4 authors) 2008, A&A 477, 239. (2x) Persistent hard x-rays.
4U 1728−34	*Shrader, C.R., Reig, P., Kazanas, D.* 2007, ApJ 667, 1063. (2cx*) Spectral and temporal properties.
XTE J1739−285	*Zhang, C.M. et al.* (5 authors) 2007, PASP 119, 1108. (8a) Possible quark-star component if high spin rate is confirmed.
H 1743−322	*Xue, Y., Wu, X-B., Cui, W.* 2008, MNRAS 384, 440. (1x*r, 5cegi) Modelling the broad-band spectral energy distribution.
GRO J1744−28	*Gosling, A.J. et al.* (4 authors) 2007, MNRAS 380, 1511. (1ai, 2bi) IR detection of two candidate counterparts of bursting pulsar.
XTE J1751−305	*Papito, A. et al.* (5 authors) 2008, MNRAS 383, 411. (1x*, 5bcegj, 7cd) Orbital and timing parameters.
Swift J1753.5−0127	*Liu, B.F. et al.* (4 authors) 2007, ApJ 671, 695. (8d) Model of coronal gas condensing onto a cool inner AD.
Swift J1756.9−2508	*Krimm, H.A. et al.* (13 authors) 2007, ApJ 668, L147. (2cgx, 5e) Range of mass for low-mass companion.
1RXS J180431.1−273932	*Nucita, A.A., Carpano, S., Guainazzi, M.* 2007, A&A 474, L1. (2dx, 5g) A new M-type x-ray binary with a 494-s pulse period NS?

XTE J1807−294	*Riggio, A. et al.* (7 authors) 2007, MNRAS 382, 1751. (1x*, 5bceg, 7cd) Determination of orbital parameters.
SAX J1808.4−3658	(see V4580 Sgr)
XTE J1817−330	*Sala, G. et al.* (5 authors) 2007, A&A 473, 561. (2dx, 5gi) BH candidate.
GS 1826−24	(see V4634 Sgr)
XTE J1829−098	*Halpren, J.P., Gotthelf, E.V.* 2007, ApJ 669, 579. (1bi, 2cx) IR counterpart identified.
HETE J1901.1−2455	*Elebert, P. et al.* (7 authors) 2008, MNRAS 383, 1581. (1ao, 2abco, 5bcdegi) Optical photometry and spectroscopy.
RX J1914.4+2456	(see V407 Vul)
GRS 1915+105	(see V1487 Aql)
2MASS J20200045+0437564 (NSVS 14256825)	*Wils, P., Di Scala, G., Otero, S.A.* 2007, IBVS 5800 (1a, 5abc, 6b) New HW Vir type system.
IRAS 20349+4010 (WR 147)	*Zhekov, S.A.* 2007, MNRAS 382, 886. (1x, 5dg, 8acd) Colliding stellar wind models.
SAX J2103.5+4545	*Camero Arranz, A. et al.* (4 authors) 2007, A&A 473, 551. (2dx, 5c) Long-term pulse profile study of the Be/x-ray pulsar in the HMXB.
4U 2129+47	(see V1727 Cyg)
RX J2133.7+5107	*Katajainen, S. et al.* (5 authors) 2007, A&A 475, 1011. (1bo, 3a, 5c) Discovery of polarized emission from the intermediate polar CV.

Galactic objects with other designations

CAL 87	(see 1RXS J054648.3−710924)
CS 22876-032	*González Hernández, J.I. et al.* (18 authors) 2008, A&A 480, 233. (2co, 5h) Extremely metal-poor dwarfs components.
GL 375	(see LU Vel)
GSC 00008-00901	(see 2MASS J00132268+0540093)
GSC 04778-00152	*Tuvikene, T. et al.* (4 authors) 2008, Baltic Astronomy, 17, 79. (1b, 5c) Contact binary with a visual companion.
GX 9+9	(see V2216 Oph)
GX 17+2	(see NP Ser)
GX 301-2	(see BP Cru)
GX 339-4	(see V821 Ara)
HIP 68718	(see MR Vir)
Lanning 386	*Brady, S. et al.* (7 authors) 2008, PASP 120, 301. (1a, 2bd, 5ab) Dwarf nova or SW Sex star?
LS 5039	(see V479 Sct)
LS I +61°303	(see V615 Cas)
LS IV −08°3	(see 2MASS J16562962−0834387)
LTT 560	(see 2MASS J00592888−2631054)
NSVS 14256825	(see 2MASS J20200045+0437564)
PAR 1802	(see 2MASS J05351113−0536511)
SS 433	(see V1343 Aql)

UNSW-V-500	*Christiansen, J.L. et al.* (7 authors) 2007, MNRAS 382, 239. (1a, 2a, 5abcdeg, 6b) Discovery of the first high-amplitude δ Scuti star in an eclipsing binary.
WD 0137-349A/B	*Iorio, L.* 2007, Ap&SS 312, 337. (8a) Dynamical constraints on parameters.
WR 30a	(see V574 Car)
WR 104	(see V5097 Sgr)
WR 147	(see IRAS 20349+4010)

Extragalactic close binaries

HD 5980	*Foellmi, G. et al.* (17 authors) 2008, Rev. Mex. Astron. Astrofiz. 44, 3. (2ad, 5dej) Luminous binary in SMC.
LMC X-1	(see 2MASS J05393883−6944356)
LMC X-2	(see 4U 0520−72)
LMC X-3	(see 1RXS J053855.6−640457)
LMC X-4	(see 1RXS J053246.1−662203)
SMC X-1	(see 2MASS J01170514−7326360)
M31N-2007-06B	*Shafter, A.W., Quimby, R.M.* 2007, ApJ 671, L121. (2co) He/N Nova in M31 globular cluster.
M31N 2007-11d	2007, IAU Circ. 8898 (1a, 6b) Discovery of apparent nova.
M31N 2007-12b	2008, IAU Circ. 8907 (2ci) Notably broad FWHM lines for a nova.
M33	*Grimm, H.-J. et al.* (5 authors) 2007, ApJ Suppl 173, 70. (2cx, 6b) Detection of x-ray binaries.
M33 X-7	*Orosz, J.A. et al.* (11 authors) 2007, Nature 449, 872. (1ao, 2ao, 2dx*, 5cde) EB with 15.65 solar mass BH in M33.
NGC 4472	*Zepf, S.E. et al.* (6 authors) 2007, ApJ 669, L69. (1o, 2bcox) Study of the environment around the XRB in this cluster.
NGC 7331	*Abolmasov, P.K. et al.* (6 authors) 2007, ApJ 668, 124. (2bo) Nebular emission powered by BH in XRB.
IC 10 X-1	*Prestwich, A.H. et al.* (9 authors) 2007, ApJ 669, L21. (2cx, 5e) Massive BH in detached system, BH accreting wind from Wolf-Rayet star.
Holmberg IX VI	*Prieto, J.L. et al.* (17 authors) 2008, ApJ 673, L59. (1ao, 5c, 6b) Discovery of yellow supergiant EB in dwarf galaxy?
SN 2004dt	*Altavilla, G. et al.* (21 authors) 2007, A&A 475, 585. (2co) Early spectral evolution of the type Ia SN.
SN 2007on	*Voss, R., Nelemans, G.* 2008, Nature 451, 802. (1ao*, 2dx*, 6c) Discovery of the progenitor of the type Ia SN.
SXP6.85	*McGowan, K.E. et al.* (6 authors) 2008, MNRAS 384, 821. (1aox, 2bc, 5bcdg, 8ab) Optical and x-ray variability.
SXP46.6	*McGowan, K.E. et al.* (6 authors) 2008, MNRAS 384, 821. (1aox, 2bc, 5bcdg, 8ab) Optical and x-ray variability.
X41.4+60	*Feng, H., Kaaret, P.* 2007, ApJ 668, 941. (2x) Source of quasi-periodic oscillations.

X42.3+59 *Feng, H., Kaaret, P.* 2007, ApJ 668, 941. (2x) Compact object may be intermediate mass black hole.

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