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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

o And	*Olević, D., Cvetković, Z.* 2006, AJ 131, 1721. (4a, 5e) New astrometric solution indicates primary, not secondary, is SB.
Z And	*Sokoloski, J.L. et al.* (13 authors) 2006, ApJ 636, 1002. (1, 2oux) Combination nova (nuclear runaway on the WD and optically thick shell ejection and dispersal).
BX And	*Kermani, M.H., Jassur, D.M.Z., Rahimi-Ardabili, M.Y.* 2005, Ap&SS 299, 307. (1ao, 5c)
CN And	*Jassur, D.M.Z., Khodadadi, A.* 2006, J. Ap. & Astron. 27, 47. (1o, 5cdej) Photometric modelling.
AE Aqr	*Itoh, K. et al.* (4 authors) 2006, ApJ 639, 397. (2x, 8b) Observations of hot plasma.
FF Aqr	*Sipahi, E. et al.* (4 authors) 2005, MmSAI 76, 627. (1bo, 5c)
V1182 Aql	*Mayer, P., Dreschsel, H., Lorenz, R.* 2005, ApJ Supp. 161, 171. (1ao, 2do, 5e) Third body, spectral type O5.5.
V1343 Aql (SS 433)	*Barnes, A.D. et al.* (7 authors) 2006, MNRAS 365, 296. (2aco, 5degi, 8a) Absorption features and their origin.
	Chakrabarti, S.K. et al. (11 authors) 2005, MNRAS 362, 957. (1abiorx, 2aco) Multiwavelength campaign.
	Fuchs, Y., Koch Miramond, L., Ábrahám, P. 2006, A&A 445, 1041. (2ci, 5j) Similar to WR.
	Nazarenko, V.V., Glazunova, L.V. 2005, AZh 82, 928. (8b) Formation of AD, including radiative cooling in explicit form, convective thermal conductivity and radiation pressure.
	Nazarenko, V.V., Glazunova, L.V., Nazarenko, S.V. 2005, AZh 82, 914. (8b) Three-dimensional hydrodynamical modelling of AD formation.
	Revnivtsev, M. et al. (10 authors) 2006, A&A 447, 545. (2aorx, 5i)
V1379 Aql	*Sipahi, E. et al.* (4 authors) 2006, Baltic Astron. 15, 199. (1b, 5b) A correlation between the variations of photometric period and mean brightness.
V1487 Aql (GRS 1915+105)	*Choudhury, M. et al.* (6 authors) 2005, ApJ 631, 1072. (2dx) Evidence of truncated AD.
	Kaiser, C.R. et al. (4 authors) 2005, Ap&SS 300, 283. (8ad) Is it a microquasar?
	Mikles, V.J., Eikenberry, S.S., Rothstein, D.M. 2006, ApJ 637, 978. (1x, 2x) QPO frequency behaviour.
V1663 Aql	2005, IAU Circ. 8640 (2cio) Spectral features of peculiar nova.
FU Ara	*Barani, C. et al.* (4 authors) 2005, Astron. Nachr. 326, 731. (1bo, 5c) Semi-detached EB system.
V821 Ara (GX 339-4)	*Nowak, M.* 2005, Ap&SS 300, 159. (2rx) Monitoring.
UY Aur	*Contreras, M.E., Wilkin, F.P.* 2006, Rev. Mex. Astron. Astrofis. 42, 15. (1r, 5i) 3.6 cm emission from bipolar outflow.
WW Aur	*Southworth, J. et al.* (5 authors) 2005, MNRAS 363, 529. (1bo, 2ao, 5cdegh) Absolute dimensions and high metallicity derived for detached EB.
ZZ Aur	*Oh, K.-D. et al.* (5 authors) 2006, MNRAS 366, 1243. (1ao, 5abce) Period variation and LC analysis.

FS Aur	*Neustroev, V.V. et al.* (4 authors) 2005, MNRAS 362, 1472. (1ao, 5k) High-speed photometry of CV reveals precessing rapidly rotating WD component.
V410 Aur	*Yang, Y.-G., Qian, S.-B., Zhu, L.-Y.* 2005, AJ 130, 2252. (1aoi, 5abcj) Deep overcontact W UMa.
XY Boo	*Yang, Y.-G., Qian, S.-B., Zhu, L.-Y.* 2005, AJ 130, 2252. (1aoi, 5abcj) Deep overcontact W UMa.
SV Cam	*Jeffers, S.V. et al.* (4 authors) 2006, MNRAS 366, 667. (1ao, 5ceg) Unresolved star-spot distributions.
	Sanz-Forcada, J., Favata, F., Micela, G. 2006, A&A 445 673. (1x, 3g) Eclipse of a flare.
BY Cam	*Honeycutt, R.K., Kafka, S.* 2005, MNRAS 364, 917. (1ao, 5abcg) A period study.
	Schwarz, R. et al. (4 authors) 2005, A&A 444, 213. (2ao, 5i) Doppler tomography.
HL Cnc (HD 77191)	*Griffin, R.F.* 2005, Observatory 125, 323. (2a, 5d, 6b) BY Dra star is an SB1.
α CMa	*Barstow, M.A. et al.* (6 authors) 2005, MNRAS 362, 1134. (2abo, 5eg) HST STIS spectra of Sirius B used for spectral analysis and mass determination.
BG CMi	*Kim, Y.G. et al.* (4 authors) 2005, A&A 441, 663. (1ao) CV, orbital and spin variability of IP.
BO CVn	*Qian, S.-B., Zhu, L.-Y.* 2006, AJ 131, 1032. (1ao, 5abc)
η Car	*Abraham, Z. et al.* (5 authors) 2005, MNRAS 364, 922. (1r, 5ceg) Constraints to the binary orbital parameters.
	Gull, T.R., Kober, G.V., Nielson, K.E. 2006, ApJS 163, 173. (2acu) Observations during the 2003.5 minimum.
IV Cas	*Kim, S.-L. et al.* (6 authors) 2005, IBVS 5669. (1a, 5c, 6b) Short-periodic pulsating component.
PV Cas	*Yildiz, M.* 2005, MNRAS 363, 967. (5k, 8a) Model for differential rotation and comparison with Ap-type stars.
V662 Cas (4U 0114+65)	*Masetti, N. et al.* (8 authors) 2006, A&A 445, 653. (2cx, 5i)
	Mukherjee, U., Paul, B. 2006, J. Ap. & Astron. 27, 47. (1x, 2x) Spectral characteristics of high and low states.
V709 Cas	*Falanga, M., Bonnet-Bidaud, J.M., Suleimanov, V.* 2005, A&A 444, 561. (2x, 5i)
V723 Cas	2006, IAU Circ. 8676 (2dx) Still in outburst.
V779 Cen (Cen X-3)	*Iaria, R. et al.* (6 authors) 2005, ApJ 634, L161. (2cdx) Resolution of Fe XXV triplet.
	Paul, B., Raichur, H., Mukherjee, U. 2005, A&A 442, L15. Accretion mode changes in HMXB.
V822 Cen (Cen X-4)	*D'Avanzo, P. et al.* (7 authors) 2005, A&A 444, 905. (2ao, 5ei) Doppler tomography.
ϵ Cep	*Libich, J. et al.* (12 authors) 2006, A&A 446, 583. (2ao, 5bd)
EK Cep	*Claret, A.* 2006, A&A 445, 1061. (5f, 8c) Fit with standard models.
RS Cha	*Alecian, E. et al.* (5 authors) 2005, A&A 442, 993. (1ao, 2acd, 5d)
	Alecian, E. et al. (5 authors) 2006, MmSAI 77, 93. (5eh, 8c) Test of stellar models.

BR Cir (Cir X-1)	*Ding, G.Q., Qu, J.L., Li, T.P.* 2006, AJ 131, 1693. (1x*, 5gi)
RZ Com	*Qian, S.-B., He, J.-J.* 2005, PASJ 57, 977. (1ab, 5b) Period study.
SS Com	*Qian, S.-B., Zhu, L.-Y.* 2006, AJ 131, 1032. (1ao, 5abc)
V691 CrA (X1822−371)	*Muñoz-Darias, T., Casares, J., Martínez-Pais, I.G.* 2005, ApJ 635, 502. (2dx, 5e) K-corrections to find mass ranges.
BF Cyg	*Leibowitz, E.M., Formiggini, L.* 2006, MNRAS 366, 675. (1cdo, 5bcg) Multiperiodic variations in the last 104-yr LC.
CH Cyg	*Bondar', N.I., Prokof'eva, V.V.* 2006, AZh 83, 49. (2d) Non-radial pulsation of the hot component during active phase. *Mikailov Kh.M., Khalilov, V.M.* 2005, KFNT 21, 452. (2c, 5e) Spectral investigations. *Schmidt, M.R. et al.* (4 authors) 2006, A&A 446, 603. (2ai, 2c, 5h)
V443 Cyg	*Zakirov, M.M., Eshankulova, M.V.* 2005, KFNT 21, 441. (1b, 5ce) CB systems in regions of OB-associations. III. V443 Cyg in Cyg OB9.
V836 Cyg	*Yakut, K. et al.* (4 authors) 2005, MNRAS 363, 1272. (1bo, 5abcj) Light curve analysis of near-contact EB.
V1147 Cyg	*Wetterer, C.J., Bloomer, R.H., Caton, D.B.* 2006, PASP 118, 436. (1ao, 5abcf)
V1341 Cyg (Cyg X-2)	*Costantini, E., Freyberg, M. J., Predehl, P.* 2005, A&A 444, 187. (2cx, 5i) Study of the halo. *Lavagetto, G. et al.* (10 authors) 2006, A&A 445, 1089. (2x, 5i) Possible hard x-ray emission.
V1357 Cyg (Cyg X-1)	*Cadolle Bel, M. et al.* (12 authors) 2006, A&A 446, 591. (2cx, 5i) *Focke, W.B., Wai, L.L., Swank, J.H.* 2005, ApJ 633, 1085. (7d) Time-domain studies of x-ray shot noise. *Hinz, S.* 2006, ApJ 636, 316. (1r) VLBI study of the jet. *Ibragimov, A. et al.* (4 authors) 2005, MNRAS 363, 1435. (2dx, 5gij) Dynamic corona versus hot inner disc model. *Karitskaya, E.A. et al.* (9 authors) 2006, IBVS 5678. (1c, 2d) Long-term variations of supergiant in HMXB Cyg X-1. *Nowak, M.* 2005, Ap&SS 300, 159. (2rx) Monitoring. *Pandey, M. et al.* (6 authors) 2006, A&A 447, 525. (1r) Variability study. *Wilms, J. et al.* (5 authors) 2006, A&A 447, 245. (2rx, 5i) Long-term variability study.
V1521 Cyg (Cyg X-3)	*Bednarek, W.* 2005, ApJ 631, 466. (8b) Calculation of muon neutrino spectrum. *Lommen, D. et al.* (5 authors) 2005, A&A 443, 231. Missing WR XB. *Pandey, M. et al.* (6 authors) 2006, A&A 447, 525. (1r) Variability study. *Pérez-Ramírez, D. et al.* (5 authors) 2005, MmSAI 76, 612. (5i) Fanaroff-Riley type II microquasar?
V1974 Cyg	*Hachisu, I., Kato, M.* 2005, ApJ 631, 1094. (5eh, 8a) Unified multiwavelength LC model. *Kato, M., Hachisu, I.* 2005, ApJ 633, L117. (5g) Modelling of LC in super-Eddington phase.
V2246 Cyg (EXO 2030+375)	*Camero Arranz, A. et al.* (7 authors) 2005, A&A 441, 261. (1axg) HMXB.
V2361 Cyg	2005, IAU Circ. 8641 (2cio) Spectral features.

40 Dra	*Balega, Yu.Yu., Leushin, V.V., Kuznetsov, M.K.* 2005, AZh 82, 1099. (5h) Atmospheric chemical abundances for components of SB in quadruple system ADS 11061.
δ Equ	*Muterspaugh, M.W. et al.* (7 authors) 2005, AJ 180, 2866. (1c, 2a*, 5e) Accurate masses and distance from astrometric-spectroscopic solution.
CP Eri	*Sion, E.M. et al.* (5 authors) 2006, ApJ 636, L125. (2u) Detection of WD primary component in AM CVn binary.
σ Gem	*Brown, J.M, Brown, A.* 2006, ApJ 638, L37. (1m) Large flare. *Nordon, R., Behar, E., Gümldel, M.* 2006, A&A 446, 621. (2x, 5i) Study of x-ray flare.
U Gem	*Smak J.* 2005, Acta Astronomica 55, 315. (5ij) Mass transfer during outburst and superoutburst.
AM Her	*Kafka, S. et al.* (4 authors) 2005, AJ 130, 2852. (1ai, 2adi, 5gi) Spectrophotometry in low state.
DQ Her	*Wood, M.A. et al.* (22 authors) 2005, ApJ 634, 570. (1ao) Hydrodynamic simulations of an edge-on disk.
LZ Her	*Kim, S.-L. et al.* (6 authors) 2005, PASP 117, 1394. (1ao, 5bc) Confirm W UMa system, not SX Phe star.
V513 Her	*Byboth, K.N., Markworth, N.L.* 2006, IBVS 5689. (1a, 5abc, 6d) Photometric analysis of CB.
V825 Her	*Ringwald, F.A., Chase, D.W., Reynolds, D.S.* 2005, PASP 117, 1223. (1ao, 2a, 5b) QPOs.
V842 Her	*Selam, S.O. et al.* (4 authors) 2005, Astron. Nachr. 326, 746. (1b, 5bc)
V934 Her (4U 1700+24)	*Tiengo, A. et al.* (7 authors) 2005, A&A 441, 283. (1ax) Redshifted x-ray emission line in the symbiotic NS binary.
RW Lac	*Lacy, C.H.S. et al.* (4 authors) 2005, AJ 130, 2838. (1ao, 2b, 5abcde) Accurate parameters for old eccentric system. *Wolf, M. et al.* (4 authors) 2006, IBVS 5682. (1a, 5ab) New photometric triple star.
MZ Lac	*Kozyreva, V.S., Kusakin, A.V., Wolf, M.* 2005, LeAZh 31, 922. (1b, 5ce) Study of the apsidal motion.
V401 Lac	*Bulut, I., Demirican, O.* 2006, PASJ 58, 159. (1b, 5bcd) Apsidal motion and photometric elements.
34 Leo	*Griffin, R.F.* 2005, Observatory 125, 388. (2a, 5de) Visual binary becomes SB2 near periastron.
GQ Leo	*Griffin, R.F.* 2005, Observatory 125, 323. (2a) BY Dra star has apparently constant velocity.
ϵ Lup	*Uytterhoeven, K. et al.* (4 authors) 2005, A&A 440, 249. (2ao, 5d)
V582 Mon (KH 15D)	*Hamilton, C.M. et al.* (17 authors) 2005, AJ 130, 1896. (1aoi, 5abi) Pre-main sequence binary's variable LC due to large obscuring screen.
V838 Mon	2005, IAU Circ. 8602 (2cr) Maser emission detected. 2005, IAU Circ. 8645 (2cdio) Spectral features and broad-band magnitudes. 2006, IAU Circ. 8655 (1aio, 2c). *Watson, A.M., Gómez, L., Costero, R.* 2006, Rev. Mex. Astron. Astrofis. 42, 19. (1i, 5g) Possible dust emission.
RS Oph	2006, IAU Circ. 8671 (1ad) Recurrent nova in outburst. 2006, IAU Circ. 8673 (1a, 2c) Magnitudes and spectra in outburst. 2006, IAU Circ. 8675 (2cox) Rapidly evolving x-ray source.

	2006, IAU Circ. 8677 (10b) 2006, IAU Circ. 8678 (2dr) Strong radio fluxes. 2006, IAU Circ. 8681 (1a) Additional photometry. 2006, IAU Circ. 8683 (1a, 2cx) Rich emission-line spectrum. 2006, IAU Circ. 8684 (2dr) Three-component structure? 2006, IAU Circ. 8687 (2dr) Radio fluxes.
V841 Oph	*Engle, S.G., Sion, E,.M.* 2005, PASP 117, 1230. (2du*, 5i) Models of IUE spectra indicate low accretion rate for old nova.
V2574 Oph (Nova 2004)	*Kang, T.W. et al.* (4 authors) 2006, AJ 131, 1687. (1ao, 5bi) Orbital and superhump periods.
V2575 Oph	2006, IAU Circ. 8671 (1a, 2c, 4a, 6b) Possible new nova. 2006, IAU Circ. 8676 (6) Designation.
θ^1 Ori E	2006, IAU Circ. 8669 (2bc, 5b, 6b) SB2 in the Orion Trapezium.
V1309 Ori	*Schwarz, R. et al.* (4 authors) 2005, A&A 442, 271. (1ax)
V1647 Ori	2006, IAU Circ. 8681 (1a) Short eruption.
κ Peg	*Muterspaugh, M.W. et al.* (8 authors) 2006, ApJ 636, 1020. (2a, 4c, 5e) Triple-star orbit solved.
56 Peg	*Frankowski, A., Jorissen, A.* 2006, Observatory 126, 25. (8a) Fast rotator seen nearly pole-on. *Griffin, R.F.* 2006, Observatory 126, 1. (2a, 5d) Low-amplitude BaII binary.
IP Peg	*Baptista, R. et al.* (5 authors) 2005, A&A 444, 201. (2ac, 5i) Study of spiral arms in CV.
β Per	*Li, L.-S.* 2006, AJ 131, 994. (8a) Effect of third body on orbit of secondary.
AB Per	*Kim, S.-L., Lee, C.-U., Lee, J.-W.* 2006, MmSAI 77, 184. (2co) Bona fide oEA-type.
RR Pic	*Ribiero, F.M.A., Diaz, M.P.* 2006, PASP 118, 84. (2ad, 5di) Tomographic study indicates low secondary mass.
V445 Pup	2005, IAU Circ. 8642 (2ci) Strong He I emission.
V574 Pup	2005, IAU Circ. 8643 (2cdio) Spectral features and broad-band magnitudes.
QU Sge	*Jeon, Y.-B. et al.* (5 authors) 2006, ApJ 636, L129. (1ab, 5c) Discovery of SX Phe pulsator in an EA system.
FN Sgr	*Brandi, E. et al.* (7 authors) 2005, A&A 440, 239. (1a, 2ao, 5cde)
V617 Sgr	*Steiner, J.E. et al.* (4 authors) 2006, A&A 447, L1. (1ao, 5b, 8d) Orbital evolution.
V3885 Sgr	*Hartley, L.E. et al.* (4 authors) 2005, MNRAS 363, 285. (2aco, 5di) Detection of spiral waves in a nova-like system.
V4641 Sgr (SAX J1819.3−2525)	*Lindstrœm, C. et al.* (7 authors) 2005, MNRAS 363, 882. (2abco, 5dj) Spectroscopy during outburst and quiescence of BH binary. *Maitra, D., Bailyn, C.D.* 2006, ApJ 637, 992. (2x, 5i) Observations during 2003 outburst.
V5117 Sgr	2006, IAU Circ. 8673 (1acd, 2c, 4a, 6b) New nova magnitudes.
W Ser	*Piirola, V. et al.* (4 authors) 2005, ApJ 632, 576. (3ao) Detection of high-latitude spot/jet.
V818 Sco (Sco X-1)	*Bulik, T.* 2005, Astron. Nachr. 326, 861. (9) Statistics of khz QPOs. *Casella, P., Belloni, T., Stella, L.* 2006, A&A 446, 579. (1x, 5i)

V1033 Sco (GRO J1655−40)	*Brocksopp, C. et al.* (13 authors) 2006, MNRAS 365, 1203. (1gux, 5bcdgi) Spectral evolution of the 2005 outburst.
V1034 Sco (CPD −41°7742)	*Bouzid, M.Y., Pribulla, T., Sterken, C.* 2006, MmSAI 77, 103. (1ao, 5ce) *Sana, H. et al.* (7 authors) 2005, A&A 441, 213. (1aox, 5cde)
V1187 Sco	*Lynch, D.K. et al.* (26 authors) 2006, ApJ 638, 987. (2ioux) 56-day spectral development of ONeMg nova.
RY Sct	*Men'shchikov, A.B., Miroshnichenko, A.S.* 2005, A&A 443, 211. (1auoi*)
V476 Sct	2005, IAU Circ. 8607 (1ac, 4a, 6b) Possible new nova. 2005, IAU Circ. 8612 (1d, 2c) Confirmation of classical nova. 2005, IAU Circ. 8638 (2cio) Spectral features.
V477 Sct	2005, IAU Circ. 8617 (1ad, 2ciou, 4a, 6b) Confirmed new nova. 2005, IAU Circ. 8644 (2cio) Doubled line profiles.
CT Ser	*Ringwald, F.A., Chase, D.W., Reynolds, D.S.* 2005, PASP 117, 1223. (1ao, 2a, 5b) Erratic flickering.
NN Ser	*Brinkworth, C.S. et al.* (4 authors) 2006, MNRAS 365, 287. (1ao, 5abcefgij) Period changes and possible explanations.
GG Tau	*Krist, J.E. et al.* (9 authors) 2005, AJ 130, 2778. (1ao, 5i) HST observations of structure and variability in circumbinary disk.
V781 Tau	*Yakut, K. et al.* (4 authors) 2005, MNRAS 363, 1272. (1bo, 5abcj) Light curve analysis of late-type contact EB.
V1123 Tau	*Ozdarcan, O. et al.* (4 authors) 2006, IBVS 5688. (1b, 5ab) First ground-based photometry.
ER UMa	*Zhao, Y.-H. et al.* (5 authors) 2006, PASJ 58, 367. (1a, 2a, 5d) Superhump behaviour during normal outbursts.
KS UMa	*Zhao, Y. et al.* (6 authors) 2006, AJ 131, 1667. (1ao, 2a, 5i) Possible precessing eccentric disk.
KV UMa (XTE J1118+480)	*Malzac, J., Merloni, A., Fabian, A.C.* 2005, Ap&SS 300, 31. (5i) Modelling of accretion.
RU UMi	*Zhu, L.-Y., Qian, S.-B., Xiang, F.-Y.* 2006, PASJ 58, 361. (1b, 5bce) Photometric analysis of near-contact binary.
GP Vel (4U 0900−40)	*Dolan, J.F., Etzel, P.B., Boyd, P.T.* 2006, PASP 118, 392. (2aox*, 5e, 7d) Dynamical mass using reprocessed x-ray pulses from companion star.
V382 Vel	*Ness, J.-U. et al.* (5 authors) 2005, MNRAS 364, 1015. (2cx, 5gh) Analysis of an x-ray grating spectrum.
HW Vir	*Mortimore, A.N., Lynas-Gray, A.E.* 2006, Baltic Astron. 15, 207. (1u, 5g) He, C, Si abundances of sdB primary component.
UY Vol (EXO 0748−676)	*Wolff, M.T. et al.* (4 authors) 2005, ApJ 632, 1099. (2dx) Strong x-ray burst.

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

HD 27638	*Torres, G.* 2006, AJ 131, 1702. (2a, 5d) Multiple system.
HD 77191	(see HL Cnc)
HD 81032	*Pandey, J.C. et al.* (4 authors) 2005, J. Ap. & Astron. 26, 359. (1aox, 2dox, 5b) New RS CVn binary.
HD 99898	*Otero, S.A., Wils, P.* 2006, IBVS 5680. (1a, 5abf) Fast apsidal motion in NSV 18773.

HD 109962	2006, IAU Circ. 8663 (2c) Transient accretion episode in EB.
HD 149420	*Fekel, F.C., Henry, G.W.* 2006, AJ 131, 1724. (1b, 2d, 5cde)
HD 162905	*Tas, G., Evren, S.* 2006, IBVS 5687. (1b, 5abc) First LC analysis.
HD 172189	*Martín-Ruiz, S. et al.* (7 authors) 2005, A&A 440, 711. (1co, 2o, 5cd) EB/SB with a δ Sct-type pulsating component. *Martín-Ruiz, S. et al.* (8 authors) 2006, MmSAI 77, 534. (1abo, 5e) δ Sct components.
BD +82°565 A	*Bartkevičius, A., Sperauskas, J.* 2005, Baltic Astron. 14, 527. (2a, 5d) Primary component of high proper motion VB is SB.
BD +53°2790 (4U 2206+54)	*Blay, P. et al.* (7 authors) 2006, A&A 446, 1095. (1aio, 2io) Multi-wavelength monitoring of the optical counterpart.
BD +16°4588	*Griffin, R.F.* 2006, Observatory 126, 48. (2a) RV of BY Dra variable found to be constant.
BD +15°4512	*Griffin, R.F.* 2006, Observatory 126, 48. (2a) RV of BY Dra variable found to be constant.
BD −09°3055 (HIP 50796)	*Torres, G.* 2006, AJ 131, 1022. (2a, 5d) Astrometric-spectroscopic orbit; secondary may itself be double.
CPD −41°7742	(see V1034 Sco)

X-ray sources with constellation names

Cen X-3	(see V779 Cen)
Cen X-4	(see V822 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)
Sco X-1	(see V818 Sco)

Galactic objects with names including RA and DEC

ASAS J002511+1217.2	*Templeton, M.R. et al.* (22 authors) 2006, PASP 118, 236. (1abdo, 2ad, 5di, 6b) New WZ Sge-type system.
IGR J00291+5934	*Falanga, M. et al.* (10 authors) 2005, A&A 444, 15. (2x) Pulsations. *Paizis, A. et al.* (7 authors) 2005, A&A 444, 357. (2x, 5i)
AX J0051−733 (SXP 323)	*Coe, M.J., Negueruela, I., McBride, V.A.* 2005, MNRAS 362, 952. (2abco) Non-radial pulsations of Be companion.
4U 0114+65	(see V662 Cas)
SDSS J013701.06−091234.9	*Imada, A. et al.* (13 authors) 2006, PASJ 58, 143. (1a) Time-resolved photometry of a superoutburst.
RX J0153.3+7446	*Norton, A.J., Tanner, J.D.* 2006, A&A 447, L17. (1ao, 5b) Optical photometry of counterpart.
2QZ J021927.9−304545	*Imada, A. et al.* (6 authors) 2006, PASJ 58, 383. (1a) Confirmation of the SU UMa nature.
V0332+53	*Pottschmidt, K. et al.* (9 authors) 2005, ApJ 634, L97. (2dx) Multiple cyclotron lines during outburst.

RX J0440.9+4431 (LSV +44 17)	*Reig, P. et al.* (5 authors) 2005, A&A 440, 1079. (1aoi, 2oc)
2MASS J04463285+1901432	*Hebb, L. et al.* (4 authors) 2006, AJ 131, 555. (1aoi, 2ao, 5cde, 6b) New low-mass CB in NGC 1647.
RX J0513.9−6951	*McGowan, K.E. et al.* (6 authors) 2005, MNRAS 364, 462. (1aoux, 2x, 5cdg) Probing the dynamic WD photosphere.
2MASS J05352184−0546085	*Stassun, K.G., Mathieu, R.D., Valenti, J.A.* 2006, Nature 440, 311. (1ai, 2ab, 5bcd, 6b) Two brown dwarf EB/SB.
PSR J0737−3039	*Chatterjee, S., Goss, W.M., Brisken, W.F.* 2005, ApJ 634, L101. (2dr) No evidence of unpulsed emission.
	Lyutikov, M., Thompson, C. 2005, ApJ 634, 1223. (8a) Model of system based upon attenuation by synchrotron absorption.
	Rafikov, R.R., Goldreich, P. 2005, ApJ 631, 488. (2br) Eclipses of pulsar A by the magnetosphere of pulsar B.
J0737−3039A	*Bejger, M., Bulik, T., Haensel, P.* 2005, MNRAS 364, 635. (8a) Constraints on the dense matter equation of state.
	Hotan, A.W., Bailes, M., Ord, S.M. 2005, MNRAS 362, 1267. (1r, 3b) Baseband timing and polarimetry of binary pulsar.
J0737−3039B	*Lyutikov, M.* 2005, MNRAS 362, 1078. (8a) Radio flux modulations of binary radio pulsar.
EXO 0748−676	(see UY Vol)
PSR 0751+1807	*Nice, D.J. et al.* (7 authors) 2005, ApJ 634, 1242. (2dr, 5ef) Measured 2.1 solar mass NS, relativistic orbital decay.
2MASSW J0746425+200322	*Gizis, J.E., Reid, I.N.* 2006, AJ 131, 638. (8a) System appears old and contains two very low-mass stars.
4U 0900−40	(see GP Vel)
2S 0918−549	*in 't Zand, J.J.M. et al.* (5 authors) 2005, A&A 441, 675. Helium WD donor in ultracompact LMXB.
SDSS J0926+3624	*Anderson, S.F. et al.* (26 authors) 2005, AJ 130, 2230. (1a, 2b, 6b) First confirmed eclipsing AM CVn system. See also Collections of Data.
SDSS J093249.57+472523.0	*Homer, L. et al.* (8 authors) 2006, AJ 131, 562. (1aox, 2dox, 5g) Probably IP, but possibly LMXB.
HS 0943+1404	*Rodríguez-Gil, P. et al.* (10 authors) 2005, A&A 440, 701. (1ao, 2aco) CV.
SDSS J102347.67+003841.2	*Homer, L. et al.* (8 authors) 2006, AJ 131, 562. (1aox, 2dox, 5g) Probably LMXB.
XTE J1118+480	(see KV UMa)
1A 1246−588	*Bassa, C.G. et al.* (4 authors) 2006, A&A 446, L17. (1x, 4a, 6c)
2RXP J130159.6−635806	*Chernyakova, M. et al.* (4 authors) 2005, MNRAS 364, 455. (1abx, 5bcg, 6c) Discovery and study.
SDSS J133941.11+484727.5	*Gänsicke, B.T. et al.* (23 authors) 2006, MNRAS 365, 969. (1ao, 2aoi, 5abcdeghi, 8a) Time-resolved photometry and spectroscopy.
ASAS 160048−4846.2	*Imada, A., Berto Monard, L.A.G.* 2006, PASJ 58, L19. (1a) A promising candidate dwarf nova of WZ Sge type.
IGR J16283−4838	*Beckmann, V. et al.* (12 authors) 2005, ApJ 631, 506. (2cg*) Probably a HMXB with a NS embedded in Compton thick material.
1RXS J162848.1−415241	*Torres, M.A.P. et al.* (4 authors) 2005, ApJ 632, 514. (2ado, 5e) Not a microquasar, but a chromospherically active binary.

IGR J16320−4751 (AX J1631.9−4752)	*Rodriguez, J. et al.* (19 authors) 2006, MNRAS 366, 274. (1gx, 5bcg) Analysis of simultaneous XMM-Newton and INTEGRAL observations.
4U 1636−536	*Bhattacharyya, S., Strohmayer, T.E.* 2005, ApJ 634, L157. (1ax) Harmonic content and frequency oscillations during rising phase.
IGR J16393−4643	*Bodaghee, A. et al.* (8 authors) 2006, A&A 447, 1027. (2cx, 5i)
XTE J1650−500	*Homan, J. et al.* (7 authors) 2006, MNRAS 366, 235. (1ax, 5g) XMM-Newton observations.
GRO J1655−40	(see V1033 Sco)
4U 1700+24	(see V934 Her)
1RXS J170824.2−402934	*in 't Zand, J.J.M., Cornelisse, R., Méndez, M.* 2005, A&A 440, 287. (1ax) LMXB, Low M X-ray burster.
1RXS J170854.4−321857	*in 't Zand, J.J.M., Cornelisse, R., Méndez, M.* 2005, A&A 440, 287. (1ax) LMXB, Low M X-ray burster.
PSR J1713+0747	*Benvenuto, O.G., Rohrmann, R.D., De Vito, M.A.* 2006, MNRAS 366, 1520. (8ac) A study of the evolutionary status.
	Chen, W.-C., Li, X.-D., Wang, Z.-R. 2006, PASJ 58, 153. (8c) Evolutionary calculations of LMXBs as progenitors of binary radio pulsars.
XTE J1716−389	*Cornelisse, R., Charles, P.A., Robertson, C.* 2006, MNRAS 366, 918. (1x, 5bcgi) Properties of a long-term periodic modulation.
IGR J17252−3616	*Zurita Heras, J.A. et al.* (8 authors) 2006, A&A 448, 261. (2cx, 5b)
XTE J1739−302	*Negueruela, I. et al.* (4 authors) 2006, ApJ 638, 982. (2oi) Study of the optical counterpart. *Smith, D.M. et al.* (7 authors) 2006, ApJ 638, 974. (1x) Supergiant fast x-ray transient.
H1743−322 (IGR J17464−3213)	*Corbel, S. et al.* (6 authors) 2005, ApJ 632, 504. (4brx) Formation and evolution of two large-scale jets. *Jonet, A. et al.* (7 authors) 2005, ApJ 629, 1008, Spectral evolution and flaring. (1x, 2x). *Kalemci, E. et al.* (6 authors) 2006, ApJ 639, 340. (1, 2xr) BH Transient observed during outburst decay. *Remillard, R.A. et al.* (4 authors) 2006, ApJ 637, 1002. (1x, 2x) 2003 Outburst of candidate BH binary.
A1744−361	*Bhattacharyya, S. et al.* (4 authors) 2006, ApJ 639, L31. (1x*) Discovery of NS with 530 Hz spin frequency.
GCRT J1745−3009	*Hyman, S.D. et al.* (6 authors) 2006, ApJ 639, 348. (1r) Radio detection of transient bursting source.
CXOGC J174540.0−290031	*Porquet, D. et al.* (7 authors) 2005, A&A 443, 571. (1ax) Discovery of x-ray eclipses in LMXB.
IGR J17464−3213	(see H1743−322)
EXO 1747−214	*Tomsick, J.A., Gelano, D.M., Kaaret, P.* 2005, ApJ 635, 1233. (12x) Very low luminosity in quiescence.
2MASS 17500367+2928020	*Kim, S.-L. et al.* (6 authors) 2005, PASP 117, 1394. (1ao, 5b, 6b) New binary.
XTE J1807−294	*Linares, M. et al.* (4 authors) 2005, ApJ 634, 1250. (2dx) Kilohertz QPOs.
4U 1812−12	*Bassa, C.G. et al.* (4 authors) 2006, A&, 446, L17. (1x, 4a, 6c) *Tarana, A. et al.* (8 authors) 2006, A&A 448, 335. (2x)

XTE J1814−338	*Watts, A.L., Strohmayer, T.E., Markwardt, C.B.* 2005, ApJ 634, 547. (1ax) Analysis of variability in the burst oscillations.
SAX J1819.3−2525	(see V4641 Sgr)
X1822−371	(see V691 CrA)
GS 1826−238	*Thompson, T.W.J. et al.* (4 authors) 2005, ApJ 634, 1261. (2dx) Study of spectral and timing properties.
RX J1826.2−1450 (LS 5039)	*Bottcher, M., Dermer, C.D.* 2005, ApJ 634, L81. (8a) Photon-photon absorption of high energy γ rays. *Casares, J. et al.* (6 authors) 2005, MNRAS 364, 899. (2ac, 5abdegik, 6c) A possible BH in LS 5039.
4U 1850−087	*Sidoli, L. et al.* (4 authors) 2005, A&A 443, 223. (1ax) Ultracompact LMXB in NGC 6712.
XTE 1858+034	*Mukherjee, U. et al.* (5 authors) 2006, J. Ap. & Astron. 27, 25. (1x) Variable QPOs during an outburst.
J1900.1−2455	*Kaaret, P., et al.* (4 authors) 2006, ApJ 638, 963. (1x) Discovery of a MS pulsar in LMXB.
4U 1901+03	*Galloway, D.K., Wang, Z., Morgan, E.H.* 2005, ApJ 635, 1217. (1x, 2x) Binary pulsar discovered.
XTE J1906+090	*Gogus, E. et al.* (6 authors) 2005, ApJ 632, 1069. (1aoix, 6c) Optical and IR counterparts.
XTE J1908+094	*Chaty, S., Mignani, R.P., Israel, G.L.* 2006, MNRAS 365, 1387. (1ai, 5cg, 6c, 8a) Identification of two new near-infrared candidate counterparts).
GRS 1915+105	(see V1487 Aql)
CTCV J1928−5001	*Potter, S.B., Augusteijn, T., Tappert, C.* 2005, MNRAS 364,565. (1bo, 3a, 5abcegi) Photopolarimetric observations and modelling.
KPD 1930+2752	*Geier, S. et al.* (4 authors) 2006, Baltic Astron. 15, 243. (2ao, 5egk) A probable candidate progenitor for a type Ia supernova, from time-resolved spectroscopy.
EXO 2030+375	(see V2246 Cyg)
SAX J2103.5+4545	*Sidoli, L. et al.* (10 authors) 2005, A&A 440, 1033. (1ax) HMXB with large spin-up rate.
RX J2133.7+5107	*Bonnet-Bidaud, J.M. et al.* (5 authors) 2006, A&A 445, 1037. (1ao, 2ao, 5cd) Unique IP.

Galactic objects with other designations

Bo 158	(see XMMU J004314.4+410726.3)
Cal 83	*Schmidtke, P.C., Cowley, A.P.* 2006, AJ 131, 600. (1x, 5g) Pulsations detected.
GD 1400	*Farihi, J., Zuckerman, B. Becklin, E.E.* 2005, AJ 130, 2237. (1ai, 6b) Companion of WD is brown dwarf.
GSC 3658-0076	*Zhu, L.-Y. et al.* (4 authors) 2005, Ap&SS 299, 329. (5c)
GX 1+4	*Rea, N. et al.* (8 authors) 2005, MNRAS 364, 1229. (1ax, 2cx, 5gij) A Compton-reflection-dominated spectrum.
GX 5-1	*Paizis, A. et al.* (8 authors) 2005, A&A 443, 599. (1axg)
GX 339-4	(see V821 Ara)
HIP 50796	(see BD $-09°3055$)

KH 15D	(see V582 Mon)
LS 5039	(see RX J1826.2−1450)
LS I +61 303	*Romero, G.E., Christiansen, H.R, Orellana, M.* 2005, ApJ 632, 1093. (8d) Hadronic model for γ-ray production.
LSV +44 17	(see RX J0440.9+4431)
M15 X-2	*Dieball, A. et al.* (8 authors) 2005, ApJ 634, L105. (1au, 5b) Far-UV counterpart, inferred period, ultracompact XRB.
OGLE-TR-123	*Pont, F. et al.* (9 authors) 2006, A&A 447, 1035. (1ao, 2ao, 5e)
'SN 2003aw'	*Roelofs, G.H.A. et al.* (5 authors) 2006, MNRAS 365, 1109 (2co, 5bdghi) Spectroscopic study.
SS 433	(see V1343 Aql)
SXP 323	(see AX J0051−733)
WR25 in Car	*Pollock, A.M.T., Corcoran, M.F.* (1x*, 5j) 2006, A&A 445, 1093. Evidence for colliding winds.
WR 143	*Watson, P. Varricatt, W.P., Ashok, N.M.* 2006, MNRAS 365, 127. (1ai, 2ci, 52cdg, 8a) A WR binary.

Extragalactic close binaries

BAT99-129 in LMC	*Foellmi, C., Moffat, A.F.J., Marchenko, S.V.* 2006, A&A 447, 667. (1ao, 2ao, 5eh) WR-EB.
Nova in LMC	2005, IAU Circ. 8635 (1acd, 2c, 4a, 6b) New classical nova near maximum. 2005, IAU Circ. 8636 (4a) Precise position. 2005, IAU Circ. 8641 (1a) Additional V magnitudes.
SMC X-1	*Hickox, R.C., Vrtilek, S.D.* 2005, ApJ 633, 1064. (2dx, 5i) Likely reprocessing of hard x-ray by inner AD. *Val Baker, A.K.F., Norton, A.J., Quaintrell, H.* 2005, A&A 441, 685. (2ao, 5d) Mass of NS in HMXB.
XMMU J004314.4+410726.3 (Bo 158)	*Barnard, R. et al.* (6 authors) 2006, MNRAS 366, 287. (1x, 5cgi, 8ab) Disc precession in M31 LMXB.
J0044380+41292350	*Ribas, I. et al.* (6 authors) 2005, ApJ 635, L37. (1ao) First measured distance to M31 with model of EB.
New source in M31	*Williams, B.F. et al.* (5 authors) 2005, ApJ 632, 1086. (4bxo) New transient x-ray source probably is a LMXB.
Ho II X-1	*Goad, M.R. et al.* (4 authors) 2006, MNRAS 365, 191. (1ax, 2dx, 5cdg, 8a) The case against a 1000-M BH.
M82 X-1	*Mucciarelli, P. et al.* (5 authors) 2006, MNRAS 365, 1123. (1x, 2dx, 5bcdgi) Timing and spectral analysis of XMM-Newton and Rossi-XTE observations.
M101 ULX-1	*Kong, A.K.H., Di Stefano, R.* 2005, ApJ 632, L107. (2dx) Unusual spectral state during outburst. *Mukai, K. et al.* (5 authors) 2005, ApJ 634, 1085. (2dx) Suggest 20-40 solar-mass BH, B-supergiant mass donor.

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Bonnell, I.A., Bate, M.R. 2005, MNRAS 362, 915. Binary systems and stellar mergers in massive star formation.

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Cyg, V931 Cyg, V979 Cyg, V1045 Cyg, V1189 Cyg, FR Del, LU Dra, AM Eri, GZ Gem, V501 Her, V513 Her, V731 Her, V742 Her, VX Lac, AG Lac, LU Lac, BW Leo, T LMi, RV Lib, SS Lib, TY Lib, VZ Lib, AA Lib, AE Lib, BW Lib, ES Lib, FU Lib, FW Lib, GI Lib, GK Lib, GV Lib, GY Lib, HQ Lib, IL Lib, IT Lib, WW Lyn, V417 Lyr, V429 Lyr, DW Mon, FV Mon, HM Mon, HP Mon, IM Mon, V383 Mon, V384 Mon, V457 Mon, V464 Mon, V515 Mon, V524 Mon, V635 Mon, V1016 Oph, V1022 Oph, V1120 Oph, V1677 Oph, V1811 Oph, V2377 Oph, VV Ori, ES Ori, FK Ori, V641 Ori, V645 Ori, V667 Ori, V1016 Ori, V1027 Ori, BQ Peg, CF Peg, EY Peg, HI Peg, DV Per, DX Per, FW Per, V364 Per, V434 Per, SU Psc, DV Psc, DF Pup, KW Pup, UU Sge, GN Sge, BK Sgr, V1068 Sgr, V4197 Sgr, V4202 Sgr, V784 Sco, V1044 Sco, V1054 Sco, EZ Sct, FG Sct, CQ Ser, LX Ser, MX Ser, Y Sex, BN Tau, GQ Tau, RW Tri, ST Tri, XY UMa, DN UMa, VV Vir, AG Vir, AK Vir, CM Vir, CX Vir, DL Vir, DM Vir, FO Vir, FQ Vir, GK Vir, HT Vir, MR Vir, MS Vir, GSC 2336 0821, GSC 3449 0688, GSC 1874 0399, Ha0242 2802, SDSS J040714−064425.

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