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BIBLIOGRAPHY AND PROGRAM NOTES ON CLOSE BINARIES

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The bibliographical entries for *Individual Stars* and *Collections of Data* are categorized according to the following coding scheme:

1. Observational data
- a. Photometry
- b. Spectroscopy
- c. Spectrophotometry
- d. Polarimetry
- e. Astrometry, interferometry
- f. Times of minima
- g. Gamma-ray data
- i. Infrared data
- o. Optical data
- p. Photographic data
- r. Radio data
- u. Ultraviolet data
- v. Visual estimates
- x. X-ray data

2. Derived physical data
- a. Orbital elements
- b. Absolute dimensions, masses
- c. New or improved ephemeris, period variations
- d. Apsidal motion
- e. Physical properties of stellar atmospheres
- f. Chemical abundances
- g. Accretion disks and accretion phenomena

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

4. Observational techniques

5. Theoretical investigations

6. Statistical investigations

7. Miscellaneous
- a. Abstract
- b. Addenda or errata

Abbreviations:

AD	accretion disk	EB	eclipsing binary	RV	radial velocity
BH	black hole	HMXB	high-mass X-ray binary	SB	spectroscopic binary
CB	close binary	LMXB	low-mass X-ray binary	WD	white dwarf
CV	cataclysmic variable	NS	neutron star	WR	Wolf-Rayet

Individual Stars

λ And	*O'Neal, D., Neff. J.E.* 1997, AJ 113, 1129. (1bi, 2e) Starspots detected by OH 1.563 μm absorption.
Z And	*Mikolajewska, J., Kenyon, S.J.* 1996, AJ 112, 1659. (1c, 2g) AD or thermonuclear model for hot component.
RT And	*Heckert, P.A., Beaver, M.R., Phillips, K.* 1996, IBVS 4384. (1a)
AR And	*Taylor, C.J., Thorstensen, J.R.* 1996, PASP 108, 894. (1a, 2a) Period determination.
EG And	*Bastos Pereira, C.* 1996, Ap&SS 240, 1. (1u) *Skopal A.* 1997, A&A 318, 53. (1a, 2ce) Symbiotic EB?
OS And	*Schwarz, G.J. et al.* (7 authors) 1997, MNRAS 284, 669. (1bu) Modelling the early outburst phase with NLTE atmospheres.
FK Aqr	*Cutispoto G., Leto G.* 1997, A&AS 121, 369. (1a)
HU Aqr	*Schwope A.D., Mantel K.-H., Horne K.* 1997, A&A 319, 894. (1ab, 2g) Tomography of CV.
V417 Aql	*Samec, R.G., Pauley, B.R., Carrigan, B.J.* 1997, AJ 113, 401. (1a, 2ac)
V603 Aql	*Friedjung M., Selvelli P., Cassatella A.* 1997, A&A 318, 204. (1bu, 2eg) Wind of old nova. *Naylor, T. et al.* (4 authors) 1996, MNRAS 282, 873. (1d)
V605 Aql	*Harrison, T.E.* 1996, PASP 108, 1112. (1ai) Two-component model.
V1315 Aql	*Hellier, C.* 1996, ApJ 471, 949. (1b, 2g) Disk overflow and AD wind model of SW Sex star.
V1333 Aql	1997, IAU Circ. 6558. (1x) Outburst.
Nova Aql 1995	1996, IAU Circ. 6527. (1a) Period suggested. *Mason, C.G. et al.* (7 authors) 1996, ApJ 470, 577. (1r) IR observations after formation of dust shell.
V824 Ara	*Cutispoto G.* 1996, A&AS 119, 281. (1a) *Cutispoto G., Leto G.* 1997, A&AS 121, 369. (1a)
ζ Aur	*Bennet, D.P. et al.* (4 authors) 1996, ApJ 471, 454. (1abeou, 2ab) Absolute elements, age determination.
AQ Boo	*Schmidt, E.G.* 1996, PASP 108, 1105. (1a, 3b) EB classified as constant on GCVS.
Z Cam	*Knigge, C. et al.*(4 authors) 1997, ApJ 476, 291. (1bu, 2g) Analysis of UV spectrum of this dwarf nova during outburst. *Wheatley, P.J. et al.* (5 authors) 1996, MNRAS 283, 101. (1x) Outburst.
SV Cam	*Hempelmann, A. et al.* (4 authors) 1997, A&A 317, 125. (1abox, 2e) Simultaneous optical and X-ray data.
AS Cam	*Khodykin, S.A., Vedeneyev, V.G.* 1997, ApJ 475, 798. (2abd) On the third-body hypothesis of this EB.
AK Cnc	*Mennickent, R.E. et al.* (4 authors) 1996, A&A 315, 493. (1av, 2c) Superhumps.
EG Cnc	1996, IAU Circ. 6513. (1v) 1996, IAU Circ. 6517. (1a, 2c) 1997, IAU Circ. 6545. (1v)
UW CMa (29 CMa)	*Stickland, D.J.* 1997, Observatory 117, 37. (1bu)

EZ CMa	*Duijsens, M.F.J. et al.* (6 authors) 1996, A&AS 119, 37. (1ab, 2c) WR single or binary?
BG CMi	*Dhillon, V.S. et al.* (4 authors) 1997, MNRAS 285, 95. (1bi) Discussion of spectral lines and continua.
OY Car	*Smak, J.* 1996, Acta Astron. 46, 377. Reanalysis of eclipses.
V440 Cas	*Samec, R.G., Carrigan, B.J., French, J.A.* 1996, Observatory 116, 365. (1af, 2a) W-type contact system, spot model.
AM Cas	*Taylor, C.J., Thorstensen, J.R.* 1996, PASP 108, 894. (1a, 2a) Period determination.
AO Cas	*Stickland, D.J.* 1997, Observatory 117, 37. (1bu)
HT Cas	*Mukai, K. et al.* (5 authors) 1997, ApJ 475, 812. (1x) ASCA and ROSAT HRI observations of this dwarf nova's X-ray eclipses. *Robertson, J.W., Honeycutt, R.K.* 1996, AJ 112, 2248. (1a) Variations of quiescent dwarf nova.
IT Cas	*Holmgren, D., Wolf, M.* 1996, Observatory 116, 365. (2d)
OX Cas	*Wolf M., Sarounova L., Diethelm R.* 1997, A&A 317, 104. (1a, 2cd) Apsidal motion.
V635 Cas (4U 0115+63, X0115+634)	1996, IAU Circ. 6482. (1x) Increasing brightness. *Campana, S.* 1996, Ap&SS 239, 113, (1x) *Negueruela, I. et al.* (9 authors) 1997, MNRAS 284, 859. (1aiobx) Study of outburst in 1994.
V705 Cas	*Evans, A. et al.* (4 authors) 1996, MNRAS 282, 1049. (1bi) Modelling of CO emission.
Nova Cas 1995	*Munari, U. et al.* (14 authors) 1996, A&A 315, 166. (1abio, 2e) Monitoring of outburst.
V676 Cen	*Cerruti, M.A.* 1997, IBVS 4416. (1f, 2c)
V841 Cen	*Cutispoto, G.* 1996, A&AS 119, 281. (1a)
V851 Cen	*Cutispoto, G.* 1996, A&AS 119, 281. (1a)
β Cep	*Hadrava, P., Harmanec, P.* 1996, A&A 315, L401. (1b) RV of pulsating prototype.
VV Cep	*Bastian, U.* 1996, SuW 35, 919. (1abc) Call for observations during 1997-99 eclipse. *Kawabata, S., Saito, M.* 1997, PASJ 49, 101. (1b) Forbidden lines; an expanding atmosphere. (Erratum: 1997, PASJ 49, 263)
XZ Cep	*Harries, T.J., Hilditch, R.W., Hill, G.* 1997, MNRAS 285, 277. (1bo, 2ab)
LP Cep	*Samec, R.G. et al.* (4 authors) 1997, AJ 113, 800. (1a, 2ace)
π Cet	*Lacy, C.H.S. et al.* (7 authors) 1997, AJ 113, 1088. (1b, 2a)
Z Cha	*van Teeseling, A.* 1997, A&A 319, L25. (1x, 2eg) X-ray eclipse.
ζ^2 CrB	*Gordon, K.D., Mulliss, C.L.* 1997, PASP 109, 221. (1b, 2a) Triple system includes asynchronous CB.
T CrB	*Mikolajewski, M., Tomov, T., Kolev, D..* 1997, IBVS 4428. (1a) Activity of recurrent nova in 1996.
β Crt	*Smalley, B. et al.* (4 authors) 1997, MNRAS 284, 457. (1bo, 2ef)
SZ Crt	*Cutispoto, G.* 1996, A&AS 119, 281. (1a)
BI Cru	*Harries, T.J.* 1996, A&A 315, 499. (1d, 2g, 5) Bipolar wind of symbiotic star.

BY Cru	*Daems, K., Waelkens, C., Mayor, M.* 1997, A&A 317, 823. (1abiou, 2g) W Ser-type binary.
Nova Cru 1996	1997, IAU Circ. 6532. (1b)
SS Cyg	*Mauche, C.W.* 1997, ApJ 476, L85. (1bu) EUV spectrum of quasi-coherent oscillations of this dwarf nova.
	Naylor, T. et al. (4 authors) 1996, MNRAS 282, 873. (1d)
BO Cyg	*Litvinova, T.V.* 1994, Variable Stars 23, 265. (1af, 2c) Photographic curve, 9 minima, O-C data, new photometric elements.
EY Cyg	1997, IAU Circ. 6535. (1v) Burst detection.
V380 Cyg	*Ljubimkov, L.S., Rachkovskaja, T.M. et al.* (4 authors) 1996, AZh 73, 55. (1b, 2abf) He/H abundance is high for A-type star (0.19).
V382 Cyg	*Harries, T.J., Hilditch, R.W., Hill, G.* 1997, MNRAS 285, 277. (1bo, 2ab)
V404 Cyg	*Shahbaz, T. et al.* (4 authors) 1996, MNRAS 282, 977. (1bi, 2g)
V448 Cyg	*Harries, T.J., Hilditch, R.W., Hill, G.* 1997, MNRAS 285, 277. (1bo, 2ab)
V939 Cyg	*Agerer, F., Moschner, W.* 1996, IBVS 4391. (7b) Not EB, but RR Lyrae-type.
V1357 Cyg (Cyg X-1)	*Karitskaya, E.A., Goranskij, V.P.* 1996, IBVS 4404. (1a) Unusual fading in November 1996.
V1425 Cyg	*Degirmenci, O.L. et al.* (5 authors) 1996, Ap&SS 241, 327, (1a)
V1762 Cyg	*O'Neal, D., Neff. J.E.* 1997, AJ 113, 1129. (1bi, 2e) Starspots detected by OH 1.563 μm absorption.
V1974 Cyg (Nova Cyg 1992)	*Chochol, D. et al.* (6 authors) 1997, A&A 318, 908. (1bou, 5) Distance problem.
	Rosino, L. et al. (6 authors) 1996, A&A 315, 463. (1b) Extended emission nebulosity.
	Skillan, D.R. et al. (4 authors) 1997, PASP 109, 114. (1a, 2ag) Superhumps in CV.
	Woodward, C.E. et al. (5 authors) 1997, ApJ 477, 817. (1i) Temporal evolution of near-IR light curves of N Cyg 1992.
HR Del	*Babaev, M.B., Hadjiev, N.S.* 1994, Variable Stars 23, 305. (1a, 2c) Photometric investigation; light fluctuations with 82 sec period; orbital period possibly variable.
AG Dor	*Cutispoto, G.* 1996, A&AS 119, 281. (1a)
YY Dra	*Haswell, C.A. et al.* (5 authors) 1997, ApJ 476, 847. (2eg) Pulsations and accretion geometry.
AG Dra	*Smith, V.V. et al.* (4 authors) 1996, A&A 315, 179. (1b, 2af) Barium-symbiotic connection.
AI Dra	*Worek, T.F.* 1996, PASP 108, 962. (1b) Non-synchronous rotation.
BY Dra	1997, IAU Circ. 6551. (1x) Strong emission detected.
DO Dra	1996, IAU Circ. 6493. (1v) Two outbursts.
EP Dra (H1907+690)	*Schwope, A.D., Mengel, S.* 1997, Astron. Nachr. 318, 25. (1ab, 2c) Eclipsing AM Her system.
YY Eri	*Budding, E.* 1996, Southern Stars 37, 37. (1a)
BL Eri	*Shengbang, Q. et al.* (5 authors) 1996, IBVS 4388. (1f, 2c)
CC Eri	*Cutispoto, G., Leto, G.* 1997, A&AS 121, 369. (1a)

σ Gem	*Yi, Z. et al.* (4 authors) 1997, A&A 318, 791. (1bx, 2e) X-ray variations of RS CVn-type star.
U Gem	*Smak, J.* 1996, Act. A. 46, 377. Reanalysis of eclipses.
OU Gem	*Cutispoto, G.* 1996, A&AS 119, 281. (1a)
PQ Gem	*Dhillon, V.S. et al.* (4 authors) 1997, MNRAS 285, 95. (1bi) Discussion of spectral lines and continua. *Potter, S.B. et al.* (5 authors) 1997, MNRAS 285, 82. (1adoi) Model of cyclotron emission.
112 Her	*Ryabchikova, T.A., Zakharova, L.A., Adelman, S.J.* 1996, MNRAS 283, 1115. (1b, 2acef)
UX Her	*Lázaro, C. et al.* (4 authors) 1997, AJ 113, 1122. (1abi, 2ae)
IT Her	*Schmidt, E.G., Seth, A.* 1996, AJ 112, 2769. (1a, 3b) New EB, previously misclassified - see also General.
EU Hya	*Rao, P.V., Sarma, M.B.K., Abhyankar, K.D.* 1996, PASP 108, 967. (2a) Reanalysis of light curve suggests detached system.
EX Hya	*Dhillon, V.S. et al.* (4 authors) 1997, MNRAS 285, 95. (1bi) Discussion of spectral lines and continua. *Fujimoto, R., Ishida, M.* 1997, ApJ 474, 774. (1bx, 2bfg) X-ray spectroscopic observations and mass determination of WD. *Hurwitz, M. et al.* (4 authors) 1997, ApJ 477, 390. (1u, 2g) EUV observations of 10 MK gas near WD surface.
VW Hyi	*Sion, E.M et al.* (5 authors) 1996, ApJ 471, L41. (1b, 2g) Evidence for sustained accretion belt.
GK Hyi	*Gunn, A.G., Doyle, J.G., Houdebine, E.R.* 1997, A&A 319, 211. (1b, 2e) Active CB.
Z Lac	*Sugars, B.J.A., Evans, N.R.* 1996, AJ 112, 1670. (1b, 2a) Shortest-period cepheid binary.
AR Lac	*Babaev, M.B.* 1996, Kinematika i fizika nebesnych tel 12, n.4, 74. (1c, 2f). *Siarkowski, M. et al.* (5 authors) 1996, ApJ 473, 470. (1x) Spatial coronal models from X-ray light curves.
GX Lib	*Cutispoto, G.* 1996, A&AS 119, 281. (1a)
β Lyr	*Peel, M.* 1997, MNRAS 284, 148. (2c)
V400 Lyr	*Schmidt, E.G., Seth, A.* 1996, AJ 112, 2769. (1a, 3b) New EB, previously misclassified - see also General.
DD Mon	*Shengbang, Q. et al.* (5 authors) 1996, IBVS 4387. (1af, 2c)
V479 Mon	*Schmidt, E.G., Seth, A.* 1996, AJ 112, 2769. (1a, 3b) New EB, previously misclassified - see also General.
SY Mus	*Schwank, M., Schmutz, W., Nussbaumer, H.* 1997, A&A 319, 166. (5) Model of symbiotic star.
N Mus 1991 (GS 1124-68)	*Shahbaz, T., Naylor, T., Charles, P.A.* 1997, MNRAS 285, 607. (1ai, 2b)
GR Nor	*Berdnikov, L.N., Turner, D.G.* 1997, IBVS 4422. (1a, 3b) New RS CVn-type variable.
V343 Nor	*Cutispoto, G.* 1996, A&AS 119, 281. (1a)
V2116 Oph (GX 1+4)	1996, IAU Circ. 6478. (1x) Monitoring, undetectable. 1996, IAU Circ. 6488. (1x) Weak pulsations. 1996, IAU Circ. 6489. (1a) Optical pulsations. 1996, IAU Circ. 6496. (1b) Observation of optical counterpart.

	1996, IAU Circ. 6528. (1a) Peak emission of Hα flux.
	1997, IAU Circ. 6536. (1x, 1a) Pulsations from accreting pulsar.
Nova Oph 1993 (GRS 1716-249)	*Hjellming, R.M. et al.* (4 authors) 1996, ApJ 470, L105. (1rx) Observations of flaring events.
BM Ori	*Vitrichenko, E.A.* 1996, Pis. AZh 22, 587. (2ab).
	Vitrichenko, E.A., Larionov, V.M. 1996, Pis. AZh 22, 178. (1ai, 2b) Eclipse maybe caused by dust envelope around secondary F0 star.
	Vitrichenko, E.A., Shevchenko, V.S., Shcherbakov, V.A. 1996, Pis. AZh 22, 185. (1b, 2a) Spectroscopic investigation; orbital elements, masses, radii, rotations derived.
	Bondar, N.I., Vitrichenko, E.A. 1996, Pis. AZh 22, 257. (1a, 2g) Two flares with 0.5 mag amplitude and 1-2 hours duration detected.
DW Ori	*Schmidt, E.G., Seth, A.* 1996, AJ 112, 2769. (1a) EB nature confirmed - see also General.
51 Peg	*Gray, D.F.* 1997, Nature 385, 795 + 775. Planetary signature missing.
AG Peg	*Altamore, A., Cassatella, A.* 1997, A&A 317, 712. (1bu, 2be) Variability of symbiotic star.
	Kenny, H.T. et al. (6 authors) 1996, JRASC 90, 320. (1r, 2e, 7a)
II Peg	*O'Neal, D., Neff. J.E.* 1997, AJ 113, 1129. (1bi, 2e) Starspots detected by OH 1.563 μm absorption.
IP Peg	*Smak, J.* 1996, Act. A. 46, 377. Reanalysis of eclipses.
RY Per	*Olson, E.C., Plavec, M.J.* 1997, AJ 113, 425. (1abu, 2abg)
DK Per	*Zakirov, M.M., Azimov, A.A.* 1996, Variable Stars 23, 425. (1a, 2ab).
GK Per	*Morales-Rueda, L., Still, M.D., Roche, P.* 1996, MNRAS 283, L58. (1c, 2g)
	Yi, I., Kenyon, S.J. 1997, ApJ 477, 379. (1ux, 2g) Magnetized AD model of this CV.
IZ Per	*Ferluga, S. et al.* (4 authors) 1997, A&AS 121, 201. (4) Secondary reconstruction.
PY Per	*Taylor, C.J., Thorstensen, J.R.* 1996, PASP 108, 894. (1a, 2a) Period determination.
V436 Per	*Harmanec, P. et al.* (8 authors) 1997, A&A 319, 867. (1ab, 2abcd)
AG Phe	*Cerruti, M.A.* 1996, Act. A. 46, 429. (1ao, 2abc)
BC Phe	*Cutispoto, G., Leto G.* 1997, A&AS 121, 369. (1a)
TZ PsA	*Cutispoto, G., Leto, G.* 1997, A&AS 121, 369. (1a)
VV Pup	*Schwope, A.D., Beuermann, K.* 1997, Astron. Nachr. 318, 111. (1bc, 2g) Cyclotron lines detected, 30-50 MG magnetic field strength at accretion poles.
T Pyx	*Contini, M., Prialnik, D.* 1997, ApJ 475, 803. (5) The shell of recurrent nova T Pyx: a model based on shocks.
TY Pyx	*Gunn, A.G., Doyle, J.G., Houdebine, E.R.* 1997, A&A 319, 211. (1b, 2e) Active CB.
	Williams, H.U., Walker, W.S.G., Budding, E. 1996, Southern Stars 37, 52. (1a)
V Sge	*Robertson, J.W., Honeycutt, R.K., Pier, J.R.* 1997, AJ 113, 787. (1abc, 2ag)
WY Sge	*Somers, M.W., Ringwald, F.A., Naylor, T.* 1997, MNRAS 284, 359. (1bo, 2a) Detection of irradiated secondary.

YY Sgr	*Lacy, C.H.S.* 1997, AJ 113, 1091. (1b, 2abd)
V350 Sgr	*Evans, N.R., Sugars, B.J.A.* 1997, AJ 113, 792. (1bu, 2a) Binary cepheid.
V505 Sgr	*Worek, T.F.* 1996, PASP 108, 962. (1b) Non-synchronous rotation.
V526 Sgr	*Lacy, C.H.S.* 1997, AJ 113, 1091. (1b, 2abd)
π Sco	*Stickland, D.J. et al.* (4 authors) 1996, Observatory 116, 387. (1bu, 2a) No photometric variability; early B pair with $P = 1.57$ d.
51 Tau	*Torres, G., Stefanik, R.P., Latham, D.W.* 1997, ApJ 474, 256. (1b, 2b) Spectroscopic detection of the primary, the distance to the cluster, and the mass-luminosity relation.
θ^2 Tau	*Li, Z., Zhou, A., Yang, D.* 1997, PASP 109, 217. (1a, 2e) Mode-coupling in δ Scuti component.
RV Tau	*Zsoldos, E.* 1996, A&AS 119, 431. (1a, 2c) CB or envelope activity?
RW Tau	*Simon, V.* 1997, A&A 319, 886. (2c) Period variations.
V711 Tau	*Dempsey, R.C. et al.* (7 authors) 1996, ApJ 470, 1172. (1abu) Contemporaneous optical/UV photometry and UV spectroscopy of RS CVn system reveals longest-lived energetic flare.
RR Tel	*McKenna, F.C. et al.* (7 authors) 1997, ApJS 109, 225. (1biou) Spectral lines of this symbiotic nova.
θ Tuc	*Paparo, M. et al.* (4 authors) 1996, A&A 315, 400. (1a) δ Scu star in binary system?
CF Tuc	*Cutispoto, G., Leto G.* 1997, A&AS 121, 369. (1a) *Rounthwaite, T. et al.* (4 authors) 1997, IBVS 4439. (1a) RS CVn-type binary.
56 UMa (HR 2236)	*Griffin, R.F.* 1996, Observatory 116, 373. (1b, 2a) Triple system, $P_1 > 30$ yr, $P_2 = 2.2$ d.
UX UMa	*Naylor, T. et al.* (4 authors) 1996, MNRAS 282, 873. (1d)
AR UMa	*Schmidt, G.D. et al.* (8 authors) 1996, ApJ 473, 483. (1bdi) Observations of binary with strongest magnetic accreting WD.
AW UMa	*Pribulla T. et al.* (4 authors) 1997, IBVS 4435. (1af, 2c)
CI UMa	*Nogami, D., Kato, T.* 1997, PASJ 49, 109. (1a) Superhumps.
RU UMi	*Maxted, P.F.L., Hilditch, R.W.* 1996, Observatory 116, 288. (1b, 2ab) Near-contact system.
γ^2 Vel	*Lépine, S., Eversberg, T., Moffat, A.F.J.* 1996, JRASC 90, 321. (1b, 2e, 7a) *Stevens, I.R. et al.* (7 authors) 1996, MNRAS 283, 589. (1x) Fit of X-ray spectra, colliding-wind model.
HU Vir	*Cutispoto, G.* 1996, A&AS 119, 281. (1a)
IN Vir	*Strassmeier, K.G.* 1997, A&A 319, 535. (1abox, 2aef, 3b). Doppler map of new SB.
CK Vul	*Harrison, T.E.* 1996, PASP 108, 1112. (1ai) Two-component model.
ER Vul	*Gunn, A.G., Doyle, J.G.* 1997, A&A 318, 60. (1b, 2e, 4) Two dwarf components of RS CVn-type star.

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

HR 1099	*Jones, K.L. et al.* (4 authors) 1996, MNRAS 283, 1331. (1r) Variation of flux density and polarization.

HR 2236 (56 UMa)	*Griffin, R.F.* 1996, Observatory 116, 373. (1b, 2a) Triple system, $P_1 > 30$ yr, $P_2 = 2.2$ d.
HR 2467 (HD 48099)	*Stickland, D.J.* 1996, Observatory 116, 294. (1bu, 2ab)
HR 6902	*Marshall, K.P.* 1996, MNRAS 283, 77. (2e, 5)
HD 9770	*Bromage, G.E. et al.* (6 authors) 1996, IBVS 4400. (1af) Active-chromosphere EB.
HD 20394	*Griffin, R.F., Jorrissen, A., Mayor, M.* 1996, Observatory 116, 298. (1bu, 2a) Barium star.
HD 24733	*Szabados, L.* 1997, A&A 317, 786. (1a, 2c) EB and SB.
HD 29907	*Lindgren, H., Ardeberg, A.* 1996, A&AS 119, 25. (1ab, 2ac) Population II.
HD 47129	*Bagnuolo, Jr., W.G., Barry, D.J.* 1996, ApJ 469, 347. (1b, 2f) Spectral observations of Plaskett's star. *Stickland, D.J.* 1997, Observatory 117, 37. (1bu)
HD 48099 (HR 2467)	*Stickland, D.J.* 1996, Observatory 116, 294. (1bu, 2ab)
HD 49798	*Bisscheroux, B.C. et al.* (5 authors) 1997, A&A 317, 815. (2g) Nature of X-ray companion. *Garrison, R.F.* 1996, JRASC 90, 319. (1b, 2e, 7a) *Israel, G.L. et al.* (7 authors) 1997, ApJ 474, L53. (1x) Discovery of X-ray pulsations; X-ray light curve.
HD 77581 (Vel X-1)	*Choi, C.S. et al.* (4 authors) 1996, ApJ 471, 475. (1x) X-ray reprocessing in the accretion wake.
HD 85066	*McClure, R.D.* 1997, PASP 109, 256. (1b, 2a) Binary CH star - see also General.
HD 101177B	*Mazeh, T. et al.* (4 authors) 1997, MNRAS 284, 341. (1bo, 2a) Detection of faint secondary.
HD 111786	*Faraggiana, R., Gerbaldi, M., Burnage, R.* 1997, A&A 318, L21. (1bou, 2b) Discovery of λ Boo-type SB.
HD 149414A	*Mazeh, T. et al.* (4 authors) 1997, MNRAS 284, 341. (1bo, 2a) Detection of faint secondary.
HD 189638	*Griffin, R.F.* 1997, Observatory 117, 51. (1b, 2a) $P = 16.6$ yr.
HD 190361	*Griffin, R., Griffin, R.* 1997, MNRAS 285, 472. RVs, mass ratio, inclination.
HD 201824	*Griffin, R.F., Jorrissen, A., Mayor, M.* 1996, Observatory 116, 298. (1bu, 2a) Barium star.
HD 202908	*Fekel, F.C. et al.* (8 authors) 1997, AJ 113, 1095. (1be, 2ab)
BD $+02°3336$	*McClure, R.D.* 1997, PASP 109, 256. (1b, 2a) Binary CH star - see also General.
SAO 56342	*Campos-Cucarella, F., Gomez-Forrellad, J.M., Garcia-Melendo, E.* 1997, IBVS 4426. (1a, 2c, 3b)
SAO 184441	*Grankin, K.N. et al.* (4 authors) 1996, IBVS 4405. (1af, 2c, 3b)

X-ray sources with constellation names

Cir X-1	*Shirey, R.E. et al.* (4 authors) 1996, ApJ 469, L21. (1x) Variability of quasiperiodic oscillations versus orbital phase.
Cyg X-1	1997, IAU Circ. 6510. (1x) Detection of BH candidate orbital period. 1997, IAU Circ. 6544. (1v) 5.6 day orbital modulation. *Belloni, T. et al.* (6 authors) 1996, ApJ 472, L107. (1x) Observation in intermediate state. *Cui, W. et al.* (6 authors) 1997, ApJ 474, L57. (1x) ROSSI observation in high state. *Karitskaya, E.A., Goranskij, V.P.* 1996, IBVS 4404. (1a) Unusual fading in November 1996. *Kurochkin, N.E.* 1994, Variable Stars 23, 271. (1af, 2c) Photographic light curve for 1896-1957; new elements derived from photometric and radial velocity observations. *Nadzhip, A.E., Khruzina, A.M. et al.* (4 authors) 1996, AZh 73, 377. (1ai) JK photometry; light amplitude smaller than previously. *Zhang, S.N. et al.* (6 authors) 1997, ApJ 477, L95. (1x) Soft state transition.
Cyg X-2	*Focke, W.B. et al.* (8 authors) 1996, ApJ 470, L127. (1x) Beat frequency-modulated AD model. *Wijnands, R.A.D., Kuulkers, E., Smale, A.P.* 1996, ApJ 473, L45. (1x, 2g) 78 day AD precession model.
Cyg X-3	1996, IAU Circ. 6482. (1x) Monitoring. 1996, IAU Circ. 6509. (1x) Burst. *Kawashima, K., Kitamoto, S.* 1996, PASJ 48, L113. (1x) ASCA; emission at 3.5 keV; photoionized plasma. *Mori, M. et al.* (19 authors) 1997, ApJ 476, 842. (1g) EGRET observations. *Smit, J.M., van der Klis, M.* 1996, A&A 316, 115. (1x) EXOSAT observations. *Waltman, E.B. et al.* (5 authors) 1996, AJ 112, 2690. (1r, 2e)
Her X-1	*Boroson, B. et al.* (5 authors) 1996, ApJ 473, 1079. (1bu) Pulsations and line profile changes in UV spectrum: results from a multi-wavelength campaign. *Choi, C.S. et al.* (4 authors) 1997, ApJ 476, L81. (1bx) A low-state eclipse spectrum from ASCA. *Madsen, J.* 1997, A&A 318, 466. (5) Strange star? *Reynolds, A.P., Roche, P., Quaintrell, H.* 1997, A&A 318, L25. (2b) NS or strange star?
Sco X-1	1996, IAU Circ. 6524. (1x) Modulation with P $\sim 37^d$. *Bandyopadhyay, R. et al.* (5 authors) 1997, MNRAS 285, 718. (1bi) First high-resolution K-band spectra. *van der Klis, M. et al.* (8 authors) 1996, ApJ 469, L1. (1x) First observations of submillisecond oscillations.
Sco X-2 (GX 349+2)	*Wachter, S., Margon, B.* 1996, AJ 112, 2684. (1a, 2a) Is period about 22 hours?
Vel X-1 (HD 77581)	*Choi, C.S. et al.* (4 authors) 1996, ApJ 471, 475. (1x) X-ray reprocessing in the accretion wake.

———————	**Object names including RA and DEC**
RX J0019.8+2156	*Matsumoto, K.* 1996, PASJ 48, 827. (1a)
1E0035.4-7230 (in SMC)	*Kahabka, P., Ergma, E.* 1997, A&A 318, 108. (2eg) New type of CV.
2S 0114+650	1996, IAU Circ. 6522. (1x) Modulation periods.
4U 0115+63 (X0115+634, V635 Cas)	1996, IAU Circ. 6482. (1x) Increasing brightness. *Campana, S.* 1996, Ap&SS 239, 113, (1x). *Negueruela, I. et al.* (9 authors) 1997, MNRAS 284, 859. (1aiobx) Study of outburst in 1994.
PSR J0251+1807	*Ergma, E., Lundgren, S.C., Cordes, J.M.* 1997, ApJ 475, L29. (2acg) Millisecond pulsar progenitor to a LMXB.
4U 0352+30	*Robra, N.R. et al.* (5 authors) 1996, ApJ 472, 341. (1x) Timing analysis: sharp hardening ratio.
2REJ0357+283	*Jeffries, R.D., Smalley, B.* 1996, A&A 315, L19. (1b, 2fg) K dwarf + WD binary.
RX 0513-69 (in LMC)	*Southwell, K.A. et al.* (5 authors) 1996, ApJ 470, 1065. (1abx, 2a) LMC CV observed, X-ray data combined to construct theoretical model.
RX J0527.8-6954	*Greiner, J., Hazen, M.L..* 1996, IBVS 4409. (3c) Identification of optical counterpart of X-ray source.
RX J0529.8-6556 (in LMC)	*Haberl, F. et al.* (4 authors) 1997, A&A 318, 490. (1abox, 3bd) New pulsating HMXB.
A0535+26	*Li, X.-D.* 1997, ApJ 476, 278. (2g) Evolution of the inner AD radius in this X-ray pulsar.
A0538-66	*Corbet, R.H.D. et al.* (4 authors) 1997, ApJ 476, 883. (1aox, 2g) Low-amplitude X-ray and optical outburst from this periodic transient, possibly due to accretion onto a magnetosphere.
4U 0614+091	*Ford, E. et al.* (8 authors) 1996, ApJ 469, L37. (1x) Anticorrelation of hard and soft X-ray emission in X-ray burster. *Ford, E. et al.* (9 authors) 1997, ApJ 475, L123. (1x) Evidence for a millisecond pulsar in this LMXB.
RE J0720-318	*Burleigh, M.R., Barstow, M.A., Dobbie, P.D.* 1997, A&A 317, L27. (1bu, 2e)
4U 0728-25	*Negueruela, I. et al.* (7 authors) 1996, A&A 315, 160. (1abio, 2eg, 3d) Optical counterpart of HMXB.
PSR J0751+1807	*Becker, W. et al.* (5 authors) 1996, MNRAS 282, L33. (1x) Detection of X–ray counterpart.
PG 0859+415	*Hoard, D.W., Szkody, P.* 1996, ApJ 470, 1052. (1x) Time-resolved spectra of CV with AD hot spot. *Still, M.D.* 1996, MNRAS 282, 943. (1c, 2cg)
GRS 1009-45 (Nova Vel 1993)	*Della Valle, M. et al.* (4 authors) 1997, A&A 318, 179. (1ab, 2g, 3d) Optical counterpart of LMXB. *Masetti, N., Bianchini, A., Della Valle, M.* 1997, A&A 317, 769. (1abo, 2eg) Light modulation of LMXB. *Shahbaz, T. et al.* (5 authors) 1996, MNRAS 282, L47. (1abo, 2a)
PSR J1012+5307	*Burderi, L., King, A.R., Wynn, G.A.* 1996, MNRAS 283, L63. (5) Spin-down age of pulsar.

1E 1048.15937	Corbet, R.H.D., Mihara, T. 1997, ApJ 475, L127. (1x, 2g) Observations of spin-down rate and X-ray flux, possibly due to accretion from a Be companion.
GS 1124-68 (N Mus 1991)	*Shahbaz, T., Naylor, T., Charles, P.A.* 1997, MNRAS 285, 607. (1ai, 2b)
4U 1145-61	1996, IAU Circ. 6486. (1x) Burst.
PSR 1259-63	*Taviani, M., Arons, J.* 1997, ApJ 477, 439. (2g, 5) Theory of high-energy emission from the pulsar/Be star system: radiation mechanisms and interaction geometry.
PSR B1259-63	*Hirayama, M., et al.* (6 authors) 1996, PASJ 48, 833. (1x) ASCA; post-periastron observation.
EUVE J1429-38.0	*Stobie, R.S. et al.* (4 authors) 1996, MNRAS 283, L127. (1abd, 2abc, 3b)
PSR B1534+12	*Arzoumanian, Z. et al.* (4 authors) 1996, APJ 470, 1111. (1dr) Polarimetric observations of binary pulsar.
4U 1608-52	*Berger, M. et al.* (14 authors) 1996, ApJ 469, L13. (1x) 800 Hz quasi-periodic oscillations in LMXB.
PSR B1620-26 (in M4)	*Shearer, A. et al.* (5 authors) 1996, ApJ 473, L115. (1ao, 3c) Search for the optical counterpart of this triple pulsar system.
4U 1626-67	*Chakrabarty, D. et al.* (9 authors) 1997, ApJ 474, 414. (2g) Torque reversal and spin-down of this pulsar.
NTTS 162814-2427	*Figueiredo, J.* 1997, A&A 318, 783. (2b, 5) Pre-main-sequence SB.
4U 1630-47	*Kuulers, E., van der Klis, M., Parmar, A.N.* 1997, ApJ 474, L47. (2g) Evidence for an anomalous state in this BH candidate.
4U 1636-536	*Prins, S., van der Klis, M.* 1997, A&A 319, 498. (1x, 2eg) EXOSAT data of LMXB.
	Zhang, W. et al. (4 authors) 1996, ApJ 469, L17. (1x) kHz quasi-periodic oscillations in LMXB.
GRO J1655-40	*Orosz, J.A., Bailyn, C.D.* 1997, ApJ 477, 87. (1o, 2b) Optical observations in quiescence; a precise mass for the BH component.
	Tavani, M. et al. (8 authors) 1996, ApJ 473, L103. (1orx, 2g) No radio or optical emission associated with plasmoids during or following a hard X-ray outburst.
OAO 1657-415	*Baykal, A.* 1997, A&A 319, 515. (1x, 2g) HMXB.
XTE J1709-267	1997, IAU Circ. 6543. (1x, 3b) Discovery of X-ray nova.
	1997, IAU Circ. 6547. (1v) X-ray nova.
RX J1712.6-2414	*Vaeth, H.* 1997, A&A 317, 476. (2g, 5) Polar model.
GRS 1716-249 (Nova Oph 1993)	*Hjellming, R.M. et al.* (4 authors) 1996, ApJ 470, L105. (1rx) Observations of flaring events.
4U 1728-34	*Strohmayer, T.E. et al.* (6 authors) 1996, ApJ 469, L9. (1x) Millisecond variability in accreting NS system.
GRS 1739-278	*Vargas, M. et al.* (16 authors) 1997, ApJ 476, L23. (1x, 3b) Discovery of a hard X-ray transient in the galactic bulge.
GRO J1744-28	*Bildsten, L., Brown, E.F.* 1997, ApJ 477, 897. (2g) Thermonuclear burning on this accreting X-ray pulsar.
	Giles, A.B. et al. (7 authors) 1996, ApJ 469, L25. (1x) 2.14 Hz oscillations in this LMXB.
	Stark, M.J. et al. (4 authors) 1996, ApJ 470, L109. (1x) Observations of a bursting pulsar.

	van Paradijs, J. et al. (6 authors) 1997, A&A 317, L9. (2g, 5) NS formed from WD.
	Zhang, W. et al. (7 authors) 1996, ApJ 469, L29. (1x) Quasiperiodic oscillations at 20, 40, and 60 Hz.
4U 1820-30	1996, IAU Circ. 6507. (1x) Quasi-periodic oscillations.
X1822-371	*Harlaftis, E.T., Charles, P.A., Horne, K.* 1997, MNRAS 285, 673. (1b) Detection of companion.
GS 1843+00	1997, IAU Circ. 6586. (1x) Pulsations.
RE J1844-74	*Ramsay, G. et al.* (4 authors) 1996, MNRAS 282, 726. (1adox, 2cg)
GRO J1849-03	1996, IAU Circ. 6519. (1x) Weak emission.
X1850-087	*Homer, L. et al.* (6 authors) 1996, MNRAS 282, L37. (1au,3b) Determination of orbital period.
XTE J1856+053	1996, IAU Circ. 6519. (1x) Emission.
H1907+690 (EP Dra)	*Schwope, A.D., Mengel, S.* 1997, Astron. Nachr. 318, 25. (1ab, 2g) Eclipsing AM Her system.
GRS 1915+105	1996, IAU Circ. 6488. (1x) Quasi-periodic oscillations.
	1997, IAU Circ. 6525. (1x) Long and high burst.
	Chen, X., Swank, J.H., Taam, R.E. 1997, ApJ 477, L41. (1x, 2g) X-ray timing and spectral behavior.
	Eikenberry, S.S., Fazio, G.G. 1997, ApJ 475, L53. (1ai) IR photometry of jets.
	Greiner, J., Morgan, E.H., Remillard, R.A. 1996, ApJ 473, L107. (1x, 2g) ROSSI observations.
	Harmon, B.A. et al. (8 authors) 1997, ApJ 477, L85. (1x) Hard X-rays from plasma ejection.
	Mirabel, I.F. et al. (5 authors) 1997, ApJ 477, L45. (1x) A possible HMXB.
	Nowak, M.A. et al. (4 authors) 1997, ApJ 477, L91. (2g) 67 Hz feature in this BH candidate as a possible diskoseismic mode.
RX J1940.1-1025	*Friedrich, S., Staubert, R., la Dous, C.* 1996, A&A 315, 411. (1bu) UV spectrum of CV.
GS J2000+25	*Callanan, P.J. et al.* (5 authors) 1996, ApJ 470, L57. (1i) J and K light curves and attempt to determine BH candidate mass to be ~ 8.5 $M_{\odot}$.
PSR J2033+17	*Ray, P.S. et al.* (8 authors) 1996, ApJ 470, 1103. (1r) Survey of 960 square degrees reveals a new binary pulsar.
PSR J2051-0827	*Stappers, B.W., Bessell, M.S., Bailes, M.* 1996, ApJ 473, L109. (1ao, 2b, 3b) Detection of an irradiated companion to this pulsar.
GRO J2058+42	1996, IAU Circ. 6514. (1x) Burst.
	1996, IAU Circ. 6516. (1a) Optical counterpart.
	1997, IAU Circ. 6556. (1x) Modulation with P $\sim 54^d$.
EUVE J2115-586	*Vennes, S. et al.* (5 authors) 1996, AJ 112, 2254. (1b, 2a)
1E 2259+586	*Pandey, U.S.* 1996, A&A 316, 111. (5) LMXB or massive WD?
AX J2315+592	*Misaki, K. et al.* (6 authors) 1996, ApJ 470, L53. (1x, 2c, 3b) Magnetic CV discovered, single accreting pole detected.
	Thomas, H.-C., Reinsch, K. 1996, A&A 315, L1. (1abo, 2cg) Optical counterpart of LMXB.
RX J2353.0-3852	*Abbott, T.M.C., Fleming, T.A., Pasquini, L.* 1997, A&A 318, 134. (1abox, 2g, 3d) ROSAT CV.

Galactic objects with other designations

Abell 65	*Walsh, J.R., Walton, N.A.* 1996, A&A 315, 253. (1ab, 2ef) EB central star of planetary nebula.
AKO 9	*Minniti, D. et al.* (6 authors) 1997, ApJ 474, L2. (1) Unusual brightening of this EB.
V1, V2 Cyg	*Kryachko, T.V., Solovyov, V.Ya.* 1996, Variable Stars 23, 429. (1a, 2a, 3b)
V3 in T4 Cyg	*Gushchin, I.A.* 1994, Variable Stars 23, 329. (1a, 3b) Star V3 in association T4 Cyg is EB.
EG 102	*Holberg, J.B., Barstow, M.A., Green, E.M.*1997, ApJ 474, L127. (1bo, 2d) Discovery of Mg II in this WD as evidence of ongoing accretion.
ESO 166-PN 21	*Peña M. et al.* (5 authors) 1997, A&A 317, 911. (1bou, 2ef) CB central star?
G 102-21	*Pagano, I. et al.* (5 authors) 1997, A&A 318, 467. (1ao, 2e) Intense flare.
Gliese 372	*Harlow, J.J.B.* 1996, AJ 112, 2222. (1b, 2a) Longest-period dM SB2.
GSC 1657.1754	*Lloyd, C. et al.* (5 authors) 1997, IBVS 4442. (1af, 2c, 3bd)
GSC 2906.0213	*Garcia-Melendo, E., Gomez-Forrellad, J.M., Sanchez, A.G.* 1997, IBVS 4436. (1a, 2c, 3b) New EB.
GSC 4261.1197	*Agerer, F.* 1996, IBVS 4406. (1af, 2c, 3bd)
GX 1+4 (V2116 Oph)	1996, IAU Circ. 6478. (1x) Monitoring, undetectable. 1996, IAU Circ. 6488. (1x) Weak pulsations. 1996, IAU Circ. 6489. (1a) Optical pulsations. 1996, IAU Circ. 6496. (1b) Observation of optical counterpart. 1996, IAU Circ. 6528. (1a) Peak emission of Hα flux. 1997, IAU Circ. 6536. (1x, 1a) Pulsations from accreting pulsar. *Bandyopadhyay, R. et al.* (5 authors) 1997, MNRAS 285, 718, (1bi) First high-resolution K-band spectra.
GX 5-1	1996, IAU Circ. 6511. (1x) Quasi-periodic oscillations.
GX 13+1	1996, IAU Circ. 6508. (1x) Periodic modulation $P \sim 24^d$. *Bandyopadhyay, R. et al.* (5 authors) 1997, MNRAS 285, 718, (1bi) First high-resolution K-band spectra.
GX 17+2	1997, IAU Circ. 6565. (1x) Quasi-periodic oscillations. *Wijnands, R.A.D. et al.* (8 authors) 1996, ApJ 469, L5. (1x) 50-60 Hz quasi-periodic oscillations, magnetic field strength determination in LMXB.
GX 349+2 (Sco X-2)	*Wachter, S., Margon, B.* 1996, AJ 112, 2684. (1a, 2a) Is period about 22 hours?
v2, v4 in IC4996	*Pietrzyński, G.* 1996, Acta Astron. 46, 417. (1ao, 2c, 3bd)
LSI +61° 303	*Leahy, D.A., Harrison, F.A., Yoshida, A.* 1997, ApJ 475, 823. (1bx) ASCA X-ray spectrum.
V101 in M5	*Hakala, P.J. et al.* (4 authors) 1997, MNRAS 285, 693. (1x) First X-ray detection of a CV in a globular cluster.
V2 in M33	*Sharov, A.S. et al.* (3 authors) 1997, Pis. AZh 23, 41. (1a, 3b)
XRB in NGC 6624	1996, IAU Circ. 6475. (1u) Modulation consistent with X-ray period.
NSV 00361	*Vidal-Sainz, J., Gomez-Forrellad, J.M., Garcia-Melendo, E.* 1997, IBVS 4424. (1a, 2c) Over-contact CB.

NSV 00821	*Gomez-Forrellad, Sanchez, A.G.* 1997, IBVS 4427. (1a, 2c, 3b)
NSV 02541	*Gomez-Forrellad, J.M., Garcia-Melendo, E.* 1997, IBVS 4423. (1a, 2c)
NSV 03438	*Garcia-Melendo, E., Gomez-Forrellad, J.M.* 1996, IBVS 4410. (1a, 2c, 3b) New EB.
NSV 04411	*Vidal-Sainz, J., Garcia-Melendo, E.* 1996, IBVS 4393. (1af, 2ac, 3b) New EB.
NSV 04497	*Borovička, J., Šarounová* 1996, IBVS 4402. (1af, 2c, 3d)
NSV 04539	*Berthold, T., Agerer, F.* 1997, IBVS 4432. (1af, 2c, 3b) New EB.
NSV 06177	*Frank, P., Moschner, J., Moschner, W.* 1996, IBVS 4386. (1af, 2c, 3bd)
NSV 08513	*Lasala-Garcia A.* 1996, IBVS 4407. (1a, 2c, 3b)
A1742-289	*Kennea, J.A., Skinner, G.K.* 1996, PASJ 48, L117. No evidence for eclipses in Ariel V data.
SS 433	*Fukue, J., et al.* (17 authors) 1997, PASJ 49, 93. (1a) Photometry; a torus model. *Shakhovskoi, N.M., Sazonov, A.N.* 1996, Pis. AZh 22, 580. (1a, 2g)

Extragalactic variables, SN, X-ray sources

CAL 87 (in LMC)	*Schandl, S., Meyer-Hofmeister, E., Meyer, F.* 1997, A&A 318, 73. (2g, 5) Eclipsing LMXB.
HV 2274 (in LMC)	*Claret, A.* 1996, A&A 315, 415. (2bd) Apsidal motion of EB.
1E0035.4-7230 (in SMC)	*Kahabka, P., Ergma, E.* 1997, A&A 318, 108. (2eg) New type of CV.
RX 0513-69 (in LMC)	*Southwell, K.A. et al.* (5 authors) 1996, ApJ 470, 1065. (1abx, 2a) CV in LMC, X-ray data combined to construct theoretical model.
RX J0529.8-6556 (in LMC)	*Haberl, F. et al.* (4 authors) 1997, A&A 318, 490. (1abox, 3bd) New pulsating HMXB.

General

Antokhina, E.A. 1996, AZh 73, 532. Synthesis of theoretical radial velocity curves and light curves for CBs with eccentric orbits.

Armitage, P.J., Livio, M. 1996, ApJ 470, 1024. ADs in interacting binaries: simulations of the stream impact.

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Bertrand, J.-F., Moffat, A.F.J., St. Louis, N. 1996, JRASC 90, 319. Big- game hunting: the search for the most massive stars. (7a)

Bisikalo, D.V., Bojarchuk, A.A., Kuznetsov, O.A., Chechetkin, V.M. 1996, AZh 73, 717. Observational manifestations of matter flow features in symbiotic stars.

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Bromley, B.C., Chen, K., Miller, W.A. 1997, ApJ 475, 57. Line emission from an AD around a rotating BH: towards a measurement of frame dragging.

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IAU Commission 42

BIBLIOGRAPHY AND PROGRAM NOTES ON CLOSE BINARIES

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