

COMMISSIONS 27 AND 42 OF THE I. A. U.

**INFORMATION BULLETIN ON VARIABLE STARS**

Nos. 5401 – 5500

2003 April – 2004 January

*EDITORS:* K. OLÁH, J. JURCSIK

*TECHNICAL EDITOR:* A. HOLL

*TYPESETTING:* O. SZABÓ

*SUBSCRIPTIONS:* Zs. KÓVÁRI

*EDITORIAL BOARD:* H. Duerbeck, G. Handler,  
D. Kurtz (chair), C. Maceroni, S.S. Saar, D. Sasselov,  
B. Skiff, E. Guinan (Div. V.), J. Christensen-Dalsgaard (Comm. 27.),  
P. Szkody (Comm. 42.), P. Harmanec (advisor), L. Szabados (advisor),  
N.N. Samus (advisor), C. Sterken (advisor)

H-1525 BUDAPEST XII, Box 67, HUNGARY

URL <http://www.konkoly.hu/IBVS/IBVS.html>

*HU ISSN 0374-0676*

## COPYRIGHT NOTICE

IBVS is published on behalf of Commissions 27 and 42 of the IAU, by the Konkoly Observatory, Budapest, Hungary.

Individual issues may be downloaded for scientific and educational purposes free of charge. Bibliographic information of the recent issues can be entered to indexing systems. No IBVS issues may be stored in a public retrieval system, in any form or by any means, electronic or otherwise, without the prior written permission of the publishers. Prior written permission of the publishers is required to enter IBVS issues 1-4000 to an electronic indexing or bibliographic system too.

## CONTENTS

2003

5401 WILS, P.:	
New and Suspected Mira Variables on Stardial Images .....	1 – 4
5402 TORRES, G.:	
Discovery of a Bright Eclipsing Binary in the Pleiades Cluster .....	1 – 4
5403 BLÄTTLER, E.; DIETHELM, R.:	
CCD Light Curves of ROTSE1 Variables, XVIII: GSC 3022:996, CVn, GSC 2534:216 CVn, GSC 2536:122, CVn, GSC 2548:936 CVn and VV CVn	1 – 4
5404 SAMEC, RONALD G.; LOFLIN, TREVOR SEQUOIA:	
The First Precision CCD Observations of the Neglected, Dwarf Contact Binary V524 Monocerotis .....	1 – 4
5405 MCKENZIE, ROB; SAMEC, RONALD G.; FAULKNER, DANNY G.:	
CCD Observations of the Short Period Near Contact System: UY Muscae	1 – 4
5406 SEMKOV, E. H.:	
Three New PMS Variables in the Vicinity of NGC 7129 .....	1 – 4
5407 TANRIVERDİ, T.; KUTDEMİR, E.; ELMASLI, A.; ŞENAVCI, H. V.;	
ALBAYRAK, B.; SELAM, S. O.; AYDIN, C.; AKSU, O.; BULCA, İ.;	
ÇINAR, D.; KARA, A.; DEMİRHAN, M.; YILMAZ, M.; ÇETİNTAŞ, C.;	
GÖZLER, A. P.; KARAKAŞ, T.; SEZGİN, A. S.; TURHANOĞLU, B.:	
Photoelectric Minima of Some Eclipsing Binary Stars .....	1 – 3
5408 ROBB, R. M.; INGRAHAM, P. J.; WRIGHT, N. H.:	
Observations of HD 279684 .....	1 – 4
5409 SOROKIN, P.; ANTIPIN, S.; SAMUS, N.:	
NSV 16, the Enigmatic Variable in Cassiopeia .....	1 – 4
5410 MUNARI, ULISSE; HENDEN, ARNE; BOSCHI, FEDERICO:	
Accurate Astrometric Position for M31-RV .....	1 – 4
5411 BERNASCONI, L.; BEHREND, R.:	
Five New W UMa Variables .....	1 – 4
5412 MIKOŁAJEWSKI, M.; TOMOV, T.; GRACZYK, D.; KOLEV, D.;	
GAŁAN, C.; GALAZUTDINOV, G.:	
The Start of the 2003 Eclipse of EE Cephei .....	1 – 4
5413 DALLAPORTA, SERGIO; MUNARI, ULISSE; ZWITTER, TOMAŽ:	
V1154 Tau: a New Eclipsing Star within a Triple System .....	1 – 4
5414 PRIBULLA, T.; PARIMUCHA, Š.; CHOCHOL, D.; VAŇKO, M.:	
HH UMa is a Contact Binary .....	1 – 4
5415 PRICE, A.; ACHEE, C. G.; AQUINO, B.; BEAVER, D.; BROENS, E.;	
BROWN, P.; CHERRY, J. B.; COLE, J. K.; COONEY, W.; DELLINGER, J.; DILAPO, T.; DILLON, B.; DUNCKEL, N.; DURIG, D. T.; FISHMAN, G. J.; GARLAND, G. F.; GAROSSINO, P.; GAROSSINO, T.; GARY, B.;	
GILMORE, A.; GRANSLO, B.; HAMBSCH, J.; HENDEN, A.; HOHMAN, D.; KAISER, D.; KERESZTY, Z.; KILMARTIN, P.; LIESMANN, J.;	
LUBCKE, G.; MATTEI, J. A.; MONARD, B.; NELSON, P.; NORTON, C. B.; OKSANEN, A.; PAAKKONEN, P.; SCHRABBACK, T.; SCHNOOR, P. W.; SEIFERT, A. L.; STARKEY, D.; SWAMICKANNU, J. P.;	

- TIKKANEN, P.; VON DER LINDEN, A.; WELCH, D. L.; WEST, D.:  
GRB030329: Multicolor Light Curve and Ionospheric Detection ..... 1 – 4
- 5416 NOGAMI, D.; ISHIOKA, R.; MAKITA, M.; KATO, T.; YAMAOKA, H.;  
UEMURA, M.; MINESHIGE, S.:  
On the Nature of the Suspected Dwarf Nova, HP Andromedae ..... 1 – 4
- 5417 KATO, TAICHI; KATSUMI, HASEDA:  
New R CrB-Type Star HadV98 ..... 1 – 3
- 5418 ŠMELCER, L.:  
CCD Photometry of U UMi ..... 1 – 2
- 5419 HECKERT, PAUL A.:  
2001 and 2003 Photometry of WY Cancri ..... 1 – 4
- 5420 SPOGLI, CORRADO; FIORUCCI, MASSIMO; RAIMONDO,  
GABRIELLA; MONACELLI, GIUSEPPE; CAPEZZALI, DANIELE:  
BVRI Photometry of Dwarf Novae ..... 1 – 4
- 5421 TORRES, G.; GUILBAULT, P. R.:  
Times of Minimum for the Eclipsing Binary BP Vul ..... 1 – 2
- 5422 KAZAROVETS, E. V.; KIREEVA, N. N.; SAMUS, N. N.; DURLEVICH, O. V.:  
The 77th Name-List of Variable Stars ..... 1 – 56
- 5423 BUDAJ, J.; ILIEV, I. KH.; BARZOVA, I. S.; ŽIŽŇOVSKÝ, J.; ZVERKO,  
J.; STATEVA, I.:  
Direct Mass Ratio Determination in the SB2 Systems HD 108642 and  
HD 434 ..... 1 – 4
- 5424 HÄUSSLER, K.; BERTHOLD, T.; KROLL, P.:  
Elements for Four Red Pulsating Stars ..... 1 – 4
- 5425 WILS, P.; DVORAK, S. W.:  
Eclipsing Binaries Discovered on Stardial Images ..... 1 – 3
- 5426 KATO, TAICHI; STUBBINGS, ROD:  
VY ScI-Type Star V504 Cen ..... 1 – 3
- 5427 MARINO, A.; MICELA, G.; PERES, G.; SCIORTINO, S. :  
X-Ray Rotational Modulation in VXR45 ..... 1 – 2
- 5428 RINNER, C.; STARKEY, D.; DEMEAUTIS, Ch.; CHARBONNEL, S.;  
BERNASCONI, L.; BEHREND, R.:  
Eight New W UMa Variables ..... 1 – 6
- 5429 WAELCHLI, N.; RINNER, C.; REVAZ, Y.; DEMEAUTIS, Ch.;  
BERNASCONI, L.; BEHREND, R.:  
Five New Pulsating Variables ..... 1 – 4
- 5430 STEININGER, BRUNO; PAPARÓ, MARGIT; VIRÁGHALMY, GÉZA;  
ZSUFFA, DÁVID; BREGER, MICHEL:  
New Observations of the Pulsating DA White Dwarf G117-B15A ..... 1 – 3
- 5431 MACIEJEWSKI, GRACJAN; CZART, KRZYSZTOF; NIEDZIELSKI,  
ANDRZEJ; KARSKA, AGATA:  
Four New Short-Period Eclipsing Binary Stars ..... 1 – 5
- 5432 SCHMIDTOBREICK, L.; SAVIANE, I.; POMPEI, E.:  
Spectroscopic Classification of PZ Normae ..... 1 – 3
- 5433 BENKŐ, J. M.; GABÁNYI, K. É.:  
V516 Cas, an RRab Star at the Galactic Plane ..... 1 – 3
- 5434 BORKOVITS, TAMÁS; BÍRÓ, IMRE BARNA; HEGEDŰS, TIBOR;  
CSIZMADIA, SZILÁRD; SZABADOS, LÁSZLÓ; PÁL, ANDRÁS;  
POSZTOBÁNYI, KÁLMÁN; KÖNYVES, VERA; KÓSPÁL, ÁGNES;

- CSÁK, BALÁZS; MÉSZÁROS, SZABOLCS:  
 New Times of Minima of Eclipsing Binary Systems ..... 1 – 4
- 5435 KAZAROVETS, E. V.; PASTUKHOVA, E. N.; SAMUS, N. N.:  
 On Five Mira Variables in Orion and Canis Major ..... 1 – 4
- 5436 ŠMELCER, L.:  
 CCD Photometry of 10 Mira Stars ..... 1 – 8
- 5437 GONZÁLEZ-ROJAS, D. J.; CASTELLANO-ROIG, J.; DUEÑAS-  
 -BECERRIL, M.; LOU-FELIPE, M.; JUAN-SAMSÓ, J.; VIDAL-SÁINZ, J.:  
 Two New Eclipsing Binary Systems: GSC 0619-0232 and GSC 3658-0076 . 1 – 4
- 5438 DIETHELM, ROGER:  
 162-nd List of Minima Timings of Eclipsing Binaries by BBSAG Observers .. 1 – 11
- 5439 DERMAN, E.; KALCI, R.:  
 Photoelectric Minimum Times of Some Eclipsing Binary Stars ..... 1 – 2
- 5440 SAVANOV, I.; STRASSMEIER, K.; ROMANYUK, I.; KUDRYAVTSEV, D.:  
 H $\alpha$  Variations of the Spotted G Dwarf AP 149 ..... 1 – 2
- 5441 KROLL, P.; SAMUS, N.; VOLKOV, I.:  
 AY Lacertae is a Cataclysmic Variable ..... 1 – 3
- 5442 WILS, P.; LAMPENS, P.; ROBERTSON, C. W.; VAN CAUTEREN, P.:  
 A New Double-Mode High-Amplitude  $\delta$  Scuti Star: GSC 2583-00504 ..... 1 – 4
- 5443 GÜROL, B.; GÜRDEMİR, L.; ÇAGLAR, A.; KIRCA, M.; AKÇAY, U.;  
 TUNÇ, A.; ELMAS, T.:  
 Photoelectric Minima of Some Eclipsing Binary Stars ..... 1 – 3
- 5444 INNIS, J. L.; COATES, D. W.; THOMPSON, K.; THOMSON, R.:  
 Period Change in an RS CVn Binary - What Drives CF Tuc? ..... 1 – 2
- 5445 MIKOŁAJEWSKI, MACIEJ; GALAN, CEZARY; GRACZYK, DARIUSZ:  
 Multicolor Observations of the Primary and Secondary Eclipses of  
 OW Geminorum ..... 1 – 4
- 5446 HÄUSSLER, K.; BERTHOLD, T.; KROLL, P.:  
 Elements for 5 Variable Stars ..... 1 – 4
- 5447 CHRISTIAN, D. J.; MATHIOUDAKIS, M., JEVREMOVIĆ, D.;  
 DUPUIS, J.; VENNES, S.; KAWKA, A.:  
 A New EUVE-detected Flare Star (EUVE J0613–23.9B) ..... 1 – 4
- 5448 PASTUKHOVA, E. N.; SAMUS, N. N.:  
 On Two Unstudied Large-Amplitude Variables DT Sco and DV Sco ..... 1 – 4
- 5449 ROBB, R. M.; VINCENT, J.; THANJAVUR, K.:  
 Brightness Variations of SAO 84309 ..... 1 – 3
- 5450 SAMUS, N. N.; HAZEN, M. L.:  
 V597 Scorpii and Its Neighbour: A Double Mira Star? ..... 1 – 2
- 5451 BUDDING, E.; HECKERT, P.; SOYDUGAN, F.; SOYDUGAN, E.; BAKIŞ,  
 V.; BAKIŞ, H.; ERDEM, A.:  
 Photometry of HR 1817 at Two Sites Well Separated in Longitude ..... 1 – 4
- 5452 KRAVTSOV, V. V.; ZHELEZNYAK, A. P.:  
 New SX Phe Variables in the Innermost Region of M15 ..... 1 – 3
- 5453 ŠIMON, V.:  
 The R Band Light Curves of Eclipses of U Gem in Outburst ..... 1 – 4
- 5454 MATSUMOTO, KATSURA; KAWABATA, TETSUYA; AYANI, KAZUYA:  
 Optical Spectrum of CI Aql in the Plateau Phase ..... 1 – 3
- 5455 GARCÍA-LASTRA, A.; SALAS-BORRAJO, E.; GÓMEZ-FORRELLAD,  
 J. M.; GUARRO-FLO, J.; JUAN-SAMSÓ, J.; VIDAL-SÁINZ, J.;

- GARCÍA-MELENDO, E.; HENDEN, ARNE, A.:  
Seven New Eclipsing Binary Stars Among the FASTT1 Variables ..... 1 – 3
- 5456 DARIUSH, A.; ZABIHINPOOR, S. M.; BAGHERI, M. R.; JAFARZADEH, SH.; MOSLEH, M.; RIAZI, N.:  
Times of Minima of Eclipsing Binary Systems DO Cas, V1143 Cyg, GO Cyg, and VW Cep ..... 1 – 2
- 5457 WILS, P.:  
Confirmation of Variability of Bidelman-MacConnell Suspected Variables . 1 – 4
- 5458 GREAVES, J.; WILS, P.:  
Confirmation of Variability of FASTT Suspected Variables ..... 1 – 4
- 5459 PIER, J. R.; SAHA, A.; KINMAN, T. D.:  
Revised [Fe/H] and Radial Velocities for 28 Distant RR Lyrae Stars ..... 1 – 4
- 5460 ADELMAN, SAUL J.:  
Strömgren Photometry of the Be Star  $\theta$  CrB: Variable Again in 2003 ..... 1 – 2
- 5461 ANTIPIN, S. V.; KROLL, P.:  
Discovery of Two New Dwarf Novae in Cepheus and Cygnus ..... 1 – 4
- 5462 AK, H.; FİLİZ, N.:  
Photoelectric Minimum Times of Some Eclipsing Binary Stars ..... 1 – 2
- 5463 MÜYESSEROĞLU, Z.; TÖRÜN, E.; ÖZDEMİR, T.; GÜROL, B.; ÖZAVCI, İ.; TUNÇ, T.; KAYA, F.:  
Photoelectric Minima of Some Eclipsing Binary Stars ..... 1 – 3
- 5464 BAKIŞ, V.; BAKIŞ, H.; ERDEM, A.; ÇİÇEK, C.; DEMİRCAN, O.; BUDDING, E.:  
New Times of Minima of Some Selected Eclipsing Binary Systems ..... 1 – 4
- 5465 KAYE, A. B.; FEKEL, F. C.:  
The  $\gamma$  Doradus Variable HD 19684 – A Spectroscopic Binary ..... 1 – 3
- 5466 ISMAILOV, N. Z.:  
On the Possible 9-day Periodic Variability of DI Cep ..... 1 – 4
- 5467 SZÉKELY, P.:  
A CCD Photometric Search for Pulsations in SZ Her ..... 1 – 4
- 5468 SAVANOV, I.; MUSAEV, F. A.; BONDAR, A. V.:  
Detection of Magnetic Field Variations over the Pulsation Period of the roAp Star  $\gamma$  Equ from Fe II 6149 Line ..... 1 – 4
- 5469 PEJCHA, O.; ZEJDA, M.; SOBOTKA, P.:  
CCD photometry of DT UMa, V672 Her, V868 Oph and GSC 3135 0673 . 1 – 6
- 5470 DEEG, H. J.; DOYLE, L. R.; BÉJAR, V. J. S.; BLUE, J. E.; HUVER, S.:  
Minimum Times of Several Eclipsing Binaries ..... 1 – 2
- 5471 SELAM, S. O.; ALBAYRAK, B.; ŞENAVCI, H. V.; TANRIVERDİ, T.; ELMASLI, A.; KARA, A.; AKSU, O.; YILMAZ, M.; KARAKAŞ, T.; ÇINAR, D.; DEMİRHAN, M.; ŞAHİN, Ş.; ÇEVİKER, S.; GÖZLER, A. P.:  
Photoelectric Minima of Some Eclipsing Binary Stars ..... 1 – 2
- 5472 GREAVES, J.:  
GSC 2139 2190 is a Slowly Changing Be Variable and not a Hot Low Mass Post Asymptotic Giant Branch Star ..... 1 – 4
- 5473 SPOGLI, CORRADO; FIORUCCI, MASSIMO; CAPEZZALI, DANIELE; BRUNOZZI, PAOLO; FAGOTTI, PAOLO; MANCINELLI, VANNIO; SENSI, ANGELO; FAGOTTI, BARBARA:  
Observations of the Dwarf Nova X Leonis ..... 1 – 4

5474 SPOGLI, CORRADO; FIORUCCI, MASSIMO; DOLCI, MAURO; RAIMONDO, GABRIELLA :	
New Variable Star in the Field of EM Cyg .....	1 – 4
5475 WILS, P.; VAN CAUTEREN, P.; LAMPENS, P.:	
NSV 25610: A High-Amplitude $\delta$ Scuti Star .....	1 – 3
5476 BULUT, İ.; DEMİRCAN, O.:	
Photoelectric Minimum Times of Some Eclipsing Binary Stars .....	1 – 2
5477 FERNÁNDEZ LAJÚS, E.; GAMEN, R.; SCHWARTZ, M.; SALERNO, N.;	
LLINARES, C.; FARIÑA, C.; AMORÍN, R.; NIEMELA, V.:	
Optical CCD Observations of Eta Carinae at La Plata Observatory .....	1 – 4
5478 BEDIENT, J. R.:	
Six Suspected Variable Stars Identified as Asteroids .....	1 – 4
5479 DEREKAS, A.; KISS, L. L.; SZABÓ, GY. M.; VÁRADI, M.:	
Limits on Pulsations in Two Eclipsing Binaries: AY Cam and RW CrB ...	1 – 3
5480 OTERO, SEBASTIÁN A.:	
New Elements for 80 Eclipsing Binaries .....	1 – 7
5481 HÄUSSLER, K.; BERTHOLD, T.; KROLL, P.:	
Four RR Lyrae Stars with Variable Periods in Ophiuchus .....	1 – 4
5482 OTERO, SEBASTIÁN A.:	
Hipparcos Eclipsing Binaries Showing Apical Motion .....	1 – 4
5483 TEMPLETON, M. R.:	
A Revised Period for the Mira Variable AW Aurigae .....	1 – 4
5484 AGERER, FRANZ; HÜBSCHER, JOACHIM:	
Photoelectric Minima of Selected Eclipsing Binaries .....	1 – 12
5485 AGERER, FRANZ; HÜBSCHER, JOACHIM:	
Photoelectric Maxima of Selected Pulsating Stars .....	1 – 8
5486 ZHU, LIYING; QIAN, SHENGBANG; XIANG, FUYUAN:	
The First Complete CCD Light Curves and Orbital Period Change of IK Per .....	1 – 4
5487 LACY, C. H. S.:	
Times of Minima of Eclipsing Binary Stars .....	1 – 3
5488 PRICE, A.; COOK, L.; VANMUNSTER, T.; MESSIER, D.; BOYD, D.;	
OKSANEN, A.; GARY, B.; BILLINGS, G.; GRAHAM, K.; GOFF, B.;	
WEST, D.; SCHMEER, P.; HENDEN, A.; ZISSELL, R.; TEMPLETON, M. R.; MATTEI, J. A.:	
Superhumps in the 2003 UV Per Superoutburst .....	1 – 4

## 2004

5489 GREAVES, JOHN; WILS, PATRICK; VAN CAUTEREN, PAUL:	
Six New Southern Cepheids .....	1 – 4
5490 WILS, PATRICK; GREAVES, JOHN; OTERO, SEBASTIÁN A.:	
Four New High Amplitude $\delta$ Scuti Stars .....	1 – 3
5491 WILS, PATRICK; GREAVES, JOHN:	
Fifteen New Southern RR Lyrae Stars .....	1 – 4
5492 GROH, J. H.; DAMINELI, A.:	
$\eta$ Car Recovering from the 2003.5 Spectroscopic Event .....	1 – 2

5493 NELSON, ROBERT H.:	
CCD Minima for Selected Eclipsing Binaries in 2003 .....	1 – 6
5494 MACIEJEWSKI, GRACJAN; KARSKA, AGATA:	
CCD Times of Minima of Some Eclipsing Binaries in 2003 .....	1 – 3
5495 OTERO, SEBASTIÁN A.; CLAUS, FEDERICO:	
New Elements for 80 Eclipsing Binaries II. ....	1 – 8
5496 ERDEM, A.; ÖZKARDEŞ, B.:	
BVR Photometry of the Contact Binary Star V829 Herculis .....	1 – 4
5497 ZAMANOV, R.; BODE, M. F.; TOMOV, N. A.:	
HeII $\lambda$ 4686 observations of T Coronae Borealis .....	1 – 4
5498 MAYER, PAVEL:	
The Database ASAS and the Periods of Several Early-Type Binaries .....	1 – 4
5499 LACY, CLAUD H. SANDBERG:	
Photometric Orbits of KU Aurigae and SW Cancri .....	1 – 4
5500 Reports on New Discoveries .....	1 – 10



## AUTHOR INDEX

Achee, C. G.	5415	Chochol, D.	5414
Adelman, Saul J.	5460	Christian, D. J.	5447
Agerer, Franz	5484, 5485	Çiçek, C.	5464
Ak, H.	5462	Çinar, D.	5407, 5471
Akçay, U.	5443	Claus, Federico	5495
Aksu, O.	5407, 5471	Coates, D. W.	5444
Albayrak, B.	5407, 5471	Cole, J. K.	5415
Amorín, R.	5477	Cook, L.	5488
Antipin, S. V.	5409, 5461	Cooney, W.	5415
Aquino, B.	5415	Csák, Balázs	5434
Ayani, Kazuya	5454	Csizmadia, Szilárd	5434
Aydin, C.	5407	Czart, Krzysztof	5431
Bagheri, M. R.	5456	Dallaporta, Sergio	5413
Bakiş, H.	5451, 5464	Damineli, A.	5492
Bakiş, V.	5451, 5464	Dariush, A.	5456
Barzova, I. S.	5423	Deeg, H. J.	5470
Beaver, D.	5415	Dellinger, J.	5415
Bedient, J. R.	5478	Demeautis, Ch.	5428, 5429
Behrend, R.	5411, 5428, 5429	Demircan, O.	5464, 5476
Béjar, V. J. S.	5470	Demirhan, M.	5407, 5471
Benkő, J. M.	5433	Derekas, A.	5479
Bernasconi, L.	5411, 5428, 5429	Derman, E.	5439
Berthold, T.	5424, 5446, 5481	Diethelm, R.	5403, 5438
Billings, G.	5488	Dilapo, T.	5415
Bíró, Imre Barna	5434	Dillon, B.	5415
Blättler, E.	5403	Dolci, Mauro	5474
Blue, J. E.	5470	Doyle, L. R.	5470
Bode, M. F.	5497	Dueñas-Becerril, M.	5437
Bondar, A. V.	5468	Dunckel, N.	5415
Borkovits, Tamás	5434	Dupuis, J.	5447
Boschi, Federico	5410	Durig, D. T.	5415
Boyd, D.	5488	Durlevich, O. V.	5422
Breger, Michel	5430	Dvorak, S. W.	5425
Broens, E.	5415	Elmas, T.	5443
Brown, P.	5415	Elmasli, A.	5407, 5471
Brunozzi, Paolo	5473	Erdem, A.	5451, 5464, 5496
Budaj, J.	5423	Fagotti, Barbara	5473
Budding, E.	5451, 5464	Fagotti, Paolo	5473
Bulca, I.	5407	Fariña, C.	5477
Bulut, I.	5476	Faulkner, Danny G.	5405
Çaglar, A.	5443	Fekel, F. C.	5465
Capezali, Daniele	5420, 5473	Fernández Lajús, E.	5477
Castellano-Roig, J.	5437	Filiz, N.	5462
Çetintaş, C.	5407	Fiorucci, Massimo	5420, 5473, 5474
Çeviker, S.	5471	Fishman, G. J.	5415
Charbonnel, S.	5428	Gabányi, K. É.	5433
Cherry, J. B.	5415	Gałań, C.	5412, 5445

Galazutdinov, G.	5412	Kaya, F.	5463
Gamen, R.	5477	Kaye, A. B.	5465
García-Lastra, A.	5455	Kazarovets, E. V.	5422, 5435
García-Melendo, E.	5455	Kereszty, Z.	5415
Garland, G. F.	5415	Kilmartin, P.	5415
Garossino, P.	5415	Kinman, T. D.	5459
Garossino, T.	5415	Kirca, M.	5443
Gary, B.	5415, 5488	Kireeva, N. N.	5422
Gilmore, A.	5415	Kiss, L. L.	5479
Goff, B.	5488	Kolev, D.	5412
Gómez-Forrellad, J. M.	5455	Könyves, Vera	5434
González-Rojas, D. J.	5437	Kóspál, Ágnes	5434
Gözler, A. P.	5407, 5471	Kravtsov, V. V.	5452
Graczyk, D.	5412, 5445	Kroll, P.	5424, 5441, 5446, 5461,
Graham, K.	5488		5481
Granslo, B.	5415	Kudryavtsev, D.	5440
Greaves, J.	5458, 5472, 5489, 5490,	Kutdemir, E.	5407
	5491	Lacy, C. H. S.	5487, 5499
Groh, J. H.	5492	Lampens, P.	5442, 5475
Guarro-Flo, J.	5455	Liesmann, J.	5415
Guilbault, P. R.	5421	Llinares, C.	5477
Gürdemir, L.	5443	Loffin, Trevor Sequoia	5404
Gürol, B.	5443, 5463	Lou-Felipe, M.	5437
Hamsch, J.	5415	Lubcke, G.	5415
Häussler, K.	5424, 5446, 5481	Maciejewski, Gracjan	5431, 5494
Hazen, M. L.	5450	Makita, M.	5416
Heckert, Paul A.	5419, 5451	Mancinelli, Vannio	5473
Hegedüs, Tibor	5434	Marino, A.	5427
Henden, A. A.	5410, 5415, 5455, 5488	Mathioudakis, M.	5447
Hohman, D.	5415	Matsumoto, Katsura	5454
Hübscher, Joachim	5484, 5485	Mattei, J. A.	5415, 5488
Huver, S.	5470	Mayer, Pavel	5498
Iliev, I. Kh.	5423	Mckenzie, Rob	5405
Ingraham, P. J.	5408	Messier, D.	5488
Innis, J. L.	5444	Mészáros, Szabolcs	5434
Ishioka, R.	5416	Micela, G.	5427
Ismailov, N. Z.	5466	Mikołajewski, M.	5412, 5445
Jafarzadeh, Sh.	5456	Mineshige, S.	5416
Jevremović, D.	5447	Monacelli, Giuseppe	5420
Juan-Samsó, J.	5437, 5455	Monard, B.	5415
Kaiser, D.	5415	Mosleh, M.	5456
Kalci, R.	5439	Munari, Ulisse	5410, 5413
Kara, A.	5407, 5471	Musaev, F. A.	5468
Karakaş, T.	5407, 5471	Müyesseroğlu, Z.	5463
Karska, Agata	5431, 5494	Nelson, P.	5415
Kato, T.	5416, 5417, 5426	Nelson, Robert H.	5493
Katsumi, Haseda	5417	Niedzielski, Andrzej	5431
Kawabata, Tetsuya	5454	Niemela, V.	5477
Kawka, A.	5447	Nogami, D.	5416

Norton, C. B.	5415	Šmelcer, L.	5418, 5436
Oksanen, A.	5415, 5488	Sobotka, P.	5469
Otero, Sebastián A.	5480, 5482, 5490,	Sorokin, P.	5409
	5495	Soydugan, E.	5451
Özavci, I.	5463	Soydugan, F.	5451
Özdemir, T.	5463	Spogli, Corrado	5420, 5473, 5474
Özkardeş, B.	5496	Starkey, D.	5415, 5428
Paakkonen, P.	5415	Stateva, I.	5423
Pál, András	5434	Steininger, Bruno	5430
Paparó, Margit	5430	Strassmeier, K.	5440
Parimucha, Š.	5414	Stubbings, Rod	5426
Pastukhova, E. N.	5435, 5448	Swamickannu, J. P.	5415
Pejcha, O.	5469	Szabados, László	5434
Peres, G.	5427	Szabó, Gy. M.	5479
Pier, J. R.	5459	Székely, P.	5467
Pompei, E.	5432	Tanriverdi, T.	5407, 5471
Posztobányi, Kálmán	5434	Templeton, M. R.	5483, 5488
Pribulla, T.	5414	Thanjavur, K.	5449
Price, A.	5415, 5488	Thompson, K.	5444
Qian, Shengbang	5486	Thomson, R.	5444
Raimondo, Gabriella	5420, 5474	Tikkanen, P.	5415
Revaz, Y.	5429	Tomov, N. A.	5497
Riazi, N.	5456	Tomov, T.	5412
Rinner, C.	5428, 5429	Torres, G.	5402, 5421
Robb, R. M.	5408, 5449	Törün, E.	5463
Robertson, C. W.	5442	Tunç, A.	5443
Romanyuk, I.	5440	Tunç, T.	5463
Saha, A.	5459	Turhanoglu, B.	5407
Şahin, Ş.	5471	Uemura, M.	5416
Salas-Borrajo, E.	5455	Van Cauteren, P.	5442, 5475, 5489
Salerno, N.	5477	Vaňko, M.	5414
Samec, Ronald G.	5404, 5405	Vanmunster, T.	5488
Samus, N. N.	5409, 5422, 5435, 5441,	Váradi, M.	5479
	5448, 5450	Vennes, S.	5447
Savanov, I.	5440, 5468	Vidal-Sáinz, J.	5437, 5455
Saviane, I.	5432	Vincent, J.	5449
Schmeer, P.	5488	Virághalmy, Géza	5430
Schmidtobreick, L.	5432	Volkov, I.	5441
Schnoor, P. W.	5415	Von der Linden, A.	5415
Schraback, T.	5415	Waelchli, N.	5429
Schwartz, M.	5477	Welch, D. L.	5415
Sciortino, S.	5427	West, D.	5415, 5488
Seifert, A. L.	5415	Wils, P.	5401, 5425, 5442, 5457,
Selam, S. O.	5407, 5471		5458, 5475, 5489, 5490,
Semkov, E. H.	5406		5491
Şenavci, H. V.	5407, 5471	Wright, N. H.	5408
Sensi, Angelo	5473	Xiang, Fuyuan	5486
Sezgin, A. S.	5407	Yamaoka, H.	5416
Šimon, V.	5453	Yilmaz, M.	5407, 5471

Zabihinpoor, S. M.	5456
Zamanov, R.	5497
Zejda, M.	5469
Zheleznyak, A. P.	5452
Zhu, Liying	5486
Zissell, R.	5488
Žižňovský, J.	5423
Zsuffa, Dávid	5430
Zverko, J.	5423
Zwitter, Tomáš	5413

## INDEX OF VARIABLES

Star	IBVS No.	Star	IBVS No.
RT And	5470	V459 Aur	5462
RX And	5420	TY Boo	5494
XZ And	5434	TZ Boo	5494
AB And	5434, 5439	UW Boo	5464
AR And	5420	VW Boo	5443
BV And	5420	XY Boo	5464, 5494
BX And	5443	AC Boo	5464, 5494
CN And	5443, 5494	AD Boo	5494
DU And	5459	BW Boo	5463
DX And	5420	CV Boo	5464, 5494
FO And	5420	EF Boo	5464
FS And	5420	ET Boo	5494
HP And	5416	44i Boo	5443, 5470
LV And	5459	Y Cam	5464
MP And	5459	SV Cam	5407
MR And	5459	AW Cam	5494
MU And	5459	AY Cam	5479
MV And	5459	SW Cnc	5499
MX And	5459	WY Cnc	5419
NN And	5459	VV CVn	5403
NO And	5459	BI CVn	5471
NQ And	5459	BO CVn	5463, 5471
V363 And	5471	CI CVn	5462
V376 And	5407	EM Car	5498
EE Aqr	5470	V466 Car	5482
HV Aqr	5407	$\eta$ Car	5477, 5492
CI Aql	5454	XX Cas	5494
OO Aql	5443, 5464, 5471	AB Cas	5464
V346 Aql	5463	DO Cas	5456
V803 Aql	5464	HT Cas	5420
SS Ari	5434	OX Cas	5476
SX Aur	5494	V516 Cas	5433
SZ Aur	5436	V523 Cas	5443
TT Aur	5462	V776 Cas	5407
VX Aur	5436	V821 Cas	5462, 5464, 5476
AW Aur	5483	SV Cen	5498
BF Aur	5494	V504 Cen	5426
HP Aur	5434	RY Cep	5436
IM Aur	5434	VW Cep	5434, 5456, 5470
IU Aur	5434	XX Cep	5470
KU Aur	5499	CQ Cep	5494

Star	IBVS No.	Star	IBVS No.
DI Cep	5466	ST Gem	5436
EE Cep	5412	OW Gem	5445
EG Cep	5464	SZ Her	5464, 5467
FK Cep	5461	AK Her	5434, 5471
GS Cep	5464	GU Her	5434
V391 Cep	5406	V548 Her	5424
AQ Cir	5498	V672 Her	5469
T CrB	5497	V829 Her	5496
RW CrB	5479	V861 Her	5434
YY CrB	5462, 5471	V994 Her	5462
$\theta$ CrB	5460	S Lac	5436
CG Cyg	5407, 5439	SW Lac	5407, 5434, 5471
CV Cyg	5463	AY Lac	5441
EM Cyg	5474	CO Lac	5462
GO Cyg	5456	EM Lac	5464
MR Cyg	5476	MN Lac	5420
V456 Cyg	5464	V364 Lac	5476
V477 Cyg	5434, 5476	V401 Lac	5462
V478 Cyg	5462, 5464	V402 Lac	5476
V515 Cyg	5420	X Leo	5473
V632 Cyg	5420	UV Leo	5434, 5443
V836 Cyg	5464	UZ Leo	5434
V859 Cyg	5464	AM Leo	5443, 5471
V1028 Cyg	5420	ET Leo	5407
V1032 Cyg	5420	RY LMi	5430
V1052 Cyg	5420	UW LMi	5476
V1060 Cyg	5420	VW LMi	5439
V1073 Cyg	5439	RW Lyn	5459
V1143 Cyg	5456	RZ Lyn	5494
V1316 Cyg	5420	SW Lyn	5494
V1377 Cyg	5420	UV Lyn	5494
DM Del	5494	VX Lyn	5459
LS Del	5494	VY Lyn	5459
W Dra	5436	VZ Lyn	5459
Z Dra	5464	WX Lyn	5459
RZ Dra	5464	YY Lyn	5459
TZ Dra	5464	ZZ Lyn	5459
AR Dra	5463	AC Lyn	5459
AX Dra	5464	AD Lyn	5459
BV Dra	5470	AF Lyn	5459
FU Dra	5464	AK Lyn	5459
SV Equ	5463	AL Lyn	5459
$\gamma$ Equ	5468	BG Lyn	5494
U Gem	5453	CC Lyn	5439

Star	IBVS No.	Star	IBVS No.
RU Lyr	5436	UV Psc	5470
RW Lyr	5436	AQ Psc	5439, 5463
TZ Lyr	5470	V366 Pup	5482
FL Lyr	5470	V431 Pup	5498
PY Lyr	5464	DT Sco	5448
V404 Lyr	5434	DV Sco	5448
NN Mon	5464	V597 Sco	5450
V524 Mon	5404	V701 Sco	5498
TU Mus	5498	T Sex	5459
UY Mus	5405	EQ Tau	5463
PZ Nor	5432	V781 Tau	5407, 5471
V566 Oph	5470	V1123 Tau	5439
V823 Oph	5481	V1154 Tau	5413
V825 Oph	5481	V Tri	5463, 5494
V839 Oph	5443	RS Tri	5494
V868 Oph	5469	TU Tri	5420
V2066 Oph	5424	TW Tri	5420
CN Ori	5420	TX Tri	5420
CZ Ori	5420	AK Tri	5494
U Peg	5464, 5471	CF Tuc	5444
RU Peg	5420	W UMa	5494
RV Peg	5436	TX UMa	5494
SX Peg	5436	VV UMa	5494
AT Peg	5464	XY UMa	5434, 5494
BB Peg	5464	ZZ UMa	5494
BN Peg	5464	DN UMa	5476
BX Peg	5494	DT UMa	5469
DI Peg	5407	DW UMa	5434
GP Peg	5494	HH UMa	5414
IP Peg	5420	LP UMa	5434
IQ Peg	5459	U UMi	5418
KL Peg	5459	PT Vel	5482
KM Peg	5459	AG Vir	5464
KN Peg	5459	GR Vir	5463, 5471
KO Peg	5459	HW Vir	5443
V351 Peg	5471	SW Vul	5420
V357 Peg	5407	VW Vul	5420
UV Per	5488	BP Vul	5421
AG Per	5434	BS Vul	5463
FO Per	5420	ER Vul	5470
IK Per	5486	1RXS–F J071507.4–044437	5425
KT Per	5420		
V432 Per	5464		
V436 Per	5462		

Star	IBVS No.	Star	IBVS No.
1RXS J950391.1–053029	5425	FASTT 0024	5455
1RXS J131032.4–040934	5425	FASTT 0103	5455
1RXS J162013.2+243606	5449	FASTT 0452	5455
2MASS J18381408–0531148	5500	FASTT 0491	5455
ALS 10422	5472	FASTT 0498	5455
AP 149	5440	FASTT 0709	5455
ASAS3 094509–6327.4	5491	FASTT 1555	5455
ASAS3 113104–4107.1	5491	GRB030329	5415
ASAS3 133952–2652.3	5491	GSC 00136–01416	5435
ASAS3 135857–4053.8	5491	GSC 00153–01410	5404
ASAS3 141345–2254.7	5491	GSC 00207–01928	5441
ASAS3 142108–3704.2	5491	GSC 00229–00701	5411
ASAS3 145745–3026.6	5491	GSC 00244–01292	5455
ASAS3 150327–4756.1	5491	GSC 00263–00256	5455
ASAS3 151706–4356.6	5491	GSC 00323–00830	5500
ASAS3 152313–3226.7	5491	GSC 00366–00475	5455
ASAS3 161206–5942.7	5491	GSC 00568–01658	5455
ASAS3 220324–2928.9	5491	GSC 00570–00139	5491
ASAS3 231550–2300.2	5491	GSC 00619–00232	5437
ASAS3 232357–5318.2	5491	GSC 00661–00503	5428
ASAS3 223151+0237.4	5491	GSC 00731–01604	5435
BD –00°2900	5425	GSC 00804–00118	5500
BD –02°2221	5425	GSC 00812–00052	5499
BD –03°3419	5425	GSC 00825–01465	5411
BD –04°2739	5425	GSC 00843–00262	5428
BD +20°2890	5431	GSC 01158–00921	5500
BD +22°8180	5413	GSC 01262–00555	5500
BD +27°2138	5423	GSC 01272–00110	5500
BD +27°3000	5423	GSC 01400–00455	5428
BD +42°1795	5431	GSC 01402–00052	5428
BD +43°1775	5431	GSC 01402–00121	5428
BD +55°2693	5412	GSC 01404–01687	5500
Brh V136	5500	GSC 01473–01049	5431
BV 1112	5401	GSC 01648–00845	5500
BV 1635	5401	GSC 01649–00006	5429
MIS V0665	5500	GSC 01649–01573	5500
CD –52°2502	5427	GSC 02052–01108	5500
CoD –22°12017	5417	GSC 02056–00419	5500
CoD –26°11583	5448	GSC 02056–00812	5500
CSS 401	5401	GSC 02139–02190	5472
EUVE J0613–23.9B	5447	GSC 02192–01283	5500
		GSC 02379–00665	5408
		GSC 02422–00020	5499
		GSC 02495–01124	5428
		GSC 02497–00101	5429



Star	IBVS No.	Star	IBVS No.
GSC 02511–00053	5411	GSC 07317–00157	5491
GSC 02511–00167	5494	GSC 07740–01289	5490
GSC 02521–01524	5414	GSC 07744–00868	5491
GSC 02534–00216	5403	GSC 07758–01126	5489
GSC 02536–00122	5403	GSC 07794–00682	5491
GSC 02548–00936	5403	GSC 07834–01438	5491
GSC 02583–00504	5442	GSC 07892–01411	5490
GSC 02597–00679	5496	GSC 08297–01427	5491
GSC 02936–00478	5500	GSC 08606–00190	5489
GSC 03022–00996	5403	GSC 08693–00661	5489
GSC 03135–00673	5469	GSC 08722–00769	5491
GSC 03328–00163	5500	GSC 08831–00796	5491
GSC 03472–00641	5431, 5494	GSC 08946–02667	5491
GSC 03649–00825	5500	GSC 08987–00392	5405
GSC 03658–00076	5437	GSC 09024–00007	5490
GSC 03667–00826	5500	GSC2.2 N03112224474	5500
GSC 03822–01056	5434	GSC2.2 N031330127360	5500
GSC 03693–01720	5500	GSC2.2 N311332336840	5500
GSC 04178–00277	5418	GSC2.2 S00111322304	5500
GSC 04371–00161	5500	HadV98	5417
GSC 04674–06967	5455	HBV 463	5404
GSC 04709–01250	5455	HD 000434	5423
GSC 04836–01821	5401	HD 005303	5444
GSC 04853–01862	5401	HD 019684	5465
GSC 04903–01476	5455	HD 023642	5402
GSC 04904–01087	5425	HD 032641	5413
GSC 04948–00989	5428	HD 035850	5451
GSC 04998–00854	5429	HD 051697	5425
GSC 05154–01249	5401	HD 057897	5482
GSC 05569–00389	5429	HD 065498	5431
GSC 05710–00553	5500	HD 067093	5425
GSC 06292–01507	5500	HD 067894	5431
GSC 06315–00727	5500	HD 070333	5482
GSC 06328–00223	5500	HD 079154	5482
GSC 06336–00140	5411	HD 089027	5425
GSC 06338–01083	5500	HD 093308	5477, 5492
GSC 06666–00796	5489	HD 108642	5423
GSC 06698–00302	5490	HD 125556	5418
GSC 06722–01540	5491	HD 133640	5470
GSC 06730–00109	5491	HD 138749	5460
GSC 06771–01281	5489	HD 143454	5497
GSC 06825–00253	5417	HD 162905	5425
GSC 06960–00506	5491	HD 163611	5470
GSC 06973–01172	5491	HD 204615	5475
GSC 07294–02242	5491	HD 258878	5445
GSC 07298–00015	5491		

Star	IBVS No.	Star	IBVS No.
HD 279684	5408	[KM W82] 55	5459
HD 296761	5425	[KM W82] 60	5459
HD 352179	5421	[KM W82] 61	5459
HIP 00728	5423	[M15] ZK 62	5452
HIP 17704	5402	[M15] ZK 68	5452
HIP 23699	5413	M31-RV	5410
HIP 25486	5451	MSX5C G252.1851+40.6061	5401
HIP 54165	5414	MSX6C G026.5153+00.4088	5500
HIP 60880	5423		
HR 01817	5451	[NGC 7129] V1–V3	5406
HR 04750	5421	NSV 00016	5409
HR 05778	5460	NSV 00308	5478
		NSV 01982	5478
HV 04223	5448	NSV 02904	5435
HV 04225	5448	NSV 02910	5435
HV 10835	5450	NSV 02911	5435
IRAS 07454–0228	5401	NSV 02925	5435
IRAS 08239–0307	5401	NSV 03025	5435
IRAS 16112–0624	5401	NSV 04082	5401
IRAS 17440–0407	5401	NSV 04796	5478
IRAS 18108–0503	5401	NSV 06068	5490
IRAS 18413–0641	5401	NSV 07549	5401
IRAS 19456–0522	5401	NSV 07865	5424
IRAS 19582–0613	5401	NSV 08001	5446
IRAS 06155+1544	5435	NSV 08095	5446
IRAS 06158+0206	5435	NSV 08097	5446
IRAS 06162+0919	5435	NSV 08132	5446
IRAS 06182+0752	5435	NSV 08184	5446
		NSV 08293	5424
[KM W82] 01	5459	NSV 09245	5490
[KM W82] 12	5459	NSV 09820	5481
[KM W82] 14	5459	NSV 10115	5481
[KM W82] 18	5459	NSV 10400	5489
[KM W82] 20	5459	NSV 11266	5401
[KM W82] 21	5459	NSV 25610	5475
[KM W82] 23	5459		
[KM W82] 24	5459	ROTSE1 J130549.16+383706.1	5403
[KM W82] 34	5459	ROTSE1 J131047.78+364407.2	5403
[KM W82] 35	5459	ROTSE1 J133413.76+312125.0	5403
[KM W82] 36	5459	ROTSE1 J140205.83+340239.1	5403
[KM W82] 38	5459	ROTSE1 J161331.84+323439.6	5442
[KM W82] 44	5459	[S84e] IV v103	5459
[KM W82] 46	5459	[S84e] IV v104	5459
[KM W82] 48	5459	[S84e] IV v106	5459
[KM W82] 50	5459	[S84e] IV v107	5459
[KM W82] 52	5459	[S84e] IV v108	5459

Star	IBVS No.	Star	IBVS No.
[S84e] IV v201	5459	USNO-B1.0 0844–0397216	5500
[S84e] IV v301	5459	USNO-B1.0 0847–0554572	5401
[S84e] IV v401	5459	USNO-B1.0 0858–0334726	5401
S 10134	5409	USNO-B1.0 0867–0188840	5401
SAO 73772	5423	USNO-B1.0 0874–0221669	5401
SAO 82326	5423	USNO-B1.0 1091–0130715	5500
SAO 84309	5449	USNO-B1.0 1320–0191566	5500
StM 138	5401	USNO-B2.0 1018–0170646	5500
SV R 038	5478	Var75 Cep	5461
SV R 039	5478	Var76 Cyg	5461
SV R 089	5478	VXR45	5427
SV R 206	5478	162 <sup>nd</sup> List of Minima Timings of	
SV R 352	5478	Eclipsing Binaries by BBSAG	
TASS J174643.5–040811	5461	Observers	5438
TYC 1648–525–1	5500	CCD Minima for Selected Eclipsing	
TYC 2047–320–1	5449	Binaries in 2003	5493
TYC 2379–665–1	5408	Confirmation of Variability of	
TYC 2511–167–1	5411	Bidelman-MacConnel Suspected	
TYC 2597–679–1	5496	Variables	5457
TYC 3667–826–1	5500	Confirmation of Variability of	
USNO-A2.0 0600–00386907	5500	FASTT Suspected Variables	5458
USNO-A2.0 0675–29051924	5500	New Elements for 80 Eclipsing	
USNO-A2.0 0975–05664710	5500	Binaries	5480
USNO-A2.0 0975–20094153	5500	New Elements for 80 Eclipsing	
USNO-A2.0 1050–04473675	5500	Binaries II.	5495
USNO-A2.0 1050–01146056	5500	Photoelectric Minima of Selected	
USNO-A2.0 1050–01201364	5429	Eclipsing Binaries	5484
USNO-A2.0 1050–19031360	5500	Photoelectric Minima of Selected	
USNO-A2.0 1050–19244897	5428	Pulsating Stars	5485
USNO-A2.0 1125–07492086	5500	The 77 <sup>th</sup> Name-List of Variable	
USNO-A2.0 1125–07562489	5500	Stars	5422
USNO-A2.0 1125–07685034	5500	Times of Minima of Eclipsing	
USNO-A2.0 1125–07709696	5500	Binary Stars	5487
USNO-A2.0 1125–18452169	5500		
USNO-A2.0 1200–07792474	5500		
USNO-A2.0 1200–07798871	5500		
USNO-A2.0 1275–00120038	5500		
USNO-A2.0 1350–18288664	5500		
USNO-A2.0 1425–14529683	5500		
USNO-A2.0 1425–15156364	5500		
USNO-B1.0 0824–0264160	5401		
USNO-B1.0 0834–0296187	5401		
USNO-B1.0 0839–0602533	5401		