International Astronomical Union
Commission 42

# BIBLIOGRAPHY OF CLOSE BINARIES

## No. 96


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

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|---|---|---|---|---|---|---|---|
| g. | $\gamma$-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 $\gamma$-ray, x-ray, IR, or radio sources | d. | Finding charts |

**7. Observational techniques**

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

**8. Theoretical investigations**

| | | | |
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| 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 $\delta$ 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. |
| $\epsilon$ 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. |
| $\gamma$ CMi | *Fekel, F.C. et al.* (5 authors) 2013, Astron. Nachr. 334, 223. (2ao, 5bde) Spectroscopic orbit solution of evolved K-type SB2 system. |
| $\eta$ 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. |

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| V1043 Cas | *Samec, R.G. et al.* (5 authors) 2013, AJ 145, 14. (1aoi, 5abc) Pre-contact binary. |
| $\omega$ 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. |
| $\alpha$ 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., Íbanoǧlu, 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. |

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| 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. |
| $\kappa$ 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. |
| $\chi$ 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. |

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| | *Wu, E.M.H. et al.* (8 authors) 2012, ApJ 761, 181. (1g, 2g) Phase-dependent variability of $\gamma$-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. |
| $\alpha$ 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. |
| $\delta$ 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)<br>*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 $\gamma$-ray binary.<br>*Yamaguchi, M.S., Takahara, F.* 2012, ApJ 761, 146. (1x*, 2x*) Inverse Compton scattering model for x-ray emission from $\gamma$-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. |

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

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| 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. |

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| HD 188774 (KIC 5988140) | *Lampens, P. et al.* (12 authors) 2013, A&A 549, 104. (5b) Low-frequency variations of unknown origin in Kepler $\delta$ 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

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|---|---|
| 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

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| 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. |

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| 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. |
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*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, $\zeta$ Cyg, GI Dra, V894 Her, OS Hya, EQ Leo, GS Leo, BM Lyn, V723 Mon, LN Peg, V4429 Sgr, OX Ser, $\epsilon$ UMi, HD 16884 (2$\times$ SB1), HD 40891, HD 66553, HD 112099, HIP 63322.

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*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.

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