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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

RT And	*Zhang, L.-Y., Gu, S.-H.* 2007, A&A 471, 219. (1bo, 5bc) Spot evolution study.
DX And	*Spogli, C. et al.* (4 authors) 2007, IBVS No. 5792 (1a, 5c) UBV(RI)c photometric sequence at 2006 outburst.
24 Aqr	*Branham, R.L.* 2007, AJ 134, 274. (2a, 4b*, 5d, 7d) Semi-definite programming analysis for long-period orbit in triple system.
R Aqr	*Kellog, E. et al.* (6 authors) 2007, ApJ 664, 1079. (1rx, 2rx) Evolution of outer jet, 1999.8 to 2004.0. *Nichols, J.S. et al.* (6 authors) 2007, ApJ 660, 651. (2x) Rapid hard x-ray variability, new jet activity.
AE Aqr	*Dubus, G. et al.* (5 authors) 2007, ApJ 663, 516. (1i, 2i) Spitzer observations of magnetic CV. *Venter, L.A., Meintjes, P.J.* 2007, MNRAS 378, 681. (1x, 5g, 8a) A tenuous x-ray corona enveloping the system.
UU Aql	*Sion, E.M. et al.* (4 authors) 2007, AJ 134, 886. (2cdu, 8ab)
KO Aql	*Soydugan, F. et al.* (6 authors) 2007, MNRAS 379, 1533. (1ao, 2abc, 5bcdegij, 8bd) Absolute parameters and mass transfer.
V1343 Aql (SS 433)	*Clark, J.S., Barnes, A.D., Charles, P.A.* 2007, MNRAS 380, 263. (2abc, 5dg, 8b) A rich, highly structured circumstellar environment.
V1487 Aql (GRS 1915+105)	*Stuchlík, Z., Slaný, P., Török, G.* 2007, A&A 470, 401. (5i) Explanation of high-frequency QPOs.
V801 Ara (4U 1636−536)	*Belloni, T. et al.* (5 authors) 2007, MNRAS 379, 247. (1bx, 5bcgi) Long-term evolution and kHz QPOs.
V821 Ara (GX 339-4)	*Che, X., Liu, C.-Z., Li, T.-P.* 2007, ApJ 660, 1393. (8a) Study of coherence in the time domain.
XY Ari	*Norton, A.J., Mukai, K.* 2007, A&A 472, 225. (1x, 5i) Precessing accretion disc?
β Aur	*Southworth, J., Bruntt, H., Buzasi, D.L.* 2007, A&A 467, 1215. (1ao, 2ao*, 5cde)
CL Aur	*Wolf, M. et al.* (8 authors) 2007, IBVS No. 5780 (1a, 5ab) Triple system with mass transfer.
KR Aur	*Kozhevnikov, V.P.* 2007, MNRAS 378, 955. (1ao, 5bgi) Detection of superhumps.
TY Boo	*Yang, Y.G. et al.* (4 authors) 2007, AJ 134, 179. (5a*, 5bj) Variation may be due partly to light-time effect from third component.
RR Cae	*Maxted, P.F.L. et al.* (5 authors) 2007, MNRAS 376, 919. (1bo, 2ab, 5abcd) WD+dM binary.
SZ Cam	*Gorda, S.Yu. et al.* (4 authors) 2007, BSAO 62, 352. (5e) Parameters of the apparent relative orbit of the third body in the system.
CI Cam	*Yan, J. Liu, Q., Hang, H.* 2007, AJ 133, 1478. (2d, 5gi) Variable emission spectrum of optical counterpart to XTE J0421+560.
TX Cnc	*Liu, L. et al.* (6 authors) 2007, PASJ 59, 607. (1oc, 5bce) A contact binary system in a young open cluster.
AC Cnc	*Qian, S.-B. et al.* (6 authors) 2007, A&A 466, 589. (5b) Nova-like CV.
AD CMi	*Khokhuntod, P. et al.* (6 authors) 2007, ChJAA 7, 421. (1oc) Discovery and interpretation of low-frequency light variations.

VZ CVn	*Ibanoğlu, C. et al.* (4 authors) 2007, MNRAS 376, 573. (1bo, 5abce) CB with pulsating primary.
DE CVn	*van den Besselaar, E.J.M. et al.* (13 authors) 2007, A&A 466, 1031. (1ao, 2ao, 5abcde) Red dwarf-WD EB.
η Car	*Abraham, Z., Falceta-Gonçalves, D.* 2007, MNRAS 378, 309. (2c*, 5bg, 8a) Wind-wind collision and modelling of line profiles.
	Behar, E., Nordon, R., Soker, N. 2007, ApJ 666, L97. (1x, 2cx) High-velocity flaring emission.
	Hamaguchi, K. et al. (10 authors) 2007, ApJ 663, 522. (1x, 2x) Observations centred on the 2003 x-ray minimum.
	Kashi, A., Soker, N. 2007, MNRAS 378, 1609. (1r, 5cegj, 8ad) Modelling the radio light curve.
V615 Cas (LS I+61°303)	*Berger, K. et al.* (10 authors) 2007, Astron. Nachr. 328, 623. (2dg) MAGIC γ-ray observations of HMXB system.
	Paredes, J.M. et al. (5 authors) 2007, ApJ 664, L39. (1g) High-resolution observation of γ-ray binary.
V723 Cas	*Heywood, I., O'Brien, T.J.* 2007, MNRAS 379, 1453. (1r, 5cg, 8ab) Simulations and interpretation of the 6-cm MERLIN images.
BV Cen	*Sion, E.M. et al.* (4 authors) 2007, AJ 134, 886. (2cdu, 8ab)
V801 Cen (4U 1145−619)	*Rutledge, R.E. et al.* (6 authors) 2007, ApJ 658, 514. (2x) Pulsations at low x-ray luminosity.
V803 Cen	*Roelofs, G.H.A. et al.* (5 authors) 2007, MNRAS 379, 176. (2abc, 5bdegi) Spectroscopic orbital period.
V883 Cen	*Hensberge, H. et al.* (12 authors) 2007, MNRAS 379, 349. (1abou, 2bc, 5abcdg) Derivation of orbital period and eclipse monitoring.
VV Cep	*Bauer, W.H., Bennett, P.D., Brown, A.* 2007, ApJSS 171, 249. (2cu) Spectra dominated by emission lines.
XX Cep	*Lee, J.W., Kim, C-H., Koch, R.H.* 2007, MNRAS 379, 1665. (1ao, 5abcefg, 8a) Period study and LC synthesis.
CQ Cep	*Kartasheva, T.A., Svechnikov, M.A.* 2006, BSAO 59, 62. (5c) Mysterious Wolf-Rayet type binary system.
V490 Cep (Cep X-4)	*McBride, V.A. et al.* (9 authors) 2007, A&A 470, 1065. (2x*, 2c) Spectral study.
Z Cha	*Smak, J.* 2007, Acta Astronomica 57, 87. (1a, 5gi) Detection of hot spot.
RS Cha	*Alecian, E. et al.* (5 authors) 2007, A&A 465, 241. Pre-main sequence EB.
BR Cir (Cir X-1)	*Heinz, S. et al.* (4 authors) 2007, ApJ 663, L93. (1r*, 2x) Evidence for a parsec-scale x-ray jet.
	Lei, Y.-J. et al. (5 authors) 2007, ChJAA 7, 693. (2xd) RXTE data during x-ray dips.
TX Col	*Mhlahlo, N. et al.* (11 authors) 2007, MNRAS 380, 133. (1ao, 5abcegi) Discovery of a persistent QPO.
SS Cyg	*Bitner, M.A., Robinson, E.L.* 2007, ApJ 662, 564. (2ao, 5edi) K star model consistent with a star with H core depletion.
SW Cyg	*Manzoori, D.* 2007, PASA 24, 61. (5bj) Orbital period modulation.
CH Cyg	*Karovska, M.K. et al.* (4 authors) 2007, ApJ 661, 1048. (1orx) Jet activity and multicomponent structures.

V370 Cyg	*Manimanis, V.N., Niarchos, P.G.* 2007, Ap&SS 310, 153. (1ao, 5c) Semi-detached configuration.
V456 Cyg	*Zakirov, M.M., Eshankulova, M.V.* 2006, KFNT 22, 363. (1b, 5ce) CB systems in regions of OB-associations. V. V456 Cygni in Cyg OB1.
V698 Cyg	*Zakirov, M.M., Eshankulova, M.V.* 2006, KFNT 22, 49. (1b, 5ce) CB systems in regions of OB-associations. IV. V698 Cygni in Cyg OB3.
V865 Cyg	*Molík, P., Wolf, M., Zejda, M.* 2007, Ap&SS 310, 149. (1ao, 5b).
V963 Cyg	*Samec, R.G. et al.* (6 authors) 2007, IBVS No. 5786 (1a, 5ac, 6d) Active detached binary with a 33.5 hour period.
V1341 Cyg (Cyg X-2)	*Titarchuk, L., Shaposhnikov, N., Arefiev, V.* 2007, ApJ 660, 556. (2x*) Fourier power density spectrum applied to system.
V1357 Cyg (Cyg X-1)	*Albert, J. et al.* (140 authors) 2007, ApJ 665, L51. (1g, 2g) Very high-energy γ-ray observations (¿100 GeV). *Bednarek, W., Giovannelli, F.* 2007, A&A 464, 437. (2dg) Very high-energy γ-ray production inside HMXB. *Che, X., Liu, C.-Z., Li, T.-P.* 2007, ApJ 660, 1393. Study of coherence in the time domain. *Hanke, M. et al.* (9 authors) 2007, Astron. Nachr. 328, 707. (2cx, 5ij) Analysis of absorption features in photoionized wind. *Lei, Y.-J. et al.* 2007, Ap&SS 310, 307. (1x*) Variability study. *Russell, D.M. et al.* (4 authors) 2007, MNRAS 376, 1341. OIII (5007) imaging of jet-powered ring-like optical nebula around Cyg X-1. *Titarchuk, L., Shaposhnikov, N., Arefiev, V.* 2007, ApJ 660, 556. (2x*) Fourier power density spectrum applied to system. *Wilms, J. et al.* (7 authors) 2007, ApJ 663, L97. (1r, 1x) Radio and x-ray flare.
V1521 Cyg (Cyg X-3)	*Martí, J. et al.* (7 authors) 2007, Ap&SS 309, 309. (1r, 1i) Study of radio hot-spots.
V2214 Cyg (KPD 1930+2752)	*Geier, S. et al.* (6 authors) 2007, A&A 464, 299. (2c, 5k) Hot subdwarf B + WD binary may be a SN Ia progenitor.
V2362 Cyg	2007, IAU Circ. 8849 (2ci) Nova at nebular phase.
V2467 Cyg	2007, IAU Circ. 8821 (1ad, 2co, 4a, 6b) New classical nova. 2007, IAU Circ. 8848 (2ci) Coronal lines from nova.
CM Dra	*Nelson, T.E., Caton, D.B.* 2007, IBVS No. 5789 (1a, 5c, 6d) Increase in stellar activity.
S Equ	*Soydugan, F. et al.* (6 authors) 2007, MNRAS 379, 1533. (1ao, 2abc, 5bcdegij, 8bd) Absolute parameters and mass transfer.
CC Eri	*Crespo-Chacón, I. et al.* (6 authors) 2007, A&A 471, 929. (1x, 5i) Evolution of spectral parameters.
EF Eri	*Schwope, A.D. et al.* (4 authors) 2007, A&A 469, 1027. (1ao*, 1x*) Low state.
U Gem	*Echevarría J., de la Fuente, E., Costero, R.* 2007, AJ 134, 262. (2d, 5bde) *Schreiber, M.R.* 2007, A&A 466, 1025. (1d*)
ϕ Her	*Torres, G.* 2007, AJ 133, 2684. (2ao*, 4b, 5de) Hipparcos astrometry supplements NPOI data.
YY Her	*Hric, L., Gális, R.* 2007, MmSAI 78, 400. (1ao) Modelling AD.
AM Her	*Girish, V., Rana, V.R., Singh, K.P.* 2007, ApJ 658, 525. (2cx, 5e) 1.15 solar-mass WD.

	Mason, P.A., Gray, C.L. 2007, ApJ 660, 662. (2r) Persistent radio polar, observations here consistent with earlier ones.
DI Her	*Khodykin, S.A.* 2007, IBVS No. 5788 (5af) Evidence for a third body.
DQ Her	*Vaytet, N.M.H., O'Brien, T.J., Rushton, A.P.* 2007, MNRAS 380, 175. (2abc, 5degj) Evidence for ablated flows in the shell of the nova.
DY Her	*Boonyarak, C., Jiang, S.Y.* 2007, Ap&SS 310, 285. (1abo, 5b)
HZ Her (Her X-1)	*Staubert, R. et al.* (8 authors) 2007, A&A 465, L25. (2dx*) Discovery of a flux-related change of the cyclotron line energy.
V844 Her	*Oizumi, S. et al.* (9 authors) 2007, PASJ 59, 643. (1oc) Superhump periods.
EX Hya	*Mhlahlo, N. et al.* (6 authors) 2007, MNRAS 378, 211. (2ac, 5abdegi, 8a) Spectroscopic observations and modelling. *Mhlahlo, N. et al.* (6 authors) 2007, MNRAS 380, 353. (1do, 2abc, 5bcdegij, 8ad) Outbursts revisited.
V398 Lac	*Çakirli, Ö. et al.* (5 authors) 2007, Astron. Nachr. 328, 536. (2ao, 5cdek)
WX LMi	*Vogel, J., Schwope, A.D., Gänsicke, B.T.* 2007, A&A 464, 647. (1ao, 2o, 2dx, 5ij)
ST LMi	*Kafka, S. et al.* (4 authors) 2007, AJ 133, 1645. (1ao, 2do, 5g) Low and high states studied.
SS Lep	*Verhoelst, T., van Aarle, E., Acke, B.* 2007, A&A 470, L21. (4i, 1auoi*) Direct diameter measurement in CB.
GW Lib	2007, IAU Circ. 8829 (1d) Outburst of cataclysmic variable.
HP Lib	*Roelofs, G.H.A. et al.* (5 authors) 2007, MNRAS 379, 176. (2abc, 5bdegi) Spectroscopic orbital period.
GQ Lup	*Neuhäuser, R., Mugrauer, M., Seifahrt, A.* 2007, Astron. Nachr. 328, 705. (4ab) VLT/NACO astrometric observations suggest presence of substellar companion to T Tauri star.
MO Lup	*Esposito, M. et al.* (5 authors) 2007, MNRAS 376, 1805. (2aodi, 5bd) Third component of SB2 T Tauri system with chromospheric activity detected.
UU Lyn	*Zhu, L.-Y. et al.* (5 authors) 2007, ChJAA 7, 693. (1oc, 5bce) A candidate system for TRO theory.
TZ Lyr	*Yang, Y.-G., Yin, X.-G.* 2007, ChJAA 7, 258. (5bcj) A semidetached system undergoing mass transfer.
η Mus	*Hensberge, H. et al.* (12 authors) 2007, MNRAS 379, 349. (1abou, 2bc, 5abcdg) Derivation of orbital period and eclipse monitoring.
GR Mus (XB 1254−690)	*Bhattacharyya, S.* 2007, MNRAS 377, 198. (1x, 2dx) LMXB with QPOs observed during burst.
V381 Nor (XTE J1550−564)	*Spiram, K. et al.* (4 authors) 2007, ApJ 661, 1055. (2x) Anticorrelation between hard and soft x-rays. *Wu, Y.-X., Liu, C.-Z., Li, T.-P.* 2007, ApJ 660, 1386. (2x*) Study of spectral variability during initial rise. *Yuan, F. et al.* (4 authors) 2007, ApJ 659, 541. (2x) Hot accretion flow model applied to 2000 outburst.
V390 Nor	2007, IAU Circ. 8850 (1acd, 4a, 6b) Discovery and designation of nova. 2007, IAU Circ. 8851 (2ci) Indeed a classical nova.
RS Oph	*Chesneau, O. et al.* (18 authors) 2007, A&A 464, 119. (2di, 5i) Recurrent nova.

	Evans, A. et al. (21 authors) 2007, ApJ 663, L29. (2i) Spitzer and ground observations of 2006 eruption.
	Hachisu, I., Kato, M., Luna, G.J.M. 2007,ApJ 659, L153. (1x, 5ei, 8c) Complete light curve during recent eruption.
	Lane, B.F. et al. (10 authors) 2007,ApJ 658, 520. (4ci) Estimate of mass-loss following the outburst.
	Ness, J.-U. et al. (16 authors) 2007, ApJ 665, 1334. (1ax, 2ax) Phase of super-soft emission observed.
	Tatischeff, V., Hernanz, M. 2007, ApJ 663, L101. (2x*, 2r*) Evidence for nonlinear diffusive shock acceleration of cosmic rays in 2006 outburst.
	Vaytet, N.M.H., O'Brien, T.J., Bode, M.F. 2007, ApJ 665, 654. (1x, 8a) Hydrodynamic models of 2006 outburst.
	Worters, H.L. et al. (4 authors) 2007, MNRAS 379, 1557. (1ao, 2cgij, 8ad) Evidence of resumption of mass accretion.
V2051 Oph	*Baptista, R. et al.* (4 authors) 2007, AJ 134, 867. (1ao, 5i) Study of AD through two outbursts.
V2301 Oph	*Ramsay, G., Cropper, M.* 2007, MNRAS 379, 1209. (1x, 2cx, 5abcdegi) XMM-Newton observations and modelling.
V2615 Oph	2007, IAU Circ. 8824 (1ac, 2co, 4a, 6b) New "FeII-type" nova. 2007, IAU Circ. 8846 (2ci) Unusually strong CI-lines.
BB Peg	*Kalomeni, B. et al.* (6 authors) 2007, AJ 134, 642. (1ao, 2ao*, 5abcde) Mass transfer and light-time effect both present in O − C diagram for cool contact binary.
X Per	*Grundstrom, E.D. et al.* (12 authors) 2007, ApJ 660, 1398. (2dox) Study of circumstellar disk.
AG Per	*Kenny, H.T., Taylor, A.R.* 2007, ApJ 662, 1231. (1r) Colliding-wind geometry.
DV Psc (GSC 0008.324)	*Vaňko, M., Parimucha, Š., Pribulla, T.* 2007, Astron. Nachr. 328, 655. (1ao, 5abcde)
VV Pup	*Mason, E. et al.* (4 authors) 2007, A&A 467, 277. (2do)
U Sge	*Manzoori, D., Gozaliasl, G.* 2007, AJ 133, 1302. (5b) Analysis of AAVSO times of minima.
QX Sge (PSR B1957+20)	*Reynolds, M.T. et al.* (6 authors) 2007, MNRAS 379, 1117. (1aio, 5ceg, 8a) Light curve analysis of the companion star.
V617 Sgr	*Steiner, J.E. et al.* (4 authors) 2007, A&A 471, L25. (2ao) Transient jets.
V3885 Sgr	*Ribiero, F.M.A., Diaz, M.P.* 2007, AJ 133, 2659. (2do, 5i) Flickering tomography of CV suggests source is secondary, not disk.
V4046 Sgr	*Günther, H.M., Schmitt, J.H.M.M.* 2007, MmSAI 78, 359. (2x, 5i) Model of x-ray emission.
V4332 Sgr	*Banerjee, D.P.K. et al.* (5 authors) 2007, ApJ 666, L25. (2i) Detection of alumina dust.
V4580 Sgr (SAX J1808.4−3658)	*Falanga, M., Titarchuk, L.* 2007, ApJ 661, 1084. (8b) Comptonized model to explain energy-depedent time lag. *Heinke, C.O. et al.* (4 authors) 2007, ApJ 660, 1424. (2x) Constraints on NS cooling models.
V4633 Sgr (Nova 1998)	*Hernanz, M., Sala, G.* 2007, ApJ 664, 467. (1x) XMM-Newton observations.
V5115 Sgr (Nova 2005)	*Henden, A., Di Scala, G.* 2007, IBVS No. 5783 (1a, 4a, 6d) Quiescent photometry.

V5558 Sgr	2007, IAU Circ. 8834 (1ac, 4a, 6b) Discovery and designation of nova.
	2007, IAU Circ. 8854 (1d, 2ci) Featureless spectrum from classical nova.
V818 Sco (Sco X-1)	*Chang, H.-K. et al.* (4 authors) 2007, MNRAS 378, 1287. (1x*, 5c) Millisecond dips in the RXTE/PCA light curve.
	Muñoz-Darias, T. et al. (8 authors) 2007, MNRAS 379, 1637. (1aox, 5cgi) Echoes from the companion star.
	Yu, W. 2007, ApJ 659, L145. (2x) Coupling between QPO's.
V1186 Sco (Nova 2004)	*Schwarz, G.J. et al.* (23 authors) 2007, AJ 134, 516. (1ao, 1a*, 2dio) Early spectrophotometric evolution.
V1280 Sco	2007, IAU Circ. 8845 (2ci) Nova at low excitation state.
V1281 Sco	2007, IAU Circ. 8846 (2ci) Broad and double lines from nova.
V479 Sct (LS 5039)	*Bednarek, W.* 2007, A&A 464, 259. (2dg) Microquasar.
	de Naurois, M. 2007, Ap&SS 309, 277. (1g) Orbital modulation of γ-ray flux.
	Goldoni, P. et al. (6 authors) 2007, Ap&SS 309, 293. (1x) Detection in hard x-rays.
UZ Ser	*Echevarría, J., Michel, R.* 2007, Rev. Mex. Astron. Astrofiz. 43, 291. (2ao, 5bd) Masses and inclination constrained.
NP Ser (GX 17+2)	*Farinell, R., Titarchuk, L., Frontera, F.* 2007, ApJ 662, 1167. (2x) Hard x-ray tail in NS LMXB.
UZ Tau E	*Jensen, E.L.N. et al.* (8 authors) 2007, AJ 134, 241. (1ao, 2ao, 5di) Pre-ms SB shows periodic accretion.
V471 Tau	*Kamiński, K.Z. et al.* (10 authors) 2007, AJ 134, 1206. (1ao, 2ado, 5bdg) MOST photometry, period study.
V725 Tau (A 0535+26)	*Grundstrom, E.D. et al.* (12 authors) 2007, ApJ 660, 1398. (2dox) Study of circumstellar disk.
RR Tel	*Selvelli, P., Danziger, J., Bonifacio, P.* 2007, A&A 464, 715. (2c, 5g) Symbiotic nova.
KZ TrA (4U 1626−67)	*Krauss, M.I. et al.* (5 authors) 2007, ApJ 660, 605. (2cx) High-energy lines probably formed in AD.
AR UMa	*Mason, P.A., Gray, C.L.* 2007, ApJ 660, 662. (2r) Persistent radio polar.
AW UMa	*Paczyński, B., Sienkiewicz, R., Szczygiel, D.M.* 2007, MNRAS 378, 961. (8ac) Evolutionary model proposed.
CH UMa	*Sion, E.M. et al.* (4 authors) 2007, AJ 134, 886. (2cdu, 8ab)
RW UMi	*Tamburini, F. et al.* (4 authors) 2007, A&A 464, 697. (1o)
γ^2 Vel	*North, J.R. et al.* (4 authors) 2007, MNRAS 377, 415. (2ao, 5de) Absolute parameters and accurate distance determination of O+WR system.
δ Vel	*Kellerer, A. et al.* (4 authors) 2007, A&A 469, 633. (4c, 5e) Study of the CB Aa-Ab.
CV Vel	*Yakut, K., Aerts, C., Morel, T.* 2007, A&A 467, 647. (2ao, 1o*, 5cde)
IX Vel	*Linnell, A.P. et al.* (5 authors) 2007, ApJ 662, 1204. (1aiu, 2c, 5cj) Synthetic spectrum and light-curve analysis of nova-like variable.
BH Vir	Xiang, F.-Y., Tao, X., Tian, Y.-P. 2007, PASJ 59, 955. (5c) Spot activity.
NY Vir (PG 1336−018)	*Vučković, M. et al.* (8 authors) 2007, A&A 471, 605. (1ao, 2ao, 5e) EB with pulsating B-subdwarf.
22 Vul	*Eaton, J.A., Shaw, F.G.* 2007, AJ 133, 2669. (1bo, 2ado, 2du*, 5cdgjk)

CK Vul	*Hajduk, M. et al.* (12 authors) 2007, MNRAS 378, 1298. (1aor, 2ac, 5cdej) The slowest known nova and central star of nebula.

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

HR 672	*Fekel, F.C., Williamson, M., Pourbaix, D.* 2007, AJ 133, 2431. (2abo, 4b, 5de) Hipparcos astrometry of 93-day SB1.
HR 2142	Pollmann, E. 2007, IBVS No. 5778 (2d) Hα observations of CB.
HR 3451	*Griffin, R.F.* 2007, Observatory 127, 113. (2a, 5d) F-type SB2.
HR 6046	*Scarfe, C.D., Griffin, R.F., Griffin, R.E.M.* 2007, MNRAS 376, 1671. (2abc, 5bd) Detection of secondary component; SB2 system consisting of two late-type evolved stars; previously suspected exotic nature of secondary ruled out.
HR 8082 B	*Griffin, R.F.* 2007, Observatory 127, 225. (2a, 5d) Triple system.
HD 4004	*Flores, A. et al.* (4 authors) 2007, AJ 133, 2859. (2acdo, 5bgj) WR star that is probably binary.
HD 26367	*Gray, R.O., Griffin, R.E.M.* 2007, AJ 134, 96. (2d, 5e, 6b) New SB Ba dwarf.
HD 28545	*Tomkin, J.* 2007, Observatory 127, 165. (2a, 5d) Hyades SB2.
HD 30869	*Tomkin, J., Griffin, R.F., Alzner, A.* 2007, Observatory 127, 87. (2ad, 4b, 5de) Visual-spectroscopic quadruple system in Hyades.
HD 33636	*Bean, J.L. et al.* (7 authors) 2007, AJ 134, 749. (2a, 4a) HST astrometry and precise RVs show companion is low-mass star not planet or brown dwarf.
HD 47647	*Griffin, R.F.* 2007, Observatory 127, 113. (2a, 5d) F-type SB2.
HD 50730 B	*Griffin, R.F.* 2007, Observatory 127, 225. (2a, 5d) High-velocity SB1.
HD 50896	*Flores, A. et al.* (4 authors) 2007, AJ 133, 2859. (2acdo, 5bgj) WR star that is probably binary.
HD 113995	*Griffin, R.F.* 2007, Observatory 127, 171. (2a) Long-period SB followed through nodal passage.
HD 143418	*Božić, H. et al.* (10 authors) 2007, A&A 464, 263. (1abo, 2aco, 5cdek, 6b)
HD 172189	*Costa, J.E.S. et al.* (15 authors) 2007, A&A 468, 637. (1ao) Determination of δ Sct pulsational frequencies.
HD 209625	*Carrier, F. et al.* (5 authors) 2007, A&A 470, 1009. (2ao) No solar-like oscillations.
HD 213014 B	*Griffin, R.F.* 2007, Observatory 127, 225. (2a, 5d) SB2.
HD 217860	*Frémat, Y. et al.* (12 authors) 2007, A&A 471, 675. (2ao) Pulsational study of δ Sct component.
HD 223323	*Griffin, R.F.* 2007, Observatory 127, 113. (2a, 5d) F-type SB2.
CPD $-41°7733$	*Sana, H., Rauw, G., Gosset, E.* 2007, ApJ 659, 1582. (2box) First detection of secondary spectrum.

X-ray sources with constellation names

Cep X-4	(see V490 Cep)

Cir X-1	(see BR Cir)
Cyg X-1	(see V1357 Cyg)
Cyg X-2	(see V1341 Cyg)
Cyg X-3	(see V1521 Cyg)
Her X-1	(see HZ Her)
X Sgr X-4	(see 4U 1820−303)
Sco X-1	(see V818 Sco)
Sct X-1	(see AX J1835.4−0737)

Galactic objects with names including RA and DEC

IGR J00291+5934	*Falanga, M., Titarchuk, L.* 2007, ApJ 661, 1084. (8b) Comptonized model to explain energy-depedent time lag. *Linares, M., van der Klis, M., Wijnands, R.* 2007, ApJ 660, 595. (8b) Accreting ms pulsar with x-ray variability similar to BH.
IGR J00370+6122	*in't Zand, J.J.M. et al.* (5 authors) 2007, A&A 469, 1063. (1x) Probable accretion-powered x-ray pulsar.
RX J0111.2−7317	*Kaur, R. et al.* (4 authors) 2007, ApJ 660, 1409. (2x) QPO's constrain the magnetic field strength.
HE 0230−4323	*Koen, C.* 2007, MNRAS 377, 1275. (1ao, 5abcg) An unusual pulsating hot subdwarf star.
VS 0329+1250	*Shafter, A.W., Coelho, E.A., Reed, J.K.* 2007, PASP 119, 388. (1ao, 6b) New SU UMa system.
A 0535+26	(see V725 Tau)
COUP J053512.1−053138 (JW 380)	*Irwin, J. et al.* (17 authors) 2007, MNRAS 380, 541. (1ao, 2abc, 5abcdeg) A low-mass pre-main-sequence EB.
2MASS J05352184−0546085	*Stassun, K.G., Mathieu, R.D., Valenti, J.A.* 2007, ApJ 664, 1154. (1ai, 2a, 5bcd) Higher-mass brown dwarf has lower temperature.
1RXS J064117.0+464904 (GSC 3377.0296)	*Lloyd, C., Bernhard, K., Monninger, G.* 2007, IBVS No. 5772 (1a, 2b) New short-period eclipsing RS CVn variable.
CXOU J073709.1+653544	*Trudolyubov, S.P., Priedhorsky, W.C., Cordova, F.A.* 2007, ApJ 663, 487. (1x, 2x) Very fast spin-up rate for x-ray pulsar.
SDSS J091709.55+463821.8	*Kilic, M.* 2007, ApJ 664, 1088. (2a, 5ek) A low-mass WD-WD binary discovered?
HS 0922+1333	*Tovmassian, G.H., Zharikov, S.V.* 2007, A&A 468, 643. (1ao, 2a) Spin-orbit synchronism in magnetic CV.
GRO J1008−57	*Coe, M.J. et al.* (10 authors) 2007, MNRAS 378, 1427. (1xg, 2bc, 5abcdeg) The circumstellar disc and study of the pulse period variations.
SDSS J102146.44+234926.3	*Golovin, A. et al.* (13 authors) 2007, IBVS No. 5763 (1a, 2c) New WZ Sge-type dwarf nova.
1A 1118−615	*Rutledge, R.E. et al.* (6 authors) 2007, ApJ 658, 514. (2x) Pulsations at low x-ray luminosity.
4U 1145−619	(see V801 Cen)
1E 1207.4−5209	*Woods, P.M., Zavlin, V.E., Pavlov, G.G.* 2007, Ap&SS 308, 239. (1x) Evidence for LMXB nature.

1A 1246−588	*Jonker, P.G. et al.* (4 authors) 2007, MNRAS 378, 1187. (1x, 5cgi) Detection of high-amplitude kilohertz QPO.
XB 1254−690	(see GR Mus)
PSR B1259−63	*Neronov, A., Chernyakova, M.* 2007, Ap&SS 309, 253. (1gx, 5i) Interaction pulsar - disc. *Khangulyan, D., Hnatic, S., Aharonian, F.* 2007, Ap&SS 309, 261. (1g) Phase dependent γ-ray flux.
PG 1336−018	(see NY Vir)
XTE J1550−564	(see V381 Nor)
1E 161348−5055	*de Luca, A. et al.* (5 authors) 2007, Ap&SS 308, 231. (1x, 5b) Identified as LMXB.
IGR J1619.4−2810	*Masetti, N. et al.* (10 authors) 2007, A&A 470, 331. (1ao, 1x, 6c) New symbiotic XRB.
4U 1624−490	*Xiang, J., Lee, J.C., Nowak, M.A.* 2007, ApJ 660, 1309. (2x) Distance of 15 kpc, dust distribution.
4U 1626−67	(see KZ TrA)
4U 1630−47	*Spiram, K. et al.* (4 authors) 2007, ApJ 661, 1055. (2x) Anticorrelation between hard and soft x-rays.
IGR J16318−4848	*Ibarra, A. et al.* (8 authors) 2007, A&A 465, 501. (2dx, 5i) HMXB.
4U 1636−536	(see V801 Ara)
4U 1705−44	*Piraino, S. et al.* (10 authors) 2007, A&A 471, L17. (1x) Hard x-ray emission in soft state.
1M 1716−315	*Jonker, P.G., Bassa, C.G., Wachter, S.* 2007, MNRAS 377, 1295. (1aix, 5cgi, 6c) Analysis of Chandra x-ray observations.
EXO 1722−363	*Thompson, T.W.J. et al.* (5 authors) 2007, ApJ 661, 447. (2x, 5de) Recent torque reversal.
KS 1741−293	*De Cesare, G. et al.* (7 authors) 2007, MNRAS 380, 615. (1x, 5bcg) INTEGRAL high-energy monitoring.
PSR J1744−3922	*Breton, R.P. et al.* (7 authors) 2007, ApJ 661, 1073. (1ai, 2r) Radio flux variability probably not resulting from pulsar.
XMMU J174716.1−281048	*Del Santo, M. et al.* (6 authors) 2007, A&A 468, L17. (1x) Identification as LMXB.
XTE J1748−288	*Brocksopp, C. et al.* (4 authors) 2007, MNRAS 378, 1111. (1rx, 5cgi, 8a) A highly polarized radio jet during the 1998 outburst.
XTE J1751−305	*Falanga, M., Titarchuk, L.* 2007, ApJ 661, 1084. (8b) Comptonized model to explain energy-depedent time lag.
SWIFT J1753.5−0127	*Bel, M.C. et al.* (14 authors) 2007, ApJ 659, 549. (2iorx) Simultaneous multiwavlength observations. *Ramadevi, M.C., Seetha, S.* 2007, MNRAS 378, 182. (1ax, 5bcgi, 6c) Analysis of RXTE observations of the low/hard state x-ray outburst. *Zhang, G.-B. et al.* (8 authors) 2007, ApJ 659, 1511. (2x) Observed during outburst, dominated by hard x-rays.
SAXJ1808.4−3658	(see V4580 Sgr)
XTE J1810−197	*Camilo, F. et al.* (11 authors) 2007, ApJ 663, 497. (1rx) Nine months of radio monitoring, plus simultaneous Chandra/Greenbank observations of anomalous x-ray pulsar.
XTE J1817−330	*Rykoff, E.S. et al.* (4 authors) 2007, ApJ 666, 1129. (1x, 2x) 160 days of observations following 2006 outburst: cooling of accretion disk.

4U 1820−303 (X Sgr X-4)	*Zdziarski, A.A. et al.* (4 authors) 2007, MNRAS 377, 1017. (1bx*, 2d, 5cegi) Dependence of orbital modulation of x-rays on accretion rate.
4U 1822−000	*Shahbaz, T., Watson, C.A., Hernandez-Peralta, H.* 2007, MNRAS 376, 1886. (1ao, 5c) Optical light curve shows periodic modulation; P = 191 min rules out ultracompact nature of x-ray binary.
AX J1835.4−0737 (Sct X-1)	*Kaplan, D.L. et al.* (8 authors) 2007, ApJ 661, 437. (1i*ox,6c) Corrected position; system consists of late giant and NS.
IGR J18483−0311	*Sguera, V. et al.* (13 authors) 2007, A&A 467, 249. (2dx, 1oi*) Accreting x-ray pulsar in HMXB.
HETE J1900.1−2455	*Falanga, M. et al.* (8 authors) 2007, A&A 464, 1069. (2dx*, 5i) Accreting millisecond pulsar.
1H 1905+000	*Jonker, P.G. et al.* (4 authors) 2007, ApJ 665, L147. (1x, 1ao) A cold NS in the soft x-ray transient.
IGR J19140+0951	*Hannikainen, D.C. et al.* (6 authors) 2007, MNRAS 380, 665. (1aix, 2bc, 5cdeg, 6c) On the nature of the infrared counterpart.
GRS 1915+105	(see V1487 Aql)
KPD 1930+2752	(see V2214 Cyg)
4U 1954+31	*Masetti, N. et al.* (8 authors) 2007, A&A 464, 277. (2dx, 5i) Symbiotic x-ray binary consists of NS + M giant.
PSR B1957+20	(see QX Sge)
IRAS 20349+4010 (WR 147)	*Skinner, S.L. et al.* (4 authors) 2007, MNRAS 378, 1491. (1ax, 2bx, 5cdghj, 8a) X-ray observations and modelling.
GRO J2058+42	*Kızıloğlu, U. et al.* (5 authors) 2007, A&A 470, 1023. (1ao, 2c) non-radial pulsations of Be component.
2MASS J23080834+3338039 (HAT-TR-205-013)	*Beatty, T.G, et al.* (10 authors) 2007, ApJ 663, 573. (1a, 2a, 5cde) Light curve and single-line radial-velocity solution of F7+late M MS binary.
SDSS J233325.92+152222.1	*Southworth, J. et al.* (5 authors) 2007, MNRAS 378, 635. (1ao, 2a, 5bcdg) Phase-resolved spectroscopy and photometry.

Galactic objects with other designations

Cha Hα 2	*Schmidt, T.O.B. et al.* (6 authors) 2007, Astron. Nachr. 328, 659. (1ao, 2ao, 4b) Binary brown dwarf candidate in Cha I dark cloud.
GSC 0008.324	(see DV Psc)
GSC 1874.399	*Austin, S.J. et al.* (5 authors) 2007, AJ 133, 1934. (1abo, 2abd, 5cdg) New contact binary with starspots.
GSC 3377.0296	(see 1RXS J064117.0+464904)
GX 17+2	(see NP Ser)
GX 339-4	(see V821 Ara)
H1-36	*Angeloni, R. et al.* (4 authors) 2007, A&A 471, 825. (2crou) SED fitting.
HAT-TR-205-013	(see 2MASS J23080834+3338039)
JW 380	(see COUP J053512.1−053138)
LS 5039	(see V479 Sct)
LS I +61°303	(see V615 Cas)
OGLE GC 228	*Kaluzny, J. et al.* (7 authors) 2007, AJ 134, 541. (1ao, 2ao, 5abcde) Eclipsing blue straggler in 47 Tuc.

SS 433	(see V1343 Aql)
V209 ω Cen	*Kaluzny, J. et al.* (5 authors) 2007, AJ 133, 2457. (1ao, 2ao, 5abcde) CB in unusual position in c-m diagram of cluster.
WR 147	(see IRAS 20349+4010)

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RXJ0042.3+4115 in M31	*Barnard, R., Kolb, U.C., Osborne, J.P.* 2007, A&A 469, 873. (10b) Wrong identification.
M31 N 2005-09c	*Hatzidimitriou, D. et al.* (6 authors) 2007, A&A 464, 1075. (1ao, 2bo) A fast Fe II nova in the disk of M 31.
M85 OT 2006-1	*Kulkarni, S. R. et al.* (14 authors) 2007, Nature 447, 458. (1ao, 2co, 6b) Optical transient may be binary star merger.
	Rao, A. et al. (4 authors) 2007, ApJ 659, 1536. (2i, 5e) Constraints on temperature and size.
NGC 300 X-1	*Carpano, S. et al.* (7 authors) 2007, A&A 466, L17. (2dx, 5i) A 33-hour period for the WR/BH XB.
NGC 1313 X-2	*Feng, H., Kaaret, P.* 2007, ApJ 660, L113. (2x) Evidence against the cool disk model.
NGC 1365 X-1	*Soria, R. et al.* (7 authors) 2007, MNRAS 379, 1313. (1aox, 5cegij) New flaring of an ultraluminous x-ray source.
XRB in NGC 4631	*Carpano, S. et al.* (5 authors) 2007, A&A 471, L55. (1x, 5i) Ultraluminous supersoft source.
SN 2003fg (SNLS 03D3bb)	*Hillebrandt, W., Sim, S. A., Röpke, F. K.* 2007, A&A 465, L17. The first clear case of a double-degenerate progenitor of a (peculiar) SN Ia?
SN 2006X	*Patat, F. et al.* (22 authors) 2007, Science 317, 924. (2aou) Detection of circumstellar material in SN Ia.

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