

International Astronomical Union  
Commission G1

BIBLIOGRAPHY OF CLOSE BINARIES

No. 107

**Editor-in-Chief:**

W. Van Hamme

**Editors:**

R.H. Barbá  
D.R. Faulkner  
P.G. Niarchos  
D. Nogami  
R.G. Samec  
C.D. Scarfe  
C.A. Tout  
M. Wolf  
M. Zejda

Material published by September 15, 2018

BCB issues are available at the following URLs:  
[http://ad.usno.navy.mil/wds/bsl/G1\\_bcb\\_page.html](http://ad.usno.navy.mil/wds/bsl/G1_bcb_page.html),  
<http://faculty.fiu.edu/~vanhamme/IAU-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.  $\gamma$ -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**

- 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	IP	intermediate polar	RV	radial velocity
BH	black hole	LC	light curve	SB	spectroscopic binary
CB	close binary	LMXB	low-mass x-ray binary	WD	white dwarf
CV	cataclysmic variable	NS	neutron star	WR	Wolf-Rayet star
EB	eclipsing binary	PSR	pulsar		
HMXB	high-mass x-ray binary	QPO	quasi-periodic oscillation		

---

## Individual Stars

- AD And *Parimucha, Š et al.* (5 authors) 2018, RAA 18, 47. (1acdo, 5abf) Period variations of Algol-type EB.
- 94 Aqr A *Docobo, J.A. et al.* (4 authors) 2018, AJ 156, 85. (2ao\*, 4aco, 5de) Precise masses from new astrometric and most recent spectroscopic orbits.
- BW Aqr *Lester, K.V., Gies, D.R.* 2018, AJ 158, 8. (1ao, 2ao, 5abcdefg) Accurate masses and radii cannot be fitted by models of same age.
- R Aqr *Bujarrabal, V. et al.* (5 authors) 2018, A&A 616, L3. (4cr, 5j) High-resolution direct imaging of the gravitational effects of the secondary on the stellar wind.  
*Liimets, T. et al.* (11 authors) 2018, A&A 612, A118. (2do, 5ij) New insights into the outflows from the symbiotic binary.  
*Melnikov, S., Stute, M., Eisloffel, J.* 2018, A&A 612, A77. (1ao, 5ij) Bipolar jet morphology using the high-resolution HST WFC3/UVIS camera.  
*Ramstedt, S. et al.* (6 authors) 2018, A&A 616, A61. (4r, 5j) CO envelope of the system seen by ALMA.
- V1315 Aql *Sahman, D.I. et al.* (4 authors) 2018, MNRAS 477, 4483. (1ao, 2ac, 5cdg) Discovery of an old nova shell surrounding the system.
- V1333 Aql  
(Aql X-1) *Bult, P. et al.* (15 authors) 2018, ApJL 859, L1. (2dx) Thermal emission in the hard state is intrinsically variable.  
*Díaz Trigo M. et al.* (10 authors) 2018, A&A 616, A23. (1imorx, 2x, 4cr, 5j) The evolving jet spectrum of the NS XB in transitional states during its 2016 outburst.  
*Ootes, L.S. et al.* (4 authors) 2018, MNRAS 477, 2900. (5gi, 8a) Modelling the accretion outburst history.
- V1343 Aql  
(SS 433) *Ahnen, M.L. et al. (MAGIC Collaboration)* (409 authors) 2018, A&A 612, A14. (2dg) Constraints on particle acceleration in the HMXB from MAGIC and H.E.S.S. observations.  
*Bowler, M.G., Keppens, R.* 2018, A&A 617, A29. (8b) Remnant shell W 50 characteristics determined by the microquasar jets.  
*Medvedev, P.S. et al* 5 authors 2018, AstL 44, 390. (1x, 2x, 5h) Supercritical AD wind nickel overabundance upper limit from X-ray spectroscopy.  
*Sakemi, H. et al.* (7 authors) 2018, PASJ 70, 27. (3ar, 5j) Magnetic field analysis of the jet bow and terminal shock.
- V1487 Aql  
(GRS 1915+105) *Abdalla, H. et al. (H.E.S.S. Collaboration)* (246 authors) 2018, A&A 612, A10. (2dgx) Very high-energy flares from the microquasar using contemporaneous H.E.S.S. and RXTE observations.  
*Dutta, B.G., Pal, P.S., Chakrabarti, S.K.* 2018, MNRAS 479, 2183. (1x, 5gi, 8a) Evolution of AD geometry.  
*Maselli, A. et al.* (6 authors) 2018, A&A 612, A33. (2dx, 5i) Energy scaling of the “heartbeat” pulse width of the LMXB from RXTE observations.  
*Neilsen, J. et al.* (16 authors) 2018, ApJ 860, L19. (1x, 2x) Persistent disk wind.
- V351 Ara *Bond, H.E., Miszalski, B.* 2018, PASP 130, 094201. (1ao, 2ado, 5b) Nova-like variable in bow-shock nebula.
- V801 Ara  
(4U 1636–536) *Brauer, K. et al.* (4 authors) 2018, MNRAS 478, 4894. (2ac, 5degi) Phase-resolved spectroscopy.  
*Chen, Y.P. et al.* (10 authors) 2018, ApJ 864, L30. (1x, 2x) Corona cooling revealed with single short type-I X-ray burst.

V821 Ara (GX 339-4)	<p><i>Chirenti, C., Jasiulek, M.</i> 2018, MNRAS, 476, 354. (8a) Mass-radius estimates for the LMXB NS with possible r-mode frequencies detected.</p> <p><i>Kylafis, N.D., Reig, P.</i> 2018, A&amp;A 614, L5. (2dx*, 5ij) Correlation of time lag and photon index in BH transient.</p> <p><i>Bagri, K. et al.</i> (5 authors) 2018, RAA 18, 51. (1bx, 2cdx, 5i) Systematic analysis of low/hard state RXTE spectra to constrain system geometry.</p> <p><i>Kosenkov, I.A., Velentina, A.</i> 2018, MNRAS 478, 4710. (1aio, 5cgi) Investigation of the variability of optical and near-IR light curves.</p> <p><i>Vincentelli, F.M. et al.</i> (9 authors) 2018, MNRAS 477, 4524. (1ix, 5cg) Characterization of the IR/X-ray subsecond variability.</p>
BN Ari	<i>Alton, K.B., Nelson, R.H., Boyd, D.R.S</i> 2018, AcA 68, 159 (1a, 2a, 5abcd) LC modeling and period analysis of the overcontact EB.
UX Ari	<i>Dar, A.A., Parihar, P.S., Marik, M.A.</i> 2018, RAA 18, 112. (1ao, 2co, 5cg) Photometry and spectroscopy of the RS CVn system.
XY Ari	<i>Zengin Çamurdan, D., Balman, Ş., Burwitz, V.</i> 2018, MNRAS 476, 5026. (1x*, 5cg) An eclipsing IP.
ε Aur	<p><i>Gibson, J.L., Stencel, R.E.</i> 2018, MNRAS 476, 5026. (8c) Modules for Experiments in Stellar Astrophysics (MESA) models of the evolutionary state.</p> <p><i>Gibson, J.L. et al.</i> (7 authors) 2018, MNRAS 479, 2161. (2ac, 5degijk, 8acd) Analysis of high resolution spectra from the 2010 eclipse.</p>
OV Boo	<i>Tanabe, K., Akazawa, H., Fukuda, N.</i> 2018, IBVS 6251. (1a) Photometry of the 2017 outburst.
SV Cam	<i>Şevanci, H.V. et al.</i> (8 authors) 2018, MNRAS 479, 875. (1ao, 2ac, 5cdeg) Star-spot distributions and chromospheric activity.
UY Cam	<i>Li, L.-J. et al.</i> (6 authors) 2018, PASJ 70, 71. (1ao, 5abcef) Identification and period of the pulsation of the RR Lyrae binary star component.
V474 Cam	<i>Guo, D. et al.</i> (4 authors) 2018, PASP 130, 064201. (1ao, 5abs) Totally eclipsing W UMa system.
IL Cnc	<i>Alton, K.B.</i> 2018, IBVS 6241. (1a, 5abc, 6d) Multicolor LC and period analysis.
R CMa	<i>Lehmann, H. et al.</i> (6 authors) 2018, A&A 615, A131. (2aco, 5bd) Spectroscopic time-series analysis.
η Car	<i>Richardson, N.D. et al.</i> (18 authors) 2018, MNRAS, 475, 5417. (1ao) Evidence for pulsations revealed by BRITe-Constellation.
RZ Cas	<i>Mkrtichian, D.E. et al.</i> (28 authors) 2018, MNRAS, 475, 4745. (1ao, 5abij) Accretion-driven variability of the multimode oscillation spectrum derived from photometric time series.
TW Cas	<i>Parimucha, Š et al.</i> (5 authors) 2018, RAA 18, 47. (1acdo, 5abf) Period variations of Algol-type EB.
IV Cas	<i>Parimucha, Š et al.</i> (5 authors) 2018, RAA 18, 47. (1acdo, 5abf) Period variations of Algol-type EB.
V1007 Cas	<i>Li, K. et al.</i> (5 authors) 2018, PASP 130, 074201. (1ao, 1ai*, 5abc) Totally eclipsing W UMa system with period variation.
V615 Cas (LS I +61°303)	<p><i>Jaron, F. et al.</i> (4 authors) 2018, MNRAS 478, 440. (1gr, 5bg) Timing analysis on the radio and <math>\gamma</math>-ray LCs.</p> <p><i>Nösel, S. et al.</i> (5 authors) 2018, MNRAS, 476, 2516. (1rx, 5c, 8ab) Hour time-scale QPOs in the X-ray and radio emission.</p>

V709 Cas	<i>Shaw, A.W. et al.</i> (6 authors) 2018, MNRAS, 476, 554. (2x, 5e, 8a) Modelling of NuSTAR X-ray spectra to derive the IP WD component mass.
BH Cen	<i>Zhao, E.-G., et al.</i> (5 authors) 2018, RAA 18, 59. (1ao, 5abcej) New photometry of the early-type overcontact binary in the young star-forming Galactic cluster IC 2944.
V495 Cen	<i>Rosales Guzmán, J. A. et al.</i> (5 authors) 2018, MNRAS 476, 3039. (1ao, 2a, 5abcdeg) Spectroscopic and photometric study.
V822 Cen (Cen X-4)	<i>Hammerstein, E.K. et al.</i> (4 authors) 2018, MNRAS 478, 4317. (1i, 5cegi) Results of ellipsoidal LC modelling.
VV Cep	<i>Pollmann, E. et al.</i> (4 authors) 2018, IBVS 6249. (2cd) Periodic H $\alpha$ emission in the EB.
VW Cep	<i>Mitnyan, T. et al.</i> (10 authors) 2018, A&A 612, A91. (1ai, 2ao, 5abcdeg) Surface activity and period variation.
BR Cir (Cir X-1)	<i>Abdalla, H. et al. (H.E.S.S. Collaboration)</i> (246 authors) 2018, A&A 612, A10. (2dgx) Very high-energy flares from the microquasar using contemporaneous H.E.S.S. and RXTE observations.
IN Com	<i>Aller, A. et al.</i> (8 authors) 2018, MNRAS, 476, 1140. (1ao, 2abcdou, 5bcdegi) New study of the binary system in the PN LoTr 5, with hints of a third component.
U CrB	<i>Khaliullina, A.I.</i> 2018, ARep 62, 264. (5b) The light-time effect in the EB with early-type components.
TZ CrB ( $\sigma^2$ CrB)	<i>Rosén, L. et al.</i> (6 authors) 2018, A&A 613, A60. (3bo) Magnetic field topology of the cool, active, short-period binary system.
RT Cru	<i>Luna, G.J.M. et al.</i> (11 authors) 2018, A&A 616, A53. (1aoux, 5j) Observations of the AD and boundary layer of the symbiotic star.
V404 Cyg	<i>Dallilar, Y. et al.</i> (67 authors) 2018, Science 360, (10b) Magnetic field in the corona of the BH binary. Erratum to 2017, Science 358, 1299. <i>Kajava, J.J.E. et al.</i> (4 authors) 2018, A&A 616, A129. (1x, 5j) December 2015 re-brightening and variable absorption from the AD outflow. <i>Kimura, M. et al.</i> (27 authors) 2018, MNRAS, 475, 3083. (10b) Erratum to 2017, MRAS, 471, 373.
V1357 Cyg (Cyg X-1)	<i>Agafonov, M.I. et al.</i> (8 authors) 2018, ARep 62, 225. (2a, 5dgi) 3D Doppler tomography of the XB from spectral observations in 2007 in the He II $\lambda$ 4686 Å line (paper 2).
V1500 Cyg	<i>Pavlenko, E.P. et al.</i> (10 authors) 2018, MNRAS 479, 341. (1ao, 5abcgi) Orbital, spin, and beat periods.
V1521 Cyg (Cyg X-3)	<i>Koljonen, K.I.I. et al.</i> (8 authors) 2018, A&A 612, A27. (2dx, 4cr, 5i) The hypersoft state of the HMXB. A key to jet quenching in XBs? <i>Sinitsyna, V.G., Sinitsyna, V.Yu.</i> 2018, AstL 44, 162. (1g, 5b) Very high energy emission.
V2028 Cyg	<i>Polster, J., Korčáková, D., Manset, N.</i> 2018, A&A 617, A79. (8ab) H $\alpha$ bisector variability modelling for system displaying the B[e] phenomenon.
YY Eri	<i>Yu, T. et al.</i> (4 authors) 2018, RAA 18, 106. (1abo, 5abj) Orbital period changes of the W UMa binary.
Y Gem	<i>Sahai, R. et al.</i> (6 authors) 2018, ApJ 860, 105. (2u) Binarity and accretion in AGB stars: HST/STIS observations of UV flickering.
AM Her	<i>Garońsky, M.P. et al.</i> (4 authors) 2018, MNRAS, 475, 1399. (1r, 4acr) Radioastrometric campaign with e-EVN at 6 cm; improved parallax.

TU Her	<i>Kurbatov, E.P. et al.</i> (9 authors) 2018, ARep 62, 483 (8a) Comparison of dimensionless parameters of the polar and from laboratory experiments.
V502 Her	<i>Khaliullina, A.I.</i> 2018, ARep 62, 520. (5b) Cyclic orbital-period variations in an EB with a rapid period decrease.
V789 Her	<i>Zhao, E. et al.</i> (6 authors) 2018, PASP 130, 044201. (1ao, 2aco, 5abcd) Neglected W UMa system.
V948 Her	<i>Li, K. et al.</i> (5 authors) 2018, PASP 130, 074201. (1ao, 1ai*, 5abc) Totally eclipsing W UMa system with period variation.
V1175 Her	<i>Aliçavuş, F.K.</i> 2018, RAA 18, 87. (1ao, 2abo, 5cdegh) A candidate pulsating star in the EB.
EX Hya	<i>Lu, H. et al.</i> (4 authors) 2018, AJ 156, 88. (1ao, 2b, 5abc) W UMa system.
MN Hya	<i>Kurbatov, E.P. et al.</i> 9 authors 2018, ARep 62, 483 (8a) Comparison of dimensionless parameters of the IP and from laboratory experiments.
RZ LMi	<i>Wang, Q.-S. et al.</i> (6 authors) 2018, RAA 18, 75. (1aox, 5abij) Photometric analysis of the eclipsing polar.
V394 Lib	<i>Shugarov, S.Y. et al.</i> (5 authors) 2018, Ap&SS 363, 100. (1aiou, 5i) Superhump and outburst activity of the CV.
NY Lup	<i>Kimura, M. et al.</i> (38 authors) 2018, PASJ 70, 78. (1ao, 5ci) Long-period dwarf nova with rare and low-amplitude outbursts.
V407 Lup (ASASSN-16kt)	<i>Shaw, A.W. et al.</i> (6 authors) 2018, MNRAS, 476, 554. (2x, 5e, 8a) Modelling of NuSTAR X-ray spectra to derive the IP WD component mass.
SU Lyn	<i>Izzo, L. et al.</i> (11 authors) 2018, MNRAS 478, 1601. (2ac, 5deg) Beryllium detection in the very fast nova.
$\beta$ Lyr	<i>de Oliveira, R.L. et al.</i> (5 authors) 2018, ApJ 864, 46. (1ux, 2x) Diagnosing the boundary layer.
V902 Mon	<i>Ignace, R. et al.</i> (5 authors) 2018, AJ 156, 97. (2do*, 5gi) Archival H $\alpha$ profiles.
V959 Mon	<i>Rucinski, S.M. et al.</i> (12 authors) 2018, AJ 156, 12. (1ao, 5g) LC instabilities observed by BRITE satellites.
V2051 Oph	<i>Worpel, H. et al.</i> (5 authors) 2018, A&A 617, A52. (1x, 2x, 2do, 5ak) A likely disc-accreting IP.
V2606 Oph (GRS 1739–278)	<i>Hachisu, I., Kato, M.</i> 2018, ApJ 858, 108. (1ao, 2dx, 5ej) Distance, WD mass, and wind mass loss rate.
V1055 Ori (4U 0614+09)	<i>Wojcikiewicz, E., Baptista, R., Ribeiro, T.</i> 2018, MNRAS, 475, 2675. (1ai, 5ce) Mass-donor and distance from near-IR photometry.
BD Pav	<i>Wang, S. et al.</i> (7 authors) 2018, PASJ 70, 67. (2dx, 5ei) State transitions in the 2014 outburst.
TY Peg	<i>Bult, P. et al.</i> (19 authors) 2018, ApJL 860, L9. (2dx) kHz QPO with amplitude below 3 keV detected.
AG Peg	<i>Kimura, M. et al.</i> (38 authors) 2018, PASJ 70, 78. (1ao, 5ci) Long-period dwarf nova with rare and low-amplitude outbursts.
DI Peg	<i>Khaliullina, A.I.</i> 2018, ARep 62, 520. (5b) Cyclic orbital-period variations in the EB with a rapid period decrease.
	<i>Lee, S.-J., Hyung, S.</i> 2018, MNRAS, 475, 5558. (2co, 5ij, 8b) H $\alpha$ and H $\beta$ Raman scattering line profiles.
	<i>Ozuyar, D., Elmashli, A., Caliskan, S.</i> 2018, IBVS 6252. (1a, 5ab) Period analysis of the hierarchical system.

EQ Peg	<i>Crosley, M.K., Osten, R.A.</i> , 2018, ApJ 862, 113. (1r, 3a) Low-frequency radio transients and coronal mass ejections.
EU Peg	<i>Yang, Y. et al.</i> (4 authors) 2018, PASJ 70, 24. (1ao, 2bo, 5abcj) An Algol-type binary with a $\delta$ Scuti-type component.
II Peg	<i>Dar, A.A., Parihar, P.S., Marik, M.A.</i> 2018, RAA 18, 112. (1ao, 2co, 5cg) Photometry and spectroscopy of the RS CVn system.
IM Peg	<i>Dar, A.A., Parihar, P.S., Marik, M.A.</i> 2018, RAA 18, 112. (1ao, 2co, 5cg) Photometry and spectroscopy of the RS CVn system.
Y Psc	<i>Khaliullina, A.I.</i> 2018, ARep 62, 520. (5b) Cyclic orbital-period variations in an EB with a rapid period decrease.
V414 Pup (HD 66051)	<i>Paunzen, E. et al.</i> (11 authors) 2018, A&A 615, A36. (1ao, 2ao, 5cd) Orbital parameters and evolutionary status of the highly peculiar binary.
RZ Pyx	<i>Zhao, E. et al.</i> (6 authors) 2018, PASP 130, 084205. (1ao, 1ao*, 5abc) Short-period B-type EB with two probable companions.
QX Sge (PSR B1957+20)	<i>Main, R. et al.</i> (9 authors) 2018, Nature 557, 522. (4cr) PSR emission amplified and resolved by plasma lensing in an EB.
WZ Sge	<i>Patterson, J. et al.</i> (22 authors) 2018, PASP 130, 064202. (5a*, 5b) Long-term (56 yr) study of eclipse times.
V1082 Sgr	<i>Tovmassian, G. et al.</i> (4 authors) 2018, ApJ 863, 47. (1coix) Magnetic pre-CV.
V1223 Sgr	<i>Shaw, A.W. et al.</i> (6 authors) 2018, MNRAS, 476, 554. (2x, 5e, 8a) Modelling of NuSTAR X-ray spectra to derive the IP WD component mass.
V4140 Sgr	<i>Kato, T., Hambsch, F., Cook., L.M.</i> 2018, PASJ 70, L3. (1ao, 5i) Detection of the supercycle: first eclipsing ER UMa-like object.
V4580 Sgr (SAX J1808.4–3658)	<i>Bahramian, A. et al.</i> (10 Authors) 2018, ApJ 864, 28. (1x) A transitional millisecond binary PSR candidate. <i>Taillo, M. et al.</i> (9 authors) 2018, MNRAS 479, 817. (5j, 8acd) Simulation of the evolutionary path.
V4634 Sgr	<i>Meisel, Z.</i> 2018, ApJ 860, 147. (1x*, 2x*, 8c) Possibility of constraining rp-process reaction rates.
V4641 Sgr	<i>Abdalla, H. et al. (H.E.S.S. Collaboration)</i> (246 authors) 2018, A&A 612, A10. (2dgx) Very high-energy flares from the microquasar using contemporaneous H.E.S.S. and RXTE observations.
V4722 Sgr (SAX J1810.8–2609)	<i>Bilous, A.V. et al.</i> (4 authors) 2018, ApJ 862, L4. (1x, 2x) A millisecond oscillation in the bursting X-ray flux.
V5512 Sgr (GX 13+1)	<i>Allen, J.L. et al.</i> (6 authors) 2018, ApJ 861, 26. (1x, 2x) The disk wind in the NS LMXB.
V5668 Sgr (Nova Sgr 2015b)	<i>Siegert, T. et al.</i> (14 authors) 2018, A&A 615, A107. (1g, 5h) $\gamma$ -ray observations with INTEGRAL.
V393 Sco	<i>Mennickent, R.E. et al.</i> (4 authors) 2018, PASP 130, 094203. (2do, 5g) Evidence for active regions on the Algol-type binary donor star.
V818 Sco (Sco X-1)	<i>Wang, L. et al.</i> (5 authors) 2018, MNRAS 478, 5174. (2a, 5deg, 8a) Revised system parameters.
V1534 Sco (Nova Sco 2014)	<i>Munari, U., Banerjee, D.P.K.</i> 2018, MNRAS, 475, 508. (2bi, 5j) Infrared spectroscopy of the remnant nova indicates a symbiotic star with too little circumstellar matter to decelerate the ejecta.
$\sigma$ Scl	<i>Janik, J. et al.</i> (10 authors) 2018, PASP 130, 054203. (2ao, 5g) Marginal chemically peculiar star found to be SB1.

VY Scl *Schmidtobreick, L. et al.* (7 authors) 2018, A&A 617, A16. (1ao, 2aco, 5e) Catching the CV in a low state.

X Ser *Šimon, V.* 2018, A&A 614, A141. (1aco\*) Post-nova long-term activity.

MM Ser  
(Ser X-1) *Ludlam, R.M. et al.* (20 authors) 2018, ApJL 858, L5. (2cdx, 5gi) Constraints on inner disk radius and NS mass.  
*Yoneda, H. et al.* (5 authors) 2018, MNRAS, 475, 2194. (1x, 2x, 5i, 8) Search for gravitational redshifted absorption lines.

AY Sex  
(PSR J1023+0038) *Bogdanov, S. et al.* (9 authors) 2018, ApJ 856, 54. (2drx) Anticorrelation between radio and X-ray variability.  
*Kennedy, M.R. et al.* (4 authors) 2018, MNRAS 477, 1120. (1ao, 5cgi) Analysis of *Kepler K2* observations.  
*Rivera Sandoval, L.E. et al.* (10 authors) (1u, 5ei, 8b) Mid-UV studies of transitional millisecond PSR.  
*Shahbaz, T. et al.* (6 authors) 2018, MNRAS 477, 566. (1io, 5cgi) Evidence for hot clumpy accretion flow.

RW Tau *Khaliullina, A.I.* 2018, ARep 62, 264. (5b) The light-time effect in the EB with early-type components.

BU Tau  
(HD 23862) *Pollmann, E.* 2018, IBVS 6239. (2cd, 5g) Precession of the disk in Pleione.

CM Tau *Abt, H.A., Fountain, J.W.* 2018, RAA 18, 37. (1do) An earlier explosion date for the Crab Nebula SN.  
*Aharonian, F. et al. (Hitomi Collaboration)* (203 authors) 2018, PASJ 70, 15. (1ax) Hitomi X-ray studies of giant radio pulses from the Crab PSR.

DQ Tau *Kóspál, Á. et al.* (7 authors) 2018, ApJ 862, 44. (1ai, 5cj) Spots, flares, accretion and obscuration in pre-main-sequence binary.

FW Tau AB *Docobo, J.A., Tamazian, V.S., Campo, P.P.* 2018, MNRAS, 476, 2792. (5be) Orbit calculation using a very short arc in pre-main-sequence binary.

$\alpha$  UMa *Shakht, N.A., Gorshanov, D.L., Visilkova, O.O.* 2018, RAA 18, 94. (1ao, 4a, 5e) Mass of the SB in the Pulkovo program estimated by means of astrometry methods.

ER UMa *Imada, A., Yanagisawa, K., Kawai, N.* 2018, PASJ 70, L4. (1ao, 5i) On the colour variations of negative superhumps.

GT UMa *Dimitrov, W. et al.* (6 authors) 2018, AcA 68, 141. (2a, 5ad) Possible quadruple system.

GP Vel  
(Vel X-1) *El Mellah, I., Sundqvist, J.O., Keppens, R.* 2018, MNRAS, 475, 3240. (8bd) Accretion from a clumpy massive-star wind in the HMXB.

HU Vel  
(PSR B0833–45) *Rudak, B.* 2018, JApA 39, 48. (2d) Observational properties across a wide energy spectrum.

PS Vir *Yuan, H.-Y., Dai, H.-F., Yang, Y.-G.* 2018, RAA 18, 78. (1ao, 2bo, 5abce) A short-period, solar-like contact binary.

BU Vul *Wang, J. et al.* (4 authors) 2018, PASJ 70, 72. (1ao, 5abcg) Analysis of magnetic activity and orbital period of the semi-detached binary.

PU Vul *Cúneo, V.A. et al.* (6 authors) 2018, MNRAS 479, 2728. (1ao, 2c, 5cdeg) Illumination effect and eccentric orbit.  
*Tatarnikova, A. et al.* (8 authors) 2018, RAA 18, 98. (1ao, 2abc, 5cij) 2009-2016 observations of the symbiotic nova.



V406 Vul  
(XTE J1859+226)

*Nandi, A. et al.* (9 authors) 2018, Ap&SS 363, 90. (2ax, 5ej) Accretion flow dynamics during the 1999 outburst – modeling of broadband spectra and constraining the source mass.

---

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

HD 7  
HD 3454  
HD 17505A

*Griffin, R.F.* 2018, Observatory 138, 162. (2a, 5d) SB1, very long P.  
*Griffin, R.F.* 2018, Observatory 138, 116. (2a, 5d) SB1, short P, circular.  
*Raucq, F. et al.* (4 authors) 2018, A&A 614, A60. (2ao, 5dek) Fundamental parameters of massive CB in multiple system.

HD 23862  
HD 54451  
HD 63107  
HD 66051

(see BU Tau)  
*Griffin, R.F.* 2018, Observatory 138, 162. (2a, 5d) SB1, very long P.  
*Griffin, R.F.* 2018, Observatory 138, 116. (2a, 5d) SB2, P near 1 year.  
*Kochukhov, O. et al.* (5 authors) 2018, MNRAS 478, 1749. (1ao, 2ac, 3b, 5cdeg) The first EB hosting an early-type magnetic star.

HD 66051  
HD 69662  
HD 79408  
HD 86588

(see V414 Pup)  
*Griffin, R.F.* 2018, Observatory 138, 116. (2a, 5d) SB1.  
*Griffin, R.F.* 2018, Observatory 138, 162. (2a, 5d) SB1.  
*Tokovinin, A. et al.* (8 authors) 2018, AJ 156, 120. (2ao, 4a, 5de, 8c) Hierarchical quadruple with closest pair eccentric.

HD 114520

*Griffin, R.F.* 2018, Observatory 138, 59. (2a, 5d) Also HD 2454 found to have constant velocity, HD15306 found to be slowly varying, possibly due to very long-period orbital motion.

HD 156324

*Shultz, M. et al.* (5 authors) 2018, MNRAS, 475, 839. (2ao, 3bo, 5bdegk, 8b) A tidally locked magnetic triple SB with a disrupted magnetosphere.

HD 180757

*Catanzaro, G. et al.* (8 authors) 2018, MNRAS 477, 2020. (1ao, 2ac, 5cdeg) An ellipsoidal variable in a close SB1 system.

HD 204236

*Masda, S.G., Al-Wardat, M.A., Pathan, J.K.M.K.* 2018, RAA 18, 72. (1ao, 5e) Physical and geometrical parameters of the close visual binary system.

HD 206267A

*Raucq, F. et al.* (4 authors) 2018, A&A 614, A60. (2ao, 5dek) Fundamental parameters of massive CB in multiple system.

HD 259440

*Barkov, M., Bosch-Ramon, V.* 2018, MNRAS 479, 1320. (1gr, 5g, 8a) A hydrodynamics-informed radiation model.

HD 259440  
(HESS J0632+057)

*Moritani, Y. et al.* (7 authors) 2018, PASJ 70, 61. (1x, 2a, 5bdeij) Orbital solution leading to an acceptable interpretation for the enigmatic  $\gamma$ -ray binary.

BD–00°2862

*Dimitrov, W.* (5 authors) 2018, AcA 68, 269. (2a, 5b) Possible multiplicity.

CPD –63°2495  
(PSR B1259–63)  
(LS 2883)

*Koralewska, O., Kijak, J., Lewandowski, W.* 2018, Ap&SS 363, 141. (2r, 8b) Modelling thermal absorption and radio spectra of the binary PSR.  
*Tam, P.H.T. et al.* (4 authors) 2018, ApJ 862, 165. (1g, 2g) Hour-timescale GeV flares.  
*Yi, S.-X., Cheng, K.S.* 2018, MNRAS, 476, 766. (8abd) Propeller torque from the transient AD suggests that angular momentum transfer is very weak.

## Objects with names including RA and DEC

AX J0049.4–7323	<i>Ducci, L. et al.</i> (6 authors) 2018, A&A 614, A34. (2doux, 5i) Long-term variability in the HMXB X-ray emission.
OGLE J005039.05–726761.4	<i>Mennickent, R.E. et al.</i> (5 authors) 2018, PASP 30, 094204. (1ao, 3a) Peculiar interacting Be-star binary in the SMC.
2MASS J00520563–7226042 (SMC X-3)	<i>Koliopanos, F., Vasilopoulos, G.</i> 2018, A&A 614, A23. (2dx, 5i) HMXB 1916 outburst: accreting, highly magnetized NS at the Eddington limit. <i>Zhao, H.-H. et al.</i> (5 authors) 2018, Ap&SS 363, 21. (1ax, 2cx) Pulse phase-resolved analysis of the HMXB during its 2016-2017 super-Eddington outburst.
Swift J0243.6+6124	<i>Doroshenko, V., Tsygankov, S., Santangelo, A.</i> 2018, A&A 613, A19. (2dg, 5ij) Orbit and spin-up of the newly discovered transient X-ray PSR. <i>Wilson-Hodge, C.A. et al.</i> (22 authors) 2018, ApJ 863, 9. (1x, 2x) The first galactic ultraluminous X-ray PSR.
PSR J0337+1715	<i>Archibald, A.M. et al.</i> (9 authors) 2018, Nature 559, 73. (4cr) Universality of free fall from the orbital motion of the PSR in a stellar triple system.
CRTS J035905.9+175034	<i>Littlefield, C. et al.</i> (5 authors) 2018, AJ 155, 232. (1ao, 2ado, 5gij) Outbursts and humps in short-period, large mass-ratio SU UMa system.
PSR J0437–4715	<i>Zhao, C.-S. et al.</i> (4 authors) 2018, ChAA 42, 291. (1r, 5b) Analysis of the precision of the PSR time clock model.
3XMM 051034.6–670353	<i>Ramsay, G. et al.</i> (7 authors) 2018, A&A 617, A88. (1ao, 5e) Detection of a 23.6 min periodic modulation in the optical counterpart.
XMMU J053108.3–690923	<i>Vasilopoulos, G. et al.</i> (5 authors) 2018, MNRAS, 475, 220. (1aox, 2abcox, 5bi) Identification of a new HMXB in the LMC.
1RXS J053246.1–662203 (LMC X-4)	<i>McKinley, C.B. et al.</i> (9 authors) 2018, ApJ 861, L7. (1x) Pulsation dropout and turn-on during the high state. <i>Shtykovsky, A.E. et al.</i> (4 authors) 2018, AstL 44, 149. (1x) Peculiarities of super-Eddington flares from the X-ray PSR based on NuSTAR data.
XMMU J053320.8–684122	<i>Vasilopoulos, G. et al.</i> (5 authors) 2018, MNRAS, 475, 220. (1aox, 2abcox, 5bi) Identification of a new HMXB in the LMC.
2MASS J06041743–1009236 (TYC 5353-1137-1)	<i>Rosales, J.A., Mennickent, R.E.</i> 2018, IBVS 6248. (1a) Doubly periodic variable of semiregular amplitude.
IGR J06074+2205	<i>Reig, P., Zezas, A.</i> 2018, A&A 613, A52. (2dx, 5i) Discovery of X-ray pulsations in the HMXB.
4U 0614+09	(see V1055 Ori)
HESS J0632+057	(see HD 259440)
2MASS J06354622+1928280 (EPIC 2020733314)	<i>Sriram, K. et al.</i> (4 authors) 2018, AJ 155, 172. (1ao, 5ab) Light-time effect suggests third body in low mass-ratio deep contact system.
PSR J0636+5128	<i>Drachis, P., Romani, R.W.</i> 2018, ApJ 862, L6. (1ao*i*, 5c) Possesses a heated companion in a tight orbit. <i>Kaplan, D.L. et al.</i> (5 authors) 2018, ApJ 864, 15. (1i, 2o, 5c) A dense companion for the millisecond PSR.
2MASS J06404718–8815211 (CSTAR 57775)	<i>Liu, N. et al.</i> (13 authors) 2018, AJ 155, 168. (1ao, 2a, 5abcde) W UMa star near the SCP observed photometrically from Antarctica.
2MASS J06422218–0226285	<i>Blex, S. et al.</i> (6 authors) 2018, IBVS 6240. (1aio) New outburst source.
2MASS J07425720+4659186	<i>Harris, H.C. et al.</i> (11 authors) 2018, AJ 155, 252. (4ao) Dwarf carbon star in astrometric binary with semimajor axis consistent with size of an AGB mass-transfer donor star.

2MASS J07435276–8907369 (CSTAR 55495) PSR B0833–45	<i>Liu, N. et al.</i> (13 authors) 2018, AJ 155, 168. (1ao, 2a, 5abcde) W UMa star near the SCP observed photometrically from Antarctica. (see HU Vel)
WOCS J0851372+114655 (WOCS 12009)	<i>Sandquist, E.L. et al.</i> (19 authors) 2018, AJ 155, 152. (1ao, 2a, 2a*, 5cde) Youthful primary of M67 EB may be merger product.
2MASS J09035917–8833075 (CSTAR 36162) SDSS J0926+3624	<i>Liu, N. et al.</i> (13 authors) 2018, AJ 155, 168. (1ao, 2a, 5abcde) W UMa star near the SCP observed photometrically from Antarctica. <i>Schindwein, W., Baptista, R.</i> 2018, MNRAS 478, 3841. (1ao, 5abcgi) AD mapping.
PSR J1023+0038 ASAS J102556+2049.3	(see AY Sex) <i>Kjurkchieva, D., Popov, V.A., Petrov, N.J.</i> 2018, AJ 156, 77. (1ao, 5abc) W UMa binary near lower mass-ratio limit.
XSS J12270–4859	<i>Rivera Sandoval, L.E. et al.</i> (10 authors) 2018, MNRAS, 476, 1086. (1u, 5ei, 8b) Mid-UV studies of transitional millisecond PSR.
XMMU J122939.9+075333	<i>Dage, K.C. et al.</i> (6 authors) 2018, ApJ 862, 108. (1x) Ultraluminous BH XB candidate.
2MASS J12501739+5231350 (NSVS 2669503) SDSS J125733.63+542850.5	<i>Lu, H. et al.</i> (4 authors) 2018, AJ 156, 88. (1ao, 2b, 5abc) W UMa system. <i>Jiang, L., Chen, W.-C., Li, X.-D.</i> 2018, MNRAS, 476, 109. (8acd) A strange dwarf scenario for the formation of a peculiar double WD binary.
PSR B1259–63 SNSS J130522.47–293113.0	(see CPD–63°2495) <i>Da Costa, G.S. et al.</i> (20 authors) 2018, MNRAS 477, 766. (1aio, 2c, 5cgi) A high-latitude stellar X-ray source with pc-scale outflow relics?
CXOM51 J132939.5+471244	<i>Urquhart, R. et al.</i> (8 authors) 2018, MNRAS, 475, 3561. (1aor, 2acdox, 6c) Multiband counterpart of an eclipsing ULX source in M51.
CXOM51 J132940.0+471237	<i>Urquhart, R. et al.</i> (8 authors) 2018, MNRAS, 475, 3561. (1aor, 2acdox, 6c) Multiband counterpart of an eclipsing ULX source in M51.
CXOM51 J132943.3+471135	<i>Wang, S. et al.</i> (4 authors) 2018, MNRAS 477, 3623. (1x, 5bcg) Discovery of eclipses and dips.
CXOM51 J132946.1+471042	<i>Wang, S. et al.</i> (4 authors) 2018, MNRAS 477, 3623. (1x, 5bcg) Discovery of eclipses and dips.
1SWASP J133417.80+394314.4 IGR J14257–6117	<i>Lu, H. et al.</i> (4 authors) 2018, AJ 156, 88. (1ao, 2b, 5abc) W UMa system. <i>Bernardini, F. et al.</i> (4 authors) 2018, MNRAS 478, 1185. (1gx, 5bcgi) Very strong X-ray orbital modulation.
MAXI J1535–571	<i>Mereminskiy, I.A. et al.</i> 4 authors 2018, AstL 44, 378. (1x, 5c) Low-frequency QPOs in the X-ray nova at the initial stage of its 2017 outburst.
MAXI J1535–571	<i>Miller, J.M. et al.</i> (10 authors) 2018, ApJ 860, L28. (2x) Near-maximal BH spin and potential disk warping.
PSR J1618–3921	<i>Octau, F. et al.</i> (7 authors) 2018, A&A 612, A78. Radio pulse arrival time analysis of the recycled PSR in an eccentric orbit.
1SWASP J162117.36+441254.2	<i>Kimura, M. et al.</i> (38 authors) 2018, PASJ 70, 78. (1ao, 5ci) Long-period dwarf nova with rare and low-amplitude outbursts.
2MASS J16223288+4237538	<i>Harris, H.C. et al.</i> (11 authors) 2018, AJ 155, 252. (4ao) Dwarf carbon star in astrometric binary with semimajor axis consistent with size of an AGB mass-transfer donor star.

2MASS J16240913+4821112 (Gliese 623) *Shakht, N.A., Gorshanov, D.L., Visilkova, O.O.* 2018, RAA 18, 94. (1ao, 4a, 5e) The mass of the SB in the Pulkovo program estimated by means of astrometry methods.

IGR J16318–4848 *Aharonian, F. et al. (Hitomi Collaboration)* (193 authors) 2018, PASJ 70, 17. (2cdx, 5gi) Glimpse of the highly obscured HMXB with Hitomi.

4U 1636–536 (see V801 Ara)

MAXI J1659–152 *Corral-Santana, J.M. et al.* (16 authors) 2018, MNRAS, 475, 1036. (1aoi, 5bc) Five year optical and near-IR monitoring of a BH binary candidate.

4U 1705–44 *Agrawal, V.K. et al.* (4 authors) 2018, MNRAS 477, 5437. (1x, 5cgi) Spectral and timing properties.

*Phillipson, R.A., Boyd, P.T., Smale, A.P.* 2018, MNRAS 477, 5220. (1x, 5cgi) The chaotic long-term X-ray variability.

IGR J17062–6143 *Strohmayr, T.E. et al.* (20 authors) 2018, ApJL 858, L13. (2dx, 5dei) Ultracompact orbit for accreting millisecond PSR.

*van den Eijnden, J. et al.* (13 authors) 2018, MNRAS, 475, 2027. (1x, 2x, 5j, 8bd) A very faint LMXB with a truncated disc, no pulsations, and possible outflow.

IGR J17091–3624 *Maselli, A. et al.* (6 authors) 2018, A&A 612, A33. (2dx, 5i) Energy scaling of the “heartbeat” pulse width of the LMXB from Rossi-XTE observations.

*Radhika, D. et al.* (5 authors) 2018, Ap&SS 363, 189. (1x, 2x, 5i) Broad-band spectral evolution and temporal variability during the 2016 outburst observed with SWIFT and NuSTAR.

IGR J17091–3642 *Wang, et al.* (6 authors) 2018, MNRAS 478, 4837. (1gx, 5cgi) Analysis of NuSTAR and Swift observations.

XTE J1710–281 *Gayathri, R., Chandreyee, M., Biswajit, P.* 2018, MNRAS 477, 5358. (1x\*, 5bcg) Observation of variable pre-eclipse dips and disc winds.

GRS 1724–308 *Tarana, A., Capitanio, F., Cocchi, M.* 2018, MNRAS 477, 3353. (1x\*, 5bcg) The 2004-2012 X-ray history.

4U 1728–34 *Bhattacharyya, S. et al.* (11 authors) 2018, ApJ 860, 88. (1x) Effects of X-ray bursts on non-burst emissions in the soft state.

MXB 1730–335 *Maselli, A. et al.* (6 authors) 2018, A&A 612, A33. (2dx, 5i) Energy scaling of the “heartbeat” pulse width of the LMXB from RXTE observations.

IGR J17329–2731 *Bozzo, E. et al.* (13 authors) 2018, A&A 613, A22. (2dox, 5i) The birth of a symbiotic XB.

GRS 1739–278 (see V2606 Oph)

CSS130418 J174033+414756 *Imada, A. et al.* (4 authors) 2018, PASJ 70, 79. (1ao, 5i) OAO/MITSuME photometry of the dwarf nova.

AX J1745.6–2901 *Jin, C. et al.* (5 authors) 2018, MNRAS 477, 3480. (1x\*, 5cg, 8a) Effects of interstellar dust scattering on the X-ray eclipses.

EXO J1745–248 *Sandoval, L.E.R. et al.* (12 authors) 2018, MNRAS 479, 2777. (1x, 5cg) Extreme quiescent variability.

GRS 1747–312 *Vats, S. et al.* (6 authors) 2018, MNRAS 477, 2494. (1x\*, 5cgi) A study of the quiescent state.

SAX J1748.9–2021 *Wu, Z. et al.* (5 authors) 2018, Ap&SS 363, 146. (1x, 5i) The X-ray bursts within the 2010 outburst of the accreting millisecond X-ray PSR.

XMMU J1750352–293557 *Hofmann, F. et al.* (4 authors) 2018, A&A 615, L7. (1x, 2x, 5e) New transient Galactic bulge IP candidate.

XTE J1751–305	<i>Chirenti, C., Jasiulek, M.</i> 2018, MNRAS, 476, 354. (8a) Mass-Radius estimate for LMXB NS with possible r-mode frequencies detected.
XTE J1752–223	<i>Garcia, J.A. et al.</i> (10 authors) 2018, ApJ 864, 25. (1x*, 2x*) Reflection spectroscopy of the BH binary in the hard state.
Swift J1756.9–2508	<i>Bult, P. et al.</i> 2018, ApJ 864, 14. (1x) 2018 outburst of the accreting millisecond X-ray PSR.
1RXS J180408.9–342058	<i>Parikh, A.S. et al.</i> (5 authors) 2018, MNRAS, 476, 2230. (1x, 2x, 5i) Constraints on NS crustal properties in the LMXB.
SAX J1808.4–3658	(see V4580 Sgr)
SAX J1810.8–2609	(see V4722 Sgr)
4U 1820–30	<i>Keek, L. et al.</i> (16 authors) 2018, ApJL 856, L37. (2dx) Photospheric expansion during a Type I X-ray burst.
GS 1826–24	(see V4634 Sgr)
3XMM J183333.1+225136	<i>Webb, N.A. et al.</i> (5 authors) 2018, A&A 615, A133. (1ao, 2ao, 5i) New magnetic CV discovered in the 3XMM catalogue.
3XMM J184916.1+652943	<i>Webb, N.A. et al.</i> (5 authors) 2018, A&A 615, A133. (1ao, 2ao, 5i) New magnetic CV discovered in the 3XMM catalogue.
2MASS J18590063–1715570	<i>Borkovits, T. et al.</i> (17 authors) 2018, MNRAS 478, 5135. (1ao, 2a, 5cdeg, 8a) A doubly eclipsing quadruple system.
2MASS J18591370+4605528	<i>Özdarcan, O. Yoldaş, E., Dal, H.A.</i> 2018, RMxAA 54, 37. (1ao*, 2abo, 5cdeg) Residuals from fit to Kepler LC indicate magnetic and flare activity and permit study of rotation.
XTE J1859+226	(see V406 Vul)
HETE J1900.1–2455	<i>Šimon, V.</i> 2018, MNRAS 477, 67. (1x, 5cgi) X-ray outbursts and high-state episodes.
PSR B1913+16	<i>Deller, A.T. et al.</i> (4 authors) 2018, ApJ 862, 139. (1r, 4a) Distance and transverse velocity.
GRS 1915+105	(see V1487 Aql)
2MASS J19174291+4438290 (KIC 8553788)	<i>Liakos, A.</i> 2018, A&A 616, A130. (1ao, 2abo, 5e) A pulsating Algol with an extreme mass ratio.
SDSS J192059.78+372220.0	<i>Schaffenroth, V. et al.</i> (7 authors) 2018, A&A 614, A77. (1ao, 2ao, 5cd, 6b) A new HW Vir system discovered by the MUCHFUSS photometric campaign.
2MASS J19291594+4637198	<i>Socia, Q.J. et al.</i> (8 authors) 2018, ApJ 864, L32. (1o) Further photometry negates the 2022 Red Nova merger prediction.
IGR J19294+1816	<i>Rodes-Roca, J.J. et al.</i> (5 authors) 2018, MNRAS, 476, 2110. (1io, 2bedi, 6cd) Identification of a $\gamma$ -ray source as a new Be XB with IR spectroscopy.
2MASS J19315429+4232516	<i>Brogaard, K. et al.</i> (15 authors) 2018, MNRAS 476, 3729. (1ao, 2a, 3b, 5acdeg) Precise properties from photometry and spectroscopy.
2MASS J19412099+4530173 (KIC 9163796)	<i>Beck, P.G. et al.</i> (13 authors) 2018, A&A 612, A22. (1ao, 2ao, 5cdek) Seismic probing of the first dredge-up event in the eccentric SB2. How different are red-giant stars with a mass ratio of $\approx 1.015$ ?
2MASS J19480815+4611544	<i>Brogaard, K. et al.</i> (15 authors) 2018, MNRAS 476, 3729. (1ao, 2a, 5acdeg) Precise properties from photometry and spectroscopy.
2MASS J19545035+4649589	<i>Brogaard, K. et al.</i> (15 authors) 2018, MNRAS 476, 3729. (1ao, 2a, 5acdeg) Precise properties from photometry and spectroscopy.
PSR B1957+20	(see QX Sge)

IPHASX J210204.7+471015	<i>Guerrero, M.A. et al.</i> (11 authors) 2018, ApJ 857, 80. (1ao, 2co) Classical nova shell around a CV system in quiescence.
PSR J2129–0429	<i>Kong, A.K.H. et al.</i> (6 authors) 2018, MNRAS 478, 3987. (1gx, 5bceg) Broad-band high-energy emissions.
2MASS J21493724–1138225	<i>Harris, H.C. et al.</i> (11 authors) 2018, AJ 155, 252. (4ao) Dwarf carbon star in astrometric binary with semimajor axis consistent with size of an AGB mass-transfer donor star.
PSR J2215+5135	<i>Linares, M., Shahbaz, T., Casares, J.</i> 2018, ApJ 859, 54. (1ao, 2c, 5ce) Masses of both stars; NS is massive.

---

### X-ray sources with constellation or galaxy names

Aql X-1	(see V1333 Aql)
Cen X-4	(see V822 Cen)
Cir X-1	(see BR Cir)
Cyg X-1	(see V1357 Cyg)
Cyg X-3	(see V1521 Cyg)
Sco X-1	(see V818 Sco)
Ser X-1	(see MM Ser)
47 Tuc X9	<i>Tudor, V. et al.</i> (20 authors) 2018, MNRAS, 476, 1889. (1uo, 2duo, 5egi, 8bcd) HST spectrum and timing analysis of an ultracompact XB.
Vel X-1	(see GP Vel)
IC 10 X-2	<i>Kwan, S. et al.</i> (8 authors) 2018, ApJ 856, 38. (1aio, 2ac) Stellar companion may be a luminous blue variable.
LMC X-4	(see 1RXS J053246.1–662203)
NGC 300 ULX-1	<i>Binder, B., Levesque, E.M., Dorn-Wallenstein, T.</i> 2018, ApJ 863, 141. (1x, 2ox) No strong geometric beaming in the ultraluminous NS binary.
SMC X-3	(see 2MASS J00520563–7226042)

---

### Objects with other designations

ASASSN-16dt	<i>Kimura, M. et al.</i> (16 authors) 2018, PASJ 70, 47. (1ao, 5i) Promising candidate period bouncer.
ASASSN-16hg	<i>Kimura, M. et al.</i> (16 authors) 2018, PASJ 70, 47. (1ao, 5i) Promising candidate period bouncer.
ASASSN-16kt	(see V407 Lup)
CSTAR 36162	(see 2MASS J09035917–8833075)
CSTAR 55495	(see 2MASS J07435276–8907369)
CSTAR 57775	(see 2MASS J06404718–8815211)
EPIC 2020733314	(see 2MASS J06354622+1928280)
EPIC 212235321	<i>Casewell, S.L. et al.</i> (12 authors) 2018, MNRAS, 476, 1405. (1ao, 2abcd, 5bcdeg, 6b, 8ac) Discovery of a non-interacting WD-BD system with period shorter than 70 min.
EPIC 219217635	(see 2MASS J18590063–1715570)

Gaia14aae	<i>Green, M.J. et al.</i> (22 authors) 2018, MNRAS, 476, 1663. (1a, 5abceij, 8bd) Identification of a new AM CVn binary.
Gliese 623	(see 2MASS J16240913+4821112)
GSC 02693-00926	<i>Khruslov, A.V.</i> 2018, PZ 38, No. 3. (1a, 5b) New doubly eclipsing system.
GSC 3870-01172	<i>Terrell, D., Nelson, R.H.</i> 2018, IBVS 6247. (1a, 2a, 5cd) Member of a triple or quadruple system.
GW170817 (GRB 170817A) (AT2017gfo)	<i>Ajello, M. et al.</i> (136 authors) 2018, ApJ 861, 85. (1g, 2g) $\gamma$ -ray observations of the binary NS merger. <i>Alexander, K.D. et al.</i> (20 authors) 2018, ApJ 863, L18. (1ox, 2x) X-ray through radio emission decline supports an off-axis structured jet. <i>Bromberg, O. et al.</i> (5 authors) 2018, MNRAS, 475, 2971. (8abd) Observational signature of a magnetic jet bracking out of the NS merger ejecta observed in $\gamma$ -rays. <i>Burgio, G.F. et al.</i> (5 authors) 2018, ApJ 860, 139. (8c) Are small radii of compact stars ruled out by GW170817/AT2017gfo? <i>Corsi, A. et al.</i> (11 authors) 2018, ApJ 861, L10. (1r) Upper limit on the linear polarization fraction of the radio continuum. <i>D'Avanzo, P. et al.</i> (15 authors) 2018, A&A 613, L1. (2dx) Evolution of the X-ray afterglow emission in XMM-Newton observations. <i>He, X.-B., Tam, P.-H.T., Shen, R.-F.</i> 2018, RAA 18, 43. (8a) A short $\gamma$ -ray burst seen off-axis. <i>Huang, Y., Li, Z.</i> 2018, ApJ 862, 162. (8) Constraining the ejecta for the nonthermal emission. <i>Li, S-Z. et al.</i> (4 authors) 2018, ApJ 861, L12. (1o*i*) What powered the optical transient? <i>Nynka, M. et al.</i> (4 authors) 2018, ApJ 862, L19, (1x, 2x) X-ray afterglow at 260 days. <i>Sugita, S. et al.</i> (8 authors) 2018, PASJ 70, 81. (1x, 5j) MAXI upper limits of the electromagnetic counterpart. <i>Tominaga, N. et al.</i> 2018, PASJ 70, 28. (1ao, 5j, 6c) Subaru Hyper Suprime-Cam survey for an optical counterpart. <i>Xie, X., Zrake, J., MacFadyen, A.</i> 2018, ApJ 863, 58. (8c) Jet dynamics and synchrotron radiation. <i>Yu, Y-W., Liu, L-D., Dai, Z-G.</i> 2018, ApJ 861, 114. (1x) A long-lived remnant NS inferred from the associated kilonova. <i>Zhu, Z-Y, Zhou, E-P., Li, A.</i> 2018, ApJ 862, 98. (7c, 8a) NS equation of state from the quark level.
GX 13+1	(see V5512 Sgr)
GX 339-4	(see V821 Ara)
HIP 105947	(see HD 204236)
Kepler-503b	<i>Caiñas, C.I. et al.</i> (13 authors) 2018, ApJ 861, L4. (1o, 2o) Kepler planet is in fact a brown dwarf/low-mass star.
KIC 7037405	(see 2MASS J19315429+4232516)
KIC 7599132	(see HD 180757)
KIC 8553788	(see 2MASS J19174291+4438290)
KIC 9163796	(see 2MASS J19412099+4530173)
KIC 9540226	(see 2MASS J19480815+4611544)
KIC 9832227	(see 2MASS J19291594+4637198)
KIC 9970396	(see 2MASS J19545035+4649589)

LS 2883	(see CPD–63°2495)
LS I +61°303	(see V615 Cas)
NGC 7793 P13	<i>Fürst, F. et al.</i> (13 authors) 2018, A&A 616, A186. (1x, 5b) Orbital ephemeris of the super-Eddington PSR.
Nova Sgr 2015b	(see V5668 Sgr)
Nova Sco 2014	(see V1534 Sco)
Nova SMC 2016	<i>Orio, M. et al.</i> (20 authors) 2018, ApJ 862, 164. (2x) X-ray grating spectra observations.
NSV 01286630	<i>Zhang, B. et al.</i> (6 authors) 2018, RAA 18, 116. (1ao, 5abceg) Detached binary with a close-in companion.
NSVS 2669503	(see 2MASS J12501739+5231350)
OGLE-LMC-ECL-15674	<i>Hong, K. et al.</i> (10 authors) 2018, PASP 130, 054204. (1ao, 5cf) A pair of EBs in the LMC, one showing fast apsidal motion.
OGLE-LMC-ECL-22159	<i>Hong, K. et al.</i> (10 authors) 2018, PASP 130, 054204. (1ao, 5cf) A pair of EBs in the LMC.
SMP LMC 88	<i>Ilkiewicz, K. et al.</i> (5 authors) 2018, MNRAS, 476, 2605. (1ao, 2acdo, 5gj, 6b) Identification of a D'-type symbiotic in a PN.
SN 2001ig	<i>Ryder, S.D. et al.</i> (11 authors) 2018, ApJ 856, 83. (1ao, 2cu) Detection of the surviving companion.
SS433	(see V1343 Aql)
TYC 5353-1137-1	(see 2MASS J06041743–1009236)
USNO-A2.0 0525-40560552	<i>Panov, D., Denisenko, D.V.</i> 2018, PZ 38, No. 2. (1a, 5b) New eclipsing CV candidate in the period gap.
USNO-B1.0 1452-0049820	<i>Kjurkchieva, D., Popov, V.A., Petrov, N.J.</i> 2018, AJ 156, 77. (1ao, 5abc) W UMa binary near lower mass-ratio limit.
USNO-B1.0 1587-0201409	<i>Khruslov, A.V.</i> 2018, PZ 38, No. 3. (1a, 5b) New doubly eclipsing system.
WOCS 12009	(see WOCS J0851372+114655)

## General

*Beloni, D. et al.* (7 authors) 2018, MNRAS 478, 5626. No cataclysmic variables missing: higher merger rate brings into agreement observed and predicted space densities.

*Brown, R.O. et al.* (4 authors) 2018, MNRAS 477, 4810. Simulating the X-ray luminosity of Be XBs: the case for BH versus NSs.

*Chen, Z-C., Huang, Q-G.* 2018, ApJ 864, 61. (9) Merger rate distribution of primordial BH binaries.

*Cherepashchuk, A.M.* 2018, ARep 62, 567. (5,8) WR+OB binary systems: observational evidence of their formation as a result of mass exchange.

*Chitnis, V.* 2018, JApA 39, 43. (1ao, 6c, 7a) Very high energy  $\gamma$ -ray astronomy with the HAGAR telescope array (energy threshold of 200 GeV to observe PSRs).

*Christodoulou, D.M., Laycock, S.G.T., Kazanas, D.* 2018, MNRAS 478, 3506. Not an oxymoron: some X-ray binary PSRs with enormous spin-up rates reveal weak magnetic fields.



- Croon, D. et al.* (5 authors) 2018, ApJL 858, L2. (8) Gravitational waves from NS binaries as probes of waveforms from ultralight gauge bosons.
- Cui, X., Meng, X.-C., Han, Z.-W.* 2018, RAA 18, 58. H and He shell burning during WD accretion.
- Dai, F. et al.* (6 authors) 2018, AJ 155, 177. Stellar obliquity and magnetic activity for EBs and planet-hosting stars.
- Dalessandro, E. et al.* (12 authors) 2018, ApJ 864, 33. (2o\*, 8c, 9) The unexpected kinematics of multiple populations in globular cluster NGC 6362: do binaries play a role?
- de Burgo, C., Priesto, C.A.* 2018, MNRAS 479, 1953. Testing models of stellar structure and evolution I. Comparison with detached EBs.
- Del Pozo, W., Sesana, A., Klein, A.* 2018, MNRAS, 475, 3485. (8) Stellar BH binaries as cosmological sirens for LISA.
- Dutta, S. et al.* (6 authors) 2018, MNRAS, 476, 2813. (1ao, 6bd) Optical photometric variable stars towards the Galactic H II region NGC 2282. (Identification of an EB).
- Eghdami, I., Panahi, H., Movahed, S.M.S.* 2018, ApJ 864, 162. (8cd, 9) Multifractal analysis of PSR timing residuals: gravitational wave detection.
- Fadeev, E.* 2018, RAA 18, 103. Uncertainty in measurements of the distances of scattering screens in PSR observations.
- Figueira, J. et al.* (6 authors) 2018, A&A 613, A8. (8ad) Three-dimensional simulations of the interaction between nova ejecta, AD, and companion star.
- Fragione, G., Gualandris, A.* 2018, MNRAS, 475, 4986. (8ad) Tidal breakup of triple stars in the Galactic Centre.
- Generozov, A. et al.* (4 authors) 2018, MNRAS 478, 4030. An overabundance of BH XBs in the Galactic Centre from tidal captures.
- Giesler, M., Clausen, D., Ott, C.* 2018, MNRAS 477, 1853. LMXBs from BH-retaining globular clusters.
- Griffiths, D.W., Goodwin, S.P., Caballero-Nieves, S.M.* 2018, MNRAS, 476, 2493. (8a) Massive, wide binaries as tracers of massive star formation.
- Hailey, C.J. et al.* (6 authors) 2018, Nature 556, 70. (2dx) A density cusp of quiescent LMXBs in the central parsec of the Galaxy.
- Hanauske, M., Bovard, L.* 2018, JApA 39, 45. NS mergers in the context of the hadron-quark phase transition.
- Harrison, T.E.* 2018, 861, 102. (1i, 2i, 8d) The identification of H-deficient CVs.
- Horvat, M. et al.* (7 authors) 2018, ApJS 237, 26. (7d) Physics of EBs. III. Spin-orbit misalignment.

*Huang, Y. et al.* (8 authors) 2018, AJ 156, 90. New catalogue of RV-constant stars from APOGEE data used to find zero-points of RAVE, LAMOST and Gaia-RV surveys.

*Huttlukejiang, B. et al.* (4 authors) 2018, JApA 39, 21. Formation of Thorne-Żytkow objects in CBs.

*Imara, N., Di Stefano, R.* 2018, ApJ 859, 40. (7d) Searching for exoplanets around XBs with accreting WDs, NSs, and BHs.

*Isakova, P.B., Zhilkin, A.G., Bisikalo, D.V.* 2018, ARep 62, 492. (8ad) Features of the flow structure in the vicinity of the inner Lagrangian point in polars.

*Ishii, A., Shigeyama, T., Tanaka, M.* 2018, Apj 861, 25. (8d) Free neutron ejection from shock breakout in binary NS mergers.

*Kobayashi, H. et al.* (7 authors) 2018, PASJ 70, 22. Three-dimensional structure of clumpy outflow from supercritical accretion flow onto BHs.

*Kumar, T., Lal, A.K., Pathania, A.* 2018, RAA 18, 63. Effects of rotation and tidal distortions on the shapes of RV curves of polytropic models of pulsating variable stars.

*Lau, R. et al.* (16 authors) 2018, ApJ 859, 62. (8a) Nuclear reactions in crusts of accreting NSs.

*Liu, B., Lai, D.* 2018, ApJ 863, 68. (8c) BH and NS binary mergers in triple systems: merger fraction and spin-orbit misalignment.

*Liu, D. et al.* (5 authors) 2018, MNRAS 477, 384. Evolving ONe WD+He star systems to intermediate-mass binary PSRs.

*Liu, Z.-W., Stancliffe, R.J.* 2018, MNRAS, 475, 5257. (8ac) Rates and delay times of type-Ia SNe in the He-enriched main-sequence donor scenario.

*Li, X., Jing, Y., Liao, S.* 2018, PASJ 70, 64. Over a thousand new periodic orbits of a planar three-body system with unequal masses.

*Lynch, R. et al.* (5 authors) 2018, ApJ 861, L24. (8cd, 9) Lowering the LIGO-Virgo merger detection threshold.

*MacLeod, M., Ostriker, E.C., Stone, J.M.* 2018, ApJ 863, 5. (8cd) Runaway coalescence at the onset of common envelope episodes.

*Malov, I.F., Timirkeeva, M.A.* 2018, RAA 18, 89. Radio PSRs with expected  $\gamma$  radiation and  $\gamma$ -ray PSRs as pulsating radio emitters.

*Maoz, D., Hallakoun, N., Badenes, C.* 2018, MNRAS, 476, 2584. (9) Improved constraints on the separation distribution and merger rate of double WDs.

*Ma, P.-X. et al.* (6 authors) 2018, ApJ 858, 74. (8c) The fate of remnants formed in NS mergers.

*Martin, P. et al.* (5 authors) 2018, A&A 612, A38. (8ab)  $\gamma$ -ray emission from internal shocks in novae.

*Martin, R.G., Lubow, S.H.* 2018, MNRAS 479, 1297. Polar alignment of a protoplanetary disc around an eccentric binary - II. Effect of binary and disc parameters.

- Mendes, C. et al.* (6 authors) 2018, MNRAS, 475, 2178. (8) Magnetic field decay in black widow PSRs.
- Middleton, M.J. et al.* (14 authors) 2018, MNRAS, 475, 154. (8) Lense-Thirring precession in ULXs as a possible means to constrain the NS equation of state.
- Mylläri, A. et al.* (4 authors) 2018, MNRAS, 476, 830. (8a) Stability of hierarchical triples. I. Dependence on inner eccentricity and inclination.
- Nomoto, K., Leung, S.-C.* 2018, Space Sci. Rev. 214, 67. Single degenerate models for type Ia SN: progenitor's evolution and nucleosynthesis yields.
- Oskinova, L.M., Bulik, T., Gómez-Morán, A.N.* 2018, A&A 613, L10. (8c, 9) IR outbursts as potential tracers of common-envelope events in HMXB formation.
- Panov, I.V. et al.* 4 authors 2018, AstL 44, 309. (8c) Nucleosynthesis during a thermonuclear SN explosion.
- Pashchenko, I.N., Sokolovsky, K., Gavras, P.* 2018, MNRAS, 475, 2326. (7d, 9) Machine learning search for variable stars (including EBs).
- Poutanen, J., Veledina, A., Zdziarski, A.A.* 2018, A&A 614, A79. (8ad) Doughnut strikes sandwich: the geometry of hot medium in accreting BH XBs.
- Qin, Y. et al.* (6 authors) 2018, A&A 616, A28. (8acd) The spin of the second-born BH in coalescing binary BHs.
- Randall, L., Xianyu, Z.-Z.* 2018, ApJ 864, 134. (8cd, 9) An analytical portrait of binary mergers in hierarchical triple systems.
- Reeve, D., Howarth, I.D.* 2018, MNRAS 478, 3133. Are the O stars in WR+O binaries exceptionally rapid rotators?
- Rodriguez, C.L., Antonini, F.* 2018, ApJ 863, 7. (8c) A triple origin for the heavy and low-spin binary BHs detected by LIGO/VIRGO.
- Röpke, F.K., Sim, S.A.* 2018, Space Sci. Rev. 214, 72. Models for type Ia SN and related astrophysical transients.
- Rosswog, S. et al.* (8 authors) 2018, A&A 615, A132. (8bc) The first direct double NS merger detection: implications for cosmic nucleosynthesis.
- Saleem, M. et al.* (5 authors) 2018, MNRAS, 475, 699. (8, 9) Rates of short-GRB afterglows in association with binary NS mergers.
- Samsing, J., Ilan, T.* 2018, MNRAS, 476, 1548. (8a) Topology of BH binary-single interactions.
- Seto, N.* 2018, MNRAS, 475, 1392. (8a) Orbital synchronization capture of two binaries emitting gravitational waves.
- Shultz, M.E. et al.* (8 authors) 2018, MNRAS, 475, 5144. (1ao, 2ao, 3b) The magnetic early B-type stars: magnetometry and rotation. (Includes CBs.)

- Siegel, D.M., Metzger, B.D.* 2018, ApJ 858, 52. (8bc) Simulation of ADs from NS mergers.
- Stevens, D.J., Gaudi, B.S., Stassun, K.G.* 2018, ApJ 862, 53. (7d) Measuring model-independent masses and radii of single-lined EBs: analytic precision estimates.
- Sun, M., Arras, P.* 2018, ApJ 858, 14. (8c) Formation of extremely low-mass WD binaries.
- Tamborra, F. et al.* (4 authors) 2018, MNRAS, 475, 2045. (8) On the high energy cut-off of accreting sources: is general relativity important?
- Tan, W.-W., Fan, X.-L., Wang, F.Y.* 2018, MNRAS, 475, 1331. (8) Short  $\gamma$ -ray bursts and gravitational-wave observations from eccentric compact binaries.
- Tian, Z.-J. et al.* 2018, RAA 18, 52. Binary star fractions from the LAMOST DR4.
- Torres, S. et al.* (4 authors) 2018, MNRAS, 476, 1654. (9) The population of single and binary WDs of the Galactic bulge.
- Troyer, J.S. et al.* (4 authors) 2018, ApJ 860, 167. (1x\*, 2x\*, 9) Analysis of kHz QPOs in the Rossi X-ray Timing Explorer archive.
- Vick, M., Lai, D.* 2018, MNRAS, 476, 482. (8acd) Dynamical tides in highly eccentric binaries: chaos, dissipation, and quasi-steady state.
- Wang, B.* 2018, RAA 18, 49. Mass-accreting WDs and type Ia SNe.
- Wang, Y.-H. et al.* (4 authors) 2018, MNRAS, 475, 4595. (8d) The fate of close encounters between binary stars and binary supermassive BHs.
- Wilkins, D.R.* 2018, MNRAS, 475, 748. (8b) On the illumination of NS ADs.
- Woan, G. et al.* (5 authors) 2018, ApJ 863, L40. (1r\*) Evidence for a minimum ellipticity in millisecond PSRs.
- Woods, T.E. et al.* (4 authors) 2018, ApJ 863, 120. (8c) Balmer-dominated shocks exclude hot progenitors for many Type Ia SNe.
- Wu, X.-J., Yuan, Y.-F.* 2018, MNRAS 479, 1569. Double tidal disruption events in massive BH binaries.
- Xiong, X., Liu, L., Qian, S.-B.* 2018, RAA 18, 55. Investigations into the thermal non-equilibrium of W UMa-type contact binaries.
- Xu, X.-T., Li, X.-D.* 2018, ApJ 859, 46. (8bc) Circumbinary disk model for rapid orbital shrinkage in LMXBs.
- Yamaguchi, M.S. et al.* (4 authors) 2018, ApJ 861, 21. (8c, 9) Detecting BH binaries with Gaia.
- Yamasaki, S., Totani, T., Kiuchi, K.* 2018, PASJ 70, 39. Repeating and non-repeating fast radio bursts from binary NS mergers.

*Yamauchi, S. et al.* (6 authors) 2018, PASJ 70, 82. Origin of the low-temperature plasma in the Galactic center X-ray emission.

*Yang, H., East, W.E., Lehner, L.* 2018, ApJ 856, 110. (8ac) The difficulty of distinguishing low-mass BHs in NS binaries.

*Yang, Q. et al.* (5 authors) 2018, RAA 18, 65. An axion-like scalar field effect on binary BH mergers.

*Yang, W.* 2018, ApJ 860, 132. (8c, 9) The effects of binary stars on the color-magnitude diagrams of young-age massive star clusters.

*Yi, S.-X., Cheng, K.S., Taam, R.E.* 2018, ApJL 859, L25. (8bc) The growth of stellar mass BH binaries trapped in AGN ADs.

*Yi, T. et al.* (6 authors) 2018, MNRAS, 476, 683. (8bd) Compact binary merger and kilonova: outflows from remnant disc.

*Zanazzi, J.J., Lai, D.* 2018, MNRAS 477, 5207. Effects of disc warping on the inclination evolution of star-disc-binary systems.

## Collections of data

*Bailey III, J.I. et al.* (5 authors) 2018, MNRAS, 475, 1609. (2aco, 5bdeghk, 6b) Discovery of new binaries in open clusters NGC 2516 (40 SBs) and NGC 2422 (22 SBs) in a RV survey.

*Bulut, I.* 2018, IBVS 6250. (5a) Times of minima of eccentric orbit EBs in the Kepler field II: KIC 4932691, KIC 5986209, KIC 6841577, KIC 8378922, KIC 8610483, KIC 12217907.

*Chaturvedi, P. et al.* (5 authors) 2018, AJ 156, 27. (1ao, 2ado, 5abcdeg) EBs with secondaries of very low mass: HD 24465, HD 205403, BD+16°1847 (EPIC 211682657), BD+18°4748 (SAO 106989).

*Chen, X. et al.* (5 authors) 2018, ApJ 859, 140. (1aio) Period-luminosity relations for W UMa binaries based on *Gaia* DR1: 8% distance accuracy.

*Cracco, V. et al.* (6 authors) 2018, ApJ 862, 167. (1x, 2ox) Supersoft X-ray sources identified with Be binaries in the Magellanic Clouds: XMMU J010147.5–715550, Suzaku J0105–72, MAXI J0158–744, XMMU J052016.0–692505.

*Cruz, P. et al.* (6 authors) 2018, MNRAS 476, 5253. (1ai, 2a, 5cdeg) Low-mass EBs in the WFCAM Transit Survey: 17e-3-02003, 17h-4-01429, 19c-3-08647, 19f-4-05194, 19g-2-08064.

*El-Badry, K. et al.* (10 authors) 2018, MNRAS, 476, 528. (2i, 5bdegk, 6ab) Discovery and characterization of 3000+ main-sequence APOGEE binaries, with orbits for 64 systems, including 14 triples.

*Fekel, F.C. et al.* (4 authors) 2018, AJ 156, 117. (2ao, 4b\*, 5de) RVs and spectroscopic orbits for SB1s and SB2s, some combined with Hipparcos astrometry or ground-based interferometry: HD 4935 (SB2), HD 10307, HD 14802 (interferometry), HD 50380 (astrometry), HD 64427, HD 134323, HD 142640 (triple system), HD 152311, HD 160933 (astrometry), HD 161163 (SB2, astrometry) HD 188376, HD 196815 (SB2), HD 225239.

*Gorynya, N.A., Tokovinin, A.* 2018, MNRAS, 475, 1375. (2a, 5bde) Spectroscopic orbits of nearby solar-type dwarfs: HIP 12144, HIP 17895, HIP 27970, HIP 32329, HIP 38636, HIP 39072, HIP 40479, HIP 43004, HIP 73700, HIP 79234, HIP 84696, HIP 92140, HIP 88656, HIP 104514, HIP 112222, HIP 5276, HIP 21443, HIP 28678, HIP 41214, HIP 17895.

*Han, X.L. et al.* (8 authors) 2018, RAA 18, 68. (1ao, 2bco, 5cij, 6ab) CVs based on the stellar spectral survey LAMOST DR3. Spectroscopic parameters for HQ And, PX And, IO And, IW And, CW Cam, OV Tau, V1209 Tau, RW Tri, TT Tri, TW Tri, TX Tri, LAMOST J002148.44+350451.1, J002148.45+350451.1, J002148.45+350451.2, J002148.45+350451.2, 2MASS J01095921+2801244, CRTS J014305+263833, 2MASS J04132921+3116279, CRTS J042112.1+162616, 2MASS J05181432+2941130, SDSS J052602.79+285121.3, NSV 1725. Photometric follow-up of PX And, UU Aqr, BP Lyn, RW Tri, TT Tri.

*Hui, C.Y. et al.* (5 authors) 2018, ApJ 864, 30. (1x, 2x) Orbital properties of millisecond PSR binaries with He WD (58 systems) or CO/ONeMg WD (25 systems) companions.

*Jennings, R.J. et al.* (5 authors) 2018, ApJ 854, 26. (1o, 2o, 4a) Binary PSR distances and velocities for 155 sources from Gaia DR2.

*Joshi, B.C. et al.* (19 authors) 2018, JApA 39, 51. (1r, 5bi, 7ad) Precision PSR timing with the Ooty Radio Telescope and the Giant Meterwave Radio Telescope and its applications in PSR astrophysics: PSR B0531+21, PSR B0740-28, PSR B0833-45, PSR J1713+0747, PSR J1857+0943, PSR J1909-3744, PSR J2145-0750.

*Jurkic, T., Kotnik-Karuzza, D.* 2018, AstL 44, 265. (5c, 8b) Dust around the cool component of D-type symbiotic binaries: R Aqr, V366 Car, V835 Cen, o Cet, RX Pup, HM Sge, RR Tel, KM Vel.

*Katoh, N., Itoh, Y., Sato, B.* 2018, PASJ 70, 60. (2ao, 5bde) Search for companions in visual binary systems using precise RV measurements: 31 Dra A, 31 Dra B, 27 Hya (HD 80586), n Pup A (HD 60584), HD 203857.

*Kazantsev, A.N., Potapov, V.A.* 2018, RAA 18, 97. (1r, 5gij) Search for giant pulses of radio PSRs at frequency 111 MHz with the Large Phased Array radio telescope: PSR B0301+19, B0320+39, B0329+54, B0809+74, B0950+08, B1112+50, B1133+16, B1237+25.

*Kjurkchieva, D.P. et al.* (4 authors) 2018, RAA 18, 46. (1ao, 5co) Observations and LC solutions of a selection of mid-contact W UMa binaries: MM Com, MM Peg, 2MASS J07163891+5000568 (NSVS 4665041), 2MASS J07453936+5012257 (NSVS 4751449), 2MASS J16274415+5645592 (T-Dra0-00959), 2MASS J20355082+5242136 (GSC 03950-00707), NSVS 4340949, NSVS 4803568.

*Kong, X.M. et al.* (9 authors) 2018, MNRAS, 476, 724. (2co, 5h) Chemical abundances of primaries in Sirius-like binary systems: HR 1608, HR 5692, HD 13611, HD 26965, HD 39570, HD 202109, HD 218356, BD+80°670, BD+71°380, BD+68°1027, BD+39°539, BD+33°2834, BD+30°2592, BD+20°5125, BD+13°99, BD-00°4234, BD-01°343, BD-01°407, BD-01°469, BD-07°5906, RE J0702+129.

*Malofeev, V.M., Tyul'bashev, S.A.* 2018, RAA 18, 96. (1r, 5b, 6b) Investigation of 27 radio PSR emission features using power spectra.

*Martin, A.J. et al.* (9 authors) 2018, MNRAS, 475, 1521. (2o, 3bo) Searching magnetic fields in hot evolved stars:  $\gamma$  CMa, 15 Sgr, HD 42035, HR 3042.

*Nakagawa, Y., Ebisawa, K., Enoto, T.* 2018, PASJ 70, 32. (1ax, 5gi) Energy-dependent intensity variation of the persistent X-ray emission of magnetars observed with Suzaku: 4U 0142+614, Sgr 0501+4516, 1E 1048.1–5937, 1E 1547.0–5408, CXOU J164710.2–455216, 1RXS J170849.0–400910, Sgr 1806–20, Swift J1822.3–1606, Sgr 1833–0832, Sgr 1900+14, 1E 2259+586.

*Pagel, L.* 2018, IBVS 6244. (5a) BAV-Results - Photoelectric minima of selected EBs: RT And, WZ And, AA And, AB And, CN And, CP And, GK And, GP And, QW And, V0355 And, V0382 And, V0392 And, V0404 And, V0441 And, V0460 And, V0483 And, V0488 And, V0524 And, V0525 And, V0527 And, V0530 And, V0531 And, V0538 And, V0546 And, V0595 And, V0600 And, V0611 And, V0613 And, V0629 And, V0638 And, V0664 And, V0666 And, V0674 And, V0683 And, V0705 And, V0706 And, V0707 And, V0712 And, V0714 And, V0726 And, V0736 And, V0743 And, HS Aqr, V0351 Aqr, XZ Aql, KO Aql, KP Aql, V0343 Aql, V0415 Aql, V0417 Aql, V0609 Aql, V0699 Aql, V1331 Aql, V1353 Aql, V1426 Aql, V1430 Aql, V1455 Aql, V1461 Aql, V1747 Aql, V1796 Aql, V1808 Aql, V1814 Aql, V1817 Aql, V1825 Aql, V1826 Aql, BQ Ari, WW Aur, AP Aur, AR Aur, EP Aur, V0459 Aur, TU Boo, TZ Boo, UW Boo, VW Boo, XY Boo, ZZ Boo, AC Boo, AD Boo, AQ Boo, AR Boo, BW Boo, CK Boo, CV Boo, DU Boo, DV Boo, EF Boo, EL Boo, EM Boo, ET Boo, EW Boo, FP Boo, GG Boo, GH Boo, GK Boo, GN Boo, GP Boo, GT Boo, GV Boo, GW Boo, HW Boo, HH Boo, IK Boo, IN Boo, KP Boo, MN Boo, MQ Boo, MT Boo, MV Boo, MW Boo, NY Boo, OS Boo, PU Boo, QQ Boo, QW Boo, V0339 Boo, SV Cam, AK Cam, AL Cam, AY Cam, AZ Cam, DI Cam, FN Cam, NR Cam, NU Cam, NX Cam, V0456 Cam, V0489 Cam, V0499 Cam, V0514 Cam, V0516 Cam, V0517 Cam, RW Cnc, RY Cnc, TX Cnc, WW Cnc, WX Cnc, WY Cnc, XZ Cnc, YY Cnc, EH Cnc, FF Cnc, IR Cnc, IT Cnc, KM Cnc, KY Cnc, LU Cnc, MN Cnc, RV CVn, UW CVn, VZ CVn, YZ CVn, BI CVn, BO CVn, CI CVn, DF CVn, DH CVn, DI CVn, DK CVn, DL CVn, DQ CVn, DR CVn, DX CVn, DY CVn, EF CVn, EH CVn, EI CVn, EN CVn, EO CVn, EX CVn, EY CVn, FQ CVn, FU CVn, FV CVn, GG CVn, GM CVn, UZ CMi, XZ CMi, YY CMi, AK CMi, AM CMi, BB CMi, BF CMi, BH CMi, BX CMi, CW CMi, FM CMi, TV Cas, XX Cas, ZZ Cas, AB Cas, AH Cas, BS Cas, BU Cas, EG Cas, GG Cas, GU Cas, IR Cas, IT Cas, MN Cas, OX Cas, PV Cas, V0364 Cas, V0375 Cas, V0380 Cas, V0381 Cas, V0389 Cas, V0396 Cas, V0459 Cas, V0523 Cas, V0608 Cas, V0646 Cas, V1014 Cas, V1107 Cas, V1139 Cas, U Cep, SU Cep, VW Cep, VZ Cep, WY Cep, XY Cep, XZ Cep, ZZ Cep, AH Cep, BE Cep, DL Cep, EG Cep, EK Cep, GK Cep, GS Cep, KV Cep, NN Cep, NW Cep, V0338 Cep, V0383 Cep, V0397 Cep, V0736 Cep, V0743 Cep, V0746 Cep, V0797 Cep, V0806 Cep, V0833 Cep, V0849 Cep, V0870 Cep, V0886 Cep, V0890 Cep, V0900 Cep, V0902 Cep, V0919 Cep, V0927 Cep, V0930 Cep, V0934 Cep, V0944 Cep, V0954 Cep, V0959 Cep, V0960 Cep, V0961 Cep, V1013 Cep, RW Com, RZ Com, SS Com, UX Com, VY Com, CC Com, CM Com, CN Com, DD Com, DG Com, LQ Com, LR Com, LT Com, MZ Com, U CrB, RT CrB, RW CrB, TW CrB, YY CrB, AR CrB, BR CrB, WW Cyg, WZ Cyg, XX Cyg, ZZ Cyg, BO Cyg, BR Cyg, CG Cyg, CV Cyg, DK Cyg, DL Cyg, GO Cyg, KR Cyg, MR Cyg, V0345 Cyg, V0382 Cyg, V0388 Cyg, V0401 Cyg, V0442 Cyg, V0443 Cyg, V0445 Cyg, V0448 Cyg, V0453 Cyg, V0456 Cyg, V0463 Cyg, V0466 Cyg, V0477 Cyg, V0478 Cyg, V0483 Cyg, V0488 Cyg, V0490 Cyg, V0493 Cyg, V0498 Cyg, V0541 Cyg, V0548 Cyg, V0680 Cyg, V0687 Cyg, V0700 Cyg, V0725 Cyg, V0728 Cyg, V0753 Cyg, V0787 Cyg, V0796 Cyg, V0828 Cyg, V0836 Cyg, V0885 Cyg, V0909 Cyg, V1011 Cyg, V1034 Cyg, V1061 Cyg, V1073 Cyg, V1083 Cyg, V1143 Cyg, V1171 Cyg, V1305 Cyg, V1356 Cyg, V1413 Cyg, V1823 Cyg, V1877 Cyg, V1918 Cyg, V2021 Cyg, V2080 Cyg, V2083 Cyg, V2181 Cyg, V2197 Cyg, V2240 Cyg, V2278 Cyg, V2364 Cyg, V2367 Cyg, V2422 Cyg, V2455 Cyg, V2456 Cyg, V2477 Cyg, V2486 Cyg, V2497 Cyg, V2517 Cyg, V2519 Cyg, V2520 Cyg, V2541 Cyg, V2545 Cyg, V2546 Cyg, V2549 Cyg, V2551 Cyg, V2552 Cyg, V2558 Cyg, V2643 Cyg, V2657 Cyg, W Del, TY Del, AV Del, DM Del, FZ Del, KO Del, LY Del, MR Del, OW Del, OZ Del, PP Del, Z Dra, RR Dra, RW Dra, RX Dra, RZ Dra, TW Dra, TZ Dra, UZ Dra, AI Dra, AX Dra, BE Dra, BF Dra, BH Dra, BK Dra, BS Dra, BU Dra, CV Dra, FU Dra, FX Dra, GK Dra, GM Dra, GQ Dra, HI Dra, HP Dra, LN Dra, MW Dra, MY Dra, OO Dra, OX Dra, V0341 Dra, V0348 Dra,

V0349 Dra, V0357 Dra, V0372 Dra, V0374 Dra, V0381 Dra, V0388 Dra, V0391 Dra, V0404 Dra,  
V0421 Dra, V0423 Dra, V0449 Dra, S Equ, UZ Equ, U Gem, RW Gem, YY Gem, AC Gem,  
AY Gem, V0339 Gem, V0435 Gem, V0437 Gem, RX Her, SZ Her, TT Her, TX Her, UX Her,  
VZ Her, AK Her, CC Her, DH Her, DY Her, FN Her, FW Her, HS Her, IK Her, LT Her, V0338 Her,  
V0342 Her, V0359 Her, V0450 Her, V0465 Her, V0728 Her, V0732 Her, V0842 Her, V0878 Her,  
V0920 Her, V0994 Her, V1017 Her, V1045 Her, V1049 Her, V1053 Her, V1055 Her, V1063 Her,  
V1073 Her, V1088 Her, V1097 Her, V1119 Her, V1153 Her, V1158 Her, V1167 Her, V1173 Her,  
V1179 Her, V1185 Her, V1198 Her, V1216 Her, V1223 Her, V1238 Her, V1277 Her, V1289 Her,  
V1298 Her, V1321 Her, V1331 Her, V1351 Her, V1355 Her, V1379 Her, u Her , WY Hya, AV Hya,  
DE Hya, DF Hya, FG Hya, V0409 Hya, V0474 Hya, SW Lac, TW Lac, VX Lac, VY Lac, AR Lac,  
AW Lac, CM Lac, CO Lac, CS Lac, DG Lac, EM Lac, EP Lac, ES Lac, IL Lac, IM Lac, IN Lac,  
IZ Lac, KZ Lac, LY Lac, MZ Lac, NW Lac, OZ Lac, V0336 Lac, V0338 Lac, V0342 Lac, V0344 Lac,  
V0364 Lac, V0401 Lac, V0441 Lac, V0457 Lac, V0474 Lac, V0482 Lac, V0488 Lac, V0505 Lac,  
V0519 Lac, Y Leo, RR Leo, UV Leo, UX Leo, UZ Leo, WY Leo, XX Leo, XY Leo, XZ Leo, AG Leo,  
AL Leo, AM Leo, AP Leo, ET Leo, EX Leo, VW LMi, XX LMi, XY LMi, AG LMi, SZ Lyn, UV Lyn,  
AN Lyn, BG Lyn, CN Lyn, EK Lyn, FN Lyn, FS Lyn, FU Lyn, KP Lyn, TT Lyr, TZ Lyr, UZ Lyr,  
AA Lyr, BN Lyr, DT Lyr, FL Lyr, HT Lyr, NV Lyr, V0404 Lyr, V0412 Lyr, V0428 Lyr, V0431 Lyr,  
V0563 Lyr, V0569 Lyr, V0582 Lyr, V0594 Lyr, V0596 Lyr, V0596 Lyr, V0653 Lyr, V0658 Lyr,  
TU Mon, AO Mon, DD Mon, EP Mon, HI Mon, V0442 Mon, V0521 Mon, V0753 Mon, V0864 Mon,  
V0868 Mon, V0910 Mon, V0935 Mon, RV Oph, V0456 Oph, V0501 Oph, V0502 Oph, V0508 Oph,  
V0566 Oph, V0839 Oph, V2563 Oph, V2610 Oph, V2612 Oph, V2713 Oph, V2799 Oph, V0343 Ori,  
V1851 Ori, V1853 Ori, V2787 Ori, UX Peg, VV Peg, AT Peg, BN Peg, BP Peg, DI Peg, DY Peg,  
ER Peg, GP Peg, KW Peg, V0357 Peg, V0365 Peg, V0404 Peg, V0407 Peg, V0461 Peg, V0463 Peg,  
V0467 Peg, V0473 Peg, V0478 Peg, V0480 Peg, V0481 Peg, V0484 Peg, V0535 Peg, V0560 Peg,  
V0568 Peg, V0576 Peg, V0638 Peg, V0640 Peg, V0669 Peg, XZ Per, KQ Per, LX Per, V0570 Per,  
V0751 Per, V0930 Per, EW Psc, HN Psc, V Sge, CU Sge, CW Sge, DM Sge, V0366 Sge, V0375 Sge,  
AO Ser, AU Ser, CX Ser, OU Ser, V0384 Ser, V0505 Ser, Y Sex, WW Sex, WX Sex, WY Sex,  
WZ Sex, AI Sex, SV Tau, WY Tau, EN Tau, CL Tri, RW UMa, SX UMa, TX UMa, TY UMa,  
VV UMa, XZ UMa, AA UMa, AE UMa, AF UMa, AW UMa, BH UMa, BS UMa, GT UMa, LP UMa,  
MS UMa, NU UMa, PZ UMa, V0342 UMa, V0354 UMa, W UMi, RS UMi, RT UMi, RU UMi,  
RZ UMi, VV UMi, VW UMi, VY UMi, AL UMi, AW Vir, AX Vir, AZ Vir, BF Vir, BH Vir, CG Vir,  
FO Vir, HT Vir, LU Vir, PY Vir, V0342 Vir, V0415 Vir, V0467 Vir, V0639 Vir, RS Vul, AT Vul,  
AW Vul, AX Vul, AZ Vul, BE Vul, BO Vul, BP Vul, BS Vul, BU Vul, DR Vul, ER Vul, FQ Vul,  
FR Vul, GP Vul, V0491 Vul, V0495 Vul, V0496 Vul, V0502 Vul, VSX J003310.0+621944, VSX  
J012609.1+605226, VSX J014547.6+550757, ASAS J063546+1928.6, ASAS J073131+0309.1, CSS  
J080010.0+201937, CSS J080021.8+194353, CSS J080021.8+194353, CSS J080053.5+200959, CSS  
J080053.5+200959, CSS J080241.4+192609, CSS J080241.4+192609, CSS J080247.0+194641, CSS  
J080324.8+195206, VSX J080433.6+204007, CSS J082242.7+310918, CSS J082519.8+311916, CSS  
J082605.2+040738, CSS J082746.5+392213, CSS J082908.8+391600, ASAS J083251+1333.7, CSS  
J083954.1+232016, CSS J092924.7+162427, ASAS J093223+1555.7, CSS J093655.3+042123, ASAS  
J095047+0126.4, ASAS J100622+2435.2, VSX J121407.1+762538, ROTSE1 J125947.50+365843.6,  
VSX J130338.2+882407, ROTSE1 J144443.28+255752.4, ASAS J144659+1316.7, ASAS  
J145716+2348.8, CSS J145843.6+472829, CSS J145900.9+165455, CSS J150145.5+473351,  
VSX J154654.0+883715, CSS J160111.8+251634, ROTSE1 J164534.43+300749.3, CSS  
J165414.7+325945, CSS J165645.8+314802, CSS J165645.8+314802, CSS J165645.8+314802,  
CSS J165831.2+321307, CSS J165831.2+321307, CSS J165831.2+321307, CSS J165843.3+314517,  
CSS J165846.7+321954, CSS J165846.7+321954, CSS J170916.3+451523, CSS J171012.3+462314,  
CSS J171246.1+203807, CSS J171319.0+453025, CSS J171414.2+452253, CSS J171442.6+204032,  
CSS J171442.6+204032, CSS J171522.4+212438, CSS J171522.4+212438, CSS J171522.4+212438,  
CSS J171724.5+205011, ROTSE1 J171925.07+351602.7, ROTSE3 J172014.15+352919.1, ROTSE1  
J173121.59+295658.4, ROTSE1 J175527.44+440654.3, ROTSE1 J180323.71+335931.1, ASAS  
J181025+0047.7, CSS J181349.1+384235, CSS J181409.2+385306, CSS J181409.2+390502, CSS



J181430.8+380754, CSS J181533.0+320105, CSS J181925.4+314212, CSS J184544.8+401721, ROTSE1 J184813.35+401846.0, CSS J184901.0+401609, CSS J184901.0+401609, ROTSE1 J185226.53+445527.8, ASAS J185340+4038.0, ASAS J185722+4150.3, ASAS J185725+4042.9, ASAS J191547+1812.7, ASAS J191610+1918.3, ASAS J191745+0846.9, ASAS J193235+5433.1, ASAS J193522+2230.3, ASAS J193726+2225.6, ASAS J193947-0926.1, ASAS J194630+0234.0, ASAS J194817+2615.1, ASAS J195342+0205.4, ASAS J195821+0711.6, ASAS J195924+2257.0, ASAS J200126+0737.7, 1SWASP J201144.64+570512.7, ASAS J201225+0959.4, ASAS J202741+2145.0, 2MASS J20290715+5115180, ASAS J203256+2414.0, ASAS J203508+2430.9, ASAS J203921+1746.2, CSS J205334.6+052523, ASAS J205847+2731.9, CSS J210101.4+131318, ASAS J210121+0447.9, 1SWASP J211659.16+400936.3, ASAS J220226+4831.3, ASAS J220925+0808.0, VSX J222216.8+56120 1SWASP J230252.60+342300.8, ROTSE1 J231704.72+371849.0, GSC 01485-00645, GSC 02670-02219, GSC 02678-02360, GSC 02677-00092, GSC 03715-00043, GSC 1134-0368, GSC 1158-0921, GSC 1463-0483, GSC 1687-0207, GSC 2038-00041, GSC 2080-0986, GSC 2108-1564, GSC 2134 0028, GSC 2134-01608, GSC 2134-00590, GSC 2134-01608, GSC 2134 0028, GSC 2134-00590, GSC 2290-1195, GSC 2566-1398, GSC 2589-0536, GSC 2671-02330, GSC 2670-02219, GSC 2670-04264, GSC 2671-00834, GSC 2678-02360, GSC 2670-02219, GSC 2685-01754, GSC 2695-03684, GSC 2696-02758, GSC 2815-0790, GSC 2843-1999, GSC 3004-0870, GSC 3021-0460, GSC 3315-00071, GSC 3339-00242, GSC 3585-02696, GSC 3717-00153, GSC 3832-0152, GSC 3983-0544, GSC 3985-1258, GSC 4030-1992, GSC 4417-0394, GSC 4500-0083, GSC 4552-1498, GSC 4619-0450, LINEAR 10250985, LINEAR 13095415, LINEAR 14089317, LINEAR 14714767, LINEAR 14713979, LINEAR 19785439, LINEAR 20371308, LINEAR 20372537, LINEAR 20371308, LINEAR 20372537, LINEAR 440750, LINEAR 444083, LINEAR 6499162, LINEAR 6500817, LINEAR 701058, LINEAR 703406, LINEAR 9902637, LINEAR 9906732, LINEAR 9902637, LINEAR 9901761, NSVS 02622222, NSVS 10142768, NSVS 10123419, NSVS 109935, NSVS 11480607, NSVS 11723163, NSVS 1203826, NSVS 1206916, NSVS 12667099, NSVS 12741654, NSVS 1305379, NSVS 13120542, NSVS 1394144, NSVS 1431216, NSVS 1507733, NSVS 1541003, NSVS 1543348, NSVS 1625889, NSVS 1750812, NSVS 1750812, NSVS 207277, NSVS 222186, NSVS 2281526, NSVS 2554499, NSVS 2556336, NSVS 3068865, NSVS 3245311, NSVS 3536850, NSVS 3724203, NSVS 3745507, NSVS 375645, NSVS 375645, NSVS 380858, NSVS 4813681, NSVS 4812501, NSVS 4810449, NSVS 4813681, NSVS 4812501, NSVS 4810449, NSVS 4989337, NSVS 4992380, NSVS 5084132, NSVS 5149208, NSVS 5168364, NSVS 5449927, NSVS 6041126, NSVS 6109324, NSVS 6110086, NSVS 6127971, NSVS 6143186, NSVS 6195117, NSVS 7369453, NSVS 7366900, NSVS 7442379, NSVS 8209613, NSVS 8500709, NSVS 8554141, NSVS 8559318, NSVS 8638856, NSVS 8713121, NSVS 889633, NSVS 890397, NSVS 9000641, NSVS 9010274, NSVS 9020413, NSVS 958941, NSVS 958941, NSVS 9784102, NSVS 994114, TYC 2675-0663, TYC 2695-3163, TYC 3151-2485, TYC 3481-1550, TYC 3617-1828, TYC 4034-1405, TYC 4285-0602, TYC 5097-0641, 3UC 242-227216, 3UC 242-230799, 3UC 242-229922, 3UC 243-228342, 3UC 243-226799, 3UC 249-199508, 3UC 259-102457, 3UC 270-150925, 3UC 270 150854, 3UC 270-150925, 3UC 271-146132, 3UC 271-145965, 3UC 272-141916, 3UC 272-141934, 3UC 272-141916, 3UC 273-125122, 3UC 282-172128, 3UC 285-064742, 3UC 285-065321, 3UC 285-065474, 3UC 286-063889, 3UC 286-064360, 3UC 322-012905, 3UC 323-013086, UCAC3 213-102451, UCAC3 238-155503, UCAC3 238-156039, UCAC3 242-230799, UCAC3 242-227216, UCAC3 248-200869, UCAC3 248-205306, UCAC3 250-235517, UCAC3 250-234427, UCAC3 250-197400, UCAC3 272-123185, UCAC3 282-171491, UCAC3 284-090047, UCAC3 284-090447, UCAC3 284-090934, UCAC3 284-159698, UCAC3 285-090698, UCAC3 285-157675, UCAC3 285-155734, UCAC3 285-155236, UCAC3 285-064533, UCAC3 285-064219, UCAC3 286-155282.

*Papageorgiou, A. et al.* (5 authors) 2018, ApJS 238, 4. (1o) An updated catalog of 4680 Northern EBs with Algol-type LC morphology in the Catalina Sky Surveys.

*Patruno, A., Wette, K., Messenger, C.* 2018, ApJ 859, 112. (2dx) A deep search for pulses in 11 LMXBs: LZ Aqr (XTE J2123–058), V801 Ara (4U 1636–53), V822 Cen (4U 1456–32, Cen X-4), QX Nor (4U 1608–52), V926 Sco (4U 1735–44), QU Tra (4U 1543–624), 4U 1323–619, XTE J1710–28, XTE J1739–2859, 4U 1746–37, 4U 2129+12.

*Pilecki, B. et al.* (18 authors) 2018, ApJ 862, 43. (2ao, 5cd) The Araucaria Project: High-precision Cepheid astrophysics from the analysis of variables in double-lined EBs: OGLE-LMC-CEP-0227, 1718, 1812, 2532, 4506, OGLE-LMC-T2CEP-098.

*Price-Whelan, A.M. et al.* (13 authors) 2018, AJ 156, 18. (2ao\*, 5d, 6b) Search for and catalogue of probable companions to red giant stars in APOGEE DR14.

*Qian, S.-B. et al.* (8 authors) 2018, ApJS 235, 5. (2co, 6a) Physical properties and evolutionary states of 3196 EA-type EBs observed by LAMOST.

*Rivera-Sandoval, L.E. et al.* (11 authors) 2018, MNRAS, 475, 4841. (1aoux, 4a, 6abcd) Discovery of CVs and other exotic binaries in the globular cluster 47 Tuc: 22 new and 3 confirmed CVs, one possible double-degenerate system, one unclassified but intriguing system, and four possible millisecond PSR companions.

*Samus, N.N. et al.* (4 authors) 2018, RAA 18, 83. (6a) The Fifth Edition of the Catalogue of Variable Stars: experiences in the constellation Centaurus (revised identifications and improved coordinates for 35 systems in Cen).

*Skinner, J. et al.* (31 authors) 2018, AJ 156, 45. (2a, 5bd, 6b) Forty-four M-dwarf candidate SB2s from SDSS-III/APOGEE ancillary science sample, all 2MASS identifications: 00372323+4950469, 03122509+0021585, 03330508+5101297, 03393700+4531160, 04281703+5521194, 04373881+4650216, 04595013+3638144, 05421216+2224407, 05504191+3525569, 06115599+3525505, 06125378+2343533, 06213904+3231006, 06561894–0835461, 07063543+0219287, 07444028+7946423, 08100405+3220142, 08351992+1408333, 10331367+3409120, 10423925+1944404, 10464238+1626144, 10520326+0032383, 11081979+4751217, 12045611+1728199, 12193796+2634445, 12214070+2707510, 12260547+2644385, 12260848+2439315, 14545496+4198480, 14551346+4128494, 14562809+1648342, 15183842–0008235, 15192613+0153284, 15225888+3644292, 17204248+4205070, 18514864+1415069, 19081153+2839105, 19235494+3834587, 19433790+3225124, 19560585+2205242, 20474087+3343054, 21005978+5103147, 21234344+4419277, 21442066+4211363, 21451241+4225454.

*Sun, W. et al.* (4 authors) 2018, ApJ 862, 133. (1o\*u\*) Blue straggler stars beyond the Milky Way. II. A binary origin for Blue Straggler Stars in Magellanic Cloud clusters.

*Tokovinin, A.* 2018, AJ 156, 48. (2a, 4b, 5de) Spectroscopic orbits of subsystems in multiple stars: HIP 35733, 95106/95110, 105441 (V390 Pav), 105585/105569, 105947, 109951.

*van Doesburgh, M., van der Klis, M., Morsink, S.M.* 2018, MNRAS 479, 426. (1x, 5bcg) The highest frequency kHz QPOs in six neutron star low-mass XBs: 4U 0614+09, 4U 1246–59, SAX J1750–2900, 4U 1636–53, 4U 1702–43, 4U 1728–34.

*van Jaarsveld, N. et al.* (8 authors) 2018, MNRAS, 475, 3253. (1ao, 2abc, 5bi, 6bc) Identification of HMXBs selected from XMM-Newton observations of the LMC.

*van Roestel, J. et al.* (9 authors) 2018, MNRAS, 475, 2560. (1aio, 2ao, 5bcdeg, 6ab) Discovery of 36 eclipsing EL CVn binaries found by the Palomar Transient Factory.

*Vogt, N. et al.* (6 authors) 2018, MNRAS 478, 5427. (1ao, 5bcg) A search for stunted outbursts in 13 post-novae: V500 Aql, OY Ara, RS Car, V365 Car, V849 Oph, HS Pup, WY Sge, V363 Sgr, V1059 Sgr, V2572 Sgr, V728 Sco, V373 Sct, XX Tau.

*Wang, G.-G., Wang, Z.-X.* 2018, RAA 18, 109. (1bg, 5i, 6c) Searching for  $\gamma$ -ray counterparts to very faint X-ray transient NS binaries: SAX J1324.5–6313, 1RXS J170854.4–321857, RX J1718.4–4029, RX J1735.3–3540, SAX J1752.3–3138, SAX J1753.5–2349, AX J1754.2–2754, SAX J1806.5–2215, SAX J1818.7–1424, SAX J1828.5–1037, Swift J185003.2–005627, SAX J2224.9+5421.

IAU Commission G1  
**BIBLIOGRAPHY OF CLOSE BINARIES**

No. 107, December 2018

Editor-in-Chief: W. Van Hamme

Department of Physics  
Florida International University  
Miami, FL 33199, U.S.A.

Phone: +1 305 348-3670  
Fax: +1 305 348-6700  
vanhamme@fiu.edu