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Commission 42

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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.  $\gamma$ -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

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 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

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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

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## Individual Stars

- Z And *Bisikalo, D.V. et al.* (5 authors) 2006, AZh 83, 809. (8bd) Colliding-wind model of outburst.  
*Skopal, A. et al.* (7 authors) 2006, A&A 453, 279. (1aox, 2ou, 5i) Study of hot object.
- BL And *Zhu, L., Qian, S.* 2006, MNRAS 367, 423. (1abo, 5abc)
- RV Aps *Khaliullin, Kh.F. et al.* (4 authors) 2006, IBVS 5722. (5c) EB for gravity-darkening study.
- VY Aqr *Mennickent, R.E., Unda-Sanzana, E., Tappert, C.* 2006, A&A 451, 613. (2co) Doppler tomography of dwarf nova.
- AE Aqr *Choi, C-S., Dotani, T.* 2006, ApJ 646, 1149. (1x) X-ray flare observed, timing analysis.  
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*Mauche, C.W.* 2006, MNRAS 369, 1983. (1x, 5abcecgk) White dwarf spinning down.  
*Watson, C.A., Dhillon, V.S., Shabaz, T.* 2006, MNRAS 368, 637. (1ao, 2ao, 5e) Tomographic reconstruction of secondary reveals spots.
- XZ Aql *Soydugan, F. et al.* (4 authors) 2006, Astron. Nachr. 327, 705. (5ab) Algol system with probable third body.
- V1343 Aql  
(SS 433) *Begelman, M.C., King, A.R., Pringle, J.E.* 2006, MNRAS 370, 399. (5gij, 8ad) Mass outflow and the ultraluminous x-ray sources.  
*Chakrabarti, S.K., Pal, S., Nandi, A.* 2006, A&A 453, 965. (1ao, 2x, 5i)
- V1405 Aql  
(XB 1916–053)  
(4U 1916–05) *Iaria, R. et al.* (5 authors) 2006, ApJ 647, 1341. (1x, 2x) Persistent emission from LMXB dipping source.  
*Juett, M., Chakrabarty, D.* 2006, ApJ 646, 493. (2x) Highly ionized metal absorption lines.
- V1430 Aql *Erdem, A., Sürçit, D.* 2006, Astron. Nachr. 327, 335. (1bo, 5ce) BVR light curve analysis of active pre-main sequence EB with spots.
- V1432 Aql *Andronov, I.L., Baklanov, A.V., Burwitz, V.* 2006, A&A 452, 941. (1ao, 5i)
- V1487 Aql  
(GRS 1915+105) *Belloni, T. et al.* (5 authors) 2006, MNRAS 369, 305. (1x, 5bcg) High-frequency QPOs.  
*Martocchia, A. et al.* (6 authors) 2006, A&A 448, 677. (2dx) BH LMXB.  
*Misra, R. et al.* (4 authors) 2006, ApJ 643, 1114. (8) Nonlinear time-series analysis.  
*Schnittman, J.D., Homan, J., Miller, J.M.* 2006, ApJ 642, 420. (5i) Precessing ring model for low frequency QPO's.
- V1493 Aql *Dobrotka, A. et al.* (5 authors) 2006, A&A 448, 1107. (5c) Detection of orbital period in nova.
- 12 Boo *Tomkin, J., Fekel, F.* 2006, AJ 131, 2653. (2ao, 5de)
- AR Boo *Samec, R.G., Loflin, T.S., Van Hamme, W.* 2006, IBVS 5696. (1a, 5c) BVRI CCD observations.
- FI Boo *Terrell, D. et al.* (4 authors) 2006, AJ 132, 1153. (1aoi, 2a\*, 5cde)
- SV Cam *Jeffers, S.V. et al.* (5 authors) 2006, MNRAS 367, 1308. (1bou, 5g) High S/N STIS observations of F9 V+K4 V system used to test PHOENIX and ATLAS model atmospheres.

AS Cam	<i>Kozyreva V.S., Zakharov A.I.</i> 2006, LeAZh 32, 349. (1b, 5c) Pulsations in EB.
BQ Cam (V0332+53)	<i>Mowlavi, N. et al.</i> (10 authors) 2006, A&A 451, 187. (2dx, 5gi) HMXB. <i>Reig, P., Martínez-Núñez, S., Reglero, V.</i> 2006, A&A 449, 703. (2dx)
CI Cam	<i>Barsukova, E.A. et al.</i> (6 authors) 2006, AZh 83, 745. (1b, 2b, 5c) Photometry and spectroscopy in 1998-2005.
WY Cnc	<i>Kozhevnikova, A.V. et al.</i> (4 authors) 2006, IBVS 5723. (1ab, 5c) Detection of large flare in RS CVn star.
AH Cnc	<i>Qian, S.-B. et al.</i> (5 authors) 2006, AJ 131, 3028. (1ao, 5abc) Possible third light and light-time effect in overcontact binary.
AR Cnc	<i>Haefner, R.</i> 2006, IBVS 5712. (2ac) Spectroscopy of faint dwarf nova.
XZ CMi	<i>Samec, R. et al.</i> (5 authors) 2006, Observatory 126, 255. (1ao, 5abc) Near-contact binary
$\eta$ Car	<i>Martin, J.C. et al.</i> (5 authors) 2006, PASP 118, 697. (2d) Unidentified variable emission at 6307 Å.
V395 Car (2S 0921–630)	<i>Abubekkerov, M.K. et al.</i> (4 authors) 2006, AZh 83, 609. (5d) Mass of compact object in LMXB.
RZ Cas	<i>Narusawa, S. et al.</i> (4 authors) 2006, PASJ 58, 617. (2cdo, 5gh) Discovery of a $\lambda$ Bootis-like abundance pattern. <i>Narusawa, S.-Y. et al.</i> (5 authors) 2006, PASP 118, 809. (2d) H $\alpha$ observations in eclipse.
SX Cas	<i>Pirola, V. et al.</i> (5 authors) 2006, A&A 454, 277. (3a, 5i) UBVRI polarimetry.
V615 Cas (LS I +61°303)	<i>Albert, J. et al.</i> (148 authors) 2006, Science 312, 1771. (1bg) Variable very high energy $\gamma$ -ray emission in HMXB. <i>Bednarek, W.</i> 2006, MNRAS 368, 579. (1g, 2dg, 8b) TeV $\gamma$ -ray characteristics in massive binary of microquasar type. <i>Dubus, G.</i> 2006, A&A 451, 9. (2dg*)
V635 Cas (4U 0115+63)	<i>Nakajima, M. et al.</i> (4 authors) 2006, ApJ 646, 1125. (1x, 2x) Observations covering outburst of x-ray pulsar.
V662 Cas (2S 0114+650)	<i>Farrell, S.A., Sood, R.K., O'Neill, P.M.</i> 2006, MNRAS 367, 1457. (1x) Super-orbital, orbital and spin periods of HMXB determined.
V723 Cas	<i>Iijima, T.</i> 2006, A&A 451, 563. (2oc)
V831 Cas (RX J0146.9+6121)	<i>La Palombara, N., Mereghetti, S.</i> 2006, A&A 455, 283. (2x, 5i)
$\beta$ Cen	<i>Ausseloos, M. et al.</i> (5authors) 2006, A&A 455, 259. (2ao, 4c, 5e) Application of spectral disentangling.
V384 Cen	<i>Gerke, J.R., Howell, S.B., Walter, F.W.</i> 2006, PASP 118, 678. (1aoi, 2d, 5i) Polar changing state.
V779 Cen (Cen X-3)	<i>Nazarenko, V.V.</i> 2006, AZh 83, 726. (8bd) 3D hydrodynamical modelling of accretion-disk formation.
XX Cep	<i>Angione, R.J., Sievers, J.R.</i> 2006, AJ 131, 2209. (1bo, 2ad, 5bcdefg)
CX Cep	<i>Villar-Sbaffi, A. et al.</i> (4 authors) 2006, ApJ 640, 995. (1aio, 5e) Extremely misaligned highly flattened wind.
EG Cep	<i>Diamond, B. et al.</i> (4 authors) 2006, IBVS 5728. (5a) Times of minima.
EY Cep	<i>Lacy, C.H.S. et al.</i> (4 authors) 2006, AJ 131, 2664. (1bo, 2a, 5abcde)
WW Cet	<i>Godon, P. et al.</i> (4 authors) 2006, AJ 131, 2634. (2d*, 5gi)

WX Cet *Mennickent, R.E., Unda-Sanzana, E., Tappert, C.* 2006, A&A 451, 613. (2co) Doppler tomography of dwarf nova.

BR Cir (Cir X-1) *Ding, G.Q. et al.* (4 authors) 2006, ApJ 645, 576. (1x, 2x) Hard x-ray light curves and spectra with orbital phase.

UU Col *de Martino, D. et al.* (8 authors) 2006, A&A 454, 287. (1x, 5i) XR timing analysis.

W Cru *Pavlovski, K., Burki, G., Mimica, P.* 2006, A&A 454, 855. (1bo, 5i) Eclipse mapping of accretion disk.

BF Cyg 2006, IAU Circ. 8746 (2ci) Low-excitation shell.

GO Cyg *Zabihinpoor, S.M., Dariush, A., Riazi, N.* 2006, Ap&SS 302, 27. (1ao, 5bc)

V370 Cyg *Niarchos, P.G., Manimanis, V.N.* 2006, IBVS 5692. (1a, 6d) Complete BVRI light curves.

V380 Cyg *Roman, R., Roman, S.A.* 2006, IBVS 5695. (5af) Request for new observations.

V444 Cyg *Hirv, A. et al.* (7 authors) 2006, Baltic Astronomy 15, 405. (2ao, 5dj) Orbital elements and mass-loss rate.

V1357 Cyg (Cyg X-1) *Axelsson, M., Borgonovo, L., Larsson, S.* 2006, A&A 452, 975. (1x\*, 5i)  
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*Lachowicz, P. et al.* (5 authors) 2006, MNRAS 368, 1025. (1r\*x\*, 5abcg) Periodic long-term x-ray and radio variability.  
*Malzac, J. et al.* (14 authors) 2006, A&A 448, 1125. (2dx)  
*Shaposhnikov, N., Titarchuk, L.* 2006, ApJ 643, 1098. (2cdx\*) Strong correlation between QPO's and spectral index.

V1521 Cyg (Cyg X-3) *Martí, J. et al.* (7 authors) 2006, A&A 451, 1037. (1ir) Observations of surrounding area.

V1898 Cyg *Dallaporta, S., Munari, U.* 2006, IBVS 5714. (1b, 5ab) Accurate BV lightcurve of EB.

V2362 Cyg 2006, IAU Circ. 8697 (1ac, 4a, 6b) Possible new nova.  
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2006, IAU Circ. 8702 (2c, 4a, 6c) Ten-magnitude amplitude outburst?  
2006, IAU Circ. 8710 (2cdi) Fe II-novae with very low excitation.  
2006, IAU Circ. 8731 (2cdio) No evidence of dust.

EF Eri *Szkody, P. et al.* (6 authors) 2006, ApJ 646, L147. (1ou) FUV, NUV and V light curves at low state.

U Gem *Unda-Santana, E., Marsh, T.R., Morales-Rueda, L.* 2006, MNRAS 369, 805. (2ad, 5bdegij, 8a) Optical spectroscopy and modelling.

PQ Gem *Evans, P.A., Hellier, C., Ramsay, G.* 2006, MNRAS 369, 1229. (1aux, 2d, 5abcgi, 8ab) Complex pulsation caused by a spinning white dwarf.

AH Her *Spogli, C. et al.* (10 authors) 2006, IBVS 5727. (1a) BVRI observations of dwarf nova during outbursts in 2005.

AM Her *Kafka, S., Honeycutt, R.K., Howell, S.B.* 2006, AJ 131, 2673. (1ao, 2ado, 5g)  
*König, M., Beuermann, K., Gänsicke, B. T.* 2006, A&A 449, 1129. (5g) CV.

CC Her *Soydugan, F. et al.* (4 authors) 2006, Astron. Nachr. 327, 705. (5ab) Algol system with probable third body.

HS Her *Khaliullin, Kh.F., Khaliullina, A.I.* 2006, AZh 83, 406. (1b, 5ce) Photometric elements and evolutionary stages of components.

EX Hya *Hoogerwerf, R., Brickhouse, N.S., Mauche, C.W.* 2006, ApJ 643, L45. (2cdx) Accretion column structure.

VW Hyi *Smith, A.J., Haswell, C.A., Hynes, R.I.* 2006, MNRAS 369, 1537. (2abc, 5degi, 8a) Optical spectroscopy and Doppler tomography.  
*Warner, B., Woudt, P.A.* 2006, MNRAS 367, 1562. (1ao, 5i) Frequency doubling and tripling of rapid dwarf nova oscillations.

BL Hyi *Gerke, J.R., Howell, S.B., Walter, F.W.* 2006, PASP 118, 678. (1aoi, 2d, 5i) Polar changing state.

AR Lac *Siviero, A., Dallaporta, S., Munari, U.* 2006, Baltic Astronomy 15, 387. (1bo, 5abc) Period study and orbital solution.

HK Lac *Fröhlich, H.E., Kroll, P., Strassmeier, K.G.* 2006, A&A 454, 295. (1ao, 1co\*, 5a) Discovery of multi-periodicity.

V360 Lac *Linnell, A.P. et al.* (14 authors) 2006, A&A 455, 1037. (1ao, 2ao\*, 5bei) Application of spectral disentangling.

FH Leo *Vogt, N.* 2006, A&A 452, 985. (1ao\*, 2co\*) CV in multiple star system.

$\delta$  Lib *Bakiş, V. et al.* (6 authors) 2006, MNRAS 370, 1935. (1abo\*i\*, 2aco, 4a\*, 5abcdefg) Photometric, spectroscopic and astrometric analysis.

IL Lup  
(4U 1543–47) *Reig, P. et al.* (4 authors) 2006, ApJ 644, 424. (2cdx) Fourier resolved spectroscopy during 2002 outburst.

RR Lyn *Tomkin, J., Fekel, F.* 2006, AJ 131, 2653. (2ao, 5de)

BH Lyn *Stanishev, V., Kraicheva, Z., Genkov, V.* 2006, A&A 455, 223. (1ao, 5b, 5i)

$\beta$  Lyr *Nazarenko, V.V., Glazunova, L.V.* 2006, AZh 83, 430. (8bd) 3D hydrodynamical modelling of mass transfer including accretor wind.

AD Men *Schmidtobreick, L., Tappert, C.* 2006, A&A 455, 255. (1ao, 2ao, 5b)

V616 Mon  
(A0620–00) *Gallo, E. et al.* (8 authors) 2006, MNRAS 370, 1351. (1ax, 1r, 5cegij, 8ad) A radio-emitting outflow in the quiescent state.

V750 Mon  
(HD 53367) *Pogodin, M.A. et al.* (5 authors) 2006, A&A 452, 551. (2ac, 5j) Variability study.

V838 Mon *Kimeswenger, S., Eyres, S.P.S.* 2006, IBVS 5708. (1a) Variability before its outburst.

S Mus *Evans, N.R., Massa, D., Alexander, F.* 2006, ApJ 647, 1387. (2i, 5e) Determination of mass of binary Cepheid.

QV Nor *Baykal, A., Inam, S.Ç., Beklen, E.* 2006, A&A 453, 1037. (1x, 5b) Binary pulsar timings.

RS Oph 2006, IAU Circ. 8688 (1d, r) Ring of radio emission.  
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V2116 Oph (GX 1+4)	<i>Hinkle, K.H. et al.</i> (6 authors) 2006, ApJ 641, 479. (2adi, 5deh, 8c) Long-period symbiotic x-ray source.
V2216 Oph (GX 9+9)	<i>Kong, A.K.H. et al.</i> (5 authors) 2006, MNRAS 368, 781. (1aox, 2dx) Simultaneous optical/x-ray observations of HMXB.
V2575 Oph	2006, IAU Circ. 8710 (2cdi) Fe II-type CO novae with very low excitation. 2006, IAU Circ. 8728 (2cdio) Doubled profiles emission lines.
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V1647 Ori	2006, IAU Circ. 8694 (1ai) Star at pre-eruptive state?
AG Peg	<i>Eriksson, M., Johansson, S., Wahlgren, G.M.</i> 2006, A&A 451, 157. (2uc)
12 Per	<i>Bagnuolo, W.G. et al.</i> (11 authors) 2006, Aj 131, 2695. (4co, 5e) Masses and K-band intensity ratio.
V Per (Nova 1887)	<i>Shafter, A.W., Misselt, K.A.</i> 2006, ApJ 644, 1104. (1ao, 5abcei)
AO Psc	<i>Johnson, E.M., Imamura, J.N., Steiman-Cameron, T.Y.</i> 2006, PASP 118, 797. (1x, 2x, 5bg)
VV Pup	<i>Howell, S.B. et al.</i> (5 authors) 2006, AJ 131, 2216. (2di, 5cdei)
U Sge	<i>Manzoori, D., Jassur, D.M., Kermani, M.H.</i> 2006, Ap&SS 302, 145. (1ao, 5c)
WZ Sge	<i>Godon, P. et al.</i> (6 authors) 2006, ApJ 642, 1018. (2du, 5e) Large mass WD.
V505 Sgr	<i>Lázaro, C., Arévalo, M.J., Antonopoulou, E.</i> 2006, MNRAS 368, 959. (1bi, 5cde) IR light curve solution of Algol EB.
V4134 Sgr (4U 1755–33)	<i>Kaaret, P. et al.</i> (7 authors) 2006, ApJ 641, 410. (2dx) Evolution of x-ray jets.
V4332 Sgr	2006, IAU Circ. 8739 (2cdi) Moderate infrared excess.
V4580 Sgr (SAX J1808.4–3658)	<i>Bhattacharyya, S., Strohmayer, T.E.</i> 2006, ApJ 642, L161. (2d*) Spreading of thermonuclear flames on the NS. <i>Greenhill, J.G., Giles, A.B., Coutures, C.</i> 2006, MNRAS 370, 1303. (1ao, 1bx, 5bcgi, 6c) Transient I-band excess in the optical spectrum.
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V4643 Sgr (Nova 2001)	<i>Ashok, N.M. et al.</i> (4 authors) 2006, MNRAS 368, 592. (1bci, 2bci) Decline spectra of fast classical nova discussed.
V4743 Sgr (Nova 2002)	<i>Kang, T.W. et al.</i> 4( authors) 2006, AJ 132, 608. (1ao, 5b) IP candidate. <i>Leibowitz, E. et al.</i> (8 authors) 2006, MNRAS 371, 424. (1x, 5bcg) Variability and multiperiodic oscillations.
V4745 Sgr	<i>Dobrotka, A., Retter, A., Liu, A.</i> 2006, MNRAS 371, 459. (1ao, 5bceg) Period analysis.
V5117 Sgr	2006, IAU Circ. 8706 (1ad, 2cdi) Fe II nova in the low-excitation stage.

$\lambda$ Sco (HD 158926)	<i>Tango, W.J. et al.</i> (10 authors) 2006, MNRAS 370, 884. (2a*o, 4c, 5cdeg) Orbital elements, masses and distance.
U Sco	<i>Sarna, M.J., Ergma, E., Gerskevits, J.</i> 2006, Acta Astronomica 56, 65. (8c) Evolutionary consideration of recurrent nova.
RY Sct	<i>Sahade, J., West, R.M., Skul'sky, M. Yu.</i> 2006, Rev. Mex. Astron. Astrofis. 42, 301. (10b)
V475 Sct (Nova 2003)	<i>Kawabata, K.S. et al.</i> (9 authors) 2006, AJ 132, 433. (3b, 5j) First detection of high-velocity outflow in moderately fast nova.
V476 Sct (Nova 2005 No.1)	<i>Munari, U. et al.</i> (6 authors) 2006, MNRAS 369, 1755. (1ao, 2d, 4a, 5cdeg) Absolute spectrophotometry and photometric evolution.
V477 Sct	<i>Munari, U. et al.</i> (4 authors) 2006, A&A 452, 567. (1ao, 2ac) Unusual He/N nova.
$\theta^2$ Tau	<i>Armstrong, J.T. et al.</i> (8 authors) 2006, AJ 131, 2643. (4c, 5e) Masses and luminosities from interferometry do not fit evolutionary models.
EQ Tau	<i>Hrivnak, B.J. et al.</i> (4 authors) 2006, AJ 132, 960. (1ao, 2ax, 5abcde)
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V471 Tau	<i>Hussain, G.A.J. et al.</i> (4 authors) 2006, MNRAS 367, 1699. (2ao, 5g) Spot pattern analysis in WD+K2 V system.
V711 Tau	<i>Lanza, A.F. et al.</i> (5 authors) 2006, A&A 455, 595. (1ao) Long-term stellar activity study.
V725 Tau (A 0535+26)	<i>Coe, M.J. et al.</i> (5 authors) 2006, MNRAS 368, 447. (1aoix) X-ray outburst of Be/x-ray binary after 10 years of inactivity; interaction between disk and NS investigated.
V773 Tau	<i>Massi, M. et al.</i> (7 authors) 2006, A&A 453, 959. (4ci, 5j) PMS binary.
V781 Tau	<i>Kallrath, J. et al.</i> (6 authors) 2006, A&A 452, 959. (1ao, 2ao*, 5b)
RR Tel	<i>Kotnik-Karuza, D. et al.</i> (7 authors) 2006, A&A 452, 503. (1ai, 2c, 5j) Effects of dust obscuration.
QS Tel	<i>Gerke, J.R., Howell, S.B., Walter, F.W.</i> 2006, PASP 118, 678. (1aoi, 2d, 5i) Polar changing state.
V Tri	<i>Gürol, B., Müyesseroğlu, Z., Özdemir, T.</i> 2006, Astron. Nachr. 327, 698. (1ao, 5abce) Light curve and period study of $\beta$ Lyr-type EB with third component.
KZ TrA (4U 1626–67)	<i>Werner, K. et al.</i> (5 authors) 2006, A&A 450, 725. (2c, 5i) LMXB.
SW UMa	2006, IAU Circ. 8748 (1d) Superoutburst of CV.
XZ UMa	<i>Nelson, R.H., Terrell, D., Gross, J.</i> 2006, IBVS 5715. (1a, 2a, 5cd) Analysis of classical Algol.
BZ UMa	<i>Neustroev, V.V., Zharikov, S., Michel, R.</i> 2006, MNRAS 369, 369. (1ao, 2abc, 5bcdgij) Analysis of simultaneous photometric and spectroscopic observations.
DV UMa	<i>Haefner, R.</i> 2006, IBVS 5712. (2ac) Spectroscopy of faint dwarf nova.
KV UMa (XTE J1118+480)	<i>Gelino, D.M. et al.</i> (6 authors) 2006, ApJ 642, 438. (1aio, 5ce) Determined inclination angle and mass of BH. <i>Gonzalez-Hernandez, J.I. et al.</i> (6 authors) 2006, ApJ 644, L49. (2cdo, 5h) Compact primary probably formed in SN of massive star. <i>Zurita, C. et al.</i> (18 authors) 2006, ApJ 644, 432. (1aio) Optical and IR monitoring during 2005 outburst.
SS UMi	<i>Olech, A. et al.</i> (6 authors) 2006, A&A 452, 933. (1ao, 5i)



FL Vir	<i>Pettersen, B.R.</i> 2006, MNRAS 368, 1392. (1bu, 5cg) Flare activity study.
AO Vel	<i>González, J.F. et al.</i> (4 authors) 2006, A&A 449, 327. (2ao, 5de) Quadruple system with a ZAMS eclipsing BpSi primary.
BF Vel	<i>Manimanis, V.N., Niarchos, P.G.</i> 2006, IBVS 5704. (1a, 6d) Complete photometry of short-period Algol-type EB.
V382 Vel	<i>Balman, S., Retter, A., Bos, M.</i> 2006, AJ 131, 2628. (1ao, 5bgi) Detection of 3.5-hour period, plus long-term behaviour.
UY Vol (EXO 0748–676)	<i>Asai, K., Dotani, T.</i> 2006, PASJ 58, 587. (2x) Photo-ionized plasma in this LMXB. <i>Hynes, R.I. et al.</i> (8 authors) 2006, ApJ 648, 1156. (1ox, 2ox, 5c) Reprocessed x-ray emission. <i>Pearson, K.J. et al.</i> (9 authors) 2006, ApJ 648, 1169. (2u) Emission Line behaviour, tomography.

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

HR 3112	<i>Griffin, R.F.</i> 2006, Observatory 126, 265. (2a, 5d) Multiple system; $\gamma$ -velocity variable.
HR 3936	<i>Griffin, R.F.</i> 2006, Observatory 126, 119. (2a, 5d) $\gamma$ Dor variable.
HR 4454	<i>Griffin, R.F.</i> 2006, Observatory 126, 265. (2a, 5d) Multiple system; $\gamma$ -velocity variable.
HR 6169	<i>Tomkin, J., Fekel, F.</i> 2006, AJ 131, 2653. (2ao, 5de)
HD 1383	<i>Boyajian, D.R. et al.</i> (7 authors) 2006, ApJ 646, 1209. (2ac, 5bd) B-supergiant binary.
HD 9939	<i>Boden, A.F., Guillermo, T., Latham, D.W.</i> 2006, ApJ 644, 1193. (2ao, 4, 5d) Solution of high proper motion binary.
HD 14415	<i>Griffin, R.F.</i> 2006, Observatory 126, 265. (2a, 5d) Multiple system; $\gamma$ -velocity variable.
HD 53367	(see V750 Mon)
HD 100215	<i>Griffin, R.F.</i> 2006, Observatory 126, 119. (2a, 5d) $\gamma$ Dor variable.
HD 143511	<i>González, J.F., Levato, H.</i> 2006, A&A 448, 283. (5cde, 7d)
HD 152219	<i>Sana, H., Gosset, E., Rauw, G.</i> 2006, MNRAS 371, 67. (1x, 2abco, 5bcdeg) Optical spectroscopy and orbital solution.
HD 158926	(see $\lambda$ Sco)

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### X-ray sources with constellation names

Cen X-3	(see V779 Cen)
Cir X-1	(see BR Cir)
Cyg X-1	(see V1357 Cyg)
Cyg X-3	(see V1521 Cyg)
X Sgr X-1 (GX 3+1)	<i>Chenevez, J. et al.</i> (9 authors) 2006, A&A 449, L5. (2dx) LMXB.

## Galactic objects with names including RA and DEC

IGR J00234+6141	<i>Masetti, N. et al.</i> (12 authors) 2006, A&A 455, 11. (2bo, 6c) new CV.
PSR J0030+0451	<i>Lommen, A.N. et al.</i> (6 authors) 2006, ApJ 642, 1012. (4ar) Parallax and proper motion.
RX J0059.4–7118	<i>Kahabka, P., Haberl, F.</i> 2006, A&A 452, 431. (2bx) Close binary or cooling NS.
2S 0114+650	(see V662 Cas)
4U 0115+63	(see V635 Cas)
RX J0146.9+6121	(see V831 Cas)
IGR J01583+6713	<i>Masetti, N. et al.</i> (12 authors) 2006, A&A 455, 11. (2bo, 6c) New HMXB.
1RXS J020929.0+283243	<i>Denisenko, D.V. et al.</i> (6 authors) 2006, LeAZh 32, 283. (1b,5c) Deep eclipses.
TSS J022216.4+412259.9	<i>Imada, A. et al.</i> (8 authors) 2006, PASJ 58, L23. (1ao, 6b) Discovery of a new WZ Sge-type dwarf nova.
V 0332+53	(see BQ Cam)
XTE J0421+560	<i>Šimon, V. et al.</i> (4 authors) 2006, MNRAS 369, 355. (1x*, 5bcegi, 8acd) Analysis of x-ray observations and modelling.
RXS J053234.9+624755	<i>Kapusta, A.B., Thorstensen, J.R.</i> 2006, PASP 118, 1119. (1ao, 2ao, 5bd)
A 0535+26	(see V725 Tau)
IGR J06074+2205	<i>Masetti, N. et al.</i> (12 authors) 2006, A&A 455, 11. (2bo, 6c) Confirmed HMXB.
4U 0614+091	(see V1055 Ori)
A0620–00	(see V616 Mon)
PSR B0656+14	<i>Weltevrede, P. et al.</i> (4 authors) 2006, ApJ 645, L149. (1r, 2r) A nearby rotating radio transient?
MXB 0656–072	<i>McBride, V.A. et al.</i> (10 authors) 2006, A&A 451, 267. (1x, 5i) HMXB.
PSR J0737–3039	<i>Rafikov, R.R., Lai, D.</i> 2006, ApJ 641, 438. (8) Effects of pulsar rotation and orbital motion on timing measurements.
EXO 0748–676	(see UY Vol)
PSR J0751+1807	<i>Bassa, C.G., van Kerkwijk, M.H., Kulkarni, S.R.</i> 2006, A&A 450, 295. (1aoi) WD pulsar companion.
2S 0921–630	(see V395 Car)
XMMU J104536.4–594823 (FO 15)	<i>Niemela, V.S. et al.</i> (6 authors) 2006, MNRAS 367, 1450. (1ao, 2ab, 5ce, 6b) New ZAMS O5.5+O9.5 SB2/EB system.
XTE J1118+480	(see KV UMa)
SDSS J121209.31+013627.7	<i>Debes, J.H. et al.</i> (4 authors) 2006, ApJ 647, L147. (1ai, 2i) Detection of variable IR excess.
SDSS J123813.73–033933.0	<i>Zharikov, S.V. et al.</i> (5 authors) 2006, A&A 449, 645. (1ao, 2ao, 5cd) CV.
PSR B1259–63	<i>Chernyakova, M. et al.</i> (5 authors) 2006, MNRAS 367, 1201. (1x, 2dx) XMM, ASCA and BeppoSAX observations of pulsar-Be star system.
	<i>Dubus, G.</i> 2006, A&A 451, 9. (2dg*) HMXB.
2RXP J130159.6–635806	<i>Masetti, N. et al.</i> (12 authors) 2006, A&A 449, 1139. (1ao, 2do, 6bc) HMXB.
1RXH J132519.8–430312	<i>Ghosh, K.K. et al.</i> (5 authors) 2006, ApJ 640, 459. (2a, 6c) Optical counterpart probably a late O or early B.

PSR J1528–3146	<i>Jacoby, B.A. et al.</i> (5 authors) 2006, ApJ 640, L183. (1ai, 6c) Identify optical counterpart.
PSR J1537+1155 (B1534+12)	<i>Kargaltsev, O., Pavlov, G.G., Garmire, G.P.</i> 2006, ApJ 646, 1139. (1x, 2x) Double NS binary: x-ray emission powered by winds?.
4U 1543–47	(see IL Lup)
1RXS J154814.5–452845	<i>de Martino, D. et al.</i> (6 authors) 2006, A&A 449, 1151. (2ado, 5d) Long-period IP.
RX J1554.2+2721	<i>Schwope, A.D., Schreiber, M.R., Szkody, P.</i> 2006, A&A 452, 955. (2o, 5i) Detection of cyclotron harmonic.
PSR J1600–3053	<i>Ord, S.M. et al.</i> (4 authors) 2006, MNRAS 371, 337. (1r, 5bcegk) Results of high-precision timing.
1RXS J161008.0+035222	<i>Rodrigues, C.V. et al.</i> (7 authors) 2006, MNRAS 369, 1972. (1ai, 4ao, 5abceg, 8a) Modelling based on optical polarimetry and infrared photometry.
4U 1626–67	(see KZ TrA)
OA0 1657–415	<i>Audley, M.D. et al.</i> (5 authors) 2006, MNRAS 367, 1147. (2cx) ASCA observations of binary pulsar and its x-ray halo.
IGR J17091–3624	<i>Capitanio, F. et al.</i> (9 authors) 2006, ApJ 643, 376. (1ag, 2dx) Spectral and temporal evolution of source.
XTE J1720–318	<i>Chaty, S., Bessolaz, N.</i> 2006, A&A 455, 639. (1aio, 4a, 6c)
IGR J17252–3616	<i>Zurita Heras, J.A. et al.</i> (8 authors) 2006, A&A 448, 261. (2dx) HMXB with accreting pulsar.
H 1743–322	<i>Miller, J.M. et al.</i> (10 authors) 2006, ApJ 646, 394. (2ix, 5i) Microquasar observations: clues to disk and jet formation.
PSR J1748–2446ad	<i>Hessels, J.W.T. et al.</i> (6 authors) 2006, Science 311, 1901. (5kr) 716-Hz EB radio pulsar.
SAX J1748.2–2808	<i>Sidoli, L. et al.</i> (5 authors) 2006, A&A 456, 287. (1ax, 2xc) Proposed LMXB.
IGR J17544–2619	<i>Pellizza, L.J., Chaty, S., Nequeroela, I.</i> 2006, A&A 455, 653. (1aio, 5c) New HMXB.
4U 1755–33	(see V4134 Sgr)
PSR J1757–5322	<i>Jacoby, B.A. et al.</i> (5 authors) 2006, ApJ 640, L183. (1ai, 6c) Identify optical counterpart.
XTE J1807–294	<i>Zhang, F. et al.</i> (5 authors) 2006, ApJ 646, 1116. (2x) Timing features in outburst of accretion-driven millisecond x-ray pulsar.
SAX J1808.4–3658	(see V4580 Sgr)
4U 1812–12	<i>Tarana, A. et al.</i> (8 authors) 2006, A&A 448, 335. (2dx) LMXB.
XMMU J181227.8–181234	<i>Cackett, E.M., Wijnands, R., Remillard, R.</i> 2006, MNRAS 369, 1965. (1x, 5cg, 6b) Discovery of an x-ray transient.
SAX J1819.3–2525	(see V4641 Sgr)
RX J1826.2–1450 (LS 5039)	<i>Bednarek, W.</i> 2006, MNRAS 368, 579. (1g, 2dg, 8b) TeV $\gamma$ -ray characteristics in massive binary of microquasar type. <i>Dermer, C.D., Bottcher, M.</i> 2006, ApJ 643, 1081. (8d) $\gamma$ -rays from Compton scattering in jets of microquasar. <i>Dubus, G.</i> 2006, A&A 451, 9. (2dg*) HMXB.

1H 1905+000	<i>Jonker, P.G. et al.</i> (6 authors) 2006, MNRAS 368, 1803. (1ao*x, 2bc, 5cg, 6c) Analysis of x-ray and optical photometric and spectroscopic observations.
PSR J1906+0746	<i>Lorimer, D.R. et al.</i> (36 authors) 2006, ApJ 640, 428. (5ef, 6b) Measured spin-down and binary parameters of pulsar.
4U 1907+09	<i>Baykal, A., Inam, S.C., Beklen, E.</i> 2006, MNRAS 369, 1760. (1bx*, 2d, 5bcgi) Pulse timing analysis.
PSR J1911–5958A	<i>Bassa, C.G. et al.</i> (4 authors) 2006, A&A 456, 295. (1ao*, 2ao, 5e) <i>Cocozza, G. et al.</i> (4 authors) 2006, ApJ 641, L129. (1ao, 2do, 5de) System is member of cluster NGC6752.
IGR J19140+0951	<i>in't Zand, J.J.M. et al.</i> (5 authors) 2006, A&A 448, 1101. (2dx, 6c) HMXB.
GRS 1915+105	(see V1487 Aql)
4U 1916–05	(see V1405 Aql)
XB 1916–053	(see V1405 Aql)
KS 1947+300	<i>Naik, S. et al.</i> (4 authors) 2006, ApJ 647, 1293. (1x, 2x) X-ray pulsar observed during outburst decline.
SDSS J205017.84–053626.8	<i>Potter, S.B. et al.</i> (6 authors) 2006, MNRAS 371, 727. (1ao, 3ao, 5abcegi) A two pole accretor.
SDSS J212531.92–010745.9	<i>Nagel, T. et al.</i> (8 authors) 2006, A&A 448, L25. (1bo, 2do, 4c) First definite PG 1159 CB.
4U 2206+54	<i>Ribó, M. et al.</i> (5 authors) 2006, A&A 449, 687. (2du*x, 5gi) Wind accretion in HMXB.
1E 2259+58.6	<i>Ertan, U., Gogus, E., Alpar, M.A.</i> 2006, ApJ 640, 435. (2di*x*) Modelled x-ray and IR enhancement of LC.
1RXS J231603.9–052713	<i>Rodrigues, C.V. et al.</i> (7 authors) 2006, MNRAS 369, 1972. (1ai, 4ao, 5abceg, 8a) Modelling based on optical polarimetry and infrared photometry.

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### Galactic objects with other designations

FO 15	(see XMMU J104536.4–594823)
GSC 1419.0091	<i>Samec, R.G. et al.</i> (6 authors) 2006, IBVS 5697. (5abc, 6d) Extreme mass-ratio CB.
GSC 2038.0293	<i>Bernhard, K., Frank, P.</i> 2006, IBVS 5719. (1a, 5ab) New short-period eclipsing RS CVn variable.
GSC 3576.0170	<i>Nelson, R.H. et al.</i> (5 authors) 2006, IBVS 5724. (1a, 2b, 5a) New near-contact solar-type EB.
GX 1+4	(see V2116 Oph)
GX 3+1	(see X Sgr X-1)
GX 9+9	(see V2216 Oph)
LS 1135	<i>Fernández Lajús, E., Niemela, V.S.</i> 2006, MNRAS 367, 1709. (1a, 2a, 5ce) ASA observations of O-type SB1 EB used for light curve analysis.
LS 5039	(see RX J1826.2–1450)
LS I +61°303	(see V615 Cas)
RBS 0490	<i>Thorstensen, J.R., Lépine, S., Shara, M.</i> 2006, PASP 118, 1238. (1aoi, 2ao, 4a, 5bd) Nearby CV.

RCW 103	<i>De Luca, A. et al.</i> (5 authors) 2006, <i>Science</i> 313, 814. (2dx, 6b) Central source of SNR may be LMXB.
SS 433	(see V1343 Aql)
UNSW-TR-2	<i>Young, T.B. et al.</i> (7 authors) 2006, <i>MNRAS</i> 370, 1529. (1ao, 2ac, 5bcdeg, 6b) A new detached K7 dwarf EB.
WR 21a	<i>Niemela, V.S. et al.</i> (6 authors) 2006, <i>Rev. Mex. Astron. Astrofis. Ser. de Conf.</i> 26, 33. (2ad, 5d, 6b)
X7 (47 Tuc)	<i>Heinke, C.O. et al.</i> (4 authors) 2006, <i>ApJ</i> 644, 1090. (2x, 5e) H-atmosphere model for NS, radius determination.

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### Extragalactic close binaries

RX J0059.1-7505	<i>Kahabka, P., Haberl, F.</i> 2006, <i>A&amp;A</i> 452, 431. (2bx) Symbiotic binary in SMC.
M31 G1	<i>Pooley, D., Rappaport, S.</i> 2006, <i>ApJ</i> 644, L45. (2dx) X-rays from this globular cluster may be from intermediate BH or LMXB.
M33 X7	<i>Pietsch, W. et al.</i> (8 authors) 2006, <i>ApJ</i> 646, 420. (1x, 2x, 5ab) X-ray light curves of eclipsing BH binary.
X41.4+60	<i>Kaaret, P., Simet, M.G., Lang, C.C.</i> 2006, <i>ApJ</i> 646, 174. (1x, 2x) 62-day x-ray periodicity in M82 due to x-ray binary.

## General

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*Aris, P., Blaes, O., Turner, N.J.* 2006, *ApJ* 645, L65. QPO's from magnetic turbulence. (1x\*, 8)

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No. 83, December 2006

Editor-in-Chief: C.D. Scarfe

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