International Astronomical Union
Commission 42

BIBLIOGRAPHY OF CLOSE BINARIES

No. 83

Editor-in-Chief:

C.D. Scarfe

Editors:

H. Drechsel
D.R. Faulkner
L.V. Glazunova
E. Lapasset
C. Maceroni
Y. Nakamura
P.G. Niarchos
R.G. Samec
W. Van Hamme
M. Wolf

Material published by September 15, 2006

BCB issues are available via URL:
http://www.konkoly.hu/IAUC42/bcb.html,
http://www.sternwarte.uni-erlangen.de/ftp/bcb or
http://orca.phys.uvic.ca/climenhaga/robb/bcb/comm42bcb.html
or via anonymous ftp from:
ftp://www.sternwarte.uni-erlangen.de/pub/bcb

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	*Bisikalo, D.V. et al.* (5 authors) 2006, AZh 83, 809. (8bd) Colliding-wind model of outburst. *Skopal, A. et al.* (7 authors) 2006, A&A 453, 279. (1aox, 2ou, 5i) Study of hot object.
BL And	*Zhu, L., Qian, S.* 2006, MNRAS 367, 423. (1abo, 5abc)
RV Aps	*Khaliullin, Kh.F. et al.* (4 authors) 2006, IBVS 5722. (5c) EB for gravity-darkening study.
VY Aqr	*Mennickent, R.E., Unda-Sanzana, E., Tappert, C.* 2006, A&A 451, 613. (2co) Doppler tomography of dwarf nova.
AE Aqr	*Choi, C-S., Dotani, T.* 2006, ApJ 646, 1149. (1x) X-ray flare observed, timing analysis. *Ikhsanov, N.R.* 2006, ApJ 64, L59. (2dx*) X-ray source in Roche lobe of WD. *Mauche, C.W.* 2006, MNRAS 369, 1983. (1x, 5abcegk) White dwarf spinning down. *Watson, C.A., Dhillon, V.S., Shabaz, T.* 2006, MNRAS 368, 637. (1ao, 2ao, 5e) Tomographic reconstruction of secondary reveals spots.
XZ Aql	*Soydugan, F. et al.* (4 authors) 2006, Astron. Nachr. 327, 705. (5ab) Algol system with probable third body.
V1343 Aql (SS 433)	*Begelman, M.C., King, A.R., Pringle, J.E.* 2006, MNRAS 370, 399. (5gij, 8ad) Mass outflow and the ultraluminous x-ray sources. *Chakrabarti, S.K., Pal, S., Nandi, A.* 2006, A&A 453, 965. (1ao, 2x, 5i)
V1405 Aql (XB 1916−053) (4U 1916−05)	*Iaria, R. et al.* (5 authors) 2006, ApJ 647, 1341. (1x, 2x) Persistent emission from LMXB dipping source. *Juett, M., Chakrabarty, D.* 2006, ApJ 646, 493. (2x) Highly ionized metal absorption lines.
V1430 Aql	*Erdem, A., Sürgit, D.* 2006, Astron. Nachr. 327, 335. (1bo, 5ce) BVR light curve analysis of active pre-main sequence EB with spots.
V1432 Aql	*Andronov, I.L., Baklanov, A.V., Burwitz, V.* 2006, A&A 452, 941. (1ao, 5i)
V1487 Aql (GRS 1915+105)	*Belloni, T. et al.* (5 authors) 2006, MNRAS 369, 305. (1x, 5bcg) High-frequency QPOs. *Martocchia, A. et al.* (6 authors) 2006, A&A 448, 677. (2dx) BH LMXB. *Misra, R. et al.* (4 authors) 2006, ApJ 643, 1114. (8) Nonlinear time-series analysis. *Schnittman, J.D., Homan, J., Miller, J.M.* 2006, ApJ 642, 420. (5i) Precessing ring model for low frequency QPO's.
V1493 Aql	*Dobrotka, A. et al.* (5 authors) 2006, A&A 448, 1107. (5c) Detection of orbital period in nova.
12 Boo	*Tomkin, J., Fekel, F.* 2006, AJ 131, 2653. (2ao, 5de)
AR Boo	*Samec, R,G., Loflin, T.S., Van Hamme, W.* 2006, IBVS 5696. (1a, 5c) BVRI CCD observations.
FI Boo	*Terrell, D. et al.* (4 authors) 2006, AJ 132, 1153. (1aoi, 2a*, 5cde)
SV Cam	*Jeffers, S.V. et al.* (5 authors) 2006, MNRAS 367, 1308. (1bou, 5g) High S/N STIS observations of F9 V+K4 V system used to test PHOENIX and ATLAS model atmospheres.

AS Cam	*Kozyreva V.S., Zakharov A.I.* 2006, LeAZh 32, 349. (1b, 5c) Pulsations in EB.
BQ Cam (V0332+53)	*Mowlavi, N. et al.* (10 authors) 2006, A&A 451, 187. (2dx, 5gi) HMXB. *Reig, P., Martínez-Núñez, S., Reglero, V.* 2006, A&A 449, 703. (2dx)
CI Cam	*Barsukova, E.A. et al.* (6 authors) 2006, AZh 83, 745. (1b, 2b, 5c) Photometry and spectroscopy in 1998-2005.
WY Cnc	*Kozhevnikova, A.V. et al.* (4 authors) 2006, IBVS 5723. (1ab, 5c) Detection of large flare in RS CVn star.
AH Cnc	*Qian, S.-B. et al.* (5 authors) 2006, AJ 131, 3028. (1ao, 5abc) Possible third light and light-time effect in overcontact binary.
AR Cnc	*Haefner, R.* 2006, IBVS 5712. (2ac) Spectroscopy of faint dwarf nova.
XZ CMi	*Samec, R. et al.* (5 authors) 2006, Observatory 126, 255. (1ao, 5abc) Near-contact binary
η Car	*Martin, J.C. et al.* (5 authors) 2006, PASP 118, 697. (2d) Unidentified variable emission at 6307 Å.
V395 Car (2S 0921−630)	*Abubekerov, M.K. et al.* (4 authors) 2006, AZh 83, 609. (5d) Mass of compact object in LMXB.
RZ Cas	*Narusawa, S. et al.* (4 authors) 2006, PASJ 58, 617. (2cdo, 5gh) Discovery of a λ Bootis-like abundance pattern. *Narusawa, S.-Y. et al.* (5 authors) 2006, PASP 118, 809. (2d) Hα observations in eclipse.
SX Cas	*Piirola, V. et al.* (5 authors) 2006, A&A 454, 277. (3a, 5i) UBVRI polarimetry.
V615 Cas (LS I +61°303)	*Albert, J. et al.* (148 authors) 2006, Science 312, 1771. (1bg) Variable very high energy γ-ray emission in HMXB. *Bednarek, W.* 2006, MNRAS 368, 579. (1g, 2dg, 8b) TeV γ-ray characteristics in massive binary of microquasar type. *Dubus, G.* 2006, A&A 451, 9. (2dg*)
V635 Cas (4U 0115+63)	*Nakajima, M. et al.* (4 authors) 2006, ApJ 646, 1125. (1x, 2x) Observations covering outburst of x-ray pulsar.
V662 Cas (2S 0114+650)	*Farrell, S.A., Sood, R.K., O'Neill, P.M.* 2006, MNRAS 367, 1457. (1x) Super-orbital, orbital and spin periods of HMXB determined.
V723 Cas	*Iijima, T.* 2006, A&A 451, 563. (2oc)
V831 Cas (RX J0146.9+6121)	*La Palombara, N., Mereghetti, S.* 2006, A&A 455, 283. (2x, 5i)
β Cen	*Ausseloos, M. et al.* (5authors) 2006, A&A 455, 259. (2ao, 4c, 5e) Application of spectral disentangling.
V384 Cen	*Gerke, J.R., Howell, S.B., Walter, F.W.* 2006, PASP 118, 678. (1aoi, 2d, 5i) Polar changing state.
V779 Cen (Cen X-3)	*Nazarenko, V.V.* 2006, AZh 83, 726. (8bd) 3D hydrodynamical modelling of accretion-disk formation.
XX Cep	*Angione, R.J., Sievers, J.R.* 2006, AJ 131, 2209. (1bo, 2ad, 5bcdefg)
CX Cep	*Villar-Sbaffi, A. et al.* (4 authors) 2006, ApJ 640, 995. (1aio, 5e) Extremely misaligned highly flattened wind.
EG Cep	*Diamond, B. et al.* (4 authors) 2006, IBVS 5728. (5a) Times of minima.
EY Cep	*Lacy, C.H.S. et al.* (4 authors) 2006, AJ 131, 2664. (1bo, 2a, 5abcde)
WW Cet	*Godon, P. et al.* (4 authors) 2006, AJ 131, 2634. (2d*, 5gi)

WX Cet	*Mennickent, R.E., Unda-Sanzana, E., Tappert, C.* 2006, A&A 451, 613. (2co) Doppler tomography of dwarf nova.
BR Cir (Cir X-1)	*Ding, G.Q. et al.* (4 authors) 2006, ApJ 645, 576. (1x, 2x) Hard x-ray light curves and spectra with orbital phase.
UU Col	*de Martino, D. et al.* (8 authors) 2006, A&A 454, 287. (1x, 5i) XR timing analysis.
W Cru	*Pavlovski, K., Burki, G., Mimica, P.* 2006, A&A 454, 855. (1bo, 5i) Eclipse mapping of accretion disk.
BF Cyg	2006, IAU Circ. 8746 (2ci) Low-excitation shell.
GO Cyg	*Zabihinpoor, S.M., Dariush, A., Riazi, N.* 2006, Ap&SS 302, 27. (1ao, 5bc)
V370 Cyg	*Niarchos, P.G., Manimanis, V.N.* 2006, IBVS 5692. (1a, 6d) Complete BVRI light curves.
V380 Cyg	*Roman, R., Roman, S.A.* 2006, IBVS 5695. (5af) Request for new observations.
V444 Cyg	*Hirv, A. et al.* (7 authors) 2006, Baltic Astronomy 15, 405. (2ao, 5dj) Orbital elements and mass-loss rate.
V1357 Cyg (Cyg X-1)	*Axelsson, M., Borgonovo, L., Larsson, S.* 2006, A&A 452, 975. (1x*, 5i) *Fender, R.P. et al.* (7 authors) 2006, MNRAS 369, 603. (1rx*, 5cgij) The first observation of a relativistic jet. *Lachowicz, P. et al.* (5 authors) 2006, MNRAS 368, 1025. (1r*x*, 5abcg) Periodic long-term x-ray and radio variability. *Malzac, J. et al.* (14 authors) 2006, A&A 448, 1125. (2dx) *Shaposhnikov, N., Titarchuk, L.* 2006, ApJ 643, 1098. (2cdx*) Strong correlation between QPO's and spectral index.
V1521 Cyg (Cyg X-3)	*Martí, J. et al.* (7 authors) 2006, A&A 451, 1037. (1ir) Observations of surrounding area.
V1898 Cyg	*Dallaporta, S., Munari, U.* 2006, IBVS 5714. (1b, 5ab) Accurate BV lightcurve of EB.
V2362 Cyg	2006, IAU Circ. 8697 (1ac, 4a, 6b) Possible new nova. 2006, IAU Circ. 8698 (1cd, 2c) Classical nova confirmed. 2006, IAU Circ. 8702 (2c, 4a, 6c) Ten-magnitude amplitude outburst? 2006, IAU Circ. 8710 (2cdi) Fe II-novae with very low excitation. 2006, IAU Circ. 8731 (2cdio) No evidence of dust.
EF Eri	*Szkody, P. et al.* (6 authors) 2006, ApJ 646, L147. (1ou) FUV, NUV and V light curves at low state.
U Gem	*Unda-Santana, E., Marsh, T.R., Morales-Rueda, L.* 2006, MNRAS 369, 805. (2ad, 5bdegij, 8a) Optical spectroscopy and modelling.
PQ Gem	*Evans, P.A., Hellier, C., Ramsay, G.* 2006, MNRAS 369, 1229. (1aux, 2d, 5abcgi, 8ab) Complex pulsation caused by a spinning white dwarf.
AH Her	*Spogli, C. et al.* (10 authors) 2006, IBVS 5727. (1a) BVRI observations of dwarf nova during outbursts in 2005.
AM Her	*Kafka, S., Honeycutt, R.K., Howell, S.B.* 2006, AJ 131, 2673. (1ao, 2ado, 5g) *König, M., Beuermann, K., Gänsicke, B. T.* 2006, A&A 449, 1129. (5g) CV.
CC Her	*Soydugan, F. et al.* (4 authors) 2006, Astron. Nachr. 327, 705. (5ab) Algol system with probable third body.

HS Her	*Khaliullin, Kh.F., Khaliullina, A.I.* 2006, AZh 83, 406. (1b, 5ce) Photometric elements and evolutionary stages of components.
EX Hya	*Hoogerwerf, R., Brickhouse, N.S., Mauche, C.W.* 2006, ApJ 643, L45. (2cdx) Accretion column structure.
VW Hyi	*Smith, A.J., Haswell, C.A., Hynes, R.I.* 2006, MNRAS 369, 1537. (2abc, 5degi, 8a) Optical spectroscopy and Doppler tomography. *Warner, B., Woudt, P.A.* 2006, MNRAS 367, 1562. (1ao, 5i) Frequency doubling and tripling of rapid dwarf nova oscillations.
BL Hyi	*Gerke, J.R., Howell, S.B., Walter, F.W.* 2006, PASP 118, 678. (1aoi, 2d, 5i) Polar changing state.
AR Lac	*Siviero, A., Dallaporta, S., Munari, U.* 2006, Baltic Astronomy 15, 387. (1bo, 5abc) Period study and orbital solution.
HK Lac	*Fröhlich, H.E., Kroll, P., Strassmeier, K.G.* 2006, A&A 454, 295. (1ao, 1co*, 5a) Discovery of multi-periodicity.
V360 Lac	*Linnell, A.P. et al.* (14 authors) 2006, A&A 455, 1037. (1ao, 2ao*, 5bei) Application of spectral disentangling.
FH Leo	*Vogt, N.* 2006, A&A 452, 985. (1ao*, 2co*) CV in multiple star system.
δ Lib	*Bakiş, V. et al.* (6 authors) 2006, MNRAS 370, 1935. (1abo*i*, 2aco, 4a*, 5abcdefg) Photometric, spectroscopic and astrometric analysis.
IL Lup (4U 1543−47)	*Reig, P. et al.* (4 authors) 2006, ApJ 644, 424. (2cdx) Fourier resolved spectroscopy during 2002 outburst.
RR Lyn	*Tomkin, J., Fekel, F.* 2006, AJ 131, 2653. (2ao, 5de)
BH Lyn	*Stanishev, V., Kraicheva, Z., Genkov, V.* 2006, A&A 455, 223. (1ao, 5b, 5i)
β Lyr	*Nazarenko, V.V., Glazunova, L.V.* 2006, AZh 83, 430. (8bd) 3D hydrodynamical modelling of mass transfer including accretor wind.
AD Men	*Schmidtobreick, L., Tappert, C.* 2006, A&A 455, 255. (1ao, 2ao, 5b)
V616 Mon (A0620−00)	*Gallo, E. et al.* (8 authors) 2006, MNRAS 370, 1351. (1ax, 1r, 5cegij, 8ad) A radio-emitting outflow in the quiescent state.
V750 Mon (HD 53367)	*Pogodin, M.A. et al.* (5 authors) 2006, A&A 452, 551. (2ac, 5j) Variability study.
V838 Mon	*Kimeswenger, S., Eyres, S.P.S.* 2006, IBVS 5708. (1a) Variability before its outburst.
S Mus	*Evans, N.R., Massa, D., Alexander, F.* 2006, ApJ 647, 1387. (2i, 5e) Determination of mass of binary Cepheid.
QV Nor	*Baykal, A., Inam, S.Ç., Beklen, E.* 2006, A&A 453, 1037. (1x, 5b) Binary pulsar timings.
RS Oph	2006, IAU Circ. 8688 (1d, r) Ring of radio emission. 2006, IAU Circ. 8695 (2cx) Prominent emission lines. 2006, IAU Circ. 8710 (2ci) The infrared spectrum of nova. *Hachisu, I., Kato, M.* 2006, ApJ 642, L53. (8c) Predict a supersoft x-ray phase during 2006 outburst. *Monnier, J.D. et al.* (20 authors) 2006, ApJ 647, L127. (4coi) No expanding fireball observed in recent outburst. *O'Brien, T.J. et al.* (9 authors) 2006, Nature, 442, 279. (r) Asymmetric shock wave in recurrent nova outburst. *Sokoloski, J.L., Luna, G.J.M., Mukai, K., Kenyon, S.J.* 2006, Nature, 442, 276. (2dx, 5i)

V566 Oph	*Degirmenci, .L.* 2006, IBVS 5726. (1a, 5c) Analysis of W UMa type EB.
V2051 Oph	*Saito, R.K., Baptista, R.* 2006, AJ 131, 2185. (2du, 5i) Spatially resolved HST spectra show disk structure in low state.
V2116 Oph (GX 1+4)	*Hinkle, K.H. et al.* (6 authors) 2006, ApJ 641, 479. (2adi, 5deh, 8c) Long-period symbiotic x-ray source.
V2216 Oph (GX 9+9)	*Kong, A.K.H. et al.* (5 authors) 2006, MNRAS 368, 781. (1aox, 2dx) Simultaneous optical/x-ray observations of HMXB.
V2575 Oph	2006, IAU Circ. 8710 (2cdi) Fe II-type CO novae with very low excitation. 2006, IAU Circ. 8728 (2cdio) Doubled profiles emission lines.
V2576 Oph	2006, IAU Circ. 8700 (1d, 2c, 4a, 6b) New nova. 2006, IAU Circ. 8710 (2cdi) Fe II-novae with very low excitation. 2006, IAU Circ. 8730 (2cdio) Flat-topped emission lines.
V1055 Ori (4U 0614+091)	*Migliari, S. et al.* (7 authors) 2006, ApJ 643, L41. (1ai, 2di) First spectral evidence of jet in low luminosity NS XRB. *Werner, K. et al.* (5 authors) 2006, A&A 450, 725. (2c, 5i) LMXB.
V1647 Ori	2006, IAU Circ. 8694 (1ai) Star at pre-eruptive state?
AG Peg	*Eriksson, M., Johansson, S., Wahlgren, G.M.* 2006, A&A 451, 157. (2uc)
12 Per	*Bagnuolo, W.G. et al.* (11 authors) 2006, Aj 131, 2695. (4co, 5e) Masses and K-band intensity ratio.
V Per (Nova 1887)	*Shafter, A.W., Misselt, K.A.* 2006, ApJ 644, 1104. (1ao, 5abcei)
AO Psc	*Johnson, E.M., Imamura, J.N., Steiman-Cameron, T.Y.* 2006, PASP 118, 797. (1x, 2x, 5bg)
VV Pup	*Howell, S.B. et al.* (5 authors) 2006, AJ 131, 2216. (2di, 5cdei)
U Sge	*Manzoori, D., Jassur, D.M., Kermani, M.H.* 2006, Ap&SS 302, 145. (1ao, 5c)
WZ Sge	*Godon, P. et al.* (6 authors) 2006, ApJ 642, 1018. (2du, 5e) Large mass WD.
V505 Sgr	*Lázaro, C., Arévalo, M.J., Antonopoulou, E.* 2006, MNRAS 368, 959. (1bi, 5cde) IR light curve solution of Algol EB.
V4134 Sgr (4U 1755−33)	*Kaaret, P. et al.* (7 authors) 2006, ApJ 641, 410. (2dx) Evolution of x-ray jets.
V4332 Sgr	2006, IAU Circ. 8739 (2cdi) Moderate infrared excess.
V4580 Sgr (SAX J1808.4−3658)	*Bhattacharyya, S., Strohmayer, T.E.* 2006, ApJ 642, L161. (2d*) Spreading of thermonuclear flames on the NS. *Greenhill, J.G., Giles, A.B., Coutures, C.* 2006, MNRAS 370, 1303. (1ao, 1bx, 5bcgi, 6c) Transient I-band excess in the optical spectrum.
V4641 Sgr (SAX J1819.3−2525)	Sadakane, K. et al. (13 authors) 2006, PASJ 58, 595. (2od, 5h) Detailed abundance analyses of the secondary component.
V4643 Sgr (Nova 2001)	*Ashok, N.M. et al.* (4 authors) 2006, MNRAS 368, 592. (1bci, 2bci) Decline spectra of fast classical nova discussed.
V4743 Sgr (Nova 2002)	*Kang, T.W. et al.* 4(authors) 2006, AJ 132, 608. (1ao, 5b) IP candidate. *Leibowitz, E. et al.* (8 authors) 2006, MNRAS 371, 424. (1x, 5bcg) Variability and multiperiodic oscillations.
V4745 Sgr	*Dobrotka, A., Retter, A., Liu, A.* 2006, MNRAS 371, 459. (1ao, 5bceg) Period analysis.
V5117 Sgr	2006, IAU Circ. 8706 (1ad, 2cdi) Fe II nova in the low-excitation stage.

λ Sco (HD 158926)	*Tango, W.J. et al.* (10 authors) 2006, MNRAS 370, 884. (2a*o, 4c, 5cdeg) Orbital elements, masses and distance.
U Sco	*Sarna, M.J., Ergma, E., Gerskevits, J.* 2006, Acta Astronomica 56, 65. (8c) Evolutionary consideration of recurrent nova.
RY Sct	*Sahade, J., West, R.M., Skul'sky, M. Yu.* 2006, Rev. Mex. Astron. Astrofis. 42, 301. (10b)
V475 Sct (Nova 2003)	*Kawabata, K.S. et al.* (9 authors) 2006, AJ 132, 433. (3b, 5j) First detection of high-velocity outflow in moderately fast nova.
V476 Sct (Nova 2005 No.1)	*Munari, U. et al.* (6 authors) 2006, MNRAS 369, 1755. (1ao, 2d, 4a, 5cdeg) Absolute spectrophotometry and photometric evolution.
V477 Sct	*Munari, U. et al.* (4 authors) 2006, A&A 452, 567. (1ao, 2ac) Unusual He/N nova.
θ^2 Tau	*Armstrong, J.T. et al.* (8 authors) 2006, AJ 131, 2643. (4c, 5e) Masses and luminosities from interferometry do not fit evolutionary models.
EQ Tau	*Hrivnak, B.J. et al.* (4 authors) 2006, AJ 132, 960. (1ao, 2ax, 5abcde)
GW Tau	*Zhu, L., Qian, S.* 2006, MNRAS 367, 423. (1abo, 5abc)
V471 Tau	*Hussain, G.A.J. et al.* (4 authors) 2006, MNRAS 367, 1699. (2ao, 5g) Spot pattern analysis in WD+K2 V system.
V711 Tau	*Lanza, A.F. et al.* (5 authors) 2006, A&A 455, 595. (1ao) Long-term stellar activity study.
V725 Tau (A 0535+26)	*Coe, M.J. et al.* (5 authors) 2006, MNRAS 368, 447. (1aoix) X-ray outburst of Be/x-ray binary after 10 years of inactivity; interaction between disk and NS investigated.
V773 Tau	*Massi, M. et al.* (7 authors) 2006, A&A 453, 959. (4ci, 5j) PMS binary.
V781 Tau	*Kallrath, J. et al.* (6 authors) 2006, A&A 452, 959. (1ao, 2ao*, 5b)
RR Tel	*Kotnik-Karuza, D. et al.* (7 authors) 2006, A&A 452, 503. (1ai, 2c, 5j) Effects of dust obscuration.
QS Tel	*Gerke, J.R., Howell, S.B., Walter, F.W.* 2006, PASP 118, 678. (1aoi, 2d, 5i) Polar changing state.
V Tri	*Gürol, B., Müyesseroğlu, Z., Özdemir, T.* 2006, Astron. Nachr. 327, 698. (1ao, 5abce) Light curve and period study of β Lyr-type EB with third component.
KZ TrA (4U 1626−67)	*Werner, K. et al.* (5 authors) 2006, A&A 450, 725. (2c, 5i) LMXB.
SW UMa	2006, IAU Circ. 8748 (1d) Superoutburst of CV.
XZ UMa	*Nelson, R.H., Terrell, D., Gross, J.* 2006, IBVS 5715. (1a, 2a, 5cd) Analysis of classical Algol.
BZ UMa	*Neustroev, V.V., Zharikov, S., Michel, R.* 2006, MNRAS 369, 369. (1ao, 2abc, 5bcdgij) Analysis of simultaneous photometric and spectroscopic observations.
DV UMa	*Haefner, R.* 2006, IBVS 5712. (2ac) Spectroscopy of faint dwarf nova.
KV UMa (XTE J1118+480)	*Gelino, D.M. et al.* (6 authors) 2006, ApJ 642, 438. (1aio, 5ce) Determined inclination angle and mass of BH. *Gonzalez-Hernandez, J.I. et al.* (6 authors) 2006, ApJ 644, L49. (2cdo, 5h) Compact primary probably formed in SN of massive star. *Zurita, C. et al.* (18 authors) 2006, ApJ 644, 432. (1aio) Optical and IR monitoring during 2005 outburst.
SS UMi	*Olech, A. et al.* (6 authors) 2006, A&A 452, 933. (1ao, 5i)

FL Vir	*Pettersen, B.R.* 2006, MNRAS 368, 1392. (1bu, 5cg) Flare activity study.
AO Vel	*González, J.F. et al.* (4 authors) 2006, A&A 449, 327. (2ao, 5de) Quadruple system with a ZAMS eclipsing BpSi primary.
BF Vel	*Manimanis, V.N., Niarchos, P.G.* 2006, IBVS 5704. (1a, 6d) Complete photometry of short-period Algol-type EB.
V382 Vel	*Balman, S., Retter, A., Bos, M.* 2006, AJ 131, 2628. (1ao, 5bgi) Detection of 3.5-hour period, plus long-term behaviour.
UY Vol (EXO 0748−676)	*Asai, K., Dotani, T.* 2006, PASJ 58, 587. (2x) Photo-ionized plasma in this LMXB.
	Hynes, R.I. et al. (8 authors) 2006, ApJ 648, 1156. (1ox, 2ox, 5c) Reprocessed x-ray emission.
	Pearson, K.J. et al. (9 authors) 2006, ApJ 648, 1169. (2u) Emission Line behaviour, tomography.

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

HR 3112	*Griffin, R.F.* 2006, Observatory 126, 265. (2a, 5d) Multiple system; γ-velocity variable.
HR 3936	*Griffin, R.F.* 2006, Observatory 126, 119. (2a, 5d) γ Dor variable.
HR 4454	*Griffin, R.F.* 2006, Observatory 126, 265. (2a, 5d) Multiple system; γ-velocity variable.
HR 6169	*Tomkin, J., Fekel, F.* 2006, AJ 131, 2653. (2ao, 5de)
HD 1383	*Boyajian, D.R. et al.* (7 authors) 2006, ApJ 646, 1209. (2ac, 5bd) B-supergiant binary.
HD 9939	*Boden, A.F., Guillermo, T., Latham, D.W.* 2006, ApJ 644, 1193. (2ao, 4, 5d) Solution of high proper motion binary.
HD 14415	*Griffin, R.F.* 2006, Observatory 126, 265. (2a, 5d) Multiple system; γ-velocity variable.
HD 53367	(see V750 Mon)
HD 100215	*Griffin, R.F.* 2006, Observatory 126, 119. (2a, 5d) γ Dor variable.
HD 143511	*González, J.F., Levato, H.* 2006, A&A 448, 283. (5cde, 7d)
HD 152219	*Sana, H., Gosset, E., Rauw, G.* 2006, MNRAS 371, 67. (1x, 2abco, 5bcdeg) Optical spectroscopy and orbital solution.
HD 158926	(see λ Sco)

X-ray sources with constellation names

Cen X-3	(see V779 Cen)
Cir X-1	(see BR Cir)
Cyg X-1	(see V1357 Cyg)
Cyg X-3	(see V1521 Cyg)
X Sgr X-1 (GX 3+1)	*Chenevez, J. et al.* (9 authors) 2006, A&A 449, L5. (2dx) LMXB.

Galactic objects with names including RA and DEC

IGR J00234+6141	*Masetti, N. et al.* (12 authors) 2006, A&A 455, 11. (2bo, 6c) new CV.
PSR J0030+0451	*Lommen, A.N. et al.* (6 authors) 2006, ApJ 642, 1012. (4ar) Parallax and proper motion.
RX J0059.4−7118	*Kahabka, P., Haberl, F.* 2006, A&A 452, 431. (2bx) Close binary or cooling NS.
2S 0114+650	(see V662 Cas)
4U 0115+63	(see V635 Cas)
RX J0146.9+6121	(see V831 Cas)
IGR J01583+6713	*Masetti, N. et al.* (12 authors) 2006, A&A 455, 11. (2bo, 6c) New HMXB.
1RXS J020929.0+283243	*Denisenko, D.V. et al.* (6 authors) 2006, LeAZh 32, 283. (1b,5c) Deep eclipses.
TSS J022216.4+412259.9	*Imada, A. et al.* (8 authors) 2006, PASJ 58, L23. (1ao, 6b) Discovery of a new WZ Sge-type dwarf nova.
V 0332+53	(see BQ Cam)
XTE J0421+560	*Šimon, V. et al.* (4 authors) 2006, MNRAS 369, 355. (1x*, 5bcegij, 8acd) Analysis of x-ray observations and modelling.
RXS J053234.9+624755	*Kapusta, A.B., Thorstensen, J.R.* 2006, PASP 118, 1119. (1ao, 2ao, 5bd)
A 0535+26	(see V725 Tau)
IGR J06074+2205	*Masetti, N. et al.* (12 authors) 2006, A&A 455, 11. (2bo, 6c) Confirmed HMXB.
4U 0614+091	(see V1055 Ori)
A0620−00	(see V616 Mon)
PSR B0656+14	*Weltevrede, P. et al.* (4 authors) 2006, ApJ 645, L149. (1r, 2r) A nearby rotating radio transient?
MXB 0656−072	*McBride, V.A. et al.* (10 authors) 2006, A&A 451, 267. (1x, 5i) HMXB.
PSR J0737−3039	*Rafikov, R.R., Lai, D.* 2006, ApJ 641, 438. (8) Effects of pulsar rotation and orbital motion on timing measurements.
EXO 0748−676	(see UY Vol)
PSR J0751+1807	*Bassa, C.G., van Kerkwijk, M.H., Kulkarni, S.R.* 2006, A&A 450, 295. (1aoi) WD pulsar companion.
2S 0921−630	(see V395 Car)
XMMU J104536.4−594823 (FO 15)	*Niemela, V.S. et al.* (6 authors) 2006, MNRAS 367, 1450. (1ao, 2ab, 5ce, 6b) New ZAMS O5.5+O9.5 SB2/EB system.
XTE J1118+480	(see KV UMa)
SDSS J121209.31+013627.7	*Debes, J.H. et al.* (4 authors) 2006, ApJ 647, L147. (1ai, 2i) Detection of variable IR excess.
SDSS J123813.73−033933.0	*Zharikov, S.V. et al.* (5 authors) 2006, A&A 449, 645. (1ao, 2ao, 5cd) CV.
PSR B1259−63	*Chernyakova, M. et al.* (5 authors) 2006, MNRAS 367, 1201. (1x, 2dx) XMM, ASCA and BeppoSAX observations of pulsar-Be star system. *Dubus, G.* 2006, A&A 451, 9. (2dg*) HMXB.
2RXP J130159.6−635806	*Masetti, N. et al.* (12 authors) 2006, A&A 449, 1139. (1ao, 2do, 6bc) HMXB.
1RXH J132519.8−430312	*Ghosh, K.K. et al.* (5 authors) 2006, ApJ 640, 459. (2a, 6c) Optical counterpart probably a late O or early B.

PSR J1528−3146	*Jacoby, B.A. et al.* (5 authors) 2006, ApJ 640, L183. (1ai, 6c) Identify optical counterpart.
PSR J1537+1155 (B1534+12)	*Kargaltsev, O., Pavlov, G.G., Garmire, G.P.* 2006, ApJ 646, 1139. (1x, 2x) Double NS binary: x-ray emission powered by winds?.
4U 1543−47	(see IL Lup)
1RXS J154814.5−452845	*de Martino, D. et al.* (6 authors) 2006, A&A 449, 1151. (2ado, 5d) Long-period IP.
RX J1554.2+2721	*Schwope, A.D., Schreiber, M.R., Szkody, P.* 2006, A&A 452, 955. (2o, 5i) Detection of cyclotron harmonic.
PSR J1600−3053	*Ord, S.M. et al.* (4 authors) 2006, MNRAS 371, 337. (1r, 5bcegk) Results of high-precision timing.
1RXS J161008.0+035222	*Rodrigues, C.V. et al.* (7 authors) 2006, MNRAS 369, 1972. (1ai, 4ao, 5abceg, 8a) Modelling based on optical polarimetry and infrared photometry.
4U 1626−67	(see KZ TrA)
OAO 1657−415	*Audley, M.D. et al.* (5 authors) 2006, MNRAS 367, 1147. (2cx) ASCA observations of binary pulsar and its x-ray halo.
IGR J17091−3624	*Capitanio, F. et al.* (9 authors) 2006, ApJ 643, 376. (1ag, 2dx) Spectral and temporal evolution of source.
XTE J1720−318	*Chaty, S., Bessolaz, N.* 2006, A&A 455, 639. (1aio, 4a, 6c)
IGR J17252−3616	*Zurita Heras, J.A. et al.* (8 authors) 2006, A&A 448, 261. (2dx) HMXB with accreting pulsar.
H 1743−322	*Miller, J.M. et al.* (10 authors) 2006, ApJ 646, 394. (2ix, 5i) Microquasar observations: clues to disk and jet fromation.
PSR J1748−2446ad	*Hessels, J.W.T. et al.* (6 authors) 2006, Science 311, 1901. (5kr) 716-Hz EB radio pulsar.
SAX J1748.2−2808	*Sidoli, L. et al.* (5 authors) 2006, A&A 456, 287. (1ax, 2xc) Proposed LMXB.
IGR J17544−2619	*Pellizza, L.J., Chaty, S., Negueruela, I.* 2006, A&A 455, 653. (1aio, 5c) New HMXB.
4U 1755−33	(see V4134 Sgr)
PSR J1757−5322	*Jacoby, B.A. et al.* (5 authors) 2006, ApJ 640, L183. (1ai, 6c) Identify optical counterpart.
XTE J1807−294	*Zhang, F. et al.* (5 authors) 2006, ApJ 646, 1116. (2x) Timing features in outburst of accretion-driven millisecond x-ray pulsar.
SAX J1808.4−3658	(see V4580 Sgr)
4U 1812−12	*Tarana, A. et al.* (8 authors) 2006, A&A 448, 335. (2dx) LMXB.
XMMU J181227.8−181234	*Cackett, E.M., Wijnands, R., Remillard, R.* 2006, MNRAS 369, 1965. (1x, 5cg, 6b) Discovery of an x-ray transient.
SAX J1819.3−2525	(see V4641 Sgr)
RX J1826.2−1450 (LS 5039)	*Bednarek, W.* 2006, MNRAS 368, 579. (1g, 2dg, 8b) TeV γ-ray characteristics in massive binary of microquasar type. *Dermer, C.D., Bottcher, M.* 2006, ApJ 643, 1081. (8d) γ-rays from Compton scattering in jets of microquasar. *Dubus, G.* 2006, A&A 451, 9. (2dg*) HMXB.

1H 1905+000	*Jonker, P.G. et al.* (6 authors) 2006, MNRAS 368, 1803. (1ao*x, 2bc, 5cg, 6c) Analysis of x-ray and optical photometric and spectroscopic observations.
PSR J1906+0746	*Lorimer, D.R. et al.* (36 authors) 2006, ApJ 640, 428. (5ef, 6b) Measured spin-down and binary parameters of pulsar.
4U 1907+09	*Baykal, A., Inam, S.Ç., Beklen, E.* 2006, MNRAS 369, 1760. (1bx*, 2d, 5bcgi) Pulse timing analysis.
PSR J1911−5958A	*Bassa, C.G. et al.* (4 authors) 2006, A&A 456, 295. (1ao*, 2ao, 5e) *Cocozza, G. et al.* (4 authors) 2006, ApJ 641, L129. (1ao, 2do, 5de) System is member of cluster NGC6752.
IGR J19140+0951	*in't Zand, J.J.M. et al.* (5 authors) 2006, A&A 448, 1101. (2dx, 6c) HMXB.
GRS 1915+105	(see V1487 Aql)
4U 1916−05	(see V1405 Aql)
XB 1916−053	(see V1405 Aql)
KS 1947+300	*Naik, S. et al.* (4 authors) 2006, ApJ 647, 1293. (1x, 2x) X-ray pulsar observed during outburst decline.
SDSS J205017.84−053626.8	*Potter, S.B. et al.* (6 authors) 2006, MNRAS 371, 727. (1ao, 3ao, 5abcegi) A two pole accretor.
SDSS J212531.92−010745.9	*Nagel, T. et al.* (8 authors) 2006, A&A 448, L25. (1bo, 2do, 4c) First definite PG 1159 CB.
4U 2206+54	*Ribó, M. et al.* (5 authors) 2006, A&A 449, 687. (2du*x, 5gj) Wind accretion in HMXB.
1E 2259+58.6	*Ertan, U., Gogus, E., Alpar, M.A.* 2006, ApJ 640, 435. (2di*x*) Modelled x-ray and IR enhancement of LC.
1RXS J231603.9−052713	*Rodrigues, C.V. et al.* (7 authors) 2006, MNRAS 369, 1972. (1ai, 4ao, 5abceg, 8a) Modelling based on optical polarimetry and infrared photometry.

Galactic objects with other designations

FO 15	(see XMMU J104536.4−594823)
GSC 1419.0091	*Samec, R.G. et al.* (6 authors) 2006, IBVS 5697. (5abc, 6d) Extreme mass-ratio CB.
GSC 2038.0293	*Bernhard, K., Frank, P.* 2006, IBVS 5719. (1a, 5ab) New short-period eclipsing RS CVn variable.
GSC 3576.0170	*Nelson, R.H. et al.* (5 authors) 2006, IBVS 5724. (1a, 2b, 5a) New near-contact solar-type EB.
GX 1+4	(see V2116 Oph)
GX 3+1	(see X Sgr X-1)
GX 9+9	(see V2216 Oph)
LS 1135	*Fernández Lajús, E., Niemela, V.S.* 2006, MNRAS 367, 1709. (1a, 2a, 5ce) ASA observations of O-type SB1 EB used for light curve analysis.
LS 5039	(see RX J1826.2−1450)
LS I +61°303	(see V615 Cas)
RBS 0490	*Thorstensen, J.R., Lépine, S., Shara, M.* 2006, PASP 118, 1238. (1aoi, 2ao, 4a, 5bd) Nearby CV.

RCW 103	*De Luca, A. et al.* (5 authors) 2006, Science 313, 814. (2dx, 6b) Central source of SNR may be LMXB.
SS 433	(see V1343 Aql)
UNSW-TR−2	*Young, T.B. et al.* (7 authors) 2006, MNRAS 370, 1529. (1ao, 2ac, 5bcdeg, 6b) A new detached K7 dwarf EB.
WR 21a	*Niemela, V.S. et al.* (6 authors) 2006, Rev. Mex. Astron. Astrofis. Ser. de Conf. 26, 33. (2ad, 5d, 6b)
X7 (47 Tuc)	*Heinke, C.O. et al.* (4 authors) 2006, ApJ 644, 1090. (2x, 5e) H-atmosphere model for NS, radius determination.

Extragalactic close binaries

RX J0059.1−7505	*Kahabka, P., Haberl, F.* 2006, A&A 452, 431. (2bx) Symbiotic binary in SMC.
M31 G1	*Pooley, D., Rappaport, S.* 2006, ApJ 644, L45. (2dx) X-rays from this globular cluster may be from intermediate BH or LMXB.
M33 X7	*Pietsch, W. et al.* (8 authors) 2006, ApJ 646, 420. (1x, 2x, 5ab) X-ray light curves of eclipsing BH binary.
X41.4+60	*Kaaret, P., Simet, M.G., Lang, C.C.* 2006, ApJ 646, 174. (1x, 2x) 62-day x-ray periodicity in M82 due to x-ray binary.

General

Andronov, N., Pinsonneault, M.H., Terndrup, D.M. 2006, ApJ 646, 1160. Mergers of close primordial binaries. (8acd, 9)

Aris, P., Blaes, O., Turner, N.J. 2006, ApJ 645, L65. QPO's from magnetic turbulence. (1x*, 8)

Aungwerojwit, A. et al. (15 authors) 2006, A&A 455, 659. Dwarf novae in the Hamburg quasar survey: rarer than expected.

Baines, D. et al. (4 authors) 2006, MNRAS 367, 737. On the binarity of Herbig Ae/Be stars.

Basri, G., Reiners, A. 2006, AJ 132, 663. Search for SB among very low-mass stars.

Begelman, M.C. 2006, ApJ 643, 1065. Photon bubbles and vertical structure of AD's.

Bildsten, L. et al. (4 authors) 2006, ApJ 640, 466. Thermal state of accreting WD's in AM CVn stars.

Blaes, O.M. et al. (6 authors) 2006, ApJ 645, 1402. Magnetic pressure support and accretion disk spectra. (8)

Blecha, L. et al. (6 authors) 2006, ApJ 642, 427. Close binary interactions of intermediate BH's as ultraluminous x-ray sources.

Bregman, J.N. et al. (4 authors) 2006, ApJ 640, 282. Attempt to predict formation rate of luminous x-ray binaries in globular clusters.

Clariá, J.J. et al. (4 authors) 2006, A&A 453, 91. Photometric and Coravel observations of red giant candidates in three open clusters: membership, binarity, reddening and metallicity.

Cooper, R.L. et al. (4 authors) 2006, ApJ 642, 443. Production and survival of carbon fuel on accreting NS's.

D'Angelo, C., van Kerkwijk, M.H., Rucinski, S.M. 2006, AJ 132, 650. Search for faint distant companions of contact binaries.

D'Antona, F. et al. (7 authors) 2006, ApJ 640, 950. Radio ejection and bump related orbital period gap of millisecond pulsars.

Davis, S.W., Done, C., Blaes, O.M. 2006, ApJ 647, 525. Disk modelling using various techniques for LMC X-3, V1033 Sco (GRO J1655−40) and V381 Nor (XTE J1550−564). (8b)

Davis, S.W., Hubeny, I. 2006, ApJ Supl 164, 530. Grid of relativistic non LTE AD models for spectral fitting of BH binaries.

Dewi, J.D.M., Podsiadlowski, Ph., Sena, A. 2006, MNRAS 368, 1742. Double-core evolution and the formation of neutron star binaries with compact companions.

Donnison, J.R. 2006, MNRAS 369, 1267. The Hill stability of a binary or planetary system during encounters with a third inclined body.

Dotti, M., Colpi, M., Haardt, F. 2006, MNRAS 367, 103. Laser Interferometer Space Antenna double BHs: dynamics in gaseous nuclear disks.

Dray, L.M. 2006, MNRAS 370, 2079. On the metallicity dependence of HMXBs.

D'Souza, M.C.R. et al. (4 authors) 2006, ApJ 643, 381. Numerical simulations of onset and stability of mass transfer in binaries.

Dunkel, J., Chluba, J., Sunyaev, R.A. 2006, LeAZh 32, 288 (8b) Accretion of He and metal-rich gas onto NSs and BHs at high luminosities.

Fisher, J. 2006, Observatory 126, 143. Binary population and evolution. (10a)

Förster, F. et al. (4 authors) 2006, MNRAS 368, 1893. Constraints on Type Ia supernova progenitor time delays from high-z supernovae and the star formation history.

Frasca, A. et al. (6 authors) 2006, A&A 454, 301. Newly discovered active binaries in the RasTyc sample of stellar x-ray sources (see also Collections of Data).

Fryer, C.L., Rockefeller, G., Young, P.A. 2006, ApJ 647, 1269. γ-ray burst (interacting binary) model environments explored. (8abcd)

Gänsicke, B.T. et al. (7 authors) 2006, Ap&SS 303, 53. Ultraviolet studies of interacting binaries.

Gazeas, K., Niarchos, P. 2006, MNRAS 370, L29. Masses and angular momenta of contact binary stars.

Ginsburg, I., Loeb, A. 2006, MNRAS 368, 221. The fate of former companions to hypervelocity stars originating at the Galactic centre.

Gonçalves, A.C., Soria, R. 2006, MNRAS 371, 673. On the weakness of disc models in bright ultraluminous x-ray sources.

Gupta, S., Bottcher, M., Dermer, C.D. 2006, ApJ 644, 409. Time dependent synchrotron and Compton spectra from microquasar jets.

Han, Z., Podsiadlowski, Ph. 2006, MNRAS 368, 1095. A single-degenerate model for the progenitor of the Type Ia supernova 2002ic.

Heggie, D.C., Trenti, M., Hut, P. 2006, MNRAS 368, 677. Star clusters with primordial binaries - I. Dynamical evolution of isolated models.

Hsia, C.H., Ip, W.H., Li, J.Z. 2006, AJ 131, 3040. Evidence for binary origin of young PN.

Huang W., Gies, D.R. 2006, ApJ 648, 580. Rotation of stars in youung clusters increase with age: spun up by mass transfer in binary systems? (2ao)

Iapichino, L. et al. (4 authors) 2006, A&A 450, 655. The ignition of thermonuclear flames in type Ia supernovae.

Kaigorodov, P.V. et al. (4 authors) 2006, AZh 83, 601. (8bd) Superhumps in binaries and their connection to precessional spiral density waves.

Kato, S., Fukue, J. 2006, PASJ 58, 909. Spin of stellar-mass black holes estimated by a model of QPOs.

Kiel, P.D., Hurley, J.R. 2006, MNRAS 369, 1152. Populating the Galaxy with low-mass x-ray binaries.

Kim, E. et al. (7 authors) 2006, ApJ 647, 276. Statistical study cannot prove or reject the hypothesis that all LMXB were born in galactic clusters. (1*x, 9)

Komissarov, S.S. 2006, MNRAS 368, 993. Magnetized tori around Kerr black holes: analytic solutions with a toroidal magnetic field.

Lanza, A.F. 2006, MNRAS 369, 1773. Internal stellar rotation and orbital modulation in close binary systems.

Lanzafame, G., Belvedere, G., Molteni, D. 2006, A&A 453, 1027. Low compressibility accretion disc formation in close binaries: the role of physical viscosity.

Li, L., Zhang, F. 2006, MNRAS 369, 2001. The dynamical stability of W UMa-type systems.

Lombardi, J.C. et al. (6 authors) 2006, ApJ 640, 441. Stellar collisions to form compact x-ray binaries.

Madhusudhan, N. et al. (7 authors) 2006, ApJ 640, 918. Models of ultraluminous x-ray sources with intermediae BH's.

Martín, E.L. et al. (7 authors) 2006, A&A 456, 253. Resolved Hubble space spectroscopy of ultracool binary systems.

Merloni, A. et al. (4 authors) 2006, MNRAS 370, 1699. On the x-ray spectra of luminous, inhomogeneous accretion flows.

Miller, J.M. et al. (8 authors) 2006, Nature, 441, 953. The magnetic nature of disk accretion onto BH's.

Miller-Jones, J.C.A., Fender, R.P., Nakar, E. 2006, MNRAS 367, 1432. Opening angles, Lorentz factors and confinement of x-ray binary jets.

Mirabel, I.F. 2006, Science 312, 1759. Very energetic γ-Rays from microquasars and binary pulsars.

Nordhaus, J., Blackman, E.G. 2006, MNRAS 370, 2004. Low-mass binary-induced outflows from asymptotic giant branch stars.

Ozaki, J., Shigeyama, T. 2006, ApJ 644, 954. Spectroscopic method of identifying companion stars to type Ia SN. (8)

Paulson, D.B., Yelda, S. 2006, PASP 118, 706. Unsuccessful search for low-mass spectroscopic companions of young stars.

Pearson, K.J. 2006, MNRAS 371, 235. Superhumps: confronting theory with observation.

Pietsch, W. et al. (7 authors) 2006, A&A 454, 773. Optical novae: the major class of supersoft x-ray sources in M31.

Pooley, D., Hut, P. 2006, ApJ 646, L143. Dynamical formation of CV's in globular clusters. (9)

Pribulla, T., Rucinski, S.M. 2006, AJ 131, 2986. Contact binaries with distant companions (see also Collections of Data).

Price, D.J., Rosswog, S. 2006, Science 312, 719. Producing ultrastrong magnetic fields in neutron star mergers.

Protopapas, P. et al. (6 authors) 2006, MNRAS 369, 677. Finding outlier light curves in catalogues of periodic variable stars.

Pustylnik, V.-V., Pustylnik, I. 2006, Acta Astronomica 56, 83. Peculiarities of evolutionary history of EHB objects in binaries with hot subdwarf companions.

Rao, M.S. 2006, MNRAS 371, 303. Theoretical study of partial frequency redistribution function in irradiated, moving atmospheres of close binary components.

Regimbau, T., Pacheco, J.A. de F. 2006, ApJ 642, 455. Stochastic background from coalescence of NS-NS binaries.

Reimer, A., Pohl, M., Reimer, O. 2006, ApJ 644, 1118. Modelling nonthermal high-energy emission from colliding winds of massive stars. (8)

Remillard, R.A. et al. (4 authors) 2006, ApJ 646, 407. (1x*) Evidence for BH event horizons.

Schmidt, W., Niemeyer, J.C., Hillebrandt, W. 2006, A&A 450, 265. A localised subgrid scale model for fluid dynamical simulations in astrophysics. I. Theory and numerical tests.

Schmidt, W. et al. (4 authors) 2006, A&A 450, 283. A localised subgrid scale model for fluid dynamical simulations in astrophysics. II. Application to type Ia supernovae.

Shara, M. 2006, AJ 131, 2980. Tramp novae as tracers of intergalactic stars.

Shara, M.M., Hurley, J.R. 2006, ApJ 646, 464. CV evolution in dense star clusters. (8)

Sirotkin, F.V., Karetnikov, V.G. 2006, AZh 83, 735 (8c) Formation of a protoplanetary system by coalescence of a binary whose components are contracting towards the main sequence.

Sobolewska, M.A., Życki, P.T. 2006, MNRAS 370, 405. Spectral and Fourier analyses of x-ray quasi-periodic oscillations in accreting black holes.

Soker, N. 2006, ApJ 645, L57. Interacting binary origin for PN. (8)

Stepien, K. 2006, Acta Astronomica 56, 199. Evolutionary status of late-type contact binaries.

Stritzinger, M. et al. (4 authors) 2006, A&A 450, 241. Constraints on the progenitor systems of type Ia supernovae.

Tamuz, O., Mazeh, T., North, P. 2006, MNRAS 367, 1521. Automated analysis of EB light curves – I. EBAS – a new EB automated solver with EBOP.

Tokovinin, A. et al. (4 authors) 2006, A&A 450, 681. Tertiary companions to close spectroscopic binaries.

Tuthill, P. et al. (6 authors) 2006, Science 313, 935. Pinwheels in the Quintuplet cluster. Near-IR speckle observations reveal cocoon stars harbor binaries with colliding winds.

Urban, J.A., Sion, E.M. 2006, ApJ 642, 1029. Synthetic spectral analysis of dwarf novae during quiescence.

Walter, R. et al. (10 authors) 2006, A&A 453, 133. XMM-Newton and INTEGRAL observations of new absorbed supergiant HMXBs.

Willems, B., Kolb, U., Justham, S. 2006, MNRAS 367, 1103. EBs in extrasolar planet transit surveys: the case of SuperWASP.

Wood-Vasey, W.M., Sokoloski, J.L. 2006, ApJ 645, L53, Cavity origins about SN. (8)

Yildiz, M. et al. (4 authors) 2006, MNRAS 368, 1941. Modelling the components of binaries in the Hyades: the dependence of the mixing-length parameter on stellar mass.

Yungelson, L.R. et al. (7 authors) 2006, A&A 454, 559. The origin and fate of short-period low-mass black-hole binaries.

Zhang, F., Li, L. 2006, MNRAS 370, 1181. A library of Lick Observatory image dissector scanner indices for binary stellar populations.

Collections of data

Adelman, S.J., Harrell, W.L. 2006, Baltic Astronomy 15, 363. (1bo) BVRI Photometry: NZ Gem, HD 73017, HD 77247, RT Vir, 104 Her.

Barret, D., Olive, J.-F., Miller, M.C. 2006, MNRAS 370, 1140. (1x*, 5bceg) A study of kHz QPOs in the neutron star x-ray binaries: 4U 1636−536, 4U 1608−522, 4U 1735−44, 4U 1728−34, 4U 1820−303, 4U 0614+09.

Bogdanov, S.B. et al. (6 authors) 2006, ApJ 646, 1104. (2x) Observations of 27 millisecond pulsars in 47 Tuc.

Cakirli, O. et al. (4 authors) 2006, IBVS 5729. (5a) New times of minima of EB: TT Cet, MX Del, MZ Del, CP Psc.

Darnley, M.J. et al. (20 authors) 2006, MNRAS 369, 257. (1aio, 5c, 6b) Discovery of 20 classical novae from the POINT-AGAPE microlensing survey of M31.

Diethelm, R. 2006, IBVS 5713. (5a) 165. list of timings of minima of EBs by BBSAG observers.

Dogru, S.S. et al. (5 authors) 2006, IBVS 5707. (5a) 23 minima of 18 EB: HL Aur, TU Boo, TY Boo, TZ Boo, AC Boo, CV Boo, EF Boo, RW Com, RZ Com, CC Com, RZ Dra, AX Dra, BW Dra, EM Lac, V502 Oph, FZ Ori, XZ UMa, AW Vir.

Frasca, A. et al. (6 authors) 2006, A&A 454, 301. (1ao, 2abo, 5d) Newly discovered active binaries: HDE 237215, HD 57267, BD+38°2140, HD 183957, BD+15°4538, BD+33°4462 (see also General).

Gazeas, K. et al. (5 authors) 2006, Acta Astronomica 56, 127. (5bc) Physical parameters of components in CB systems: VI, New CCD LC for W UMa-type systems V410 Aur, CK Boo, FP Boo, V921 Her, ET Leo, XZ Leo, V839 Oph, V2357 Oph, AQ Psc and VY Sex.

Gierliński, M., Newton, J. 2006, MNRAS 370, 837. (1x*, 5cg) X-ray spectral transitions of the black hole transients: XTE J1550−564, XTE J1859+226, XTE J1650−500, XTE J2012+381, GRS 1739−278, H1743−322, 4U 1543−47, GX 339−4.

Griffin, R.F. 2006, Observatory 126, 186. (2a, 5d) SB with periods near 1, 2 or 3 years: 66 Ori, HD 14544, HD 216218, HDE 237201.

Gromadzki, W. et al. (6 authors) 2006, Acta Astronomica 56, 97. (5c) Searching for flickering variability in symbiotic stars and related objects: BX Mon, V471 Per, RS Oph, V627 Cas, CI Cam, V886 Her, Z And, T CrB, MWC 560, V407 Cyg.

Howell, S.B. et al. (11 authors) 2006, ApJ 646, L65. (1i, 2i) First Spitzer observations of magnetic CV's: evidence of excess emission at 3-8 μm: EF Eri, GG Leo, V347 Pav, RX J0154.0−5947.

Iliev, I.Kh. et al. (5 authors) 2006, MNRAS 370, 819. (2abco, 5deghk) Abundance analysis of the Am binaries: HD 861, HD 18778, HD 20320, HD 29479, HD 96528, HD 108651.

Kim, Chun-Hwey et al. (7 authors) 2006, IBVS 5694. (5a) 208 CCD timings for 103 EB: AA And, BD And, BL And, BX And, CO And, CP And, EP And, GZ And, OO Aql, RX Ari, AH Aur, V534 Aur, HL Aur, HP Aur, IM Aur, SX Aur, AC Boo, TZ Boo, XY Boo, CV Boo, SV Cam, UU Cam, WW Cam, AL Cam, AV Cam, AW Cam, AZ Cam, TX Cnc, WX Cnc, TW Cas, TX Cas, ZZ Cas, AB Cas, AL Cas, BS Cas, BU Cas, CW Cas, DN Cas, DO Cas, V380 Cas, V445 Cas, V523 Cas, V541 Cas, V651 Cas, VW Cep, VZ Cep, WY Cep, DV Cep, EG Cep, GK Cep, GW Cep, NN Cep, SU Cep, CC Com, EK Com, TW CrB, BR Cyg, Z Dra, RZ Dra, TZ Dra, AR Dra, AX Dra, BE Dra, BS Dra, BW Dra, BV Dra, SX Gem, SZ Her, AK Her, V359 Her, XZ Leo, CE Leo, SX Lyn, UV Lyn, TZ Lyr, FL Lyr, FZ Ori, RT Per, DK Per, DM Per, IQ Per, KW Per, LS Per, V432 Per, DV Psc, CU Sge, RZ Tau, AH Tau, CT Tau, GR Tau, V781 Tau, RV Tri, W UMa, XY UMa, ZZ UMa, AA UMa, W UMi, RU UMi, DL Vir, AW Vul, GP Vul.

Law, N.M., Hodgkin, S.T., Mackay, C.D. 2006, MNRAS 368, 1917. (1aioc, 5ce, 6b) Discovery of five very low mass close binaries: LSPM J1235+1318, LSPM J1314+1320, LSPM J1423+1318, LSPM J1735+2634, LSPM J1809+2128.

Liu, Q.Z., van Paradijs, J., van den Heuvel, E.P.J. 2006, A&A 455, 1165. (6a) Catalogue of HMXBs in the Galaxy (4th edition).

Masetti, N. et al. (12 authors) 2006, A&A 449, 1139. (1ao, 2do, 6bc) Optical identification of IGR J112154−5952, IGR J11305−6256 and IGR J16207−5129 as possible galactic HMXB's.

Muno, M.P. et al. (4 authors) 2006, ApJSS 165, 173. (1x, 2x) Chandra catalogue of x-ray sources in the central 150 pc of galaxy.

Nelemans, G., Jonker, P.G., Steeghs, D. 2006, MNRAS 370, 255. (1x, 2bco, 5cgh, 8a) Optical spectroscopy of (candidate) ultracompact x-ray binaries: constraints on the composition of the donor stars: J0929−314, 4U 0614+09, 4U 1626−67, XB 1916−05, 4U 1556−60, XB 1905+00, 4U 1822−00.

Paczynski, B. et al. (4 authors) 2006, MNRAS 368, 1311. (1ao, 5c, 6b, 8c) Preliminary analysis of EBs in the All Sky Automated Survey catalogue.

Panagia, N. et al. (6 authors) 2006, ApJ 646, 369. (2r) No radio emissions from 27 Type 1a SN.

Peters, C.S., Thorstensen, J.R. 2006, PASP 118, 687. (2a, 5b) Old novae: CP Lac, DN Gem, Q Cyg, V603 Aql, V841 Oph.

Polsgrove, D.E. et al. (4 authors) 2006, IBVS 5710. (1a, 5ab) CCD photometry and timings: DF Lyr, BY Peg, CW Peg, RW Tri.

Pretorius, M.L., Warner, B., Woudt, P.A. 2006, MNRAS 368, 361. (1ao) Dwarf nova oscillations and QPOs in 13 systems observed: WW Cet, BP CrA, AG Hya, WX Hyi, X Leo, BR Lup, HP Nor, V426 Oph, V1159 Ori, V1193 Ori, RU Peg, HX Peg, V893 Sco.

Pribulla, T., Rucinski, S.M. 2006, AJ 131, 2986. (6a) Catalogue of contact binaries with distant companions (see also General).

Pribulla, T. et al. (11 authors) 2006, AJ 132, 769. (2a, 5c) DU Boo, ET Boo, TX Cnc, V1073 Cyg, HL Dra, AK Her, VW LMi, V566 Oph, TV UMi, AG Vir; ET Boo, VW LMi, TV UMi are quadruple; AG Vir is triple.

Prieur, J.-L., Carquillat, J.-M., Griffin, R.F. 2006, Astron. Nachr. 327, 686. (2a, 5d) CORAVEL spectrophotometric measurements of three red gialnt SB1 systems: HR 1304, HR 1908, HD 126947.

Rana, V.R. et al. (4 authors) 2006, ApJ 642, 1042. (2cdx) Non-magnetic CVs observed at Fe Kα. V603 Aql, WX Hyi, V426 Oph, SU UMa observed in quiescence only, SS Cyg, U Gem obseved in both quiescence and outburst.

Rucinski, S.M. 2006, MNRAS 368, 1319. (1ao, 5ce, 6b) Luminosity function of contact binaries based on the All Sky Automated Survey.

Samus', N.N. et al. (8 authors) 2006, LeAZh 32, 295. (6a) Electronic version of the third volume of GCVS with Improved Coordinates.

Schmidtke, P.C., Cowley, A.P. 2006, AJ 132, 919. (1o*) Photometric variability of pulsar binaries in SMC: XMMU J005152.3−731033, RX J0051.8−7231, RX J0052.1−7319, CXOU J005323.8−722715, XMMU J005605.2−722200, XMMU J005920.8−722316, CXOU J010102.7−720658, SAX J0103.2−7209, RX J0103.6−7201, RX J0105.1−7211.

Schmidtke, P.C., Cowley, A.P., Udalski, A. 2006, AJ 132, 971. (1ox, 5b, 6c) Be x-ray pulsars in SMC: RX J0052.9−7158, 2E 0053.7−722, SMC X-2, RX J0057.8−7202, CXOU J005750.3−720756, RX J0059.2−7138, XTE J0111.2−7317, RX J0117.6−7330.

Sguera, V. et al. (12 authors) 2006, ApJ 646, 452. (1g, 6b) Supergiant HMXB candidates unveiled.

Soydugan, E. et al. (4 authors) 2006, MNRAS 370, 2013. (6a) A catalogue of close binaries located in the δ Scuti region of the Cepheid instability strip.

Tomsick, J.A. et al. (6 authors) 2006, ApJ 647, 1309. (1oix, 2x) X-ray identifications of four IGR sources: IGR J16195−4945, IGR J16207−5129 probably HMXBs, IGR J16167−4957, IGR J17195−4100 probably not.

Trudolyubov, S., Priedhorsky, W., Cordova, F. 2006, ApJ 645, 277. (1x, 2x) Bright x-ray transients detected in M31.

van den Berg, M. et al. (12 authors) 2006, ApJ 647, L135. (1aio, 2x, 6b) Discovery of candidate symbiotic binaries in Baade's and Stanek's windows.

Vierdayanti, K. et al. (4 authors) 2006, PASJ 58, 915. (2x, 5i) Existence of intermediate-mass black holes in the ultraluminous x-ray sources: NGC 5204 X-1, NGC 4559 X-7, NGC 4559 X-10, NGC 1313 X-2.

Williams, B.F. et al. (4 authors) 2006, ApJ 643, 356. (2dx, 6ab) Catalog of 45 new transient x-ray sources in M31.

Witham, A.R. et al. (12 authors) 2006, MNRAS 369, 581. (1ao, 5bceg) Properties of 71 CVs in photometric Hα surveys.

Proceedings of Conferences, Symposia, and Monographs

Astronomical Polarimetry: Current Status and Future Direction, eds. *A. Adamson, C. Aspin, C.J. Davis, T. Fujiyoshi* 2005, ASP Conf. Ser. 343.

Close Binaries in the 21st Century: New Opportunities and Challenges, eds. *A. Giménez, E. Guinan, P. Niarchos, S. Rucinski* 2006, Ap&SS 304. (100 papers)

IAU Commission 42

BIBLIOGRAPHY OF CLOSE BINARIES

No. 83, December 2006

Editor-in-Chief: C.D. Scarfe

Department of Physics and Astronomy
University of Victoria
Victoria, B.C., V8W 3P6, Canada

Phone: +01 250 721-7749
Fax: +01 250 721-7715
scarfe@uvic.ca