

Recent Minima of 298 Eclipsing Binary Stars

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Abstract This paper continues the publication of times of minima for eclipsing binary stars from observations reported to the AAVSO EB section. Times of minima from observations received from August 2016 thru January 2017 are presented.

1. Recent observations

The accompanying list contains times of minima calculated from recent CCD observations made by participants in the AAVSO's eclipsing binary program. This list will be web-archived and made available through the AAVSO ftp site at <ftp://ftp.aavso.org/public/datasets/gsamoj451eb.txt>. This list, along with the eclipsing binary data from earlier AAVSO publications, is also included in the Lichtenknecker database administrated by the Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e. V. (BAV) at: <http://www.bav-astro.eu/index.php/veroeffentlichungen/service-for-scientists/lkdb-engl>. These observations were reduced by the observers or the writer using the method of Kwee and Van Woerden (1956). The standard error is included when available. Column F indicates the filter used. A "C" indicates a clear filter.

The linear elements in the *General Catalogue of Variable Stars* (GCVS; Kholopov *et al.* 1985) were used to compute the O–C values for most stars. For a few exceptions where the GCVS elements are missing or are in significant error, light elements from another source are used: CD Cam (Baldwin and Samolyk 2007), AC CMi (Samolyk 2008), CW Cas (Samolyk 1992a), DV Cep (Frank and Lichtenknecker 1987), DF Hya (Samolyk 1992b), and GU Ori (Samolyk 1985).

The light elements used for QX And, V404 And, V463 And, EF Aqr, FS Aqr, IU Cnc, AP CMi, CZ CMi, LS Del, BC Her, V728 Her, V899 Her, V1033 Her, V1034 Her, WZ Leo, V423 Oph, V1363 Ori, V351 Peg, AQ Psc, CP Psc, DS Psc, DV Psc, DZ Psc, GR Psc, V1121 Tau, V1128 Tau, V1223 Tau, HT Vir, and MS Vir are from Kreiner (2004).

The light elements used for DD Aqr, GK Aqr, V1542 Aql, XY Boo, DN Boo, GH Boo, GM Boo, GP Boo, IK Boo, CW CMi, CX CMi, V2477 Cyg, V2643 Cyg, MZ Del, KK Gem, V1092 Her, V1097 Her, V470 Hya, V474 Hya, XX Leo, CE Leo, GV Leo, HI Leo, V1853 Ori, V2790 Ori, V740 Per,

VZ Psc, ET Psc, V1332 Tau, GR Vir, IR Vir, and NN Vir are from Paschke (2014).

The light elements used for MW And, V459 Aur, V348 Cyg, V382 Cyg, V2247 Cyg, V337 Gem, V390 Hya, V613 Peg, BB Per, V881 Per, HO Psc, and V495 Vul are from Nelson (2016).

The light elements used for V1470 Aql, V380 Gem, V383 Gem, V388 Gem, EU Hya, V534 Peg, V737 Per, V996 Per, and V391 Vir are from the AAVSO VSX site (Watson *et al.* 2014). O–C values listed in this paper can be directly compared with values published in the AAVSO EB monographs.

References

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Table 1. Recent times of minima of stars in the AAVSO eclipsing binary program.

| <i>Star</i> | <i>JD (min)</i> <i>Hel.</i> | <i>Cycle</i> | <i>O–C</i> <i>(day)</i> | <i>F</i> | <i>Observer</i> | <i>Error</i> <i>(day)</i> | <i>Star</i> | <i>JD (min)</i> <i>Hel.</i> | <i>Cycle</i> | <i>O–C</i> <i>(day)</i> | <i>F</i> | <i>Observer</i> | <i>Error</i> <i>(day)</i> |
|-------------|--------------------------------|--------------|----------------------------|----------|-----------------|------------------------------|-------------|--------------------------------|--------------|----------------------------|----------|-----------------|------------------------------|
| | 2400000 + | | | | | | | 2400000 + | | | | | |
| RT And | 57607.8799 | 26181 | –0.0127 | V | G. Samolyk | 0.0001 | WZ And | 57630.7561 | 24090 | 0.0745 | V | K. Menzies | 0.0001 |
| RT And | 57684.6107 | 26303 | –0.0113 | V | G. Samolyk | 0.0001 | WZ And | 57676.6706 | 24156 | 0.0756 | V | G. Samolyk | 0.0001 |
| TW And | 57634.6771 | 4515 | –0.0579 | V | G. Samolyk | 0.0003 | XZ And | 57633.7960 | 24797 | 0.1819 | V | G. Samolyk | 0.0001 |
| UU And | 57608.7866 | 10737 | 0.0864 | V | G. Samolyk | 0.0001 | XZ And | 57754.5949 | 24886 | 0.1831 | V | G. Samolyk | 0.0001 |
| UU And | 57684.5883 | 10788 | 0.0871 | V | G. Samolyk | 0.0001 | AB And | 57603.8708 | 64763 | –0.0398 | V | R. Sabo | 0.0001 |
| WZ And | 57623.7991 | 24080 | 0.0741 | V | G. Samolyk | 0.0001 | AB And | 57609.8443 | 64781 | –0.0403 | V | K. Menzies | 0.0001 |

Table continued on following pages

Table 1. Recent times of minima of stars in the AAVSO eclipsing binary program, cont.

| <i>Star</i> | <i>JD (min)</i> <i>Hel.</i> <i>2400000+</i> | <i>Cycle</i> | <i>O-C</i> <i>(day)</i> | <i>F</i> | <i>Observer</i> | <i>Error</i> <i>(day)</i> | <i>Star</i> | <i>JD (min)</i> <i>Hel.</i> <i>2400000+</i> | <i>Cycle</i> | <i>O-C</i> <i>(day)</i> | <i>F</i> | <i>Observer</i> | <i>Error</i> <i>(day)</i> |
|-------------|---------------------------------------------------|--------------|----------------------------|----------|-----------------|------------------------------|-------------|---------------------------------------------------|--------------|----------------------------|----------|-----------------|------------------------------|
| AB And | 57646.6842 | 64892 | -0.0405 | V | G. Samolyk | 0.0003 | TZ Boo | 57608.6805 | 60491.5 | 0.0636 | V | R. Sabo | 0.0004 |
| AB And | 57690.3268 | 65023.5 | -0.0417 | V | L. Corp | 0.0001 | XY Boo | 57531.7259 | 47435 | 0.0106 | C | G. Frey | 0.0001 |
| AB And | 57690.4935 | 65024 | -0.0409 | V | L. Corp | 0.0001 | DN Boo | 57512.7338 | 5838 | 0.0014 | C | G. Frey | 0.0002 |
| AB And | 57698.6245 | 65048.5 | -0.0413 | V | G. Samolyk | 0.0001 | GH Boo | 57510.6921 | 9478 | -0.0070 | C | G. Frey | 0.0002 |
| AD And | 57623.7660 | 18882 | -0.0347 | V | K. Menzies | 0.0001 | GM Boo | 57524.7314 | 15295 | 0.0163 | C | G. Frey | 0.0002 |
| AD And | 57649.9016 | 18908.5 | -0.0333 | V | G. Samolyk | 0.0001 | GP Boo | 57525.7179 | 7654 | -0.0081 | C | G. Frey | 0.0002 |
| AD And | 57711.5364 | 18971 | -0.0357 | V | K. Menzies | 0.0001 | IK Boo | 57521.6857 | 13655 | -0.0166 | C | G. Frey | 0.0001 |
| BD And | 57642.7817 | 48996 | 0.0206 | V | G. Samolyk | 0.0003 | SV Cam | 57684.7449 | 25444 | 0.0579 | V | G. Samolyk | 0.0002 |
| BD And | 57699.7154 | 49119 | 0.0173 | V | G. Samolyk | 0.0001 | CD Cam | 57684.7998 | 6441 | -0.0096 | V | G. Samolyk | 0.0004 |
| BX And | 57622.8179 | 34574 | -0.0876 | V | G. Samolyk | 0.0001 | IU Cnc | 57769.8131 | 12498 | 0.0113 | V | K. Menzies | 0.0001 |
| BX And | 57649.6626 | 34618 | -0.0879 | V | N. Simmons | 0.0001 | R CMa | 57712.8909 | 11817 | 0.1210 | V | G. Samolyk | 0.0001 |
| CN And | 57699.5678 | 34837 | -0.1500 | V | G. Persha | 0.0002 | UU CMa | 57696.8943 | 6046 | -0.0812 | V | G. Samolyk | 0.0001 |
| DS And | 57606.8394 | 21241 | 0.0043 | V | G. Samolyk | 0.0002 | YZ CMi | 57669.9872 | 26305 | 0.0016 | V | G. Samolyk | 0.0001 |
| DS And | 57680.6066 | 21314 | 0.0036 | V | G. Samolyk | 0.0001 | YY CMi | 57433.6938 | 26883 | 0.0152 | C | G. Frey | 0.0001 |
| DS And | 57693.7430 | 21327 | 0.0033 | V | K. Menzies | 0.0001 | AC CMi | 57432.6799 | 6289 | 0.0037 | C | G. Frey | 0.0001 |
| MW And | 57667.7432 | 12188.5 | -0.0075 | V | K. Menzies | 0.0002 | AC CMi | 57698.9155 | 6596 | 0.0038 | V | G. Samolyk | 0.0001 |
| QX And | 57606.8365 | 12390 | 0.0014 | V | G. Samolyk | 0.0002 | AC CMi | 57745.7449 | 6650 | 0.0035 | V | G. Silvis | 0.0001 |
| QX And | 57627.8546 | 12441 | -0.0013 | V | K. Menzies | 0.0003 | AP CMi | 57417.6932 | 2273 | -0.0214 | C | G. Frey | 0.0001 |
| QX And | 57680.6184 | 12569 | 0.0045 | V | G. Samolyk | 0.0002 | CW CMi | 57431.7048 | 16619.5 | -0.0249 | C | G. Frey | 0.0002 |
| QX And | 57680.8213 | 12569.5 | 0.0013 | V | G. Samolyk | 0.0002 | CX CMi | 57445.6668 | 4897 | 0.0192 | C | G. Frey | 0.0001 |
| QX And | 57711.5277 | 12644 | 0.0009 | V | K. Menzies | 0.0001 | CZ CMi | 57423.7355 | 11547 | -0.0088 | C | G. Frey | 0.0001 |
| V404 And | 57680.7620 | 7663 | 0.0007 | C | G. Frey | 0.0001 | TY Cap | 57611.7084 | 9005 | 0.0910 | V | G. Samolyk | 0.0001 |
| V463 And | 57685.7127 | 12769 | -0.0025 | C | G. Frey | 0.0001 | RZ Cas | 57673.6293 | 12109 | 0.0771 | V | G. Samolyk | 0.0001 |
| RY Aqr | 57634.7256 | 8548 | -0.1339 | V | G. Samolyk | 0.0001 | RZ Cas | 57673.6315 | 12109 | 0.0793 | V | S. Cook | 0.0003 |
| SU Aqr | 57688.6788 | 21393 | -0.0206 | C | G. Frey | 0.0001 | TV Cas | 57676.6760 | 7213 | -0.0295 | V | G. Samolyk | 0.0001 |
| CX Aqr | 57608.8452 | 38050 | 0.0153 | V | G. Samolyk | 0.0001 | TW Cas | 57622.8332 | 10932 | 0.0079 | V | N. Simmons | 0.0001 |
| CX Aqr | 57666.6675 | 38154 | 0.0150 | C | G. Frey | 0.0001 | ZZ Cas | 57611.6796 | 19440 | 0.0197 | V | G. Samolyk | 0.0002 |
| CX Aqr | 57686.6835 | 38190 | 0.0155 | V | G. Samolyk | 0.0001 | AB Cas | 57640.8584 | 10920 | 0.1338 | V | G. Samolyk | 0.0002 |
| CZ Aqr | 57606.8496 | 16500 | -0.0604 | V | G. Samolyk | 0.0001 | AB Cas | 57673.6637 | 10944 | 0.1341 | V | G. Samolyk | 0.0001 |
| CZ Aqr | 57664.6536 | 16567 | -0.0609 | V | G. Samolyk | 0.0001 | AB Cas | 57736.5410 | 10990 | 0.1352 | V | G. Samolyk | 0.0001 |
| DD Aqr | 57656.6598 | 13634 | 0.0026 | C | G. Frey | 0.0002 | CW Cas | 57607.6551 | 50101.5 | -0.0996 | V | G. Samolyk | 0.0001 |
| EF Aqr | 57698.7061 | 1821 | 0.0014 | C | G. Frey | 0.0001 | CW Cas | 57642.7298 | 50211.5 | -0.1000 | V | G. Samolyk | 0.0001 |
| EX Aqr | 57668.6978 | 5811 | 0.0162 | C | G. Frey | 0.0008 | DZ Cas | 57604.8500 | 37165 | -0.2023 | V | G. Samolyk | 0.0002 |
| FS Aqr | 57663.6904 | 19704 | -0.0009 | C | G. Frey | 0.0001 | IR Cas | 57606.6543 | 22393 | 0.0121 | V | G. Samolyk | 0.0001 |
| GK Aqr | 57661.6977 | 33649 | 0.0154 | C | G. Frey | 0.0001 | IS Cas | 57610.7344 | 15658 | 0.0702 | V | G. Samolyk | 0.0001 |
| XZ Aql | 57643.7342 | 7358 | 0.1794 | V | G. Samolyk | 0.0001 | IS Cas | 57728.5912 | 15722 | 0.0702 | V | K. Menzies | 0.0001 |
| KO Aql | 57622.6925 | 5494 | 0.1019 | V | G. Samolyk | 0.0001 | IT Cas | 57671.6601 | 7419 | 0.0688 | V | G. Samolyk | 0.0001 |
| OO Aql | 57634.5794 | 37533 | 0.0652 | V | G. Samolyk | 0.0001 | IV Cas | 57623.6960 | 16794 | -0.1215 | V | N. Simmons | 0.0001 |
| OO Aql | 57637.6190 | 37539 | 0.0640 | V | N. Simmons | 0.0001 | IV Cas | 57649.6581 | 16820 | -0.1210 | V | G. Samolyk | 0.0001 |
| OO Aql | 57647.7535 | 37559 | 0.0628 | V | S. Cook | 0.0004 | IV Cas | 57684.6057 | 16855 | -0.1217 | V | G. Samolyk | 0.0001 |
| OO Aql | 57657.6375 | 37578.5 | 0.0644 | V | G. Samolyk | 0.0001 | IV Cas | 57702.5796 | 16873 | -0.1213 | V | G. Samolyk | 0.0001 |
| V343 Aql | 57604.7087 | 15809 | -0.0371 | V | G. Samolyk | 0.0001 | MM Cas | 57604.8310 | 19166 | 0.1120 | V | G. Samolyk | 0.0003 |
| V346 Aql | 57648.6397 | 14218 | -0.0134 | V | S. Cook | 0.0004 | MM Cas | 57676.6588 | 19228 | 0.1146 | V | G. Samolyk | 0.0001 |
| V609 Aql | 57643.7130 | 35500 | -0.0695 | C | G. Frey | 0.0002 | OR Cas | 57646.6041 | 10786 | -0.0302 | V | G. Samolyk | 0.0003 |
| V724 Aql | 57657.7126 | 5110 | -0.0146 | C | G. Frey | 0.0001 | OX Cas | 57635.8405 | 6574.5 | 0.0214 | V | G. Samolyk | 0.0002 |
| V1470 Aql | 57632.3620 | 10937 | -0.1050 | V | L. Corp | 0.0005 | PV Cas | 57600.7830 | 9925 | -0.0348 | V | S. Cook | 0.0002 |
| V1542 Aql | 57630.7437 | 13217 | 0.0161 | C | G. Frey | 0.0001 | PV Cas | 57686.5559 | 9974 | -0.0349 | V | G. Samolyk | 0.0001 |
| RX Ari | 57753.5447 | 18798 | 0.0654 | V | G. Silvis | 0.0001 | V364 Cas | 57633.6008 | 15100 | -0.0240 | V | G. Samolyk | 0.0001 |
| RX Ari | 57754.5725 | 18799 | 0.0636 | V | G. Samolyk | 0.0002 | V364 Cas | 57697.6376 | 15141.5 | -0.0245 | V | K. Menzies | 0.0001 |
| SS Ari | 57643.8535 | 45852.5 | -0.3630 | V | G. Samolyk | 0.0001 | V375 Cas | 57606.6633 | 15586 | 0.2404 | V | N. Simmons | 0.0001 |
| SS Ari | 57755.4970 | 46127.5 | -0.3678 | V | G. Silvis | 0.0001 | V375 Cas | 57634.6586 | 15605 | 0.2414 | V | G. Samolyk | 0.0001 |
| SX Aur | 57698.8370 | 14492 | 0.0192 | V | G. Samolyk | 0.0001 | V380 Cas | 57686.5768 | 23607 | -0.0719 | V | G. Samolyk | 0.0002 |
| WW Aur | 57719.7670 | 9811.5 | 0.0016 | V | G. Samolyk | 0.0001 | V523 Cas | 57573.8554 | 69979 | 0.1117 | V | B. Harris | 0.0001 |
| AP Aur | 57680.8776 | 26761.5 | 1.6121 | V | G. Samolyk | 0.0002 | U Cep | 57622.8289 | 5247 | 0.2056 | V | G. Samolyk | 0.0001 |
| AP Aur | 57702.7957 | 26800 | 1.6117 | V | G. Samolyk | 0.0001 | U Cep | 57647.7644 | 5257 | 0.2106 | V | S. Cook | 0.0007 |
| AP Aur | 57733.8279 | 26854.5 | 1.6164 | V | K. Menzies | 0.0001 | U Cep | 57702.6056 | 5279 | 0.2047 | V | G. Samolyk | 0.0001 |
| AR Aur | 57702.8133 | 4668 | -0.1262 | V | G. Samolyk | 0.0001 | SU Cep | 57635.6374 | 34735 | 0.0052 | V | G. Samolyk | 0.0002 |
| CL Aur | 57696.6955 | 19873 | 0.1778 | V | G. Samolyk | 0.0001 | WW Cep | 57635.7111 | 21261 | 0.3465 | V | G. Samolyk | 0.0001 |
| EM Aur | 57677.8640 | 14647 | -1.1094 | V | K. Menzies | 0.0003 | WZ Cep | 57642.6077 | 70912.5 | -0.1658 | V | G. Samolyk | 0.0001 |
| EP Aur | 57642.8721 | 53017 | 0.0190 | V | G. Samolyk | 0.0001 | XX Cep | 57608.6315 | 5463 | 0.0141 | V | G. Samolyk | 0.0001 |
| EP Aur | 57719.7027 | 53147 | 0.0185 | V | G. Samolyk | 0.0001 | XX Cep | 57622.6564 | 5469 | 0.0150 | V | N. Simmons | 0.0001 |
| EP Aur | 57754.5707 | 53206 | 0.0171 | V | G. Samolyk | 0.0001 | DL Cep | 57601.6895 | 14508 | 0.0632 | V | G. Samolyk | 0.0002 |
| HP Aur | 57743.6184 | 10533.5 | 0.0681 | V | G. Samolyk | 0.0002 | DL Cep | 57650.6030 | 14538 | 0.0622 | V | G. Samolyk | 0.0002 |
| IM Aur | 57696.9191 | 13775 | -0.1298 | V | G. Samolyk | 0.0002 | DV Cep | 57633.6217 | 9355 | -0.0056 | V | G. Samolyk | 0.0001 |
| V459 Aur | 57719.7361 | 637.5 | -0.0005 | V | G. Samolyk | 0.0002 | EG Cep | 57616.6986 | 27583 | 0.0122 | V | S. Cook | 0.0004 |

Table continued on following pages

Table 1. Recent times of minima of stars in the AAVSO eclipsing binary program, cont.

| <i>Star</i> | <i>JD (min)</i> <i>Hel.</i> <i>2400000+</i> | <i>Cycle</i> | <i>O-C</i> <i>(day)</i> | <i>F</i> | <i>Observer</i> | <i>Error</i> <i>(day)</i> | <i>Star</i> | <i>JD (min)</i> <i>Hel.</i> <i>2400000+</i> | <i>Cycle</i> | <i>O-C</i> <i>(day)</i> | <i>F</i> | <i>Observer</i> | <i>Error</i> <i>(day)</i> |
|-------------|---------------------------------------------------|--------------|----------------------------|----------|-----------------|------------------------------|-------------|---------------------------------------------------|--------------|----------------------------|----------|-----------------|------------------------------|
| EK Cep | 57581.7515 | 4196 | 0.0098 | V | S. Cook | 0.0007 | TW Dra | 57586.6840 | 4792 | -0.0218 | V | S. Cook | 0.0009 |
| SS Cet | 57719.7862 | 5134 | 0.0644 | V | G. Samolyk | 0.0001 | UZ Dra | 57576.7549 | 4908 | -0.0003 | V | S. Cook | 0.0004 |
| TT Cet | 57684.7692 | 51731 | -0.0765 | V | G. Samolyk | 0.0001 | UZ Dra | 57607.7415 | 4917.5 | 0.0039 | V | G. Samolyk | 0.0001 |
| TT Cet | 57687.6844 | 51737 | -0.0770 | C | G. Frey | 0.0002 | AI Dra | 57582.7287 | 11921 | 0.0329 | V | S. Cook | 0.0008 |
| TW Cet | 57640.8540 | 48185 | -0.0328 | V | G. Samolyk | 0.0003 | BH Dra | 57610.6642 | 9680 | -0.0034 | V | G. Samolyk | 0.0002 |
| TW Cet | 57697.7305 | 48364.5 | -0.0312 | V | G. Samolyk | 0.0002 | S Equ | 57629.7350 | 4375 | 0.0676 | V | S. Cook | 0.0004 |
| TW Cet | 57768.5457 | 48588 | -0.0324 | V | G. Samolyk | 0.0002 | TZ Eri | 57701.7763 | 5866 | 0.3343 | V | G. Samolyk | 0.0001 |
| TX Cet | 57643.8625 | 19655 | 0.0131 | V | G. Samolyk | 0.0001 | TZ Eri | 57761.7170 | 5889 | 0.3354 | V | G. Samolyk | 0.0001 |
| TX Cet | 57675.7177 | 19698 | 0.0122 | C | G. Frey | 0.0001 | YY Eri | 57684.9425 | 50088.5 | 0.1588 | V | G. Samolyk | 0.0001 |
| VV Cet | 57706.7024 | 50495 | 0.1364 | C | G. Frey | 0.0002 | YY Eri | 57760.6547 | 50324 | 0.1591 | V | G. Samolyk | 0.0001 |
| RW Com | 57769.9632 | 74775 | 0.0072 | V | K. Menzies | 0.0001 | RW Gem | 57754.8235 | 13768 | 0.0031 | V | G. Samolyk | 0.0001 |
| RZ Com | 57748.9158 | 67684 | 0.0532 | V | K. Menzies | 0.0001 | SX Gem | 57728.8668 | 28311 | -0.0579 | V | K. Menzies | 0.0001 |
| SS Com | 57748.9577 | 79327 | 0.9046 | V | K. Menzies | 0.0003 | SX Gem | 57750.7374 | 28327 | -0.0574 | V | G. Samolyk | 0.0002 |
| SS Com | 57767.9471 | 79373 | 0.9056 | V | K. Menzies | 0.0001 | TX Gem | 57698.9625 | 13518 | -0.0388 | V | R. Sabo | 0.0001 |
| CC Com | 57728.9196 | 82449 | -0.0265 | V | K. Menzies | 0.0001 | WW Gem | 57701.9589 | 25624 | 0.0328 | V | G. Samolyk | 0.0001 |
| U CrB | 57580.7408 | 11828 | 0.1317 | V | S. Cook | 0.0005 | AF Gem | 57698.9572 | 24557 | -0.0673 | V | G. Samolyk | 0.0001 |
| RW CrB | 57606.6567 | 23203 | 0.0028 | V | G. Samolyk | 0.0001 | EG Gem | 57446.6574 | 23639 | 0.3089 | C | G. Frey | 0.0001 |
| SW Cyg | 57635.6256 | 3448 | -0.3581 | V | G. Samolyk | 0.0002 | KK Gem | 57437.6822 | 7574 | 0.0100 | V | K. Menzies | 0.0003 |
| WW Cyg | 57623.7880 | 5198 | 0.1387 | V | G. Samolyk | 0.0001 | V337 Gem | 57424.7116 | 1766.5 | 0.1082 | C | G. Frey | 0.0002 |
| ZZ Cyg | 57602.7903 | 20048 | -0.0691 | V | G. Samolyk | 0.0001 | V380 Gem | 57711.7790 | 18116 | 0.0220 | V | K. Menzies | 0.0001 |
| AE Cyg | 57623.7301 | 13452 | -0.0048 | V | K. Menzies | 0.0001 | V383 Gem | 57769.7523 | 5842 | -0.0047 | V | K. Menzies | 0.0001 |
| AE Cyg | 57693.5122 | 13524 | -0.0042 | V | K. Menzies | 0.0001 | V388 Gem | 57399.7296 | 9656 | 0.0064 | C | G. Frey | 0.0001 |
| CG Cyg | 57583.7539 | 28771 | 0.0741 | V | S. Cook | 0.0002 | RX Her | 57634.6609 | 13755 | -0.0005 | V | S. Cook | 0.0007 |
| CG Cyg | 57607.7380 | 28809 | 0.0748 | V | K. Menzies | 0.0001 | TT Her | 57539.7260 | 19235 | 0.0465 | V | G. Persha | 0.0002 |
| DK Cyg | 57649.6155 | 41747 | 0.1133 | V | G. Samolyk | 0.0001 | TT Her | 57539.7278 | 19235 | 0.0483 | B | G. Persha | 0.0004 |
| DK Cyg | 57715.5138 | 41887 | 0.1149 | V | G. Silvis | 0.0001 | TT Her | 57612.6906 | 19315 | 0.0451 | V | S. Cook | 0.0005 |
| DK Cyg | 57715.5140 | 41887 | 0.1151 | I | G. Silvis | 0.0002 | TT Her | 57615.4284 | 19318 | 0.0467 | V | L. Corp | 0.0003 |
| DK Cyg | 57715.5141 | 41887 | 0.1152 | B | G. Silvis | 0.0001 | UX Her | 57609.7114 | 11581 | 0.1253 | V | S. Cook | 0.0003 |
| DO Cyg | 57575.7546 | 7654 | -0.0321 | V | B. Harris | 0.0001 | BC Her | 57646.7517 | 1667 | 0.0126 | C | G. Frey | 0.0002 |
| GO Cyg | 57634.6225 | 33025 | 0.0668 | B | G. Persha | 0.0001 | CC Her | 57575.7113 | 10327 | 0.2914 | V | S. Cook | 0.0008 |
| GO Cyg | 57634.6225 | 33025 | 0.0668 | V | G. Persha | 0.0001 | V728 Her | 57607.6309 | 10837 | 0.0131 | V | K. Menzies | 0.0002 |
| KV Cyg | 57642.6235 | 9924 | 0.0620 | V | G. Samolyk | 0.0002 | V899 Her | 57544.7532 | 11977 | -0.0004 | C | G. Frey | 0.0003 |
| MY Cyg | 57710.5141 | 5958 | 0.0012 | V | K. Menzies | 0.0002 | V1033 Her | 57564.6960 | 16992 | -0.0049 | C | G. Frey | 0.0001 |
| V346 Cyg | 57649.6547 | 8006 | 0.1890 | V | G. Samolyk | 0.0002 | V1034 Her | 57562.7508 | 6209 | -0.0034 | C | G. Frey | 0.0001 |
| V348 Cyg | 57607.8391 | 7811.5 | 0.0743 | V | K. Menzies | 0.0001 | V1092 Her | 57547.7223 | 13337 | -0.0127 | C | G. Frey | 0.0002 |
| V348 Cyg | 57668.6668 | 8025.5 | 0.0762 | V | K. Menzies | 0.0001 | V1097 Her | 57551.7259 | 14101 | 0.0013 | C | G. Frey | 0.0001 |
| V382 Cyg | 57636.6227 | 410 | -0.0118 | V | G. Persha | 0.0002 | WY Hya | 57725.8128 | 23959 | 0.0376 | V | B. Harris | 0.0001 |
| V382 Cyg | 57636.6228 | 410 | -0.0118 | B | G. Persha | 0.0003 | DF Hya | 57754.9414 | 45272 | 0.0053 | V | G. Samolyk | 0.0001 |
| V387 Cyg | 57624.5966 | 46268 | 0.0214 | V | K. Menzies | 0.0002 | EU Hya | 57450.7670 | 29972 | -0.0332 | C | G. Frey | 0.0002 |
| V387 Cyg | 57699.5458 | 46385 | 0.0208 | V | G. Samolyk | 0.0002 | V390 Hya | 57434.6403 | 3060 | -0.0777 | C | G. Frey | 0.0001 |
| V388 Cyg | 57611.7523 | 18228 | -0.1151 | V | G. Samolyk | 0.0001 | V470 Hya | 57448.7317 | 12006 | 0.0074 | C | G. Frey | 0.0003 |
| V388 Cyg | 57673.5988 | 18300 | -0.1193 | V | G. Samolyk | 0.0001 | V474 Hya | 57435.6820 | 9939 | -0.0114 | C | G. Frey | 0.0001 |
| V401 Cyg | 57675.5724 | 23751 | 0.0832 | V | G. Samolyk | 0.0001 | SW Lac | 57610.6711 | 38461.5 | -0.0835 | V | G. Samolyk | 0.0001 |
| V456 Cyg | 57637.6282 | 14280 | 0.0506 | V | G. Samolyk | 0.0001 | SW Lac | 57610.8321 | 38462 | -0.0829 | V | G. Samolyk | 0.0001 |
| V466 Cyg | 57609.7370 | 20721.5 | 0.0071 | V | K. Menzies | 0.0001 | SW Lac | 57615.4817 | 38476.5 | -0.0837 | V | L. Corp | 0.0002 |
| V477 Cyg | 57604.6265 | 5716 | -0.0357 | V | G. Samolyk | 0.0002 | SW Lac | 57637.6108 | 38545.5 | -0.0844 | V | G. Samolyk | 0.0002 |
| V704 Cyg | 57623.5975 | 34491 | 0.0368 | V | G. Samolyk | 0.0002 | SW Lac | 57640.6621 | 38555 | -0.0799 | V | S. Cook | 0.0005 |
| V1034 Cyg | 57621.7429 | 15030 | 0.0110 | V | R. Sabo | 0.0001 | SW Lac | 57671.6139 | 38651.5 | -0.0777 | V | G. Persha | 0.0001 |
| V1073 Cyg | 57638.3537 | 24134 | -0.1659 | V | G. Persha | 0.0005 | SW Lac | 57732.5482 | 38841.5 | -0.0803 | V | G. Silvis | 0.0001 |
| V2247 Cyg | 57680.5592 | 640 | -0.0116 | V | K. Menzies | 0.0001 | VX Lac | 57606.6364 | 11492 | 0.0831 | V | G. Samolyk | 0.0001 |
| V2477 Cyg | 57621.6623 | 19691 | 0.0035 | V | K. Menzies | 0.0001 | VX Lac | 57622.7549 | 11507 | 0.0841 | V | S. Cook | 0.0004 |
| V2643 Cyg | 57666.5592 | 10354 | -0.0078 | V | K. Menzies | 0.0002 | VX Lac | 57623.8290 | 11508 | 0.0837 | V | K. Menzies | 0.0001 |
| W Del | 57650.7615 | 2980 | 0.0340 | V | G. Samolyk | 0.0002 | AR Lac | 57643.6348 | 8093 | -0.0507 | V | G. Samolyk | 0.0001 |
| TT Del | 57606.8296 | 4310 | -0.1123 | V | G. Samolyk | 0.0002 | CM Lac | 57640.6180 | 19078 | -0.0043 | V | G. Samolyk | 0.0001 |
| TY Del | 57649.6824 | 12333 | 0.0695 | V | S. Cook | 0.0002 | CO Lac | 57601.7090 | 19496.5 | -0.0123 | V | G. Samolyk | 0.0001 |
| YY Del | 57631.7268 | 18500 | 0.0091 | C | G. Frey | 0.0001 | CO Lac | 57604.7940 | 19498.5 | -0.0117 | V | K. Menzies | 0.0001 |
| YY Del | 57643.6244 | 18515 | 0.0103 | V | G. Samolyk | 0.0001 | CO Lac | 57608.6684 | 19501 | 0.0071 | V | G. Samolyk | 0.0001 |
| YY Del | 57697.5546 | 18583 | 0.0102 | V | G. Samolyk | 0.0001 | DG Lac | 57633.6249 | 5948 | -0.2263 | V | G. Samolyk | 0.0001 |
| FZ Del | 57634.7674 | 33593 | -0.0225 | V | S. Cook | 0.0006 | DG Lac | 57633.6249 | 5948 | -0.2263 | V | N. Simmons | 0.0001 |
| FZ Del | 57642.5971 | 33603 | -0.0249 | V | G. Samolyk | 0.0001 | DG Lac | 57666.7234 | 5963 | -0.2258 | V | K. Menzies | 0.0001 |
| FZ Del | 57671.5769 | 33640 | -0.0240 | V | N. Simmons | 0.0001 | UV Leo | 57458.6546 | 31692 | 0.0414 | C | G. Frey | 0.0004 |
| LS Del | 57613.4178 | 14053 | -0.0038 | V | L. Corp | 0.0002 | VZ Leo | 57463.6902 | 24130 | -0.0576 | C | G. Frey | 0.0002 |
| LS Del | 57636.7060 | 14117 | -0.0016 | C | G. Frey | 0.0004 | WZ Leo | 57444.6775 | 3511 | 0.0004 | C | G. Frey | 0.0001 |
| MZ Del | 57627.4107 | 12450 | -0.0242 | V | L. Corp | 0.0002 | XX Leo | 57502.6881 | 9074 | -0.0116 | C | G. Frey | 0.0001 |
| MZ Del | 57634.3831 | 12459.5 | -0.0164 | V | L. Corp | 0.0006 | XZ Leo | 57753.8513 | 26097 | 0.0704 | V | K. Menzies | 0.0001 |

Table continued on following pages

Table 1. Recent times of minima of stars in the AAVSO eclipsing binary program, cont.

| <i>Star</i> | <i>JD (min)</i> <i>Hel.</i> <i>2400000+</i> | <i>Cycle</i> | <i>O-C</i> <i>(day)</i> | <i>F</i> | <i>Observer</i> | <i>Error</i> <i>(day)</i> | <i>Star</i> | <i>JD (min)</i> <i>Hel.</i> <i>2400000+</i> | <i>Cycle</i> | <i>O-C</i> <i>(day)</i> | <i>F</i> | <i>Observer</i> | <i>Error</i> <i>(day)</i> |
|-------------|---------------------------------------------------|--------------|----------------------------|----------|-----------------|------------------------------|-------------|---------------------------------------------------|--------------|----------------------------|----------|-----------------|------------------------------|
| CE Leo | 57473.7462 | 32278 | -0.0080 | C | G. Frey | 0.0001 | V351 Peg | 57684.7322 | 15481 | 0.0316 | C | G. Frey | 0.0002 |
| GV Leo | 57457.7023 | 17633 | -0.0314 | C | G. Frey | 0.0001 | V534 Peg | 57700.5856 | 4682 | 0.0141 | V | K. Menzies | 0.0003 |
| HI Leo | 57492.7329 | 15251 | 0.0091 | C | G. Frey | 0.0001 | V613 Peg | 57748.5327 | 2434 | 0.0012 | V | K. Menzies | 0.0002 |
| Z Lep | 57657.8969 | 30425 | -0.1930 | V | G. Samolyk | 0.0001 | Z Per | 57697.7321 | 3939 | -0.3046 | V | G. Samolyk | 0.0001 |
| RR Lep | 57699.8977 | 29847 | -0.0438 | V | G. Samolyk | 0.0002 | RT Per | 57675.8076 | 28608 | 0.1049 | V | G. Samolyk | 0.0001 |
| δ Lib | 57585.7528 | 6284 | -0.0410 | V | S. Cook | 0.0006 | RT Per | 57693.6451 | 28629 | 0.1050 | V | K. Menzies | 0.0001 |
| RY Lyn | 57753.8968 | 10360 | -0.0219 | V | K. Menzies | 0.0001 | RV Per | 57684.8722 | 7924 | 0.0038 | V | G. Samolyk | 0.0001 |
| UZ Lyr | 57609.6679 | 7360 | -0.0407 | V | G. Samolyk | 0.0001 | ST Per | 57701.7103 | 5764 | 0.3146 | V | G. Samolyk | 0.0002 |
| EW Lyr | 57556.7701 | 15937 | 0.2746 | V | G. Samolyk | 0.0001 | XZ Per | 57696.6878 | 12321 | -0.0736 | V | G. Samolyk | 0.0001 |
| FL Lyr | 57637.6182 | 8914 | -0.0026 | V | G. Samolyk | 0.0001 | BB Per | 57681.8405 | 3858.5 | 0.1099 | V | K. Menzies | 0.0002 |
| FL Lyr | 57650.6883 | 8920 | -0.0014 | V | S. Cook | 0.0008 | IQ Per | 57612.9622 | 7641 | -0.0030 | V | S. Cook | 0.0009 |
| β Lyr | 57576.89 | 663.5 | 2.09 | V | G. Samolyk | 0.05 | IT Per | 57667.8768 | 18442 | -0.0401 | V | K. Menzies | 0.0003 |
| β Lyr | 57576.94 | 663.5 | 2.15 | B | G. Samolyk | 0.03 | IU Per | 57675.7878 | 14077 | 0.0095 | V | G. Samolyk | 0.0002 |
| β Lyr | 57576.99 | 663.5 | 2.20 | R | G. Samolyk | 0.03 | KW Per | 57707.7255 | 16433 | 0.0170 | V | G. Samolyk | 0.0001 |
| β Lyr | 57583.34 | 664 | 2.08 | V | G. Samolyk | 0.03 | V432 Per | 57642.8887 | 67705.5 | 0.0435 | V | G. Samolyk | 0.0003 |
| β Lyr | 57583.35 | 664 | 2.08 | R | G. Samolyk | 0.01 | V432 Per | 57693.8678 | 67864 | 0.0621 | V | K. Menzies | 0.0001 |
| β Lyr | 57583.41 | 664 | 2.14 | B | G. Samolyk | 0.01 | V432 Per | 57737.5644 | 68000 | 0.0324 | V | G. Samolyk | 0.0002 |
| U Oph | 57608.7043 | 7865 | -0.0097 | V | S. Cook | 0.0006 | V737 Per | 57769.6378 | 17005 | -0.0649 | V | K. Menzies | 0.0001 |
| V423 Oph | 57635.6839 | 4266 | -0.0334 | C | G. Frey | 0.0002 | V740 Per | 57724.7910 | 16960 | 0.0037 | V | K. Menzies | 0.0001 |
| V501 Oph | 57629.7192 | 27603 | -0.0107 | C | G. Frey | 0.0001 | V881 Per | 57755.6725 | 2007 | -0.0096 | V | K. Menzies | 0.0001 |
| V508 Oph | 57523.6519 | 36083 | -0.0255 | V | B. Harris | 0.0001 | V996 Per | 57755.6421 | 4990 | -0.0305 | V | K. Menzies | 0.0003 |
| V508 Oph | 57625.3650 | 36378 | -0.0261 | R | L. Corp | 0.0001 | β Per | 57675.7178 | 4197 | 0.1282 | V | G. Samolyk | 0.0001 |
| V508 Oph | 57642.6042 | 36428 | -0.0265 | V | G. Samolyk | 0.0001 | β Per | 57698.6591 | 4205 | 0.1310 | V | G. Samolyk | 0.0006 |
| V839 Oph | 57614.6597 | 41971 | 0.3042 | V | G. Samolyk | 0.0001 | Y Psc | 57719.5663 | 3209 | -0.0210 | V | G. Samolyk | 0.0001 |
| CQ Ori | 57474.6546 | 6941 | -0.0060 | C | G. Frey | 0.0003 | RV Psc | 57671.8732 | 60092 | -0.0610 | V | G. Samolyk | 0.0002 |
| ER Ori | 57664.8881 | 37880 | 0.1303 | V | G. Samolyk | 0.0002 | UV Psc | 57682.6812 | 16580 | -0.0205 | C | G. Frey | 0.0001 |
| ER Ori | 57696.8557 | 37955.5 | 0.1313 | V | R. Sabo | 0.0001 | VZ Psc | 57634.5067 | 52830 | 0.0021 | V | L. Corp | 0.0002 |
| ER Ori | 57755.7090 | 38094.5 | 0.1322 | V | G. Silvis | 0.0001 | VZ Psc | 57665.7279 | 52949.5 | 0.0029 | C | G. Frey | 0.0001 |
| ET Ori | 57701.8975 | 32618 | -0.0029 | V | G. Samolyk | 0.0001 | VZ Psc | 57692.3753 | 53051.5 | 0.0018 | V | L. Corp | 0.0002 |
| FR Ori | 57768.7205 | 33863 | 0.0409 | V | G. Samolyk | 0.0001 | VZ Psc | 57723.3341 | 53170 | 0.0014 | V | L. Corp | 0.0002 |
| FT Ori | 57768.6666 | 5212 | 0.0205 | V | G. Samolyk | 0.0001 | AQ Psc | 57741.2984 | 11019.5 | 0.0016 | V | L. Corp | 0.0001 |
| FZ Ori | 57684.9696 | 34152.5 | -0.0311 | V | G. Samolyk | 0.0002 | CP Psc | 57673.7036 | 7563 | 0.0019 | C | G. Frey | 0.0001 |
| FZ Ori | 57754.7637 | 34327 | -0.0346 | V | G. Samolyk | 0.0003 | DS Psc | 57726.6456 | 15260 | -0.0035 | C | G. Frey | 0.0001 |
| FZ Ori | 57769.5628 | 34364 | -0.0350 | V | G. Silvis | 0.0015 | DV Psc | 57727.6480 | 16943 | 0.0057 | C | G. Frey | 0.0001 |
| GU Ori | 57686.8386 | 31055 | -0.0629 | V | G. Samolyk | 0.0002 | DZ Psc | 57678.7019 | 14144 | 0.0126 | C | G. Frey | 0.0001 |
| GU Ori | 57748.7338 | 31186.5 | -0.0622 | V | K. Menzies | 0.0001 | ET Psc | 57707.6454 | 11564 | -0.0067 | C | G. Frey | 0.0001 |
| GU Ori | 57750.6165 | 31190.5 | -0.0622 | V | G. Silvis | 0.0001 | ET Psc | 57753.3318 | 11668 | -0.0072 | V | L. Corp | 0.0002 |
| V343 Ori | 57422.7512 | 29443 | 0.2754 | C | G. Frey | 0.0001 | ET Psc | 57757.2886 | 11677 | -0.0041 | V | L. Corp | 0.0004 |
| V1363 Ori | 57425.7344 | 11404 | 0.0273 | C | G. Frey | 0.0002 | GR Psc | 57703.6649 | 12615 | -0.0005 | C | G. Frey | 0.0001 |
| V1853 Ori | 57416.6789 | 8747 | 0.0001 | C | G. Frey | 0.0001 | HO Psc | 57695.6654 | 1155 | 0.0010 | C | G. Frey | 0.0001 |
| V2790 Ori | 57755.7640 | 21658 | -0.0022 | V | K. Menzies | 0.0001 | AO Ser | 57607.6326 | 26695 | -0.0116 | V | G. Samolyk | 0.0001 |
| U Peg | 57606.8290 | 56287 | -0.1621 | V | N. Simmons | 0.0001 | CC Ser | 57614.6384 | 39015 | 1.0865 | V | G. Samolyk | 0.0002 |
| U Peg | 57606.8294 | 56287 | -0.1617 | V | G. Samolyk | 0.0001 | CC Ser | 57620.5743 | 39026.5 | 1.0883 | V | K. Menzies | 0.0004 |
| U Peg | 57638.8730 | 56372.5 | -0.1619 | V | B. Harris | 0.0001 | RW Tau | 57686.8355 | 4335 | -0.2708 | V | G. Samolyk | 0.0001 |
| U Peg | 57683.4724 | 56491.5 | -0.1615 | V | L. Corp | 0.0001 | RW Tau | 57761.5917 | 4362 | -0.2732 | V | G. Samolyk | 0.0001 |
| TY Peg | 57634.8264 | 5557 | -0.4241 | V | G. Samolyk | 0.0002 | RZ Tau | 57664.7827 | 48086 | 0.0821 | V | G. Samolyk | 0.0002 |
| UX Peg | 57607.7926 | 11124 | -0.0059 | V | G. Samolyk | 0.0001 | RZ Tau | 57666.8619 | 48091 | 0.0829 | V | K. Menzies | 0.0001 |
| AQ Peg | 57435.9899 | 2922 | 0.5599 | V | G. Samolyk | 0.0001 | RZ Tau | 57698.8694 | 48168 | 0.0835 | V | R. Sabo | 0.0001 |
| AQ Peg | 57635.7494 | 2958 | 0.5733 | V | G. Samolyk | 0.0002 | RZ Tau | 57706.7673 | 48187 | 0.0835 | V | K. Menzies | 0.0001 |
| AT Peg | 57677.7280 | 10870 | 0.0213 | C | G. Frey | 0.0001 | RZ Tau | 57726.7195 | 48235 | 0.0833 | V | K. Menzies | 0.0001 |
| BB Peg | 57622.8551 | 38336 | -0.0228 | V | R. Sabo | 0.0001 | RZ Tau | 57742.7242 | 48273.5 | 0.0846 | C | G. Frey | 0.0001 |
| BB Peg | 57657.7413 | 38432.5 | -0.0216 | V | G. Samolyk | 0.0001 | RZ Tau | 57760.3901 | 48316 | 0.0843 | V | L. Corp | 0.0003 |
| BB Peg | 57670.5730 | 38468 | -0.0232 | V | N. Simmons | 0.0001 | TY Tau | 57696.7004 | 33883 | 0.2690 | V | G. Samolyk | 0.0001 |
| BG Peg | 57607.8184 | 6185 | -2.2728 | V | R. Sabo | 0.0003 | WY Tau | 57675.8962 | 29265 | 0.0636 | V | G. Samolyk | 0.0001 |
| BN Peg | 57667.7330 | 33326 | -0.0021 | C | G. Frey | 0.0001 | WY Tau | 57698.7568 | 29298 | 0.0632 | V | G. Samolyk | 0.0001 |
| BO Peg | 57641.6874 | 20725 | -0.0494 | C | G. Frey | 0.0002 | AM Tau | 57698.8116 | 6089 | -0.0708 | V | G. Samolyk | 0.0001 |
| BX Peg | 57622.7867 | 47883.5 | -0.1198 | V | G. Samolyk | 0.0001 | CT Tau | 57750.6561 | 18515 | -0.0659 | V | G. Samolyk | 0.0002 |
| BX Peg | 57697.5162 | 48150 | -0.1224 | V | K. Menzies | 0.0001 | EQ Tau | 57634.8643 | 51037.5 | -0.0337 | V | G. Samolyk | 0.0001 |
| BX Peg | 57698.6379 | 48154 | -0.1224 | V | G. Samolyk | 0.0001 | EQ Tau | 57670.8753 | 51143 | -0.0350 | V | R. Sabo | 0.0001 |
| DF Peg | 57655.7010 | 1643 | 0.1169 | C | G. Frey | 0.0005 | EQ Tau | 57676.8497 | 51160.5 | -0.0342 | V | K. Menzies | 0.0001 |
| DI Peg | 57649.7293 | 17495 | 0.0064 | V | G. Samolyk | 0.0001 | EQ Tau | 57702.7923 | 51236.5 | -0.0341 | V | G. Samolyk | 0.0001 |
| DI Peg | 57684.6082 | 17544 | 0.0063 | V | G. Samolyk | 0.0001 | EQ Tau | 57728.7346 | 51312.5 | -0.0343 | V | K. Menzies | 0.0001 |
| DI Peg | 57736.5709 | 17617 | 0.0063 | V | G. Samolyk | 0.0001 | EQ Tau | 57731.6340 | 51321 | -0.0363 | C | G. Frey | 0.0002 |
| DK Peg | 57700.6724 | 7458 | 0.1547 | C | G. Frey | 0.0001 | EQ Tau | 57731.6362 | 51321 | -0.0342 | V | G. Silvis | 0.0001 |
| KW Peg | 57698.6328 | 11685.5 | 0.2101 | V | G. Samolyk | 0.0002 | GQ Tau | 57443.6963 | 13677 | 0.1989 | C | G. Frey | 0.0001 |

Table continued on next page

Table 1. Recent times of minima of stars in the AAVSO eclipsing binary program, cont.

| <i>Star</i> | <i>JD (min) Hel. 2400000+</i> | <i>Cycle</i> | <i>O-C (day)</i> | <i>F</i> | <i>Observer</i> | <i>Error (day)</i> | <i>Star</i> | <i>JD (min) Hel. 2400000+</i> | <i>Cycle</i> | <i>O-C (day)</i> | <i>F</i> | <i>Observer</i> | <i>Error (day)</i> |
|-------------|---------------------------------------|--------------|----------------------|----------|-----------------|------------------------|-------------|---------------------------------------|--------------|----------------------|----------|-----------------|------------------------|
| HU Tau | 57760.7090 | 8017 | 0.0324 | V | G. Samolyk | 0.0001 | AZ Vir | 57579.7118 | 38903.5 | -0.0248 | V | S. Cook | 0.0005 |
| V781 Tau | 57724.7641 | 40155 | -0.0509 | V | G. Silvis | 0.0001 | BF Vir | 57535.7248 | 17898 | 0.1189 | C | G. Frey | 0.0001 |
| V1121 Tau | 57750.6304 | 11223 | -0.0119 | C | G. Frey | 0.0002 | BH Vir | 57783.9818 | 17816 | -0.0118 | V | G. Samolyk | 0.0001 |
| V1128 Tau | 57692.5295 | 17003.5 | 0.0001 | V | L. Corp | 0.0001 | GR Vir | 57543.7320 | 35816.5 | 0.0075 | C | G. Frey | 0.0002 |
| V1128 Tau | 57725.5092 | 17111.5 | -0.0004 | V | L. Corp | 0.0001 | HT Vir | 57542.7585 | 12369 | 0.0037 | C | G. Frey | 0.0002 |
| V1128 Tau | 57773.2988 | 17268 | -0.0013 | R | L. Corp | 0.0001 | IR Vir | 57519.6899 | 20829.5 | -0.0048 | C | G. Frey | 0.0001 |
| V1223 Tau | 57752.6897 | 12279 | 0.0016 | C | G. Frey | 0.0002 | MS Vir | 57538.7102 | 16127 | 0.0033 | C | G. Frey | 0.0001 |
| V1332 Tau | 57749.6602 | 14947 | 0.0122 | C | G. Frey | 0.0003 | NN Vir | 57517.7231 | 18759 | 0.0074 | C | G. Frey | 0.0002 |
| V Tri | 57633.8085 | 56663 | -0.0071 | V | N. Simmons | 0.0001 | V391 Vir | 57520.7296 | 17671 | 0.0036 | C | G. Frey | 0.0002 |
| V Tri | 57640.8298 | 56675 | -0.0082 | V | G. Samolyk | 0.0003 | AW Vul | 57609.6305 | 14042 | -0.0252 | V | K. Menzies | 0.0001 |
| X Tri | 57614.8615 | 15555 | -0.0895 | V | G. Samolyk | 0.0001 | AW Vul | 57697.5328 | 14151 | -0.0261 | V | G. Samolyk | 0.0001 |
| RS Tri | 57680.6109 | 10341 | -0.0560 | V | G. Samolyk | 0.0001 | AW Vul | 57697.5329 | 14151 | -0.0260 | V | K. Menzies | 0.0001 |
| RS Tri | 57745.5146 | 10375 | -0.0557 | V | K. Menzies | 0.0002 | BE Vul | 57680.6217 | 11320 | 0.1026 | V | G. Samolyk | 0.0001 |
| RV Tri | 57642.7453 | 15404 | -0.0412 | V | G. Samolyk | 0.0001 | BO Vul | 57697.5274 | 11156 | -0.0182 | V | G. Samolyk | 0.0001 |
| W UMa | 57760.7401 | 35952.5 | -0.1003 | V | G. Samolyk | 0.0001 | BS Vul | 57640.6474 | 30189 | -0.0333 | V | G. Samolyk | 0.0001 |
| W UMa | 57760.9062 | 35953 | -0.1010 | V | G. Samolyk | 0.0001 | BS Vul | 57702.5248 | 30319 | -0.0322 | V | G. Samolyk | 0.0001 |
| TX UMa | 57720.0013 | 4153 | 0.2256 | V | G. Samolyk | 0.0004 | BT Vul | 57607.6557 | 19458 | 0.0061 | V | G. Samolyk | 0.0002 |
| TY UMa | 57712.9126 | 51278 | 0.3858 | V | G. Samolyk | 0.0002 | BT Vul | 57623.6327 | 19472 | 0.0063 | V | G. Samolyk | 0.0001 |
| ZZ UMa | 57697.8829 | 9458 | -0.0022 | V | G. Samolyk | 0.0001 | BU Vul | 57606.6531 | 42308 | 0.0143 | V | G. Samolyk | 0.0001 |
| BM UMa | 57747.8946 | 75213 | 0.0141 | V | B. Harris | 0.0001 | CD Vul | 57623.7158 | 16563.5 | 0.0005 | V | G. Samolyk | 0.0002 |
| AG Vir | 57491.7436 | 18765 | -0.0123 | C | G. Frey | 0.0001 | CD Vul | 57646.6209 | 16597 | 0.0001 | V | N. Simmons | 0.0002 |
| AW Vir | 57505.6676 | 35263 | 0.0282 | C | G. Frey | 0.0001 | V495 Vul | 57667.5354 | 732.5 | 0.0722 | V | K. Menzies | 0.0001 |
| AZ Vir | 57518.6936 | 38729 | -0.0264 | C | G. Frey | 0.0001 | | | | | | | |