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Commission G1

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

- g. γ -ray. i. infrared. m. microwave. o. optical
 r. radio u. ultraviolet x. x-ray

1. Photometric data

- a. CCD b. Photoelectric c. Photographic d. Visual

2. Spectroscopic data

- a. Radial velocities b. Spectral classification c. Line identification d. Spectrophotometry

3. Polarimetry

- a. Broad-band b. Spectropolarimetry

4. Astrometry

- a. Positions and proper motions b. Relative positions only c. Interferometry

5. Derived results

- a. Times of minima b. New or improved ephemeris, period variations
 c. Parameters derivable from light curves d. Elements derivable from velocity curves
 e. Absolute dimensions, masses f. Apsidal motion and structure constants
 g. Physical properties of stellar atmospheres h. Chemical abundances
 i. Accretion disks and accretion phenomena j. Mass loss and mass exchange
 k. Rotational velocities

6. Catalogues, discoveries, charts

- a. Catalogues b. Discoveries of new binaries and novae
 c. Identification of optical counterparts of γ -ray, x-ray, IR, or radio sources d. Finding charts

7. Observational techniques

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

8. Theoretical investigations

- a. Structure of binary systems b. Circumstellar and circumbinary matter
 c. Evolutionary models d. Loss or exchange of mass and/or angular momentum

9. Statistical investigations

10. Miscellaneous

- a. Abstract b. Addenda or errata

Abbreviations

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

Individual Stars

KZ And	<i>Fekel, F.C., Henry, G.W., Tomkin, J.</i> 2017, AJ 154, 120. (2ao, 5de) RVs and orbit.
R Aqr	<i>Schmid, H. M. et al.</i> (43 authors) 2017, A&A 602, A53. SPHERE-ZIMPOL imaging of the symbiotic binary and innermost jet clouds.
AE Aqr	<i>Harrison, T.E., Marra, R.E.</i> 2017, ApJ 843, 152. (2ci, 5h) The CV secondary star $^{12}\text{C}/^{13}\text{C}$ ratio.
FO Aqr	<i>Kennedy, M.R. et al.</i> (8 authors) 2017, MNRAS 469, 956. (1x, 5bcgi) The first ever X-ray data during a low accretion state of the IP.
V358 Aqr	<i>Beuermann, K. et al.</i> (5 authors) 2017, A&A 603, A47. (1aox, 2do, 5g) Neglected X-ray discovered polars. I. Giant flares in V358 Aquarii.
W Aql	<i>Ramstedt, S. et al.</i> (12 authors) 2017, A&A 605, A126. (4cm, 8b) The S-type AGB star circumstellar envelope and eccentric binary orbit effects.
FK Aql	<i>Khaliullina, A.I.</i> 2017, ARep 61, 619. (5be) Probably quadruple system.
V1333 Aql (Aql X-1)	<i>Li, Z. et al.</i> (5 authors) 2017, ApJ 845, 8. (2dx) Simultaneous mass and radius constraints from quiescence and X-Ray burst observations. <i>Ono, K. et al.</i> (6 authors) 2017, PASJ 69, 23. (2dx, 5i) A hard-to-soft state transition in the LMXB observed with Suzaku.
V1343 Aql (SS 433)	<i>Khabibullin, I.I., Sazonov, S.Yu.</i> 2017, AstL 43, 431. (2, 8ab) X-ray line identification in the spectrum of the arcsec-scale precessing jet. <i>Petrucci, P.-O. et al.</i> (69 authors) 2017, A&A 602, L11. (4ci, 5ij) The microquasar accretion-ejection morphology resolved at sub-au scale.
V1487 Aql (GRS 1915+105)	<i>Huppenkothen, D. et al.</i> (4 authors) 2017, MNRAS 466, 2364. (1x*, 5i, 7d, 9) Using machine learning to explore the HMXB long-term evolution. <i>Ziótkowski, J., Zdziarski, A.A.</i> 2017, MNRAS 469, 3315. (8abd) The donor mass, luminosity and mass-loss rate.
V801 Ara (4U 1636–53)	<i>Wang, Y. et al.</i> (5 authors) 2017, MNRAS 468, 2256. (1x, 5cgi, 8a) Modeling the LMXB reflection spectrum.
V821 Ara (GX 339-4)	<i>Drappeau, S. et al.</i> (13 authors) 2017, MNRAS 466, 4272. (1x*, 2x*, 5i, 8b) Theoretical study of dark jets in the BH binary soft X-ray state. <i>Stiele, H., Kong, A.K.H.</i> 2017, ApJ 844, 8. (2dx) 2015 outburst decay. <i>Zhang, L. et al.</i> (7 authors) 2017, ApJ 845, 143. (1x, 2x) Phase lags with type-C QPOs during the 2006-2007 outburst.
UX Ari	<i>Cao, D.-T., Gu, S.-H.</i> 2017, RAA 17, 55. (2c, 5g) Optical flares in the RS CVn star. <i>Hummel, C.A et al.</i> (14 authors) 2017, ApJ 844, 115. (1o, 2o, 4c, 5e) Orbital elements, stellar parameters and surface images.
RW Aur	<i>Berdnikov, L.N. et al.</i> (6 authors) 2017, AstBu 72, 304. (1abcd, 8b) On the jet of the young star RW Aur A and related problems.
V410 Aur	<i>Luo, X. et al.</i> (6 authors) 2017, AJ 154, 99. (1ao, 5abcg) W UMa system with spots whose dominant activity switches between longitudes.
GQ Boo	<i>Zhang, J. et al.</i> (4 authors) 2017, MNRAS 466, 1118. (1ao, 2bo, 5abce) LC analysis of the W-subtype contact binary.
IK Boo	<i>Kriwattanawong, W., Sanguansak, N., Maungkorn, S.</i> 2017, PASJ 69, 62. (1ao, 5abcej) The first photometric investigation and orbital period variation analysis of the W UMa EB.

BY Cam	<i>Özdarcan, D.T., Smith, P.S., Keskin, V.</i> 2017, MNRAS 468, 2923. (3b, 5cg) Time-resolved spectropolarimetric observations.
BZ Cam	<i>Godon, P. et al.</i> (4 authors) 2017, ApJ 846, 52. (1u*, 2u*, 8ab) Improved UV spectral analysis of the nova-like CV.
NO Cam	<i>Zhou, X., Qian, S., Zhang, B.</i> 2017, PASJ 69, 37. (1ao, 5abcgi) Multi-color photometric investigation of the totally-eclipsing binary.
ES Cnc	<i>Gökay, G., Derman, E., Gürol, B.</i> 2017, IBVS No. 6206. (5a) EB minima.
HV Cnc	<i>Gökay, G., Derman, E., Gürol, B.</i> 2017, IBVS No. 6206. (5a) EB minima.
TU CMa	<i>Garcés, L.J., Mennickent, R.F., Zharikov, S.</i> 2017, PASP 129, 044203. (1ao, 2ao, 5cde) Fundamental parameters of the detached EB.
DD CMa	<i>Rosales, G.J., Mennickent, R.E.</i> 2017, IBVS No 6207. (1a, 5b) New galactic Double Periodic Variable of extreme short period.
UU Cas	<i>Gorda, S. Yu.</i> 2017, AstBu 72, 321. (2a, 5e) EB RV curves.
AB Cas	<i>Hong, K. et al.</i> (7 authors) 2017, AJ 153, 247. (1a*, 2ao, 5cde) EB with δ Sct primary.
V592 Cas	<i>Godon, P. et al.</i> (4 authors) 2017, ApJ 846, 52. (1u*, 2u*, 8ab) Improved UV spectral analysis of the nova-like CV.
V615 Cas (LS I +63°303)	<i>Chernvakova, M. et al.</i> (7 authors) 2017, MNRAS 470, 1718. (1o*1*x*, 5cg, 8b) Orbital and superorbital variability in X-ray data.
V662 Cas (4U 0114+650)	<i>Hu, C.-P. et al.</i> (5 authors) 2017, ApJ 844, 16. (1x) Evolution of spin, orbital and superorbital modulations of the HMXB.
V1037 Cas (IGR J00291+5934)	<i>Baglio, M. C. et al.</i> (9 authors) 2017, A&A 600, A109. (1ao, 5i) Flaring optical emission during quiescence of the accreting millisecond X-ray pulsar. <i>Ferrigno, C. et al.</i> (10 authors) 2017, MNRAS 466, 3450. (1x, 2dx, 5bci) Discovery of a soft X-ray 8 mHz QPO in the LMXB. <i>Patruno, A.</i> 2017, ApJ 839, 51. (1x, 5c) Orbital evolution constraints. <i>Sanna, A. et al.</i> (11 authors) 2017, MNRAS 466, 2910. (1x, 2dx, 5bcgi) Spectral and timing properties during the 2015 outburst.
V834 Cen	<i>Mouchet, M. et al.</i> (9 authors) 2017, A&A 600, A53. (1ao, 5c) A VLT-ULTRACAM study of the fast optical QPOs in the polar CV.
V850 Cen (GX 304-1)	<i>Malacaria, C. et al.</i> (7 authors) 2017, A&A 603, A24. (2aco, 5i) Optical spectroscopy of the Be/XB during faint X-ray periodical activity. <i>Rothschild, R.E. et al.</i> (11 authors) 2017, MNRAS 466, 2752. (1x*, 2x*, 5i) Discovery and modeling of a flattening of the positive cyclotron line-luminosity relation.
V889 Cen (LSS 3074)	<i>Raucq, F. et al.</i> (7 authors) 2017, A&A 601, A133. (1ao, 2aodx, 5cdej) Past mass exchange episodes in the massive O-star binary.
CQ Cep	<i>Koenigsberger, G., Schmutz, W., Skinner, S. L.</i> 2017, A&A 601, A121. (5abj) Does the WR binary undergo sporadic mass transfer events?
V798 Cep	<i>Volkov, I.M., Chochol, D., Kravtsova, A.S.</i> 2017, ARep 61, 436. (1a, 5be) EB physical parameters.
BR Cir (Cir X-1)	<i>Bu, Q. et al.</i> (4 authors) 2017, ApJ 841, 122. (1x) LMXB low frequency QPOs are phase independent.
BW Cir (GS 1354–64)	<i>Pahari, M.</i> (6 authors) 2017, MNRAS 469, 193. (1aox, 5bcg) Evidence for optical cyclo-synchrotron emission from the hot accretion flow.
60 Cyg	(see V1931 Cyg)

SS Cyg	<i>Harrison, T.E., Marra, R.E.</i> 2017, ApJ 843, 152. (2ci, 5h) The CV secondary star $^{12}\text{C}/^{13}\text{C}$ ratio.
WW Cyg	<i>Pop, A. et al.</i> (4 authors) 2017, Ap&SS 362, 76. (1abcdo, 5ab) Evidence for quasiperiodicity in orbital period modulations.
V404 Cyg (GS 2023+338)	<i>Chandra, P., Kanekar, N.</i> 2017, ApJ 846, 111. (1r, 2r) Meter-wave monitoring of the BH XB during the 2015 June outburst. <i>Fu, B.-W. et al.</i> (5 authors) 2017, ChA&A 41, 198. (1ax, 2dx) Swift/XRT outburst observations of the BH binary in 2015. <i>Iijima, T., Naito, H.</i> 2017, A&A 600, A96. (2cdo) Spectral variations of the Mira secondary near light maximum in 2012. <i>Itoh, R. et al.</i> (15 authors) 2017, PASJ 69, 25. (1aio, 2dio, 3aio) Interstellar polarization and Galactic extinction in the direction of the BH XB. <i>Kosenkov, I.A. et al.</i> (7 authors) 2017, MNRAS 468, 4362. (3ao, 5c) High-precision optical polarimetry during the 2015 June outburst. <i>Motta, S.E. et al.</i> (5 authors) 2017, MNRAS 468, 981. (1gx, 5gi) A highly accreting obscured AGN analogue. <i>Sánchez-Fernández, C. et al.</i> (4 authors) (2dx) Hard X-ray variability during the 2015 outburst. <i>Tachibana, Y. et al.</i> (4 authors) 2017, PASJ 69, 63. (1ao, 5cgi) MITSuME observations during the 2015 outburst: two optical variable components with different variability. <i>Tetarenko, A.J. et al.</i> (17 authors) 2017, MNRAS 469, 3141. (1r, 5cg) Extreme jet ejections.
V974 Cyg	<i>Wolf M. et al.</i> (8 authors) 2017, AcA 67, 257. (1a, 5abf) Triple eccentric EB.
V1357 Cyg (Cyg X-1)	<i>Kawano, T. et al.</i> (6 authors) 2017, PASJ 69, 36. (2dx, 5i) BH spin determined from the softest state ever observed. <i>Sugimoto, J. et al.</i> (4 authors) 2017, PASJ 69, 52. (2dx, 5cj) Orbital modulations of X-ray LCs in low/hard and high/soft states. <i>Walter, R., Xu, M.</i> 2017, A&A 603, A8. (2x, 7a) MeV band observations with the INTEGRAL imager.
V1931 Cyg (60 Cyg)	<i>Wang, L., Gies, D.R., Peters, G.J.</i> 2017, ApJ 843, 60. (1u*, 2u*) Detection of the hot subdwarf companion UV spectrum.
V2197 Cyg	<i>Nelson, R.H., Robb, R.M.</i> 2017, IBVS No. 6203. (1a, 2ab, 5abcd) Semidetached EB?
FZ Del	<i>Khaliullina, A.I.</i> 2017, ARep 61, 619. (5be) Probably quadruple system.
V339 Del	<i>Evans, A. et al.</i> (19 authors) 2017, MNRAS 466, 4221. (1adio*, 2acdio, 5gj) NIR and optical spectroscopic and photometric dust shell study.
EX Dra	<i>Han, Z.-T. et al.</i> (4 authors) 2017, Ap&SS 362, 109. (1ao, 5abi) Eclipsing CV double cyclic orbital period variations.
MN Dra	<i>Bąkowska, K. et al.</i> (9 authors) 2017, A&A 603, A72. (1ao, 5bi) A peculiar, active dwarf nova in the period gap.
41 Eri	<i>Hummel, C. A. et al.</i> (4 authors) 2017, A&A 600, L5. (2ao, 4ci, 5de) Orbit of the HgMn SB2 system.
TZ For	<i>Valle, G. et al.</i> (4 authors) 2017, A&A 600, A41. (8c) Statistical errors and systematic biases in the calibration of the EB convective core overshooting.
ι Her	<i>Golriz, S.S., Landstreet, J.D.</i> 2017, MNRAS 466, 1597. (2cu*, 5gh) Far UV spectral synthesis and abundance determination of the SB.

NY Her	<i>Sosnovskij, A. et al.</i> (4 authors) 2017, IBVS No. 6216. (1a, 5c) Possible discovery of negative superhumps.
V1239 Her	<i>Lukin, V.V. et al.</i> (6 authors) 2017, MNRAS 467, 2934. (8ab) 3D modeling of the AD.
EX Hya	<i>Isakova, P.B. et al.</i> (5 authors) 2017, ARep 61, 566. (8) Numerical simulation of accretion features.
CD Ind	<i>Myers, G. et al.</i> (9 authors) 2017, PASP 129, 044204. (1ao*, 5k) Long resynchronisation time found for asynchronous polar.
VX Lac	<i>Yilmaz, M. et al.</i> (6 authors) 2017, RMxAA 53, 29. (1ao, 2a, 5abcde) Algol with probable third and possible fourth body, plus magnetic activity.
WX LMi	<i>Özdarcan, D.T., Smith, P.S., Keskin, V.</i> 2017, MNRAS 468, 2923. (3b, 5cg) Time-resolved spectropolarimetric observations.
IL Lup (4U 1543–47)	<i>Lipunova, G.V., Malanchev, K.L.</i> 2017, MNRAS 468, 4735. (1x, 5cgi, 8a) AD viscous evolution.
DY Lyn	<i>Dimitrov, W. et al.</i> (6 authors) 2017, MNRAS 466, 2. (1ao*, 2abco, 5bcdghk) Hierarchical triple system LC and RV analysis.
MV Lyr	<i>Godon, P. et al.</i> (4 authors) 2017, ApJ 846, 52. (1u*, 2u*, 8ab) Improved UV spectral analysis of the nova-like CV.
CW Mon	<i>Hause, C. et al.</i> (7 authors) 2017, AJ 154, 48. (2do, 5degi) Spectroscopic study of AD and accretion rate in U Gem-type dwarf nova.
RU Mon	<i>Wolf M. et al.</i> (8 authors) 2017, AcA 67, 257. (1a, 5abf) Triple eccentric EB.
V532 Mon	<i>Yang, Y. et al.</i> (5 authors) 2017, PASJ 69, 69. (1ao, 2bo, 5abcej) Contact binary photometric study.
V959 Mon	<i>Healy, F. et al.</i> (5 authors) 2017, MNRAS 469, 3976. (1r, 5cg, 8a) Multi-epoch radio imaging.
SY Mus	<i>Shagatova, N., Skopal, A.</i> 2017, A&A 602, A71. (2du*) Wind asymmetry imprint on the symbiotic UV LCs.
QX Nor	<i>Armas-Padilla, M. et al.</i> (5 authors) 2017, MNRAS 467, 290. (1x, 2dx, 5i) Three-component model for a NS in a LMXB using Suzaku spectroscopy during outburst decay.
V456 Oph	<i>Wolf M. et al.</i> (8 authors) 2017, AcA 67, 257. (1a, 5abf) Triple eccentric EB.
V577 Oph	<i>Jeffery, E.J. et al.</i> (4 authors) 2017, AJ 154, 127. (2ao, 5d) Change in systemic velocity due to motion in wide orbit with third body.
V843 Oph (SN 1604)	<i>Chen, L.-Q., Meng, X.-C., Han, Z.-W.</i> 2017, RAA 17, 83. (8c) Surviving companion in type Ia SN remnant.
V2116 Oph (GX 1+4)	<i>Ilkiewicz, K., Mikolajewska, J., Monard, B.</i> 2017, A&A 601, 105. (1ao, 2dx) Symbiotic XB variability and enhanced activity near periastron. <i>Yoshida, Y. et al.</i> (6 authors) 2017, ApJ 838, 30. (1x, 2cdx) Broadband continuum spectrum model fit.
ι Ori	<i>Pablo, H. et al.</i> (20 authors) 2017, MNRAS 467, 2494. (1ao, 2ao, 5bcde, 8ac) Massive binary with tidal distortions.
GU Ori	<i>Yang, Y. et al.</i> (5 authors) 2017, PASJ 69, 69. (1ao, 2bo, 5abcej) Contact binary photometric study.
AG Peg	<i>Skopal, A. et al.</i> (16 authors) 2017, A&A 604, A48. (1acdo, 20u, 5j) New outburst of the symbiotic nova after 165 yr.
BN Peg	<i>Nelson, R.</i> 2017, IBVS No. 6201. (1a, 2ab, 5abcd) Semidetached EB.

RU Peg	<i>Harrison, T.E., Marra, R.E.</i> 2017, ApJ 843, 152. (2ci, 5h) The CV secondary star $^{12}\text{C}/^{13}\text{C}$ ratio.
V500 Peg	<i>Caton, D.B. et al.</i> (7 authors) 2017, PASP 129, 064202. (1ao, 2b, 5cg) Solar-type Algol system with magnetic spot.
GK Per	<i>Zemko, P. et al.</i> (6 authors) 2017, MNRAS 469, 476. (1aux, 5cegi) Multimission observations during the 2015 outburst.
V482 Per	<i>Torres, G. et al.</i> (5 authors) 2017, ApJ 846, 115. (1o, 2oi, 5ade) Quadruple-lined, doubly eclipsing system.
AY Psc	<i>Han, Z.-T. et al.</i> (4 authors) 2017, ChA&A 41, 56. (1ao, 5abij) Long-term photometric behavior of the eclipsing Z Cam-type dwarf nova.
T Pyx	<i>Patterson, J. et al.</i> (17 authors) 2017, MNRAS 466, 581. (1ao*, 5abij, 8ad) Detailed timing analysis of 20 years of photometric observations of the recurrent nova. Post 2011 eruption period variation detected; the WD may be eroding rather than growing in mass.
QX Sge (PSR J1959+2048)	<i>Sanchez, N., Romani, R.W.</i> 2017, ApJ 845, 42. (1i*, 8a) Intrabinary shock model.
V729 Sgr	<i>Han, Z.-T. et al.</i> (5 authors) 2017, PASJ 69, 55. (1ao, 5cij) Eclipsing CV long-term photometric behavior. <i>Ramsay, G. et al.</i> (5 authors) 2017, MNRAS 469, 950. (1ao, 5bcg) Negative superhumps during quiescence.
V1017 Sgr	<i>Salazar, I.V. et al.</i> (5 authors) 2017, MNRAS 469, 4116. (1ao, 5bcgi) Accurate pre- and post-eruption orbital periods.
V4580 Sgr (SAX J1808.4–3658)	<i>Patruno, A.</i> 2017, ApJ 839, 51. (1x, 5c) V1037 Cas twin.
V5116 Sgr (Nova Sgr 2005b)	<i>Sala, G. et al.</i> (4 authors) 2017, A&A 601, A93. (2dx, 5i) The supersoft X-ray source in the classical nova. I. The high resolution spectra.
V5511 Sgr	<i>Wang, L. et al.</i> (8 authors) 2017, MNRAS 466, 2261. (2ao, 5dei, 8ab) Accreting millisecond pulsar mass constraints using Bowen fluorescence.
V5589 Sgr	<i>Eyres, S.P.S. et al.</i> (8 authors) 2017, MNRAS 467, 2684. (1ao, 5egij) Temporal resolution of a pre-maximum halt.
AR Sco	<i>Marcote, B. et al.</i> (5 authors) 2017, A&A 601, L7. (4cr, 5ij) The origin of the radio emission in the first radio-pulsing WD binary.
V1535 Sco	<i>Linford, J.D. et al.</i> (11 authors) 2017, ApJ 842, 73. (1orx, 2rox) The symbiotic 2015 outburst.
LX Ser	<i>Li, L. et al.</i> (9 authors) 2017, PASJ 69, 28. (1ao, 5ab) A possible giant planet orbiting the CV.
MM Ser (Ser X-1)	<i>Matranga, M. et al.</i> (7 authors) 2017, A&A 600, A24. (2cdx, 5i) The LMXB NS NuSTAR and XMM-Newton broad-band spectrum.
RW Sex	<i>Hernandez, M.S. et al.</i> (4 authors) 2017, MNRAS 470, 1960. (2bc, 5degik) Accretion flow structure.
DF Tau	<i>Allen, T.S. et al.</i> (8 authors) 2017, ApJ 846, 52. (1o, 2i, 4ac*, 5a) Unequal circumstellar disk evolution.
V1367 Tau	<i>Zhang, J. et al.</i> (4 authors) 2017, MNRAS 466, 1118. (1ao, 2bo, 5abce) LC analysis of the W-subtype contact binary.
V Tri	<i>Ren, A.B. et al.</i> (9 authors) 2017, AJ 153, 248. (1ao, 2ao, 5abcde) Photometry and spectroscopy of the Algol-type binary.
DV UMa	<i>Han, Z.-T. et al.</i> (4 authors) 2017, AJ 153, 238. (1ao, 5ab) Eclipsing dwarf nova has cyclic period oscillation due to a third body with period 17.6 yr.

DW UMa	<i>Boyd, D.R.S. et al.</i> (32 authors) 2017, MNRAS 466, 3417. (1ao*, 5abcfij, 8d) A 16-yr photometric campaign of the eclipsing nova-like CV. <i>Smak, J.</i> 2017, AcA 67, 273. (1a, 5c) Irradiation modulated mass transfer for superhumps.
GP Vel (Vel X-1)	<i>El Mellah, I., Casse, F.</i> 2017, MNRAS 467, 2585. (8abc) Flow structure at orbital scale.
HU Vel	<i>Sarkissian, J.M. et al.</i> (4 authors) 2017, PASA 34, e027. (1r, 5ij) One year of monitoring the Vela pulsar using a Phased Array Feed.
BD Vir	<i>Mkrtichian, D.E., A-thano, N., Awiphan, S.</i> 2017, IBVS No. 6210. (1a, 5i) Discovery of short-period oscillations in the mass-accreting component.
BH Vir	<i>Gebrehiwot, Y.M., Tessema, S.B., Berdnikov, L.N.</i> 2017, Ap&SS 362, 77. (1abcdo, 5ab) Evolutionary orbital period change.
IK Vir	<i>Ohshima, O., Akazawa, H.</i> 2017, IBVS No. 6211. (1a, 5abc) Discovery of δ Sct pulsations.
QZ Vir	<i>Imada, A. et al.</i> (12 authors) 2017, PASJ 69, 72. (1ao, 5ci) The 2015 superoutburst: detection of growing superhumps between the precursor and main superoutburst.

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

HR 7578	<i>Fekel, F.C., Henry, G.W., Tomkin, J.</i> 2017, AJ 154, 120. (1ao, 2ao, 5cde) Non-eclipsing SB2 RVs and orbit.
HR 96511	<i>Fekel, F.C., Henry, G.W., Tomkin, J.</i> 2017, AJ 154, 120. (2ao, 5de) First detection of secondary; RVs and orbit.
HD 26441	<i>Docobo, J.A. et al.</i> (4 authors) 2017, MNRAS 469, 1096. (2a, 5deg) Precise orbital elements, masses and parallax.
HD 75638	<i>Gökay, G., Derman, E., Gürol, B.</i> 2017, IBVS No. 6206. (5a) Minima times of EB in Cancer.
HD 106906	<i>Rodet, L. et al.</i> (7 authors) 2017, A&A 602, A12. Origin of the wide-orbit circumbinary giant planet of the SB2 system. A dynamical scenario and its impact on the disk.
HD 164492 C	<i>González, J.F. et al.</i> (18 authors) 2017, MNRAS 467, 437. (2abco, 3bo, 4bo, 5bdghk, 8bc) Magnetic triple system in the Trifid nebula.
HD 181469 (KIC 4150611)	<i>Hełminiak, K. G. et al.</i> (8 authors) 2017, A&A 602, A30. (1ao, 2ao, 5abcde) A rare multi-eclipsing quintuple with a hybrid pulsator.
HD 201433	<i>Kallinger, T. et al.</i> (20 authors) 2017, A&A 603, A13. (1ao, 2ao, 5fk) Triple system with a slowly pulsating B star seen by BRITE-Constellation: pulsation, differential rotation, and angular momentum transfer.
HD 202206	<i>Benedict, G.F., Harrison, T.E.</i> 2017, AJ 153, 258. (4a, 5e) Astrometry of pole-on G+M binary reveals third body of brown-dwarf mass.
HD 306414 (IGR J11215–5952)	<i>Sidoli, L. et al.</i> (6 authors) 2017, ApJ 838, 133. (1x, 2dx) Supergiant Fast X-ray Transient observed during outburst.
BD –19°5044L	<i>Landstreet, J. D. et al.</i> (7 authors) 2017, A&A 601, A129. (3b, 5cde) Discovery of a short-period SB2 system with a magnetic Bp primary in the open cluster IC 4725.

Objects with names including RA and DEC

SDSS J002656.59+284932.9 (OT J002656.6+284933) WD 0028–474	<i>Kato, T. et al.</i> (20 authors) 2017, PASJ 69, L4. (1ao, 5bij) SU UMa-type dwarf nova with the longest superhump period.
IGR J00291+5934 3XMM J004301.4+413017	<i>Rebassa-Mansergas, A. et al.</i> (7 authors) 2017, MNRAS 466, 1575. (2ao*, 5bde) Orbital period and component masses of the close double WDs. (see V1037 Cas)
CXOU J005758.4–722229	<i>Zolotukhin, I.Y., et al.</i> (5 authors) 2017, ApJ 839, 125. (1x, 2dx, 6d) Discovery of young pulsar prior to spin-up.
4U 0114+650 IGR J01217–7257	<i>Bartlett, E.S. et al.</i> (7 authors) 2017, MNRAS 466, 4659. (1aox*, 2abcdox, 4a, 5b, 6c) Identification and characterization of the optical counterpart of the Be/XB in the SMC viewed edge-on. (see V662 Cas)
2MASS J02132062+3648506	<i>Boon, C.M. et al.</i> (9 authors) 2017, MNRAS 466, 1149. (1ox*, 5bci) Optical and X-ray observations of the HMXB Be/XB during outburst. <i>Vasilopoulos, G., Habert, F., Maggi, P.</i> 2017, MNRAS 470, 1971. (1x, 2bc, 5bcgi) Identified with the transient SMC pulsar XTE J0119–731.
PSR J0218+4232	<i>Deacon, N.R. et al.</i> (17 authors) 2017, MNRAS 467, 1126. (1aiou*, 2abio, 5g, 6bd, 8c) Discovery of a wide T3 benchmark companion to an active, old M dwarf binary.
SDSS J031813.25–010711.7	<i>Gotthelf, E.V., Bogdanov, S.</i> 2017, ApJ 845, 159. (1x, 2x) Hard X-Ray observations of the energetic millisecond pulsar.
HE 0410–1137	<i>Rebassa-Mansergas, A. et al.</i> (7 authors) 2017, MNRAS 466, 1575. (2ao*, 5bde) Orbital period and component masses of the close double WDs.
KELT J041621–620046	<i>Rebassa-Mansergas, A. et al.</i> (7 authors) 2017, MNRAS 466, 1575. (2ao*, 5bde) Orbital period and component masses of the close double WDs.
2MASS J05393883–6944356 (RX J0539.7–6944) (LMC X-1)	<i>Lubin, J.B. et al.</i> (29 authors) 2017, ApJ 844, 134. (1oi, 2o, 5cde) M-M EB.
SAX J0635.2+0533 (PSR J0635+0533)	<i>Abubekerov, M.K. et al.</i> (5 authors) 2016, ARep 60, 1029. (2a, 5e) The XB BH mass.
1RXS J064434.5+334451	<i>Hyde, E.A. et al.</i> (7 authors) 2017, PASP 129, 094201. (2do, 5gij) Spectrophotometry of O-star and surrounding nebula.
2XMM J081928.9+704219 (Holmberg II X-1)	<i>La Palombara, N., Mereghetti, S.</i> 2017, A&A 602, A114. Swift monitoring of the massive XB.
1RXS J083842.1–282723	<i>Hernandez, M.S. et al.</i> (4 authors) 2017, MNRAS 470, 1960. (2bc, 5degik) Structure of accretion flows.
3FGL J0838.8–2829	<i>Lau, R.M. et al.</i> (4 authors) 2017, ApJL 838, L17. (1i) IR emission probably from dust; companion likely a B(e) supergiant.
XMMU J083850.38–282756.8	<i>Halpern, J.P., S. Bogdanov, and J.R. Thorstensen.</i> 2017, ApJ 838, 124. (1ox) Unusual CV: a stream-fed asynchronous polar with accretion switches between magnetic poles.
	<i>Halpern, J.P., Bogdanov, S., Thorstensen, J.R.</i> 2017, ApJ 838, 124. (1ox) Identified as a CV, with XMMU J083850.38–282756.8 as the millisecond pulsar counterpart.
	<i>Halpern, J.P., Strader, J., Li, M.</i> 2017, ApJ 844, 150. (2ao, 5de, 6c) Redback millisecond pulsar counterpart to γ -ray source.
	<i>Halpern, J.P., S. Bogdanov, and J.R. Thorstensen.</i> 2017, ApJ 838, 124. (1ox, 6b) Counterpart of 3FGL J0838.8–2829 may be a black widow or redback pulsar.

2MASS J08455435+1934577 (EPIC 211957146)	<i>Sriram, K. et al.</i> (4 authors) 2017, AJ 153, 231. (1ao, 2ad, 5abcg) Over-contact binary with variable O’Connell effect and possible third body.
2MASS J08504984+1948364 (PTFEB132.707+19.810)	<i>Kraus, A.L. et al.</i> (13 authors) 2017, ApJ 845, 72. (1oo*i, 2o, 5cde) Low-mass EB in Praesepe.
PTF1 J085713+331843	<i>van Roestel, J. et al.</i> (9 authors) 2017, MNRAS 468, 3109. (1ao, 2bc, 5ceg, 6b) A new post-common-envelope binary.
XTE J0929–314	<i>Gruyters, P. et al.</i> (6 authors) 2017, A&A 603, A37. (1x*, 5i) First evidence of multiple populations along the AGB from Strömgren photometry.
PSR J0952–0607	<i>Bassa, C.G. et al.</i> (18 authors) 2017, ApJ 846, L19. (1r) Fastest spinning millisecond binary pulsar in the Galactic field.
RX J0957.9+6903 (Holmberg IX X-1)	<i>Walton, D.J. et al.</i> (12 authors) 2017, ApJ 839, 105. (1x, 2dx) Super-Eddington accretion model for the extreme ULX source.
2MASS J10364483+1521394	<i>Calissendorff, P. et al.</i> (9 authors) 2017, A&A 604, A82. (4b, 5ce) The discrepancy between dynamical and theoretical mass in the triplet-system.
SDSS J105754.25+275947.5	<i>McAllister, M.J. et al.</i> (14 authors) 2017, MNRAS 467, 1024. (1ao, 2do*, 5bcg, 8b) An eclipsing CV with the lowest-mass donor yet measured.
IGR J11215–5952	(see HD 306414)
CRTS SSS130101 J122222–311525	<i>Neustroev, V.V. et al.</i> (25 authors) 2017, MNRAS 467, 597. (1aio*, 2acdio, 5bcgi, 6bcd) Three-year multiwavelength study of the highly evolved post-period-minimum dwarf nova outburst.
PSR B1259–63 (LS 2883)	<i>Yi, S.-X., Cheng, K.S.</i> 2017, ApJ 844, 114. (8b) An explanation of the repeating GeV flare.
GS 1354–64	(see BW Cir)
2MASS J15334944+3759282 (2M 1533+3759)	<i>Lee, J.W. et al.</i> (4 authors) 2017, ApJ 839, 39. (1ao, 5ce) Detached system with sdB primary and M7 dwarf companion.
4U 1543–47	(see IL Lup)
AX J1549.8–5416	<i>Zhang, G. et al.</i> (8 authors) 2017, MNRAS 469, 4236. (1oux*, 5cg, 8a) Multiwavelength monitoring of the very active dwarf nova.
Sgr J1550–5418	<i>Kirmizibayrak, D. et al.</i> (4 authors) 2017, ApJSS 232, 17. (1x, 2x) Broad-band spectral investigation of the magnetar bursts.
4U 1608–52	(see QX Nor)
CXOU J161423.4–505738	<i>Hare, J. et al.</i> (5 authors) 2017, ApJ 841, 81. (1ao, 5ce) LMXB or CV?
4U 1636–53	(see V801 Ara)
PSR J1640+2224	<i>Mahmoodifar, S., Strohmayer, T.</i> 2017, ApJ 840, 94. (1x, 2dx) Constraints on surface temperature of non-accreting millisecond pulsar.
PSR J1709+2313	<i>Mahmoodifar, S., Strohmayer, T.</i> 2017, ApJ 840, 94. (1x, 2dx) Constraints on surface temperature of non-accreting millisecond pulsar.
XTE J1709–267	<i>Ludlam, R.M. et al.</i> (5 authors) 2017, ApJ 838, 79. (1x, 2dx, 5i) First reflection study to constrain properties of the LMXB disk.
IGR J17091–3624	<i>Court, J.M.C. et al.</i> (8 authors) 2017, MNRAS 468, 4748. (1x, 5cgi) An atlas of exotic variability.
PSR J1723–2837	<i>Kong, A.K.H. et al.</i> (5 authors) 2017, ApJ 839, 130. (1x, 2dx) X-rays probably from the intrabinary shock.
4U 1728–34	<i>Diaz Trigo, M. et al.</i> (6 authors) 2017, A&A 600, A8. (2dx, 4cr, 5ij) ALMA observations and first detection of the NS LMXB at 300 GHz. <i>Mondal A.S. et al.</i> (5 authors) 2017, MNRAS 466, 4991. (1x, 2dx, 5i) NuSTAR and Swift joint view of the LMXB NS and disc reflection in the island and lower banana states.

1E 1740.7–2942	<i>Verdhan Chauhan, J. et al.</i> (13 authors) 2017, ApJ 841, 41. (1x, 2dx) Detection of kHz QPOs and a Type-1 burst in the LMXB.
H 1743–322	<i>Stecchini, P.E. et al.</i> (5 authors) 2017, ApJ 843, L10. (2dx) LMXB orbital and superorbital period. <i>Bhattacharjee, A. et al.</i> (5 authors) 2017, MNRAS 466, 1372. (1x*, 2dx*, 5ei, 8bd) The LMXB 2004 outburst and analysis of spectral and timing properties using the TCAF solution. <i>Drappeau, S. et al.</i> (13 authors) 2017, MNRAS 466, 4272. (1x*, 2x*, 5i, 8b) Dark jets in the soft X-ray state of the BH binary.
EXO 1745–248	<i>Matranga, M. et al.</i> (13 authors) 2017, A&A 603, A39. (1x, 2x) XMM-Newton and INTEGRAL view of the LMXB 2015 outburst hard state. <i>Parikh, A.S. et al.</i> (7 authors) 2017, MNRAS 468, 3979. (1x, 5gi) Unusual very hard spectral states.
PSR J1745–2900 (Sgr J1745–2900) Swift J17450.7–290015	<i>Cheng, Q., Zhang, S.-N., Zheng, X.-P.</i> 2017, RAA 17, 54. (8cd) Possible origin of the Galactic center magnetar. <i>Corrales, L.R. et al.</i> (7 authors) 2017, ApJ 839, 76. (1x) Detection of dust-scattered halo, consistent with a LMXB.
GRS 1747–312	<i>Iwai, M. et al.</i> (6 authors) 2017, PASJ 69, 61. (2dx, 5gj) A broad spectral feature detected with Suzaku during the cooling phase of a type I X-ray burst of the LMXB.
SAX J1748.9–2021	<i>Cadelano, M. et al.</i> (6 authors) 2017, ApJ 844, 53. (1o, 2o, 6c) Optical counterpart to the accreting millisecond X-Ray pulsar discovered.
CXOGBS J174954.5–294335	<i>Johnson, C.B. et al.</i> (10 authors) 2017, MNRAS 466, 129. (1aox*, 2abc-dox, 5abi, 6bcd) X-ray source identified as a deeply eclipsing IP.
SWIFT J1753.5–0127	<i>Veledina, A. et al.</i> (8 authors) 2017, MNRAS 470, 48. (1ox, 5bgi, 8ac) Evolution of optical and X-ray temporal characteristics during the outburst decline.
IGR J18027–2016	<i>Lutovinov, A.A. et al.</i> (6 authors) 2017, MNRAS 466, 593. (1x, 2dx, 5ci) NuSTAR observations of the supergiant X-ray pulsar with accretion from the stellar wind and possible cyclotron absorption line.
1RXS J180408.9–342058	<i>Gusinskaia, N.V. et al.</i> (9 authors) 2017, MNRAS 470, 1871. (1rx, 5cgi) Jet quenching. <i>Parikh, A.S. et al.</i> (14 authors) 2017, MNRAS 466, 4074. (1x, 2dx, 5gi) Potential cooling of an accretion-heated NS crust in the LMXB. <i>Parikh, A.S. et al.</i> (7 authors) 2017, MNRAS 468, 3979. (1x, 5gi) Unusual very hard spectral states.
Sgr 1806–20	<i>Kirmizibayrak, D. et al.</i> (4 authors) 2017, ApJSS 232, 17. (1x, 2x) Broad-band spectral investigation of the magnetar bursts.
SAX J1808.4–3658	(see V4580 Sgr)
XTE J1814–338	(see V5511 Sgr)
4U 1820–30 (Sgr X-4)	<i>Diaz Trigo, M. et al.</i> (6 authors) 2017, A&A 600, A8. (2dx, 4cr, 5ij) ALMA observations and first detection of the NS LMXB at 300 GHz.
IGR J18214–1318	<i>Fornasini, F.M. et al.</i> (8 authors) 2017, ApJ 841, 35. (1x) No periodic pulses detected, but observations are consistent with a NS HMXB.
PSR B1821–24	<i>Gotthelf, E.V., Bogdanov S.</i> 2017, ApJ 845, 159. (1x, 2x) Hard X-Ray observations of the energetic millisecond pulsar.
IGR J18245–2452	<i>De Falco, V. et al.</i> (7 authors) 2017, A&A 603, A16. (1gx, 5bi) The transitional millisecond pulsar 2013 outburst at X-rays and soft γ -rays.

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XTE J1855–2016	<i>El Mellah, I., Casse, F.</i> 2017, MNRAS 467, 2585. (8abc) Flow structure at orbital scale in supergiant XB.
Sgr 1900+14	<i>Kirmizibayrak, D. et al.</i> (4 authors) 2017, ApJSS 232, 17. (1x, 2x) Broad-band spectral investigations of the magnetar bursts.
1H 1905+000	<i>Mikhailov, K., van Leeuwen, J., Jonker, P.G..</i> 2017, ApJ 840, 9. (2dr) Search for millisecond pulsar radio emission in the LMXB.
2MASS J19072286+3748571 (KIC 2557430)	<i>Kamil, C., Dal, H.A.</i> 2017, PASA 34, e029. (1ao, 5abcg) A triple system containing one γ Dor and two flaring components?
2MASS J19083435+4630290 (KIC 9761199)	<i>Yoldaş, E., Dal, H.A.</i> 2017, RMxAA 53, 67. (1ao*, 5cg) Flaring low-mass CB with grazing eclipses.
GRS 1915+105	(see V1487 Aql)
2MASS J19160715+3957068 (KIC 4826439)	<i>Zhang, J. et al.</i> (5 authors) 2017, PASJ 69, 49. (1ao, 2bcdo, 5abcge, 7d) EB with nearly identical components.
2MASS J19221246+4014060 (KIC 5095269)	<i>Getley, A.K. et al.</i> (4 authors) 2017, MNRAS 468, 2932. (1ao*, 5bce) Evidence for a planetary mass third body orbiting the binary star.
2MASS J19291594+4637198 (KIC 9832227)	<i>Molnar, L.A. et al.</i> (10 authors) 2017, ApJ 840, 1. (8c) Prediction of an imminent red nova outburst.
2MASS J19304734+4120047 (KIC 6045264)	<i>Zhang, J. et al.</i> (5 authors) 2017, PASJ 69, 49. (1ao, 2bcdo, 5abcge, 7d) EB with nearly identical components.
PSR B1937+21	<i>Gotthelf, E.V., Bogdanov S.</i> 2017, ApJ 845, 159. (1x, 2x) Hard X-Ray observations of the energetic millisecond pulsar.
AX J1949.8+2534	<i>Sguera, V. et al.</i> (6 authors) 2017, MNRAS 469, 3901. (1ix, 5cg) First hard X-ray detection and broad-band X-ray study.
2MASS J19505785+4259459 (KIC 7385478)	<i>Özdarcan, O., Dal, H.A.</i> 2017, PASA 34, e017. (1ao, 2abo, 5cdeg) EB with a γ Dor component.
2MASS J19513982+4819553 (T-Cyg1-12664)	<i>Han, E. et al.</i> (9 authors) 2017, AJ 154, 100. (1ao*, 2ai) Masses and radii from Kepler photometry and i-r spectra; no evidence for magnetic inflation.
	<i>Iglesias-Marzoa, R. et al.</i> (5 authors) (2ao , 3ao, 5bcde) Low-mass EB.
MAXI J1957+032	<i>Sánchez, D.M. et al.</i> (7 authors) 2017, MNRAS 468, 564. (1x, 2bc, 5gi) First optical spectrum of the transient counterpart.
PSR J1959+2048	(see QX Sge)
GS 2023+338	(see V404 Cyg)
PSR J2032+4127 (MT91 213)	<i>Li, K.L. et al.</i> (6 authors) 2017, ApJ 843, 85. (1x, 2xu) Observations of the γ -ray binary.
RX J2133.7+5107	<i>de Miguel, E. et al.</i> (18 authors) 2017, MNRAS 467, 428. (1ao, 5ab) IP superhumps and spin-period variations.
CSS 130604 J215427+155714	<i>Borisov, N. V. et al.</i> (5 authors) 2017, AstBu 72, 184. (1a, 2ac, 5be) Spectral and photometric study of the polar.
PSR J2222–0137	<i>Cognard, I. et al.</i> (13 authors) 2017, ApJ 844, 128. (1r, 3a) A massive-born NS with a massive WD companion.
1E 2259+586	<i>Nakano, T. et al.</i> (7 authors) 2017, PASJ 69, 40. (2cdx, 5ehj) The magnetar progenitor through Suzaku observations of the associated SN remnant CTB 109.

PSR J2317+1439

Dai, S. et al. (7 authors) 2017, ApJ 842, 105. (1ao, 6c) Millisecond pulsar WD companion identified.

X-ray sources with constellation or galaxy names

Aql X-1

(see V1333 Aql)

Cir X-1

(see BR Cir)

Cyg X-1

(see V1357 Cyg)

Ser X-1

(see MM Ser)

Sgr X-4

(see 4U 1820–30)

47 Tuc X9

Bahramian, A. et al. (12 authors) 2017, MNRAS 467, 2199. (1rx*, 2dx, 5bgi, 6d, 8c) Could be the first ultracompact BH XB identified in our Galaxy.

Vel X-1

(see GP Vel)

Holmberg II X-1

(see 2XMM J081928.9+704219)

Holmberg IX X-1

(see RX J0957.9+6903)

IC 342 X-1

Shidatsu, M., Ueda, Y., Fabrika, S. 2017, ApJ 839, 46. (2dx) Spectral evolution observed.

LMC X-1

(see RX J0539.7–6944)

M82 X-2

Grebenev, S.A. 2017, AstL 43, 513. (8) ULX pulsar bimodal luminosity distribution model explains behavior of this ULX.

Xu, K., Li, X.-D. 2017, ApJ 838, 98. (5i) NS magnetic field strength calculated from accretion rate.

NGC 5907 ULX-1

Dauser, T., Middleton, M., Wilms, J. 2017, MNRAS 466, 2236. (1x, 8bd) Modeling the ULX LC as precession.

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NGC 7793 P13

Grebenev, S.A. 2017, AstL 43, 513. (8) ULX pulsar bimodal luminosity distribution model explains behavior of this ULX.

Objects with other designations

Cyg OB2 12

Oskinova, L.M. et al. (6 authors) 2017, ApJ 845, 39. (1x, 2x) Is this massive blue hypergiant a colliding wind binary?

EPIC 211957146

(see 2MASS J08455435+1934577)

EPIC 220204960

Rappaport, S. et al. (18 authors) 2017, MNRAS 467, 2160. (1o*, 2abo, 5abcdefgk, 8ac) Quadruple system containing two strongly interacting EBs with stars of similar $0.4 M_{\odot}$ mass.

GD 57

(see HE 0410–1137)

GJ 3236

Šmelcer, L. et al. (7 authors) 2017, MNRAS 466, 2542. (1ao, 5bj) Flare activity detected in the low-mass EB.

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GW 170104	<i>Goldstein, A. et al.</i> (148 authors) 2017, ApJ 846, L5. (1x) Counterpart nondetection of the LIGO 3rd BH merger. <i>Savchenko, V. et al.</i> (19 Authors) 2017, ApJ 846, L23. (2dgx) INTEGRAL nondetection of the BH merger.
GX 1+4	(see V2116 Oph)
GX 304-1	(see V850 Cen)
GX 339-4	(see V821 Ara)
KIC 2557430	(see 2MASS J19072286+3748571)
KIC 4150611	(see HD 181469)
KIC 4826439	(see 2MASS J19160715+3957068)
KIC 5095269	(see 2MASS J19221246+4014060)
KIC 6045264	(see 2MASS J19304734+4120047)
KIC 7385478	(see 2MASS J19505785+4259459)
KIC 9761199	(see 2MASS J19083455+4630290)
KIC 9832227	(see 2MASS J19291594+4637198)
Lanning 386	<i>Kennedy, M.R. et al.</i> (5 authors) 2017, MNRAS 466, 2202. (1aox, 2abcx, 5bcij) XMMNewton observations of a peculiar LMXB CV (possible SW Sex system), with X-ray evidence for a magnetic primary.
LP 40-365	<i>Vennes, S. et al.</i> (7 authors) 2017, Sci 357, 680. (2ac, 5g) Unusual WD may be the surviving remnant of a subluminous Type Ia SN.
LS 2883	(see PSR B1259–63)
LS I+61°303	(see V615 Cas)
LSS 3074	(see V889 Cen)
MT91 213	(see PSR J2032+4127)
NLTT 12758	<i>Kawka, A. et al.</i> (6 authors) 2017, MNRAS 466, 1127. (1aiou*, 2ao, 3b, 5kg, 8c) A fast spinning magnetic WD in the double degenerate, super-Chandrasekhar system.
Nova Sco 1437	<i>Shara, M. M. et al.</i> (16 authors) 2017, Nature 548, 558. Proper-motion age dating of the nova progeny.
Nova Sgr 2005b	(see V5116 Sgr)
NSV 19992	<i>Jones, D., Boffin, H.M.</i> 2017, MNRAS 466, 2034. (2ao, 5d) This EB system is projected on the area of PN SuWt2, discarding the idea of a possible triple central star system in the PN.
OGLE-2014-BLG-1112LB	<i>Han, C. et al.</i> (18 authors) 2017, ApJ 843, 87. (1o, 5e) Gravitational lensing of solar type star and brown dwarf.
OGLE-2016-BLG-1469	<i>Han, C. et al.</i> (55 authors) 2017, ApJ 843, 59. (1io, 5e, 6b) Microlensing discovery of a binary composed of two brown dwarfs.
OGLE-LMC-T2CEP-098	<i>Pilecki, B. et al.</i> (13 authors) 2017, ApJ 842, 110. (1io) Mass and p-factor of the type II Cepheid in an EB system.
OGLE-SMC-ECL-0277	<i>Zasche, P. et al.</i> (16 authors) 2017, AcA 67, 243. (1a, 5abc) Unusual photometric variability of the EB.
PTFEB132.707+19.810	(see 2MASS J08504984+1948364)
SN 1604	(see V843 Oph)
SS 433	(see V1343 Aql)
SXP 1323	<i>Carpano, S., Haberl, F., Sturm, R.</i> 2107, A&A 602, A81. (2dx, 5b) Discovery of a 26.2 day period in the long-term X-ray LC of the BeXB: a very short orbital period for a long spin period pulsar.

SXP 7.92	(see CXOU J005758.4–722229)
T-Cyg1-12664	(see 2MASS J19513982+4819553)
TWA 3	<i>Kellogg, K. et al.</i> (17 authors) 2017, ApJ 844, 168. (1o, 2oi, 5de) Young triple star system.
TWA 3A	<i>Tofflemire, B.M. et al.</i> (5 authors) 2017, ApJ 842, L12. (1ou) Pulsed accretion in a T Tauri binary.

General

Abbott, B.P. et al. (1004 authors) 2017, ApJ 839, 12. (7b) Search for gravitational waves from pulsars, some in binary systems.

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