International Astronomical Union
Commission 42

BIBLIOGRAPHY OF CLOSE BINARIES

No. 96

Editor-in-Chief:

C.D. Scarfe

Editors:

H. Drechsel
D.R. Faulkner
E. Kilpio
Y. Nakamura
P.G. Niarchos
R.G. Samec
E. Tamajo
W. Van Hamme
M. Wolf

Material published by March 15, 2013

BCB issues are available via URL:
http://www.konkoly.hu/IAUC42/bcb.html,
http://www.sternwarte.uni-erlangen.de/pub/bcb or
http://www.astro.uvic.ca/~robb/bcb/comm42bcb.html

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

Several entries of this issue use the abbreviation:

OAP — Odessa Astronomical Publications (issue of the Odessa Astronomical Observatory of the Odessa State University, Ukraine), Astroprint Publishing Company, Ukraine

Individual Stars

Z And	*Skopal, A., Shagatova, N.* 2012, A&A 547, A45. (2du*) Symbiotic binary orbital inclination measured from Rayleigh scattering.
V455 And	*Bloemen, S. et al.* (7 authors) 2013, MNRAS 429, 3433. (2abc, 5bdegi) Spectral variability on the spin period.
R Aqr	*Mayer, A. et al.* (17 authors) 2013, A&A 549, 69. (8b, 9) Large-scale environments of binary AGB star probed by Herschel; morphology statistics and case study.
AE Aqr	*Zamanov, R.K. et al.* (6 authors) 2012, Astron. Nachr. 333, 736. (1ao, 5i) Study of flickering activity of CV.
W Aql	*Mayer, A. et al.* (17 authors) 2013, A&A 549, 69. (8b, 9) Large-scale environments of binary AGB star probed by Herschel; morphology statistics and case study.
V1333 Aql (Aql X-1)	*Asai, K. et al.* (9 authors) 2012, PASJ 64, 128. (1x, 2dx) Two distinct groups of the fast and slow types in the outburst initial behaviour.
V1408 Aql	*Mason, P.A. et al.* (4 authors) 2012, AJ 144, 108. (1ao, 5bg) Long-term study of ellipsoidal variable.
V1464 Aql	*Dal, H.A., Sipahi, E.* 2013, PASA 30, 16. (1ao, 5c) A new ellipsoidal variable with a δ Sct component.
V1487 Aql (GRS 1915+105)	*Punsly, B., Rodriquez, J.* 2013, ApJ 764, 144. (1i, 2i) The relationship between x-ray luminosity and major flares.
V801 Ara (4U 1636−53)	*Torok, B. et al.* (6 authors) 2012, ApJ 760, 138. (2dx*) Mass-angular momentum relations implied by models.
V821 Ara (GX 339-4)	*Stiele, H. et al.* (4 authors) 2013, MNRAS 429, 2655. (1x, 5cgi, 8a) Relations between x-ray timing features and spectral parameters.
TT Ari	*Belova, A.I. et al.* (8 authors) 2013, AstL 38, 111. (1a, 5b) Comparative analysis of photometric variability in the years 1994-1995 and 2001, 2004.
ϵ Aur	*Guinan, E.F. et al.* (12 authors) 2012, A&A 546, A123. (1ao, 2ao, 5cd, 6b) Large distance inferred from interstellar absorption and reddening.
TY Boo	*Christopoulou, P.-E. et al.* (4 authors) 2012, AJ 144, 149. (1ao, 5abcgj) Shallow W-type WUMa, with cyclic magnetic activity.
CR Boo	*Honeycutt, R.K. et al.* (6 authors) 2013, PASP 125, 126. (1ao, 5gi) Long-term photometry of AM CVn-type CV.
GN Boo	*Yang, Y.-G., Qian, S.-B., Dai, H.-F.* 2013, AJ 145, 60. (1ao, 5abc) W-type W UMa with cyclic period changes.
BZ Cam	*Honeycutt, R.K., Kafka, S., Robertson, J.W.* 2013, AJ 145, 45. (1ao, 2d, 5bgj) Variable wind in nova-like CV.
CI Cam (XTE J0421+560)	*Bartlett, E.S. et al.* (5 authors) 2013, MNRAS 429, 1213. (1x, 2bc, 5cdgij, 8b) Timing and spectral analysis.
WW CMa	*Szabados, L.* 2012, IBVS. No. 6038. (1a, 5ab) Classification of variable star.
γ CMi	*Fekel, F.C. et al.* (5 authors) 2013, Astron. Nachr. 334, 223. (2ao, 5bde) Spectroscopic orbit solution of evolved K-type SB2 system.
η Car	*Tsebrenko, D., Akashi, M., Soker, N.* 2013, MNRAS 429, 294. (8abc) Numerical simulations of wind-equatorial gas interaction.
CC Cas	*Gorda, S.Yu.* 2013, AstBu 68, 101. (2ad, 5c) CCD spectrophotometry; RV curves.

V1043 Cas	*Samec, R.G. et al.* (5 authors) 2013, AJ 145, 14. (1aoi, 5abc) Pre-contact binary.
ω Cen V239	*Kai, L., Sheng-Bang, Q.* 2012, AJ 144, 161. (1ao, 5c) Algol-type eclipsing blue straggler.
V779 Cen (Cen X-3)	*Naik, S., Paul, B.* 2012, BASI 40, 503. (1x, 2dx) Variability of iron emission lines.
EG Cep	*Angione, R.J., Sievers, J.R.* 2013, PASP 125, 41. (1ao, 2a, 5cde) Four-colour Strömgren photometry.
V691 CrA (X1822−371)	*Peris, C.S., Vrtilek, S.D.* 2012, MNRAS 427, 1043. (2abc, 5bcgi) A tomographic study.
α CrB	*Kennedy, G.M. et al.* (6 authors) 2012, MNRAS 426, 2115. Herschel images of coplanar circumbinary debris disc.
UW CrB	*Mason, P.A. et al.* (4 authors) 2012, AJ 144, 108. (1ao, 5abi) Long-term study, bursts from AD.
WZ Crv	*Virnina, N.A., Zola, S., Krajci, T.* 2012, OAP 25, 45. (1a, 5c) Modelling of semidetached binary.
59 Cyg	*Peters, G.J. et al.* (5 authors) 2013, ApJ 765, 2. (2u) Detection of subdwarf companion.
CG Cyg	*Shi, X.-M., Xiang, F.-Y., Lu, Y.* 2012, PASJ 64, 121. (5b) Orbital-period investigation.
KR Cyg	*Sipahi, E., Íbanoğlu, C., Çakirli, O.* 2013, RMAA 49, 25. (1bo, 2ao, 5cde) Near-contact system.
V382 Cyg	*Yaşarsoy, B., Yakut, K.* 2013, AJ 145, 9. (1aoi, 2a*, 5abcdej) Period increase due to mass transfer.
V1357 Cyg (Cyg X-1)	*Jourdain, E. et al.* (4 authors) 2012, ApJ 761, 27. (3bx) Probable detection of radio jet in the x-ray. *Shahid, R., Misra, R., Jaaffrey, S.N.A.* 2012, RAA 12, 1427. (1x*, 2d) Comprehensive spectral analysis.
V1521 Cyg (Cyg X-3)	*Belczynski, K.* 2013, ApJ 764, 4. (8ac) A BH-BH progenitor? *McCollough, M.L., Smith, R.K., Valencic, I.A.* 2013, ApJ 762, 2. (1x, 2x) Interacts with its nearby Bok globule. *Weng, S.-S. et al.*(5 authors) 2013, ApJ 763, 34. (1x, 2x) State-dependent orbital modulation. *Zdziarski, A.A. et al.* (5 authors) 2012, MNRAS 426, 1031. (1x*, 5j) Energy-dependent orbital modulation of x-rays.
V1918 Cyg	*Yang, Y.-G., Qian, S.-B., Dai, H.-F.* 2013, AJ 145, 60. (1ao, 5abc) W-type W UMa with cyclic and long-term period changes.
V2246 Cyg (EXO 2030+375)	*Naik, S. et al.* (4 authors) 2013, ApJ 764, 158. (1x, 2x) Properties during type I outburst.
V2468 Cyg	*Chochol, D. et al.* (7 authors) 2013, IBVS No. 6045. (1a, 5b) Detection of 3.5-hour period in classical nova. *Tarasova, T.N.* 2013, ARep 57, 95. (2cd, 5cehj) Spectral variations of the nova at various stages of the development of its outburst.
AG Dra	*Sion, E.M. et al.* (5 authors) 2012, AJ 144, 171. (8ab) Origin of x-rays from symbiotic system.
BX Dra	*Park, J.-H. et al.* (5 authors) 2013, PASJ 65, 1. (1ao, 5abce) Light and period variations.

IX Dra	*Otulakowska-Hypka, M. et al.* (6 authors) 2013, MNRAS 429, 868. (1ao, 5bcgi) A curious ER UMa-type dwarf nova.
RU Eri	*Williamon, R.M., Sowell, J.R., Van Hamme, W.V.* 2013, PASP 125, 17. (1ao, 2a*, 5abcde) Near-contact system.
KT Eri	*Imamura, K., Tanabe, K.* 2012, PASJ 64, 120. (1ao, 2cdo) Spectroscopic and photometric report of the high galactic-latitude nova.
κ For	*Tokovinin, A.* 2013, AJ 145, 76. (1ao, 2ado, 4c, 5de) RV and interferometry yield outer orbit in triple system.
AE For	*Rozyczka, M. et al.* (6 authors) 2013, MNRAS 429, 1840. (1ao, 2abc, 5abcdeg) Absolute parameters.
V369 Gem	*Dal, H.A., Sipahi, E., Özdarcan, O.* 2012, PASJ 64, 125. (1bo, 5bc) A new ellipsoidal variable with chromospheric activity.
MM Her	*Taş, G., Evren, S.* 2013, Astron. Nachr. 334, 251. (1bo, 5abce) Study of long-term photometric variability and LC analysis of RS CVn-type binary.
V994 Her	*Zasche, P., Unhlař* 2013, MNRAS 429, 3472. (1ao, 5abce) A quintuple system of two bound EBs.
DK Lac	*Takai, D., Sakamoto, T., Drake, J.J.* 2013, AJ 145, 18. (2dx, 5i) Discovery of x-ray emission in old nova, possibly from accretion onto WD.
UZ Leo	*Rucinski, S.M., Lu, W.* 2012, AJ 144, 157. (10b) Erratum in AJ, 118, 2451, 1999.
BL Leo	*Yang, Y.-G., Qian, S.-B., Dai, H.-F.* 2013, AJ 145, 60. (1ao, 5abc) W-type W UMa with long-term period changes.
χ Lup	*Le Bouquin, J.-B. et al.* (6 authors) 2013, A&A 551, 121. (5e) Masses and age of the chemically peculiar SB2.
IL Lup (4U 1543−47)	*Koen, C.* 2013, ApJ 765, 53. (1x, 2x) 3 sets of RXTE observations of LMXB.
V640 Mon (HD 47129)	*Grunhut, J.H. et al.* (17 authors) 2013, MNRAS, 428, 1686. (3b, 5cgk) Discovery of a magnetic field in the rapidly rotating secondary.
QX Nor (4U 1608−52)	*Asai, K. et al.* (9 authors) 2012, PASJ 64, 128. (1x, 2dx) Two distinct groups of the fast and slow types in initial behaviour of outburst.
V381 Nor (XTE J1550−564)	*Li, Z.B. et al.* (5 authors) 2013, MNRAS 428, 1704. (1x, 5bcgi) Energy-dependence of the centroid frequency of the low-frequency QPOs.
V2107 Oph (H1705−250)	*Yang, Y.J. et al.* (5 authors) 2012, MNRAS 427, 2876. (1ox, 5cg, 6c) Quiescent x-ray/optical counterparts of the BH transient.
V1055 Ori (4U 0614+09)	*Linares, M. et al.* (15 authors) 2012, ApJ 760, 133. (1g) Observation of 15 thermonuclear bursts from NS. *Madej, O.K. et al.* (6 authors) 2013, MNRAS 429, 2986. (1x, 2abc, 5bcdeghij, 8a) Time-resolved X-Shooter spectra and RXTE LCs.
Y Psc	*Reed, P.A., Yukas, B.J.* 2012, AJ 144, 146. (1ao, 5abci) Variable accretion rate.
X Pup	*Szabados, L. et al.* (4 authors) 2012, MNRAS 426, 3154. (2ao, 5b, 6b) Binarity of cepheid variable identified; implications of binary frequency of cepheids for period-luminosity relation discussed.
T Pyx	*Imamura, K., Tanabe, K.* 2012, PASJ 64, L9. (2cdo) Low-resolution spectroscopy of the 2011 nova outburst at its early stage.
QX Sge (PSR B1957+20)	*Huang, R.H.H. et al.* (6 authors) 2012, ApJ 760, 92. (1x, 2x) Discovery of bursting LMXB.

	Wu, E.M.H. et al. (8 authors) 2012, ApJ 761, 181. (1g, 2g) Phase-dependent variability of γ-rays from Black Widow pulsar.
X Sgr	*Li Causi, G. et al.* (7 authors) 2013, A&A 549, 64. (4c) On the binarity of the classical Cepheid from interferometric observations.
XX Sgr	*Szabados, L. et al.* (4 authors) 2012, MNRAS 426, 3154. (2ao, 5b, 6b) Binarity of cepheid variable identified; implications of binary frequency of cepheids for period-luminosity relation discussed.
V4722 Sgr (SAX J1810.8−2609)	*Zhu, L., Stefano, R.D., Wyrzykowski, L.* 2012, ApJ 761, 118. (1ix) Long-term monitoring of LMXB transient.
α Sco A	*Pugh, T., Gray, D.F.* 2013, AJ 145, 38. (2ao, 2ao*, 2do, 5d) Six-year period probably due to pulsation. but possibly to binary motion.
δ Sco	*Meilland, A. et al.* (6 authors) 2013, A&A 550, 5. (2c, 8b) Binary Be star at high spectral and spatial resolution. II. Circumstellar disk evolution after periastron.
U Sco	*Orio, M. et al.* (10 authors) 2013, MNRAS 429, 1342. (1x, 2bc, 5cdegij) Thomson scattering and collisional ionization in the x-ray grating spectra.
V383 Sco	*Galan, C. et al.* (12 authors) 2013, A&A 550, 93. (5e) A new look at the long-period EB.
V393 Sco	*Mennickent, R.E. et al.* (8 authors) 2012, MNRAS 427, 607. (2ab, 5deg, 8a) Cyclic bipolar wind in the binary.
V818 Sco (Sco X-1)	*Church, M.J. et al.* (4 authors) 2012, A&A 546, A35. (2dx, 5i) *Wang, J., Chang, H.-K., Liu, C.-Y.* 2012, A&A 547, A74. (2dx*) Energy dependence of normal branch oscillations in the LMXB.
V1033 Sco (GRO J1655−40)	*Motta, S. et al.* (7 authors) 2012, MNRAS 427, 595. (1x, 5cgi, 8a) Study of the low-frequency QPO during the 2005 outburst.
V1101 Sco (GX 349+2)	*Church, M.J. et al.* (4 authors) 2012, A&A 546, A35. (2dx, 5i) LMXB.
CC Scl	*Woudt, P.A. et al.* (11 authors) 2012, MNRAS 427, 1004. (1aox, 2c, 5bcgi) A superhumping IP.
V479 Sct (LS 5039)	*Moldón, J., Ribó, M., Paredes, J.M.* 2012, A&A 548, A103. (4br) Periodic morphological changes in the radio structure of the γ-ray binary. *Yamaguchi, M.S., Takahara, F.* 2012, ApJ 761, 146. (1x*, 2x*) Inverse Compton scattering model for x-ray emission from γ-ray binary.
V496 Sct (Nova 2009)	*Raj, A. et al.* (6 authors) 2012, MNRAS 425, 2576. (1aio, 2acio) IR and optical photometric and spectroscopic monitoring of classical nova from pre-maximum to nebular stage.
CV Ser (WR 113)	*David-Uraz, A. et al.* (11 authors) 2012, MNRAS 426, 1720. (1ao, 2ao, 5djk) Atmospheric eclipses of WR binary investigated.
NP Ser (GX 17+2)	*Church, M.J. et al.* (4 authors) 2012, A&A 546, A35. (2dx, 5i) LMXB.
SW Sex	*Dhillon, V.S., Smith, D.A., Marsh, T.R.* 2013, MNRAS 428, 3559. (2cd, 5cgi, 8a) High-time-resolution spectrophotometry.
AY Sex (PSR J1023+0038)	*Wang, X., Wang, Z., Morrell, N.* 2013, ApJ 764, 144. (1*i, 2i) The short-term nature of its interacting phase in 2000-2001.
CF Tau	*Lacy, C.H.S., Torres, G., Claret, A.* 2012, AJ 144, 167. (1ao, 2ao, 5abcde) Models match ages; third body orbit determined.
FU Tau	*Monin, J.-L. et al.* (5 authors) 2013, A&A 551, 1. (5g) A molecular outflow driven by the BD binary.

V1241 Tau — *Yang, Y.G. et al.* (4 authors) 2012, AJ 144, 136. (1ao, 5abc) Algol system with third component.

β Tri — *Kennedy, G.M. et al.* (6 authors) 2012, MNRAS 426, 2115. Herschel images of coplanar circumbinary debris disc.

KZ TrA (4U 1626−67) — *Camero-Arranz, A. et al.* (6 authors) 2012, A&A 546, A40. (2dx, 5ik) Accretion-powered PSR in LMXB before and after the 2008 torque reversal.

ξ UMa — *Wright, E.L. et al.* (15 authors) 2013, AJ 145, 84. (2di, 4ai) Very distant brown dwarf companion to multiple system discovered.

DW UMa — *Dhillon, V.S., Smith, D.A., Marsh, T.R.* 2013, MNRAS 428, 3559. (2cd, 5cgi, 8a) High-time-resolution spectrophotometry.

KV UMa (XTE J1118+480) — *Khargaria, J. et al.* (4 authors) 2013, AJ 145, 21. (1i, 2di, 5e) Mass of BH determined.

GP Vel (Vel X-1) — *Maitra, C., Paul, B.* 2013, ApJ 763, 79. (1x, 2x) Pulse-phase-resolved spectroscopy.

V467 Vel (ALS 1135) — *Michalska, G. et al.* (5 authors) 2013, MNRAS 429, 1354. (1ao, 2abc, 5abcdeg) New physical and orbital parameters.

PY Vir — *Zhu, P.Y. et al.* (5 authors) 2013, AJ 145, 39. (1ao, 2a*, 5abcde) A-type marginal contact binary with possibly double third component.

V406 Vul (XTE J1859+226) — *Corral-Santana, J.M. et al.* (6 authors) 2013, RMAASC 42, 3. (1ao, 2b, 5cd).
Farinelli, R. et al. (10 authors) 2013, MNRAS 428, 3295. (1x, 5cgi, 8a) Spectral evolution during its outburst.

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

HR 4049 — *Acke, B. et al.* (10 authors) 2013, A&A 551, 76. (5i) Amorphous carbon in the disk around the post-AGB binary. Discerning dust species with featureless opacity curves.

HD 31617 — *Guinan, E.F. et al.* (12 authors) 2012, A&A 546, A123. (1ao, 2ao, 5cd, 6b) New SB.

HD 31894 — *Guinan, E.F. et al.* (12 authors) 2012, A&A 546, A123. (1ao, 2ao, 5cd, 6b) New SB.

HD 47129 — (see V640 Mon)

HD 99842 (PN G290.5+07.9) — *Boffin, H.M.J. et al.* (8 authors) 2012, Science 338, 773. (2ado, 5d) PN central star is CB and powers precessing outflows of an evolved star.

HD 120678 — *Gamen, R. et al.* (8 authors) 2012, A&A 546, A92. (2do, 1ao*) Discovery of a shell-like event in the O-type star.

HD 137603 (WR 70) — *Williams, P.M. et al.* (7 authors) 2013, MNRAS 429, 494. (1ai, 2bc, 5bcdegj, 8ab) Long-term semiregular dust formation.

HD 164816 — *Trepl, L. et al.* (10 authors) 2012, MNRAS, 427, 1014. (1gorx, 2a, 5bcdeg) A multi-wavelength study.

HD 165246 — *Mayer, P., Harmanec, P., Pavlovski, K.* 2013, A&A 550, 2. (5e) Early-type binary with a low mass ratio.

HD 181068 — *Borkovits, T. et al.* (10 authors) 2013, MNRAS, 428, 1656. (1ao, 2a, 5bceg) Absolute physical parameters and 3D orbits.

HD 188774 (KIC 5988140)	*Lampens, P. et al.* (12 authors) 2013, A&A 549, 104. (5b) Low-frequency variations of unknown origin in Kepler δ Sct star.
BD +43°3654	*Terada, Y. et al.* (7 authors) 2012, PASJ 64, 138. (2dx) Search for diffuse x-rays from the bow shock region.
CD −30°11223 (GALEX J141115.9−305307)	*Vennes, S. et al.* (5 authors) 2012, ApJ 759, L25. (1do, 2do, 5e) Possible progenitor for Type Ia SN.
CPD −63°2495 (PSR B1259−63) (LS 2883)	*Abramowski, A. et al.* (205 authors) 2013, A&A 551, 94. (2g, 2x) HESS observations around the 2010/2011 periastron passage. *van Soelen, B. et al.* (4 authors) 2012, MNRAS 426, 3135. (1ai, 2cdo, 5i) Interaction between pulsar and Be disc investigated.

X-ray sources with constellation names

Aql X-1	(see V1333 Aql)
Cen X-3	(see V779 Cen)
Cyg X-1	(see V1357 Cyg)
Cyg X-3	(see V1521 Cyg)
Holmberg IX X-1	(see RX J0957.9+6903)
LMC X-1	(see 2MASS J05393883−6944356)
NGC 1313 X-1	(see RX J0320.3−6629)
NGC 5408 X-1	*Pasham, D.R. Strohmayer, T.E.* 2013, ApJ 764, 93. (1x, 2x) Quasi-periodic dips from ULXs.
X Sgr X-4	(see 4U 1820−30)
Sco X-1	(see V818 Sco)
Vel X-1	(see GP Vel)

Objects with names including RA and DEC

SDSS J001641−000925	*Davenport, J.R.A. et al.* (10 authors) 2013, ApJ 764, 62. (1a, 2a, 4c, 5bcde) Observations and solution of 0.198561d period M-dwarf contact binary.
XMMU J004243.6+412519	*Esposito, P. et al.* (5 authors) 2013, MNRAS 428, 2480.(1aox, 5bcgi) Multi-wavelength study. *Middleton, M.J. et al.* (37 authors) 2013, Nature 493, 187. (2dx, 4cr) Bright radio emission from an ultraluminous stellar-mass microquasar in M31.
RX J0048.3−7332 (SMC 3)	*Kato, M., Hachisu, I., Mikolajewska, J.* 2013, ApJ 763, 5. (1ix, 5c) WD-M-type giant, pre-SN type 1a EB.
RX J0123.4−7321	*Sturm, R. et al.* (4 authors) 2013, A&A 551, 96. (2g, 2x) A Be/x-ray binary in the wing of the SMC.
XMMU J013236.7+303228	*Bhalerao, V.B., van Kerkwijk, M.H., Harrison, F.A.* 2012, ApJ 757, 10. (2ao, 2x*, 5e) Constraint on the mass of the NS.
SDSS J013532.98+144555.9 (NLTT 5306)	*Steele, P.R. et al.* (9 authors) 2013, MNRAS 429, 3492. (1ix, 2abc, 5bcdeg) The shortest-period detached WD+BD binary.

SDSS J013851.54−001621.6	*Parsons, S.G. et al.* (9 authors) 2012, MNRAS 426, 1950. (1ao, 2aco, 5abcde) Accurate determination of elements and absolute dimensions of ultra-cool WD + M dwarf system.
RX J0320.3−6629 (NGC 1313 X-1)	*Walton, D.J. et al.* (4 authors) 2012, MNRAS 426, 473. (1x*) Analysis of XMM data gives no evidence for massive outflow of BH candidate x-ray binary.
CSS091109:035759+102943	*Schwope, A.D., Thinius, B.* 2012, Astron. Nachr. 333, 717. (1ao) Time-resolved photometry shows orbital variations with P = 114 min; classification as AM Her-type polar suggested.
XTE J0421+560	(see CI Cam)
2MASS J05124702−6906089 (HV 914)	*Szabados, L., Nehéz, D.* 2012, MNRAS 426, 3148. (2ao*, 5d) Spectroscopic binarity of LMC cepheid detected.
OGLE 05155332−6925581	*Garrido, H.E. et al.* (6 authors) 2013, MNRAS 428, 1594. (1ao, 2abc, 5bcdegij, 8abd) Physical parameters and evolutionary route.
SNR J053606−673408 (DEM L241)	*Seward, F.D. et al.* (8 authors) 2012, ApJ 759, 123. (1x) SN remnant probably contains a HMXB.
2MASS J05393883−6944356 (LMC X-1)	*Steiner, J.F. et al.* (9 authors) 2012, MNRAS 427, 2552. (1x, 5cegi, 8a) Identification of broad relativistic reflection features.
4U 0614+091	(see V1055 Ori)
IPHAS J062746.41+014811.3	*Aungwerojwit, A. et al.* (7 authors) 2012, ApJ 758, 79. (1aou, 2dx) Discovery of deeply eclipsing IP.
SDSS J065133.33+284423.3	*Hermes, J.J. et al.* (9 authors) 2012, ApJ 757, L21. (1ao, 2do, 5e) Rapid orbital decay due to gravitational radiation.
MXB 0656−07	*Nespoli, E., Reig, P., Zezas, A.* 2012, A&A 547, A103. (2bdox) Be/x-ray HMXB.
WD 0837+185	*Casewell, S.L. et al.* (9 authors) 2013, ApJ 759, L34. (2cdo, 5e) Brown dwarf in a close binary with a massive WD.
2MASS J08441103+5423473 (NSVS 02502726)	*Lee, J.W. et al.* (4 authors) 2013, AJ 145, 16. (1ao, 2a*, 5abcde) Decreasing period.
SDSS J090350.73+330036.1	*Voloshina, I.B., Khruzina T.S.* 2012, ARep 56, 819 (1a, 5bci) Changes in the parameters of AD around dwarf nova during an outburst.
RX J0957.9+6903 (Holmberg IX X-1)	*Walton, D.J. et al.* (4 authors) 2012, MNRAS 426, 473. (1x*) Analysis of XMM data gives no evidence for massive outflow of BH candidate x-ray binary.
RX J1007.5−2017	*Thomas, H.-C. et al.* (4 authors) 2012, A&A 546, A104. (1aoi, 2dx, 3bo, 5abcd)
PSR J1023+0038	(see AY Sex)
RX J1037.5−5647	*Li, J. et al.* (6 authors) 2012, ApJ 761, 49. (2dx) Possible association with two γ-ray sources.
PG 1104+243	*Vos, J. et al.* (21 authors) 2012, A&A 548, A6. (1aoi*, 2ao, 5dg) The orbit of the sdB+G0 system.
XTE J1118+480	(see KV UMa)
CSS100603:112253−111037	*Breedt, E. et al.* (6 authors) 2012, MNRAS 425, 2548. (2aco, 5bi) AM CVn-type dwarf nova below CV period gap.
XSS J12270−4859	*de Martino, D. et al.* (13 authors) 2013, A&A 550, 89. (2g, 2x) LMXB with γ-ray Fermi-LAT association.
PSR B1259−63	(see CPD −63°2495)

PSR J1311−3430	*Pletsch, H.J. et al.* (154 authors) 2012, Science 338, 1314. Binary millisecond PSR discovery via γ-ray pulsations.
PG 1316 + 678	*Shimansky, V.V. et al.* (7 authors) 2013, ARep 57, 212 (1a, 2ac, 5cdgh) Analysis of reflection effects.
SDSS J135523.92+085645.4	*Badenes, C. et al.* (8 authors) 2013, MNRAS 429, 3596. (2abc, 5bcegi, 8a) A detached WD + M-star binary in the period gap.
Swift J1357.2−0933	*Armas, P.M. et al.* (4 authors) 2013, MNRAS 428, 3083. (1aoux, 5cgi) Multiwavelength spectral evolution during the 2011 outburst. *Corral-Santana, J.M. et al.* (8 authors) 2013, Science 339, 1048. (1ao, 2ado, 5d) BH nova obscured by inner disk torus.
GALEX J141115.9−305307	(see CD −30°11223)
PKS J1502−4205 (SN 1006)	*González Hernández, J.I. et al.* (7 authors) 2012, Nature 489, 533. (2dou, 5g) No surviving evolved companions of the type Ia SN progenitor.
4U 1543−47	(see IL Lup)
XTE J1550−564	(see V381 Nor)
4U 1608−52	(see QX Nor)
4U 1626−67	(see KZ TrA)
IGR J16328−4726	*Fiocchi, M. et al.* (8 authors) 2013, ApJ 762, 19 (1x, 2x). BeppoSAX and INTEGRAL analysis of HMXB.
4U 1636−53	(see V801 Ara)
IGR J16479−4514	*Pizzolato, F., Sidoli, L.* 2013, ApJ 762, 67 (8ac). Stochastic accretion and the variability of HMXBs. *Sidoli, L. et al.* (9 authors) 2013, MNRAS 429, 2763. (1x, 5bceg, 8a) A Suzaku x-ray observation of one orbit.
XTE J1650−500	*Curran, P.A., Chaty, S., Zurita Heras, J.A.* 2012, A&A 547, A41. (1aoi, 2cdoi, 5i) Disentangling the NIR/optical emission of the BH LMXB during outburst. *Stiele, H. et al.* (4 authors) 2013, MNRAS 429, 2655. (1x, 5cgi, 8a) Relations between x-ray timing features and spectral parameters.
XTE J1652−453	*Chiang, C.-Y. et al.* (4 authors) 2012, MNRAS 425, 2436. (1x, 2cx, 5ij) Analysis of XMM and RXTE data of BH candidate system.
GRO J1655−40	(see V1033 Sco)
OAO 1657−415	*Jenke, P.A. et al.* (4 authors) 2012, ApJ 759, 124. (1gx) Orbital decay and evidence of disk formation.
MAXI J1659−152	*Kong, A.K.H.* 2012, ApJ 760, L27. (1ao) Inferred distance.
H 1705−250	(see V2107 Oph)
IGR J17195−4100	*Girish, V., Singh, K.P.* 2012, MNRAS 427, 458. (1gx*, 5bcgi) Modelling the x-ray emission.
IGR J17252−3616	*Manousakis, A., Walter, R., Blondin, J.M.* 2012, A&A 547, A20. (2dx*, 8b) NS masses from hydrodynamical effects in obscured supergiant HMXB.
2MASS J17343374+2958056 (TYC 2087-00255-1)	*Ma, B. et al.* (48 authors) 2013, AJ 145, 20. (2ao, 2bo, 4b, 5d) Brown dwarf in 9-day orbit with subgiant.
PSR J1740−3052	*Madsen, E.C. et al.* (10 authors) 2012, MNRAS 425, 2378. (1r, 5bdfj) Long-term pulse profile analysis of pulsar with B-type main-sequence companion.
H 1743−322	*Miller, J.M. et al.* (9 authors) 2013, ApJ 759, L6. (2cdx) Discussion of connection between jets and disk winds.

	Stiele, H. et al. (4 authors) 2013, MNRAS 429, 2655. (1x, 5cgi, 8a) Relations between x-ray timing features and spectral parameters.
CXOGBS J174444.7−260330	*Ratti, E. M. et al.* (15 authors) 2013, MNRAS 428, 3543. (1ao, 2abc, 5bcdegi) A new long-orbital-period CV in a low state.
EXO 1745−248	*Altamirano, D. et al.* (9 authors) 2012, MNRAS 426, 927. (1x, 5i) X-ray flare and superburst of transient LMXB source.
IGR J17480−2446	*Testa, V. et al.* (11 authors) 2012, A&A 547, A28. (1ai, 4b, 6c) Near-IR counterpart of the LMXB in the globular cluster Terzan 5.
SAX J1748.9−2021	*Güver, T, Özel, F.* 2012, ApJ 765, L1. (2x) Mass and radius of LMXB.
SWIFT J1749.4−2807	*Jonker, P. et al.* (4 authors) 2013, MNRAS 429, 523. (1aix, 5cgi) Chandra x-ray and Gemini near-infrared observations in quiescence.
2MASS J17593845−2933218 (MACHO 118.18538.194)	*Bernhard, K., Lloyd, C., Huemmerich, S.* 2013, PZP 13, 3. (6b), MACHO 118.18538.194, a potential symbiotic EB.
2MASS J18024395+4003309	*Andronov, I.L.; Breus, V.V.; Zola, S.* 2012, OAP 25, 150. (1a, 5c, 6b) Determination of characteristics of newly discovered EB.
SAX J1810.8−2609	(see V4722 Sgr)
IGR J18179−1621	*Nowak, M.A. et al.* (9 authors) 2012, ApJ 757, 143. (1ai, 2dx) Constraint on the mass of the NS.
4U 1820−30 (X Sgr X-4)	*Garcia, F., Zhang, G., Me(')ndez, M.* 2013, MNRAS 429, 3266. (1x, 5cgi, 8a) The cooling phase of Type I x-ray bursts. *in't Zand, J.J.M. et al.* (4 authors) 2012, A&A 547, A47. (2dx, 5i) Superexpansion as a possible probe of accretion in ultracompact XB.
X1822−371	(see V691 CrA)
ROTSE1 J182427.29+453902.0 (GSC 3526-1995)	*Liao,W.-P., Qian, S.B., Liu, N.P.* 2012, AJ 144, 178. (1aoi, 5abc) W-type W UMa with cyclic period change.
2MASS J18261150+1212349 (TYC 1031-1262-1)	*Sipahi, E. et al.* (4 authors) 2013, MNRAS 429, 757. (1ao, 2abc, 5abcdeg) An anomalous Cepheid in a double-lined EB.
XGPS-I J183251−100106	*Hui, C.Y. et al.* (5 authors) 2012, ApJ 759, 109. (2dx) Suggest that system is eclipsing CV.
SWIFT J185003.2−005627	*Degenaar, N. et al.* (4 authors) 2012, ApJ 759, 8. (1x) Discovery of bursting low mass XRB.
XTE J1859+226	(see V406 Vul)
IRAS 19050+0001 (NSV 11749)	*Bond, H.E., Khasliwal, M.M.* 2012, PASP 124, 1262. (2doi) Symbiotic nova, not born-again red giant.
4U 1907+09	*Doroshenko, V. et al.* (4 authors) 2012, A&A 548, A19. (2dx) Supergiant is a fast but not so transient HMXB.
4U 1909+07	*Fürst, F. et al.* (7 authors) 2012, A&A 547, A2. (2dx, 5i) NS in HMXB.
PSR J1910−5959A	*Corongiu, A. et al.* (12 authors) 2012, ApJ 760, 100. (1r, 5e) Detection of relativistic Shapiro delay.
GRS 1915+105	(see V1487 Aql)
SWIFT J192237.0−171602	*Degenaar, N. et al.* (4 authors) 2013, ApJ 759, 8. (1x) Discovery of bursting low mass XRB.
2MASS J19293152+3804359 (KIC2856960)	*Lee, J.W. et al.* (5 authors) 2013, ApJ 763, 74. (1o, 5bc) Solutions to low-amplitude eclipsing triple star system.
2MASS J19370697+4126128 (KIC 6131659)	*Bass, G. et al.* (8 authors) 2012, ApJ 761, 157. (1a, 2a, 5cde) Eclipsing binary solution for a low-mass long-period slightly eccentric binary.

XTE J1946+274	*Müller, S. et al.* (12 authors) 2012, A&A 546, A125. (2dx, 5i) The reawakening of the sleeping x-ray pulsar in HMXB.
PSR B1957+20	(see QX Sge)
EXO 2030+375	(see V2246 Cyg)
J2216+4646 (HBHA 4705-03)	*Yakin, D.G. et al.* (4 authors) 2013, ALet 39, 38. (1a, 2ac, 5cdij) New CV.
2MASS J23262931+3120410 (GSC 2765-0348)	*Samec, R.G. et al.* (7 authors) 2012, PASP 124, 1025. (1ao, 5abcg) Multi-channel photometry.
HS 2333+3927	*Shimansky, V.V. et al.* (4 authors) 2012, ARep 56, 867 (1a, 2ac, 5cdegh) Analysis of reflection effects.

Objects with other designations

3UC 281-203711	*Gorda, S.Yu., Sobolev, A.M.* 2012, IBVS No. 6036. (1a, 5bc, 6b) First solution of LC of new variable star.
ALS 1135	(see V467 Vel)
Cyg OB2 #5	*Dzib, S.A. et al.* (6 authors) 2013, ApJ 763, 139. (1r) Multi-epoch observations of compact wind driven region in quadruple system with double O-type binary.
Cyg OB2 #9	*Nazé, Y. et al.* (8 authors) 2012, A&A 546, A37. (2adoix, 5dj) Optical and x-ray monitoring.
DEM L241	(see SNR J053606−673408)
GRB 090618	*Izzo, L., Rueda, J.A., Ruffini, R.* 2012, A&A 548, L5. (5i) Candidate for a NS gravitational collapse onto a BH induced by a type Ib/c SN.
GSC 2765-0348	(see 2MASS J23262931+3120410)
GSC 3526-1995	(see ROTSE1 J182427.29+453902.0)
GSC 4019-3345	*Bakiš, V., Bakiš, H., Eker, Z.* 2013, PASA 30, 26. (5c, 8c) Physical dimensions and evolutionary status of an A-type twin binary.
GX 17+2	(see NP Ser)
GX 339-4	(see V821 Ara)
GX 349-2	(see V1101 Sco)
HBHA 4705-03	(see J2216+4646)
HV 914	(see 2MASS J05124702−6906089)
KIC 2856960	(see 2MASS J19293152+3804359)
KIC 5988140	(see HD 188774)
KIC 6131659	(see 2MASS J19370697+4126128)
LMC X-1	(see 2MASS J05393883−6944356)
LRLL 54361	*Muzerolle, J. et al.* (5 authors) 2013, Nature 493, 378. (2di) Pulsed accretion from an unseen close companion onto a variable protostar.
LS 2883	(see CPD −63°2495)
LS 5039	(see V479 Sct)
M4	*Kaluzny, J. et al.* (9 authors) 2013, AJ 145, 43. (1ao, 2ao, 5abcde) Masses and radii for V65, V66, V69 in M4, distance and probable age of cluster.
M22	*Strader, J. et al.* (5 authors) 2012, Nature 490, 71. Two accreting, stellar-mass BHs, named VLA1, VLA2, in the globular cluster M22.

M33 X-8	*Isobe, N. et al.* (4 authors) 2012, PASJ 64, 119. (1x, 2dx, 5i) Multi-colour disk model.
MACHO 118.18538.194	(see 2MASS J17593845−2933218)
MOA-2010-BLG-073L	*Street, M.A. et al.* (72 authors) (2012, ApJ 763, 67. (1ri) M-dwarf with BD sub-stellar companion gravitational lensing event.
MOA-2010-BLG-523	*Gould, A. et al.* (118 authors) 2013, ApJ 763, 141. (1io, 5e) Microlensing identification of RS CVn star in galactic bulge.
NGC 4649	*Roberts, T.P. et al.* (12 authors) 2012, ApJ 760, 135. (2dx, 6b) Likely new XRB in this globular cluster.
NLTT 5306	(see SDSS J013532.98+144555.9)
NMS-1	*Joshi, Y.C., Narasimha, D.* 2012, BASI 40, 457. (1ao) Long-term photometric study of a classical nova in M 31.
NMS-2	*Joshi, Y.C., Narasimha, D.* 2012, BASI 40, 457. (1ao) Long-term photometric study of a classical nova in M 31.
NSV 11749	(see IRAS 19050+0001)
NSVS 02502726	(see 2MASS J08441103+5423473)
PN G290.5+07.9	(see HD 99842)
SMC3	(see RX J0048.3−7332)
SN 1006	(see PKS J1502−4205)
SN 2009ip	*Soker, N., Kashi, A.* 2013, ApJ 764, L6. (1a) SN imposter is a merger of MS star and a supergiant.
T-Cygni-12664	*Çakirli, Ö, Ibanoğlu, C., Sipahi, E.* 2013, MNRAS 429, 85. (1ao, 2abc, 5abcdeg) A low-mass chromospherically active EB in the Kepler field.
TYC 1031-1262-1	(see 2MASS J18261150+1212349)
TYC 2087-00255-1	(see 2MASS J17343374+2958056)
WOCS 23009	*Sandquist, E.L. et al.* (14 authors) 2013, ApJ 762, 58. (1avi, 5c) Solution for 778.1d binary found by Kepler in cluster NGC 6819.
WR 70	(see HD 137603)
WR 113	(see CV Ser)

General

Abbassi, S., Mosallanezhad, A. 2012, RAA 12, 1825. Hydrodynamical wind in magnetized accretion flows with convection.

Agafonov, M.I., Sharova, O.I. 2013, ARep 57, 7. (7d, 8ab) Doppler tomography in three dimensions: problems of realization.

Antonini, F., Perets, H.B. 2012, ApJ 757, 27. (8c) Secular evolution of compact binaries near massive BH's.

Anupama, G.C., Kamath, U.S. 2012, BASI 40, 161. Optical studies of novae.

Bagchi, M. 2013, MNRAS 428, 1201. Periastron advance in NS-BH binaries.

Bailey, J.D., Landstreet, J.D. 2013, A&A 551, 30. (2c, 5h) Abundances determined using SiII and SiIII in B-type stars: evidence for stratification.

Banerjee, D.P.K., Ashok, N.M. 2012, BASI 40, 243. Near-infrared properties of classical novae: a perspective gained from Mount Abu Infrared Observatory.

Barausse, E., Morozova, V., Rezzolla, L. 2012, ApJ 758, 63. (8c) Calculation of final mass of BH resulting from BH binary merger.

Basu-Zych, A.R. et al. (15 authors) 2013, ApJ 762, 45. XRB formation from Chandra deep x-ray survey. (1x*, 2x*)

Belloni, T.M., Sanna, A., Méndez, M. 2012, MNRAS 426, 1701. High-frequency QPOs in BH binaries.

Bloom, J.S. et al. (13 authors) 2012, PASP 124, 1175. Automating discovery and classification of transients and variables in synoptic surveys.

Cariková, Z., Skopal, A. 2012, A&A 548, A21. Ionization structure of hot components in symbiotic binaries during active phases.

Chesneau, O., Banerjee, D.P.K. 2012, BASI 40, 267. Interferometric studies of novae in the infrared.

Claret, A., Hauschildt, P.H., Witte, S. 2012, A&A 546, A14. New limb-darkening coefficients for PHOENIX/1D model atmospheres. I. Calculations for 1500 K $\leq T_{eff} \leq$ 4800 K Kepler, CoRot, Spitzer, *uvby*, $UBVRIJHK$, Sloan, and 2MASS photometric systems.

Dall'Osso, S., Rossi, E. M. 2012, MNRAS 428, 518. Tidal torque induced by orbital decay in compact object binaries.

Demidova, T.V., Grinin, V.P., Sotnikova, N.Ya. 2013, AstL 39, 26. (8b) Anisotropic illumination of a circumbinary disk in the presence of a low-mass companion.

De Mink, S.E. et al. (5 authors) 2013, ApJ 764, 166. Massive stars attain high rotation rate from interactions with binary companions. (8acd)

Denissenkov, P.A. et al. (4 authors) 2013, ApJ 762, 8. MESA evolutionary models of nova outbursts. (8ac)

Downen, L.N. et al. (4 authors) 2013, ApJ 762, 105. Elemental indicators of temperature in classical novae. (2o*i*u*)

Dupuy, T.J. et al. (15 authors) 2013, Astron. Nachr. 334, 36. Multiplicity of cool dwarfs.

East, W.E., Pretorius, F. 2012, ApJ 760, L4. (8c) Dynamical capture binary NS mergers.

Espinosa Lara, F., Rieutord, M. 2012, A&A 547, A32. Gravity darkening in binary stars.

Evans, A., Gehrz, R.D. 2012, BASI 40, 213. Infrared emission from novae.

Ferrario, L. 2012, MNRAS 426, 2500. Constraints on the pairing properties of main-sequence stars from observations of WDs in binary systems.

Fragos, T. et al. (11 authors) 2013, ApJ 764, 41. Simulations follow XRB populations vs. redshift. (8ac)

Freiden, G.A., Dotter, A. 2013, ApJ 765, 86. Age diagnostic for detached low-mass binaries with apsidal motion. (8ac)

Fukue, J. 2012, PASJ 64, 132. Radiative transfer in anisotropic scattering media.

Geller, A.M., Hurley, J.R., Mathieu, R.D. 2013, AJ 145, 8.) N-body models of NGC 188 fit observed binary and blue-straggler populations.

Giacomazzo, B. et al. (5 authors) 2013, ApJ 762, L18. NS-NS and BH-NS mergers as progenitors of short γ-ray bursts. (8ac)

Glazunova, L.V. 2012, OAP 25, 163. (8c, 5h) Chemical evolution in Algols.

Gopka, V.F. et al. (4 authors) 2012, OAP 25, 9. (8c) Nature of the magnetic chemically peculiar star phenomenon and the origin of Li.

Griffin, R.E., Gray, R.O., Corbally, C.J. 2012, A&A 547, A8. (2ado) The composite-spectrum binary hypothesis does not explain the λ Bootis stars.

Gullikson, K., Dodson-Robinson, S. 2013, AJ 145, 3. Use of near-IR spectra to detect GK companions to early B stars; possible candidates detected are HR 1950 (HIP 26713), σ Sgr (HIP 92855).

Hernanz, M. 2012, BASI 40, 377. Novae in γ-rays.

Homan, J. 2012, ApJ 760, L30. (8) Lense-Thirring precession in dipping and eclipsing NS LMXB's.

Ingram, A., Done, C. 2012, MNRAS 427, 934. The effect of frame dragging on the iron Ka line in x-ray binaries.

Ivanova, N. et al. (9 authors) 2012, ApJ 760, L24. (8e) Metallicity dependence in dynamically formed LMXB's.

Ivanova, N. et al. (4 authors) 2013, Science 339, 433. Identification of the long-sought common-envelope events.

Iwama, H., Asada, H., Yamada, K. 2013, PASJ 65, 2. Moment approach to determining the orbital elements of an astrometric binary with a low signal-to-noise ratio, with future applications to CBs.

Jaime, L.G., Pichardo, B., Aguilar, L. 2012, MNRAS 427, 2723. Regions of dynamical stability for discs and planets in binary stars of the solar neighbourhood.

José, J. 2012, BASI 40, 443. Classical nova explosions – hydrodynamics and nucleosynthesis.

Kaigorodov, P.V., Bisikalo, D.V. 2012, ARep 56, 945. (8ad) Possible mechanism for the x-ray emission of Be/X stars.

Kantharia, N.G. 2012, BASI 40, 311. Studies of novae at GMRT frequencies.

Kaplan, D.L., Bildsten, L., Steinfadt, J.D.R. 2012, ApJ 758, 64. (8c) Orbital evolution of compact WD binaries.

Kato, M., Hachisu, I. 2012, BASI 40, 393. Recurrent novae as progenitors of Type Ia supernovae.

Kato, S. 2012, PASJ 64, 129. An attempt to describe frequency-correlations among kHz QPOs and HBO by two-armed vertical p-mode oscillations: Case of no magnetic field.

Kato, S. 2012, PASJ 64, 139. A resonantly excited disk-oscillation model of high-frequency QPOs of microquasars.

Kim, D.-W. et al. (7 authors) 2013, ApJ 764, 98. Metallicity's effect on formation of LMXBs. (1i*x*)

Kreidberg, L. et al. (4 authors) 2012, ApJ 757, 36. (8a) Possible systematic errors in mass measurements of stellar BH's.

Kupfer, T. Groot, P.J., Rutten, R.G.M. 2013, RMAASC 42, 102. (10a) GTC observations of ultra-compact AM CVn binaries.

Lai, D. 2012, ApJ 757, L3. (8d) Exploration or magnetic interactions in compact object binaries.

Lamberts, A. et al. (4 authors) 2012, A&A 546, A60. (8b) Impact of orbital motion on the structure and stability of adiabatic shocks in colliding-wind binaries.

Latter, H.N., Papaloizou, J.C.B. 2012, MNRAS 426, 1107. Hysteresis and thermal limit cycles in MRI simulations of ADs.

Li, L.-S. 2012, RAA 12, 1673. Orbit and spin evolution of synchronous binary stars on the main sequence.

Liu, Z.W. et al. (8 authors) 2012, A&A 548, A2. (8c) 3-D simulations of the interaction between Type Ia SN ejecta and their main-sequence companions.

Lohr, M.E. et al. (6 authors) 2013, A&A 549, 86. (5b) Period and period-change measurements for 143 SuperWASP EB candidates near the short-period limit and discovery of a doubly eclipsing quadruple system.

Mahy, L. et al. (5 authors) 2013, A&A 550, 27. (2b, 2c) A spectroscopic investigation of the O-type star population in four Cygnus OB associations. I. Determination of the binary fraction.

Mapelli, M. et al. (4 authors) 2013, MNRAS 429, 2298. Dynamics of stellar BH in young star clusters with different metallicities - I. Implications for x-ray binaries.

McKinney, J.C., Tchekhovskoy, A., Blandford, R.D. 2013, Science 339, 49. (8ad) Alignment of magnetized ADs and relativistic jets with spinning BHs.

Miller, J.M. et al. (8 authors) 2012, ApJ 757, 11. (8bd) Discussion of the role of the AD in BH disk-jet connections.

Minesaki, Y. 2013, AJ 145, 63. Integration of general three-body problem using a d'Alembert scheme.

Minesaki, Y. 2013, AJ 145, 64. Lagrange solution of discrete-time general three-body problem.

Moeen, M., Ghanbari, J., Ghodsi, A. 2012, PASJ 64, 137. Shear tensor and dynamics of relativistic ADs around rotating BHs.

Moll, R. 2012, A&A 548, A76. Shearing box simulations of AD winds.

Moore, K., Bildstein, L. 2012, ApJ 761, 182. Circumstellar shell formation in symbiotic recurrent novae. (8abc)

Murphy, T. et al. (39 authors) 2013, PASA 30, 6. VAST: an ASKAP survey for variables and slow transients.

Nemmen, R.S. et al. (6 authors) 2012, Science 338, 1445. A universal scaling for the energetics of relativistic jets from BH systems.

Ness, J.U. 2012, BASI 40, 353. High-resolution spectroscopy and high-density monitoring in x-rays of novae.

Nissanke, S. et al. (4 authors) 2012, ApJ 758, 131. (7abcd) Formation of exotic binaries in triple systems.

Orio, M. 2012, BASI 40, 333. Observations of classical and recurrent novae with x-ray gratings.

Paoletti, M.S. et al. (6 authors) 2012, A&A 547, A64. (8d) Angular momentum transport and turbulence in laboratory models of Keplerian flows.

Perets, H.B., Kenyon, S.J. 2013, ApJ 764, 169. Wind-disk interactions between primary massive component and compact secondary. (8abd)

Perets, H.B., Kratter, K.M. 2012, ApJ 760, 99. (8c) Orbital evolution of compact WD binaries.

Pietrzyński, G. et al. (28 authors) 2013, Nature 495, 76. (1ao*, 2ao, 5cd) An EB distance to the LMC accurate to two percent.

Pinto, C. et al. (4 authors) 2013, A&A 551, 25. (2x) Interstellar medium composition through x-ray spectroscopy of LMXBs.

Power, C. et al. (4 authors) 2013, ApJ 764, 76. High redshift contribution of HMXB to x-ray background negligible. (8ac)

Pribulla, T. et al. (58 authors) 2012, Astron. Nachr. 333, 754. The Dwarf project: EBs – precise clocks to discover exoplanets.

Rafikov, R.R. 2013, ApJ 765, L8. Planet formation in small-separation binaries. (8ac)

Reipurth, B., Mikkola, S. 2012, Nature 492, 221. Formation of the widest binary stars from dynamical infolding of triple systems, with decrease of inner pair's period to form a CB.

Repetto, S., Davies, M.B., Sigurdsson, S. 2012, MNRAS 425, 2799. Investigating stellar-mass BH kicks.

Roy, N. et al. (13 authors) 2012, BASI 40, 293. Radio studies of novae: a current status report and highlights of new results.

Russell, D.M. et al. (13 authors) 2013, MNRAS 429, 815. Jet spectral breaks in BH x-ray binaries.

Shin, I.-G. et al. (5 authors) 2013, ApJ 764, 64. Breaking the close-wide degeneracy in binary microlensing events applied to BLG-040/OGLE-2011-BLG0001. (5e)

Shore, S.N. 2012, BASI 40, 185. Spectroscopy of novae – a user's manual.

Siess, L. et al. (4 authors) 2013, A&A 550, 100. (8c) BINSTAR: a new binary stellar evolution code; tidal interactions.

Smak, J. 2013, AcA, 63, 109-114. On the periods of negative superhumps and the nature of superhumps.

Staff. J.E. et al. (10 authors) 2012, ApJ 757, 76. (8c) Suggest that R CrB stars form from WD mergers in binaries.

Starrfield, S. et al. (7 authors) 2012, BASI 40, 419. Theoretical studies of accretion of matter onto WDs and the single degenerate scenario for supernovae of Type Ia.

Tauris, T.M., Langer, N., Kramer, M. 2012, MNRAS 425, 1601. Formation of millisecond pulsars with CO WD companions – II. Accretion, spin-up, true ages and comparison to MSPs with He WD companions.

Toonen, S., Nelemans, G., Portegies Zwart, S. 2012, A&A 546, A70. SN type Ia progenitors from merging double WDs using a new population-synthesis model.

Triaud, A.H.M.J. et al. (21 authors) 2013, A&A 549, 18. (5g) The EBLM project. I. Physical and orbital parameters, including spin-orbit angles, of two low-mass EBs on opposite sides of the BD limit.

Ulaş, B. 2012, Astron. Nachr. 333, 744. Numerical solutions of the equation concerning small adiabatic oscillations of pulsating components in double-star systems.

Ulyanov, O.O. et al. (4 authors) 2012, OAP 25, 35. (9) Some evolutionary aspects of binary systems containing a NS.

Vogt, N. et al. (7 authors) 2012, A&A 546, A63. (4ar, 6b) Astrometric confirmation of young low-mass binaries and multiple systems in the Chamaeleon star-forming regions.

Vrtilek, S.D., Boroson, B.S. 2013, MNRAS 428, 3693. Model-independent means of categorizing x-ray binaries - I. Colour-colour-intensity diagrams.

Walker, F.M. et al. (5 authors) 2012, PASP 124, 1075. Atlas of novae.

Wang, J., Chang, H.-K. 2012, A&A 547, A27. (5i, 8b) Retrograde wind accretion – an alternative mechanism for long spin-period of SFXTs.

Wang, Z.Y. et a. (4 authors) 2013, JApA 34, 1. Stochastic resonance of AD and the persistent low-frequency QPOs in BH x-ray binaries.

Washabaugh, P.C., Bregman, J.N. 2013, ApJ 762, 1. None of 21 SN1a found in nearby galaxies was in a globular cluster. (1a*, 4a*)

Wheeler, J.C., Pooley, D. 2013, ApJ 762, 75. Shielding of soft x-rays in SN type 1a progenitors. (8ac)

Williams, R. 2012, AJ 144, 98. Origins of "He + N" and "Fe II" spectral classes of novae.

Xu, Q., Li, T., Li, X.-D. 2012, RAA 12, 1417. Evolution of LMXBs: dependence on the mass of the compact object.

Zabalza, V. et al. (4 authors) 2013, A&A 551, 17. (2g) Unravelling the high-energy emission components of γ-ray binaries.

Zang, B. 2013, ApJ 763, L22. Gravitational wave bursts from NS-NS binary mergers can produce detectable x-ray and optical afterglow. (8ac)

Zhang, R.-Y.; Li, Y. 2013, ChA&A 37, 41. A binary evolution model with non-synchronous rotations.

Zhang, Z., Gilfanov, M., Bogdán, Á. 2012, A&A 546, A36. Dependence of the LMXB population on stellar age.

Zhao, B., Li, Z.-Y. 2013, ApJ 763, 7. MHD study shows magnetic braking greatly decreases orbital separation and makes the mass ratio more extreme for protobinaries. (8ac)

Zhong, S.-Y., Liu, S. 2013, Ap&SS 342, 317. (5a) Symplectic integrators with adaptive timestep applied to spinning compact binaries.

Zhongmu, L. et al. (4 authors) 2013, ApJ 761, L22. Explaining strange CMD with binaries and stellar rotation. (1*cvi)

Zhu, C. et al. (4 authors) 2013, PASP 125, 25. Simulation of LMXBs with strange-quark star component.

Zhu, C.-H., Lü, G.-L., Wang, Z.-J. 2012, RAA 12, 1526. Population synthesis of ultra-compact x-ray binaries.

Zorotovic, M., Schreiber, M.R. 2013, A&A 549, 95. (5b) Origin of apparent period variations in post-common-envelope EBs.

Collections of data

Balman, Ş., Revnivtsev, M. 2012, A&A 546, A112. (2dx, 5i) X-ray variations in the inner accretion flow of dwarf novae: WW Cet, SS Cyg, VW Hyi, T Leo, RU Peg.

Birkby, J. et al. (20 authors) 2012, MNRAS 426, 1507. (1ai, 2ao, 5cde, 6b) Discovery of 16 detached M dwarf EBs; IR LC solutions together with optical spectroscopy give precise masses and radii for 3 systems: 19b-2-01387, 19c-3-01405, 19e-3-08413.

Carter, P.J. et al. (10 authors) 2013, MNRAS 429, 2143. (2a, 5d, 6b) Two new candidate AM CVn binaries: SDSS J104325.08+563258.1, SDSS J173047.59+554518.5; and spectra of 29 new CVs in the

Sloan Digital Sky Survey.

Coeleiro, A., Chaty, S. 2013, ApJ 764, 185. (1*auoi) Distribution of HMXBs in Milky Way.

Çoker, D. et al. (6 authors) 2013, PASA 30, 13. (1ao, 5c) Analyses of photometric data with the Robotic Optical Transient Search Experiment Telescope (ROTSE-IIId) for W UMa-type systems: V472 And, V473 And, V490 And, NN Aqr, GQ Boo, GR Boo, DN Cam, V415 Cam, AH Cnc, CZ CMi, V959 Cas, V1107 Cas, ES Cep, V755 Cep, V790 Cep, V793 Cep, V981 Cyg, V2364 Cyg, AH Gem, V829 Her, PP Lac, V451 Lac, RT LMi, XX Lyn, V574 Lyr, V591 lyr, V455 Mon, V2203 Oph, V357 Peg, GR Psc, 2MASS J11403001+7111021, 2MASS J11483649+7107507, 2MASS J18413909−0044433, 2MASS J18562000+4556486, 2MASS J19033572+4336124, 2MASS J19062202 +4338096, ROTSE J190830.01+433601.5, 2MASS J19180543+4441153, 2MASS J20292467+6029444, C1* NGC 7789 XZD 3, C1* NGC 7789 XZD 7, C1* NGC 7789 XZD 10, USNO-A2.00900-11608642.

Cool, A.M. et al. (8 authors) 2013, ApJ 763, 126. (1ox*, 4a) X-ray sources positioned and identified in ω Cen.

Demircan, Y. et al. (12 authors) 2012, IBVS No. 6041 (5a) Times of minima of EBs: TZ Boo, GK Boo, GS Boo, HH Boo, DY CVn, EF Cep, EG Cep, V1191 Cyg, V1918 Cyg, HI Dra, V1033 Her, CD Tri, ASAS J202521+0425.5, ASAS J231700+1944.9, GSC 2751-1007, TYC 4589-2999-1.

Diethelm, R. 2013, IBVS No. 6042 (5a) Times of minima of EBs: RT And, XZ And, AA And, AB And, AD And, BD And, BL And, BX And, CN And, CU And, DK And, EP And, EX And, GZ And, HR And, HS And, KP And, LM And, LO And, LY And, MO And, QX And, V372 And, V382 And, V422 And, V440 And, V449 And, V473 And, V489 And, V502 And, V506 And, V546 And, V563 And, V566 And, V568 And, V571 And, GSC 1734-408, GSC 1739-1463, GSC 3234-1318, GSC 3243-962, GSC 3303-1583, GSC 3627-1727, GSC 3638-2422, GSC 3641-587, BW Aqr, EF Aqr, EL Aqr, GN Aqr, GS Aqr, NN Aqr, GSC 529-285, GSC 5210-437, GSC 5220-352, GSC 5248-214, GSC 5777-383, GSC 5811-437, GSC 5817-92, GSC 5817-435, GSC 5826-1082, GSC 5835-944, RX Ari, SS Ari, SZ Ari, TX Ari, BO Ari, GSC 645-85, GSC 1213-1483, GSC 1217-696, GSC 1240-657, GSC 1794-393, GSC 1794-1525, DO Aur, KO Aur, KU Aur, QT Aur, V365 Aur, V379 Aur, V585 Aur, V599 Aur, V608 Aur, V612 Aur, V641 Aur, GSC 3751-178, AO Cam, AS Cam, LR Cam, NO Cam, NR Cam, NX Cam, OQ Cam, QV Cam, QZ Cam, PP Cam, V337 Cam, V387 Cam, V389 Cam, V392 Cam, V393 Cam, V401 Cam, V418 Cam, V424 Cam, V426 Cam, V437 Cam, V442 Cam, V443 Cam, V466 Cam, GSC 3715-43, KM Cnc, GSC 1388-132, GSC 5388-967, GSC 5404-2421, GSC 5406-2659, GSC 5407-430, AH Cas, AL Cas, BH Cas, BS Cas, BU Cas, BW Cas, BZ Cas, CW Cas, DP Cas, EG Cas, EI Cas, EY Cas, IR Cas, IT Cas, LQ Cas, LX Cas, MR Cas, MS Cas, MT Cas, MU Cas, NN Cas, NT Cas, OX Cas, PV Cas, QQ Cas, V344 Cas, V336 Cas, V361 Cas, V375 Cas, V380 Cas, V411 Cas, V427 Cas, V445 Cas, V459 Cas, V520 Cas, V523 Cas, V537 Cas, V541 Cas, V608 Cas, V775 Cas, V821 Cas, V851 Cas, V860 Cas, V959 Cas, V1001 Cas, V1007 Cas, V1030 Cas, V1031 Cas, V1043 Cas, V1060 Cas, V1107 Cas, V1137 Cas, V1138 Cas, GSC 3671-99, GSC 4029-1087, UCAC3 J232931+6031.6, VZ Cep, WZ Cep, XY Cep, CO Cep, DL Cep, DP Cep, DY Cep, GW Cep, IP Cep, LL Cep, NN Cep, OT Cep, V358 Cep, V699 Cep, V731 Cep, V734 Cep, V744 Cep, V756 Cep, V757 Cep, V790 Cep, V796 Cep, V804 Cep, V805 Cep, GSC 3965-1172, GSC 3996-1098, GSC 4286-49, GSC 4477-706, GSC 4481-1535, GSC 4482-1238, GSC 4487-347, GSC 4488-376, GSC 4490-777, SS Cet, TV Cet, HM Cet, HS Cet, GSC 44-1314, GSC 49-120, GSC 54-373, GSC 4698-855, GSC 4708-841, GSC 5268-1013, GSC 5270-645, GSC 5284-2130, DK Cyg, LO Cyg, V387 Cyg, V525 Cyg, V616 Cyg, V628 Cyg, V680 Cyg, V704 Cyg, V706 Cyg, V711 Cyg, V836 Cyg, V1815 Cyg, GSC 536-9, GSC 537-1462, RU Eri, TZ Eri, UX Eri, YY Eri, AM Eri, BC Eri, BL Eri, KZ Eri, GSC 4703-84, GSC 4732-1231, GSC 4739-480, GSC 5294-1116, GSC 5303-939, GSC 5322-2251, GSC 5323-652, GSC 5330-664, LO Gem, MU Gem, V410 Gem, GSC 1351-383, GSC 1368-1411, GSC 1864-1065, ASAS J065830+1311.5, RW Lac, TZ Lac, VY Lac, CO Lac, EM Lac, FL Lac, GX Lac, MZ Lac,

V364 Lac, GSC 3208-2644, GSC 3210-1456, Z Lep, RR Lep, GSC 5916-1668, NSV 2698, CL Lyn, DY Lyn, RU Mon, UV Mon, BP Mon, GG Mon, V383 Mon, V464 Mon, V530 Mon, V843 Mon, V873 Mon, V900 Mon, V925 Mon, GSC 174-675, GSC 4785-147, GSC 4827-2862, DZ Ori, EF Ori, EH Ori, EQ Ori, ER Ori, EW Ori, FK Ori, GG Ori, GU Ori, V392 Ori, V645 Ori, V1027 Ori, V1353 Ori, V1626 Ori, V1642 Ori, V1799 Ori, V1848 Ori, V1851 Ori, GSC 85-1357, GSC 89-1424, GSC 93-668, GSC 103-738, GSC 103-894, GSC 111-1902, GSC 122-419, GSC 128-980, GSC 4780-344, GSC 709-1047, GSC 730-243, GSC 730-2307, GSC 1315-1104, GSC 4741-1062, GSC 4754-44, GSC 4754-339, GSC 4766-69, GSC 4783-2332, NSV 1864, ZZ Peg, BQ Peg, BX Peg, BY Peg, CC Peg, CF Peg, DK Peg, DM Peg, DV Peg, EU Peg, FL Peg, GP Peg, KW Peg, V407 Peg, V411 Peg, V421 Peg, ASAS J212654+1912.6, ASAS J215503+2417.8, GSC 570-73, GSC 573-1241, GSC 1158-201, GSC 1174-344, GSC 1178-1208, GSC 1664-110, GSC 1677-992, GSC 1686-1001, GSC 1704-356, GSC 1709-614, GSC 1715-1370, GSC 1716-1457, GSC 1718-1664, GSC 1721-1591, GSC 2188-568, GSC 2189-1101, GSC 2223-87, GSC 2740-1859, GSC 2744-1229, GSC 2749-2238, GSC 2755-2136, GSC 2766-775, BE Per, BY Per, CH Per, DK Per, FW Per, IM Per, IT Per, IU Per, KL Per, KN Per, NO Per, QT Per, QW Per, V434 Per, V450 Per, V482 Per, V680 Per, V723 Per, V737 Per, V761 Per, V789 Per, V871 Per, V873 Per, V876 Per, V877 Per, GSC 2344-92, GSC 2361-2410, GSC 2854-125, Y Psc, VZ Psc, EX Psc, GSC 14-479, GSC 24-466, GSC 575-429, GSC 621-834, GSC 1179-501, GSC 1183-1110, GSC 1762-103, GSC 5253-982, GSC 5255-370, UZ Pup, AV Pup, GSC 5404-4206, GSC 5424-55, AH Tau, AQ Tau, EQ Tau, V1249 Tau, V1260 Tau, V1352 Tau, V1355 Tau, V1356 Tau, GSC 67-348, GSC 74-465, GSC 76-527, GSC 650-1226, GSC 658-185, GSC 661-580, GSC 663-23, GSC 1235-663, GSC 1256-188, GSC 1291-1139, GSC 1304-227, GSC 2258-1489, RW Tri, VW Tri, VZ Tri, BF Tri, CC Tri, CM Tri, CR Tri, BG Vul, BI Vul, V384 Vul, GSC 2177-709.

Dong, S., Katz, B., Socrates, A. 2013, ApJ 763, L2. (1a*) TYCHO observations of EBs indicate that very long-period binaries are formed in triple-star systems that quickly become CBs by Kozai cycles.

Djurašević, G. et al. (9 authors) 2013, AJ 145, 80. (1ao, 5abcg) Multicolour LCs and solutions for CBs: HS Aqr, DU Boo, EG Cep, VW LMi.

Fernandes, J., Vaz, A.I.F., Vicente, L.N. 2012, MNRAS 425, 3104. (5e) Determination of mass, age, He abundance and convection parameters by comparison with evolutionary models for FGK binaries: α Cen, V636 Cen, VZ Hya, UX Men, WZ Oph, V505 Per, NGC 188 KR V12.

Fuhrmann, K., Chini, R. 2012, ApJSS 203, 30. (2oi) Multiplicity among F-type stars (150 stars).

Ghaderi, K. et al (5 authors) 2012, RAA 12, 1666. (2ao*, 7c) A probabilistic neural-network analysis of RV curves of 5 SBs: HD 89959, HD 143705, HD 146361, HD 152248 and HD 165052.

Godon, P. et al. (8 authors) 2012, ApJSS 203, 29. (1u, 2u, 6a) Online catalog of CVs from FUSE.

Gokay, G., et al. (13 authors) 2012, IBVS No. 6039 (5a) Times of minima of EBs: AP Aur, ASAS J013630 +0150.3, ASAS J202521+0425.5, ASAS J225956+1418.2, BO Ari, CD Cam, GS Boo, GSC 2751-1007, GSC 3526-2369, GSC 4428-1574, GV Leo, GW Cnc, HH Boo, V Tri, V1073 Cyg, V1367 Tau, V1918 Cyg, V407 Peg, V546 And, V566 Oph.

Griffin, R.F. 2012, Observatory 132, 309. (2a, 5d) RV and orbits: HD 6840 (SB2), GY And (HD 9996, SB1), HD 10332 (SB1), HD 11571 (SB1, P about 10000 days).

Griffin, R.F. 2012, Observatory 132, 356. (2a, 5d) RV and orbits: HD 108815 (SB1), HD 112475 (SB2), HD 115463 (SB1), HD 117319 (SB2).

Griffin, R.F. 2013, Observatory 133, 1. (2a, 5d) RV and orbits for stars with Hipparcos orbits: HD 32850, HR 4657 (HD 106516), HD 110314, HD 137687, HD 138369, HD 156558, HD 178593, HD 183536, HD 188307, HD 193554.

Harrison, T.R. et al. (5 authors) 2013, AJ 145, 19. (1i) Herschel observations of 8 CVs; none have dusty circumbinary disks: V592 Cas, SS Cyg, EF Eri, U Gem, AM2 Her, EX2 Hya, WZ Sge, V1223 Sgr.

Hearnshaw, J.B. et al. (4 authors) 2012, MNRAS 427, 298. (2a, 5degh, 8a) Orbital analysis of six southern SB1 systems: HD 77258, HD 85622, HD 101379, HD 124425, HD 136905, HD 194215.

Horch, E.P. et al. (4 authors) 2012, AJ 144, 165. (4ac) Speckle observations of Kepler, CoRoT and Hipparcos stars including some known or potential SBs.

Hubrig, S. et al. (11 authors) 2012, A&A 547, A90. (2a*, 3b, 5d) Magnetic fields of HgMn stars in SB systems: AR Aur, γ CMa, κ Cnc, 41 Eri, 66 Eri, μ Lep, ϕ Phe.

Hübscher, J., Braune, W., Lehmann, P.B. 2013, IBVS No. 6048 (5a) BAV-results of observations of photoelectric minima of EBs: BD And, LM And, V346 Aql, V1426 Aql, V1542 Aql, SS Ari, SX Aur, TT Aur, ZZ Aur, AH Aur, AP Aur, CQ Aur, EM Aur, EP Aur, FN Aur, FZ Aur, HL Aur, HW Aur, KL Aur, KO Aur, MN Aur, MT Aur, NN Aur, V426 Aur, V596 Aur, V640 Aur, V644 Aur, SS Boo, TZ Boo, UW Boo, AD Boo, AQ Boo, BG Boo, EF Boo, ET Boo, GH Boo, GM Boo, GN Boo, GQ Boo, GR Boo, GT Boo, GX Boo, HH Boo, HR Boo, IL Boo, IW Boo, IX Boo, KO Boo, KP Boo, KW Boo, LM Boo, LY Boo, MN Boo, MQ Boo, MT Boo, OQ Boo, PT Boo, PU Boo, AV Cam, HW Cam, NR Cam, V375 Cam, V428 Cam, V429 Cam, V438 Cam, V473 Cam, V476 Cam, V478 Cam, V479 Cam, V483 Cam, V488 Cam, V489 Cam, V496 Cam, V497 Cam, V500 Cam, V501 Cam, V505 Cam, V506 Cam, V509 Cam, V511 Cam, V512 Cam, S Cnc, SW Cnc, TX Cnc, KM Cnc, RS CVn, BI CVn, CI CVn, DF CVn, DI CVn, DL CVn, DM CVn, DR CVn, DX CVn, EE CVn, EX CVn, GO CVn, R CMa, AM CMi, TV Cas, BS Cas, IT Cas, MR Cas, OX Cas, XX Cep, EF Cep, V790 Cep, V803 Cep, V804 Cep, UX Com, CM Com, EK Com, LL Com, LQ Com, LT Com, MM Com, MR Com, RW CrB, TU CrB, Y Cyg, WZ Cyg, ZZ Cyg, BO Cyg, CV Cyg, DO Cyg, GO Cyg, PV Cyg, V444 Cyg, V501 Cyg, V502 Cyg, V700 Cyg, V711 Cyg, V743 Cyg, V842 Cyg, V907 Cyg, V1305 Cyg, V1792 Cyg, V1918 Cyg, V2154 Cyg, V2197 Cyg, V2239 Cyg, V2247 Cyg, UZ Dra, WW Dra, WX Dra, BE Dra, BV Dra, BW Dra, EF Dra, FU Dra, GV Dra, PV Dra, V338 Dra, RU Gem, RY Gem, WW Gem, EN Gem, EY Gem, IV Gem, KV Gem, KY Gem, OW Gem, V345 Gem, V390 Gem, V405 Gem, KL Her, V338 Her, V728 Her, V731 Her, V732 Her, V857 Her, V861 Her, V1055 Her, WY Hya, AI Hya, DE Hya, DK Hya, FG Hya, V470 Hya, V474 Hya, V475 Hya, V476 Hya, SW Lac, V339 Lac, V345 Lac, V364 Lac, AM Leo, AP Leo, ET Leo, FM Leo, FS Leo, FZ Leo, WZ LMi, XX LMi, XY LMi, AE LMi, AF LMi, RY Lyn, SW Lyn, TY Lyn, UU Lyn, BG Lyn, CD Lyn, DY Lyn, DZ Lyn, EL Lyn, FN Lyn, FO Lyn, TZ Lyr, UZ Lyr, AA Lyr, NV Lyr, NY Lyr, V563 Lyr, V574 Lyr, V576 Lyr, β Lyr, UV Mon, CF Mon, DD Mon, EZ Mon, GU Mon, V380 Mon, V384 Mon, V450 Mon, V514 Mon, V521 Mon, V532 Mon, EW Ori, FT Ori, GG Ori, V648 Ori, V1633 Ori, RV Per, IK Per, IQ Per, KN Per, KR Per, LX Per, V570 Per, V592 Per, PV Pup, CW Sge, V384 Ser, CR Tau, V1128 Tau, X Tri, RW UMa, AN UMa, AW UMa, KM UMa, MS UMa, V342 UMa, V343 UMa, V354 UMa, V356 UMa, V360 UMa, AG Vir, AH Vir, V355 Vir, BK Vul, FASTT 390, GSC 00279-00822, GSC 02016-00444, GSC 02038-00293, GSC 02411-00613, GSC 02415-00286, GSC 02423-00517, GSC 02761-01817, GSC 02898-02901, GSC 03097-01297, GSC 03109-00859, GSC 03208-01986, GSC 03575-06239, GSC 03578-00263, GSC 03581-01856, GSC 04190-01948, GSC 04922-00116, NSVS 12079, NSVS 5071111, NSVS 5149208, NSVS 710419, USNO-A2 0975-04356998, USNO-A2 1425-14529683, USNO-A2 1425-15156364, USNO-B1 0903-0102370, USNO-B1 1447-0060874.

Kato, T. et al. (88 authors) 2013, PASJ 65, 23. (1ao, 5ab) Survey of period variations of superhumps of 86 SU UMa-type dwarf novae: V725 Aql, EG Aqr, SV Ari, TT Boo, CR Boo, NN Cam,SY Cap, GZ Cet, AK Cnc, CC Cnc, GO Com, TU Crt, V503 Cyg, V1454 Cyg, AQ Eri, UV Gem, NY Her, PR Her, V611 Her, V844 Her, MM Hya, VW Hyi, RZ LMi, BK Lyn, V585 Lyr, FQ Mon, V1032 Oph, V2051 Oph, V1159 Ori, AR Pic, GV Psc, BW Scl, CC Scl, V1208 Tau, V1212 Tau, DI UMa, IY UMa, KS UMa, MR UMa, PU UMa, SS UMi, 1RXS J231935, ASAS J224349, DDE 19, MASTER J072948, MASTER J174305, MASTER J182201, MisV 1446, SBS 1108, SDSS J073208, SDSS J080303, SDSS J165359, SDSS J170213, SDSS J172102, SDSS J210449, SDSS J220553, OT J001952, OT J011516, OT J050716, OT J055721, OT J064608, OT J081117, OT J084127, OT J094854, OT J102842, OT J105122, OT J125905, OT J131625, OT J142548, OT J144252, OT J144453, OT J145921, OT J155631, OT J160410, OT J162806, OT J163942, OT J170609, OT J173516, OT J184228, OT J210950, OT J214738, OT J215818, OT J221232, OT J224736, TCP J084616, TCP J231308.

Katoh, N. et al. (4 authors) 2013, AJ 145, 41. (2a, 5d) Precise RVs and improved elements for SBs: a) SB1 - 29 Aqr (HD 219834), ζ Her (HD 150680), 36 LMi (HD 92000), ϵ Lib (HD 137052), 49 Lib (HD143333), 16 UMa (HD 79028), HR 51 (HD 11613), HR 672 (HD 14214), HR 1878 (HD 36859), HR 2251 (HD 43587), HR 2259 (HD 43821), HR 2692 (HD 54563), HR 3805 (HD 82674), HR 4896 (HD 112048), HR 5553 (HD 131511), HR 5816 (HD 139461), HR 6659 (HD 162596), HR 7024 (HD 172831), HD 9312, HD 35956, HD 105982, HD 160346, HD 219420, HD 220007: b) SB2 - 29 Ari (HD 15814), HR 6697 (HD 163840), HR 8467 (HD 210763), HR 8581 (HD 213429), HD 9939: c) New SB2 (formerly SB1) - 19 Dra (HD 153597), HR 6950 (HD 170829), HR 7260 (HD 178428): d) confirmed constant - 14 Boo (HD 124570), 23 Cam (HD 46588), β CVn (HD 109358), 25 UMa (HD 82328), HR 244 (HD 5015).

Koumpia, E., Bonanos, A.Z. 2012, A&A 547, A30. (1aoi*, 2ao, 5cde) Fundamental parameters of four massive EBs in Westerlund 1: W_{DEB}, W13, W36, WR77o.

Lacy, C.H.S. 2013, IBVS No. 6046 (5a) Times of minima of EBs: AP And, V361 Cas, V651 Cas, V1136 Cyg, V501 Her, AL Leo, V506 Oph, IM Per, NP Per, V482 Per, V514 Per, TY Tau, BT Vul.

Lampens, P. et al. (4 authors) 2013, Astron. Nachr. 334, 237. (1ai, 4b) Relative astrometric component positions and JHK component colours and indices of a sample of 36 southern CBs with known HIPPARCOS parallaxes and orbits measured using adaptive optics: HIP 730, HIP 2237, HIP 2762, HIP 2941, HIP 5165, HIP 5842, HIP 7254, HIP 7372, HIP 7580, HIP 15382, HIP 19719, HIP 20087, HIP 21280, HIP 22550, HIP 22573, HIP 22607, HIP 25037, HIP 25119, HIP 27421, HIP 27901, HIP 29234, HIP 30920, HIP 30953, HIP 33451, HIP 36238, HIP 40167, HIP 41261, HIP 42075, HIP 45170, HIP 46404, HIP 46454, HIP 47479, HIP 53840, HIP 114375, HIP 114576, HIP 115126.

Nelson, R.H. 2013, IBVS No. 6050 (5a) CCD minima for selected EBs in 2012: BX And, LO And, BO Ari, V599 Aur, V644 Aur, AC Boo, DN Boo, GR Boo, GT Boo, IK Boo, CD Cam, NR Cam, OQ Cam, PQ Cam, V447 Cam, V517 Cam, WZ Cep, GSC 4475-0618, GSC 4267-0588, GSC 4267-0682, GSC 4481-0080, TX Cnc, IR Cnc, RW Com, CC Com, LT Com, MM Com, TW CrB, AR CrB, BO CVn, DQ CVn, EY CVn, FV CVn, GM CVn, GN CVn, V700 Cyg, V1187 Cyg, V1191 Cyg, V2197 Cyg, BL Dra, BX Dra, DD Dra, FX Dra, GZ Dra, GSC 3888-0464, GSC 4428-1574, GSC 3900-0615, AC Gem, V450 Her, V731 Her, V829 Her, V857 Her, V1066 Her, V1073 Her, V1091 Her, V1097 Her, V1100 Her, GSC 2587-1888, GSC 3621-0711, XZ Leo, AM Leo, ET Leo, GU Leo, HI Leo, GSC 1965-0735, XY LMi, AG LMi, FG Lyn, V1363 Ori, U Peg, BN Peg, V404 Peg, GSC 1684-0522, RZ Tau, CU Tau, V0781 Tau, ES UMa, KM UMa, MQ UMa, MS UMa, QT UMa, RU UMi, WW UMi, AZ Vir, PS Vir, PY Vir, GSC 2157-0387.

Parimucha, S., Dubovsky, P., Vanko, M. 2013, IBVS No. 6044 (5a) Minima times of EBs: RT And, AB And, BX And, EP And, LO And, V376 And, SS Ari, V402 Aur, TY Boo, TZ Boo, AC Boo,

FI Boo, SV Cam, AO Cam, V442 Cam, TX Cnc, WY Cnc, EH Cnc, BI CVn, CW Cas, V523 Cas, V651 Cas, V776 Cas, SS Com, RW Com, RZ Com, CC Com, VW Cep, YY CrB, V1191 Cyg, V1918 Cyg, LS Del, FU Dra, TX Her, V728 Her, V857 Her, V829 Her, SW Lac, PP Lac, AM Leo, CE Leo, EX Leo, UV Leo, RT LMi, VW LMi, UV Lyn, V508 Oph, V2610 Oph, V2612 Oph, U Peg, AT Peg, BB Peg, BX Peg, DI Peg, V351 Peg, V357 Peg, V432 Per, DV Psc, GSC 0008-0901,AU Ser, OU Ser, Y Sex, CW Sge, AH Tau, EQ Tau, V781 Tau, W UMa, XY UMa, AA UMa, HH UMa, HV UMa, TV UMi, AZ Vir, AH Vir, PY Vir.

Ren, S., Fu, Y. 2013, AJ 145, 81. (4b, 5e) Hipparcos photocentric orbits for 72 SB1 with periods between 50 days and 3.2 years: HIP 705, HIP 2170, HIP 5881, HIP 5952, HIP 6306, HIP 7134, HIP 10340, HIP 12062, HIP 17932, HIP 20982, HIP 21433, HIP 22607, HIP 23221, HIP 24331, HIP 24419, HIP 26001, HIP 28814, HIP 30338, HIP 31539, HIP 32397, HIP 33982, HIP 34164, HIP 39893, HIP 40772, HIP 45075, HIP 46893, HIP 47461, HIP 50801, HIP 50966, HIP 51157, HIP 55022, HIP 57791, HIP 59468, HIP 59750, HIP 61724, HIP 62915, HIP 63063, HIP 63144, HIP 65522, HIP 65982, HIP 66907, HIP 67615, HIP 69112, HIP 69442, HIP 69879, HIP 73199, HIP 73440, HIP 77409, HIP 77801, HIP 80042, HIP 81170, HIP 82860, HIP 83575, HIP 83947, HIP 85852, HIP 87428, HIP 89773, HIP 90692, HIP 92175, HIP 92418, HIP 92512, HIP 92818, HIP 95028, HIP 98039, HIP 99848, HIP 99965, HIP 100437, HIP 105017, HIP 112158, HIP 114222, HIP 114421, HIP 117607.

Strassmeier, K.G. et al. (4 authors) 2012, Astron. Nachr. 333, 663. (1ao, 2ao, 5bcdghk) Spectroscopic and photometric analysis of 60 active cool stars, mostly binaries, including orbital solutions for 26 SB2 systems: HK Boo, BQ CVn, HY CMa, V741 Cas, UV Crv, OR Del, IR Eri, QY Hya, GZ Leo, V723 Mon, LN Peg, BG Psc, EO Psc, V1044 Sco, V381 Ser, V383 Ser, FF UMa, NO UMa, IM Vir, HD 50255, HD 61994, HD 73512, HD 93915, HD 199967, HD 226099, HD 237944 and 19 SB1 systems: CD CVn, ζ Cyg, GI Dra, V894 Her, OS Hya, EQ Leo, GS Leo, BM Lyn, V723 Mon, LN Peg, V4429 Sgr, OX Ser, ϵ UMi, HD 16884 (2$\times$ SB1), HD 40891, HD 66553, HD 112099, HIP 63322.

Szabados, L., Nehéz, D. 2012, MNRAS 426, 3148. (2ao*, 6b) Spectroscopic binarity of LMC cepheid HV 914 identified; list of known binaries with cepheid components in LMC (17 objects, mostly OGLE sources) and SMC (15 objects); comparison with Galactic cepheid binary frequency.

Vulic, N., Barmby, P., Gallagher, S.C. 2013, ApJ 763, 96. (1aiox) Search for XRBs in M31.

Williams, S.J. et al. (5 authors) 2013, AJ 145, 29. (2ado, 5dg) RV and orbits for O-star SB1: HD 152147, HD 164536, HDE 229232, HDE 308813, BD $-16°4826$.

Wolf, M. et al. (6 authors) 2013, A&A 549, 108. (1ao, 5abf) Apsidal motion in five eccentric EBs: V785 Cas, V821 Cas, V796 Cyg, V398 Lac, V871 Per.

Wraight, K.T. et al. (5 authors) 2012, MNRAS 427, 2298. (1ao, 5abce) Nine bright low-mass EB candidates observed by STEREO: HD 23765, HD 75767, HD 89849, HD 198044, HD 205403, HD 213597, HD 213597, HDE 287039, BD $-07°3648$.

Proceedings of Conferences, Symposia, and Monographs

Fourth Science Meeting with the GTC, eds. *C. Muñoz-Tuñón, J.M. Rodriguez-Espinosa*, 2012, RMAASC 42, includes a few CB-related contributions.

IAU Commission 42

BIBLIOGRAPHY OF CLOSE BINARIES

No. 96, June 2013

Editor-in-Chief: C.D. Scarfe

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

Phone: +01 250 721-6521
Fax: +01 250 721-7715
scarfe@uvic.ca