

Variable Star Bulletin

Visual, CCD and DSLR minima of eclipsing binaries during 2022

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Following table is summary of minima of eclipsing binary reported from VSOLJ members.

| star | min. | | O-C | E | color | n | obs. | inst. |
|-----------|---------------|----|---------|---------|-------|-----|------|-----------------|
| AB And | 2459852.591 | *1 | -0.021 | 22153.5 | vis | 19 | Set | |
| EP And | 2459931.9835 | | +0.0830 | 42794 | B | 71 | Ioh | 20SC+ATIK383L |
| EP And | 2459931.98341 | | +0.0836 | 42794 | V | 71 | Ioh | 20SC+ATIK383L |
| QR And | 2459149.0206 | | -0.0055 | 35354 | V | 219 | Kis | 12.7SC+QSI683ws |
| V483 And | 2459894.028 | | +0.106 | 28263.5 | V | 158 | Ioh | 20SC+ATIK383L |
| V483 And | 2459894.167 | | +0.097 | 28264 | B | 158 | Ioh | 20SC+ATIK383L |
| V483 And | 2459894.167 | | +0.097 | 28264 | V | 158 | Ioh | 20SC+ATIK383L |
| V489 And | 2459591.9530 | *1 | -0.0065 | 15721.5 | V | 189 | Suz | 25SC+C3-26000 |
| V566 And | 2459933.9704 | *1 | +0.0644 | 21696.5 | B | 55 | Ioh | 30SC+AS1294MM |
| V566 And | 2459933.9709 | *1 | +0.0649 | 21696.5 | V | 55 | Ioh | 30SC+AS1294MM |
| V566 And | 2459933.9713 | *1 | +0.0653 | 21696.5 | Ic | 33 | Ioh | 30SC+AS1294MM |
| V417 Aql | 2459783.0653 | *1 | +0.1775 | 10767.5 | Ic | 192 | Nga | 15L+ST-402 |
| V417 Aql | 2459823.0622 | *1 | +0.1806 | 10875.5 | V | 84 | Ioh | 20SC+ATIK383L |
| V417 Aql | 2459823.063 | *1 | +0.181 | 10875.5 | B | 84 | Ioh | 20SC+ATIK383L |
| V1331 Aql | 2459762.0705 | | +0.0021 | 2938 | Ic | 207 | Nga | 15L+ST-402 |
| V1426 Aql | 2459724.202 | *1 | -0.019 | 3979.5 | V | 84 | Nga | 15L+ST-402 |
| V1542 Aql | 2459811.121 | | +0.017 | 8765 | B | 99 | Ioh | 20SC+ATIK383L |
| V1542 Aql | 2459811.127 | | +0.023 | 8765 | V | 99 | Ioh | 20SC+ATIK383L |
| V1695 Aql | 2459784.069 | *1 | -0.154 | 8919.5 | Ic | 134 | Nga | 15L+ST-402 |
| V1695 Aql | 2459785.046 | | +0.204 | 8921 | B | 28 | Nga | 15L+ATIK-420 |
| V1799 Aql | 2459760.2239 | | +0.0128 | 21970 | V | 263 | Ioh | 20SC+ATIK383L |
| ST Aqr | 2459853.9792 | *1 | -0.0300 | 9415.5 | Ic | 112 | Nga | 15L+ST-402 |
| UU Aqr | 2459811.0796 | | -0.0053 | 44694 | C | 383 | Kis | 28SC+QSI632ws |
| CX Aqr | 2459760.2381 | *1 | -0.0228 | 13057.5 | Ic | 176 | Nga | 15L+ST-402 |
| CX Aqr | 2459784.1446 | *1 | -0.0238 | 13100.5 | Ic | 130 | Nga | 15L+ST-402 |
| EK Aqr | 2459853.029 | | +0.069 | 10692 | B | 57 | Nga | 15L+ATIK-428EX |
| EK Aqr | 2459853.035 | | +0.075 | 10692 | V | 44 | Nga | 15L+ATIK-428EX |
| HS Aqr | 2459790.046 | | -0.013 | 10264 | V | 32 | Nga | 15L+ST-402 |
| HS Aqr | 2459790.048 | | -0.011 | 10264 | B | 34 | Nga | 15L+ST-402 |
| HS Aqr | 2459790.050 | | -0.009 | 10264 | Ic | 32 | Nga | 15L+ST-402 |
| HV Aqr | 2459761.109 | *1 | -0.041 | 19390.5 | Ic | 184 | Nga | 15L+ST-402 |

| star | min. | | O-C | E | color | n | obs. | inst. |
|-----------|--------------|----|---------|---------|-------|-----|------|----------------------------|
| HV Aqr | 2459848.9215 | | -0.0389 | 19625 | Ic | 78 | Nga | 15L+ST-402 |
| MU Aqr | 2459733.2261 | *1 | -0.1150 | 26950.5 | Ic | 146 | Nga | 15L+ST-402 |
| MU Aqr | 2459757.1812 | *1 | -0.1153 | 27038.5 | Ic | 213 | Nga | 15L+ST-402 |
| OO Aqr | 2459724.265 | *1 | -0.188 | 10522.5 | Ic | 51 | Nga | 15L+ATIK-490EX |
| OO Aqr | 2459724.266 | *1 | -0.187 | 10522.5 | B | 51 | Nga | 15L+ATIK-490EX |
| OO Aqr | 2459724.266 | *1 | -0.187 | 10522.5 | V | 54 | Nga | 15L+ATIK-490EX |
| OO Aqr | 2459729.2549 | | -0.1847 | 10531 | Ic | 107 | Nga | 15L+ST-402 |
| BM Ari | 2459923.9267 | | +0.0007 | 10554 | B | 141 | Ioh | 20SC+ATIK383L |
| BM Ari | 2459923.9273 | | +0.0013 | 10554 | V | 141 | Ioh | 20SC+ATIK383L |
| BN Ari | 2459921.1146 | *1 | -0.1073 | 28043.5 | V | 118 | Ioh | 20SC+ATIK383L |
| BN Ari | 2459921.1148 | *1 | -0.1071 | 28043.5 | B | 118 | Ioh | 20SC+ATIK383L |
| T Aur | 2459611.0436 | *B | -0.0412 | 112844 | C | 526 | Kis | 28SC+QSI632ws |
| TT Aur | 2459617.0127 | | -0.0040 | 8267 | V | 297 | Kis | 28SC+QSI632ws |
| ZZ Aur | 2459571.1104 | | -0.0820 | 11761 | V | 493 | Kub | 16L+BJ41L |
| ZZ Aur | 2459582.0138 | | -0.0005 | 11779 | V | 303 | Kub | 16L+BJ41L |
| AP Aur | 2459936.2524 | | +0.2337 | 16641 | V | 418 | Kub | 16L+BJ41L |
| AP Aur | 2459937.1036 | *1 | +0.2308 | 16642.5 | V | 309 | Kub | 16L+BJ41L |
| GI Aur | 2459615.0712 | | +0.0041 | 4307 | V | 344 | Ioh | 30SC+AS1294MM |
| V620 Aur | 2459580.9856 | *1 | -0.0019 | 4105.5 | V | 479 | Kub | 16L+BJ41L |
| V837 Aur | 2459891.3003 | *1 | -0.0006 | 5637.5 | B | 126 | Ioh | 30SC+AS1294MM |
| V837 Aur | 2459891.3007 | *1 | -0.0002 | 5637.5 | Ic | 118 | Ioh | 30SC+AS1294MM |
| V837 Aur | 2459891.3008 | *1 | -0.0001 | 5637.5 | V | 126 | Ioh | 30SC+AS1294MM |
| V837 Aur | 2459921.301 | *1 | +0.001 | 5703.5 | B | 76 | Ioh | 30SC+AS1294MM |
| V837 Aur | 2459921.301 | *1 | +0.001 | 5703.5 | Ic | 76 | Ioh | 30SC+AS1294MM |
| V837 Aur | 2459921.303 | *1 | +0.003 | 5703.5 | V | 76 | Ioh | 30SC+AS1294MM |
| TU Boo | 2459591.2717 | | +0.0186 | 21867 | V | 192 | Kis | 25SC+QSI632ws |
| GM Boo | 2459743.1290 | | +0.0652 | 20057 | V | 215 | Ioh | 20SC+ATIK383L |
| GN Boo | 2459644.1525 | | +0.0580 | 15347 | V | 443 | Kub | 16L+BJ41L |
| GN Boo | 2459645.2084 | *1 | +0.0583 | 15350.5 | V | 398 | Kub | 16L+BJ41L |
| QX Boo | 2459718.063 | | +0.038 | 23087 | V | 115 | Ioh | 20SC+DSI-II |
| WW Cam | 2459651.0625 | *1 | -0.0143 | 3387.5 | V | 438 | Kis | 28SC+QSI632ws |
| AN Cam | 2459936.9473 | | -0.1614 | 405 | V | 307 | Kis | 12.7SC+QSI632ws |
| LR Cam | 2459924.2662 | | -0.0081 | 17101 | V | 60 | Ioh | 20SC+ATIK383L |
| LR Cam | 2459924.2673 | | -0.0070 | 17101 | B | 60 | Ioh | 20SC+ATIK383L |
| V470 Cam | 2459902.3221 | | +0.0063 | 37238 | C | 108 | Kis | 28SC+QSI632ws |
| V470 Cam | 2459905.143 | *1 | +0.006 | 37267.5 | C | 375 | Kis | 28SC+QSI632ws |
| V470 Cam | 2459905.1920 | | +0.0068 | 37268 | C | 375 | Kis | 28SC+QSI632ws |
| V470 Cam | 2459905.2870 | | +0.0061 | 37268 | C | 375 | Kis | 28SC+QSI632ws |
| CM Cap | 2459731.6792 | | +0.1088 | 8607 | V | 130 | Nga | 15L+ATIK-490EX |
| CM Cap | 2459794.005 | | +0.019 | 8756 | B | 27 | Nga | 15L+ST-402 |
| CM Cap | 2459794.0053 | | +0.0190 | 8756 | Ic | 44 | Nga | 15L+ST-402 |
| CM Cap | 2459794.0056 | | +0.0193 | 8756 | V | 40 | Nga | 15L+ST-402 |
| RZ Cas | 2459840.612 | | +0.003 | 2770 | vis | 20 | Set | |
| RZ Cas | 2459852.562 | | +0.000 | 2780 | vis | 19 | Set | |
| RZ Cas | 2459856.1428 | | -0.0048 | 2783 | V | 438 | Kis | 12.7SC+QSI683ws |
| RZ Cas | 2459886.0249 | | -0.0039 | 2808 | cG | 135 | Mhh | f=50mm-RICHO-GXR-MOUNT-A12 |
| RZ Cas | 2459886.028 | | -0.001 | 2808 | vis | 23 | Mhh | 4.2B |
| BZ Cas | 2459929.0451 | | -0.0007 | 1719 | B | 82 | Ioh | 20SC+ATIK383L |
| BZ Cas | 2459929.0458 | | +0.0000 | 1719 | V | 82 | Ioh | 20SC+ATIK383L |
| V1337 Cas | 2459818.214 | | +0.041 | 20396 | B | 86 | Ioh | 20SC+ATIK383L |
| V1337 Cas | 2459818.216 | | +0.043 | 20396 | V | 86 | Ioh | 20SC+ATIK383L |
| BE Cep | 2459790.2119 | | -0.0078 | 5871 | B | 61 | Ioh | 30SC+ASI294MM |
| BE Cep | 2459790.2123 | | -0.0074 | 5871 | V | 61 | Ioh | 30SC+ASI294MM |
| BE Cep | 2459790.2126 | | -0.0071 | 5871 | Ic | 49 | Ioh | 30SC+ASI294MM |
| TT Cet | 2459853.0918 | | -0.0918 | 56193 | Ic | 119 | Nga | 15L+ST-402 |
| TX Cet | 2459873.0524 | | +0.0147 | 22664 | Ic | 64 | Nga | 15L+ST-402 |

| star | min. | | O-C | E | color | n | obs. | inst. |
|----------|--------------|----|---------|---------|-------|-----|------|-----------------|
| VV Cet | 2459828.1398 | | +0.1480 | 54556 | Ic | 163 | Nga | 15L+ST-402 |
| VV Cet | 2459900.9702 | *1 | +0.1050 | 54695.5 | Ic | 60 | Nga | 15L+ST-402 |
| YY Cet | 2459849.0906 | | -0.1150 | 29098 | V | 58 | Nga | 15L+ATIK-428EX |
| YY Cet | 2459849.0911 | | -0.1145 | 29098 | Ic | 55 | Nga | 15L+ATIK-428EX |
| YY Cet | 2459849.0921 | | -0.1135 | 29098 | B | 56 | Nga | 15L+ATIK-428EX |
| CT Cet | 2459790.2594 | *Q | +0.0478 | 30884 | U | 37 | Nga | 15L+ATIK-420 |
| CT Cet | 2459790.2605 | *Q | +0.0489 | 30884 | Rc | 55 | Nga | 15L+ATIK-420 |
| CT Cet | 2459790.2634 | *Q | +0.0518 | 30884 | Ha | 56 | Nga | 15L+ATIK-420 |
| CT Cet | 2459833.091 | *Q | +0.046 | 31051 | Ic | 68 | Nga | 15L+ATIK-420 |
| EM Cet | 2459929.9540 | *X | +6.0110 | 860 | Ic | 121 | Nga | 15L+ST-402 |
| GP Cet | 2459757.251 | *1 | -0.039 | 2376.5 | Ic | 39 | Nga | 15L+ST-402 |
| IK Cet | 2459849.1225 | | +0.0063 | 15557 | Ic | 130 | Nga | 15L+ST-402 |
| KO Cet | 2459926.991 | *1 | -0.005 | 7849.5 | Ic | 120 | Nga | 15L+ST-402 |
| LW Cet | 2459886.0285 | *1 | -0.0360 | 14099.5 | Ic | 65 | Nga | 15L+ST-402 |
| LW Cet | 2459932.9818 | | -0.0408 | 14237 | Ic | 105 | Nga | 15L+ST-402 |
| LW Cet | 2459936.9137 | *1 | -0.0363 | 14248.5 | Ic | 118 | Nga | 15L+ST-402 |
| LW Cet | 2459937.9376 | *1 | -0.0369 | 14251.5 | Ic | 114 | Nga | 15L+ST-402 |
| LW Cet | 2459942.8836 | | -0.0429 | 14266 | Ic | 106 | Nga | 15L+ST-402 |
| RT CMa | 2459921.2588 | | +0.0645 | 3132 | V | 244 | Kis | 12.7SC+QSI683ws |
| SX CMa | 2459593.0575 | | -0.0019 | 2434 | Ic | 81 | Nga | 15L+ATIK-490EX |
| SX CMa | 2459593.0582 | | -0.0012 | 2434 | V | 80 | Nga | 15L+ATIK-490EX |
| FZ CMa | 2459895.2360 | | +0.0588 | 4881.5 | Ic | 101 | Nga | 15L+ATIK-428EX |
| FZ CMa | 2459895.2372 | | +0.0600 | 4881.5 | V | 100 | Nga | 15L+ATIK-428EX |
| KL CMa | 2459889.1901 | | -0.0334 | 6650 | V | 439 | Kis | 28SC+QSI632ws |
| KL CMa | 2459902.2051 | *1 | -0.2353 | 6657.5 | V | 394 | Kis | 28SC+QSI632ws |
| V416 CMa | 2459614.9588 | *1 | +0.0064 | 18504.5 | V | 90 | Nga | 15L+ATIK-490EX |
| V416 CMa | 2459614.9592 | *1 | +0.0068 | 18504.5 | Ic | 82 | Nga | 15L+ATIK-490EX |
| UZ CMi | 2459645.0717 | | +0.0165 | 11242 | V | 107 | Ioh | 30SC+ASI294MM |
| UZ CMi | 2459645.0720 | | +0.0168 | 11242 | B | 106 | Ioh | 30SC+ASI294MM |
| UZ CMi | 2459645.0721 | | +0.0169 | 11242 | Ic | 105 | Ioh | 30SC+ASI294MM |
| AG CMi | 2459942.151 | *1 | +0.086 | 3226.5 | V | 284 | Kub | 16L+BJ41L |
| AK CMi | 2459910.215 | *1 | +0.001 | 8725.5 | Ic | 146 | Nga | 15L+ST-402 |
| BH CMi | 2459617.0904 | *1 | +0.2775 | 12495.5 | V | 245 | Ioh | 20SC+DSI-II |
| BH CMi | 2459883.2890 | *1 | +0.2736 | 12971.5 | V | 53 | Nga | 15L+ST-402 |
| BH CMi | 2459883.2922 | *1 | +0.2768 | 12971.5 | Ic | 58 | Nga | 15L+ST-402 |
| EX CMi | 2459617.0603 | *1 | +0.1309 | 16755.5 | B | 155 | Ioh | 30SC+ASI294MM |
| EX CMi | 2459617.0603 | *1 | +0.1309 | 16755.5 | Ic | 155 | Ioh | 30SC+ASI294MM |
| EX CMi | 2459617.0608 | *1 | +0.1314 | 16755.5 | V | 156 | Ioh | 30SC+ASI294MM |
| EX CMi | 2459617.2040 | | +0.1312 | 16756 | V | 156 | Ioh | 30SC+ASI294MM |
| EX CMi | 2459617.2046 | | +0.1318 | 16756 | Ic | 155 | Ioh | 30SC+ASI294MM |
| EX CMi | 2459617.2047 | | +0.1319 | 16756 | B | 155 | Ioh | 30SC+ASI294MM |
| FT CMi | 2459929.2803 | | +0.0298 | 24964 | V | 126 | Ioh | 20SC+ATIK383L |
| FT CMi | 2459929.2808 | | +0.0303 | 24964 | B | 126 | Ioh | 20SC+ATIK383L |
| LU Cnc | 2459646.0056 | | -0.0702 | 17344 | V | 44 | Ioh | 30SC+ASI294MM |
| LU Cnc | 2459646.0058 | | -0.0700 | 17344 | B | 45 | Ioh | 30SC+ASI294MM |
| LU Cnc | 2459646.0073 | | -0.0685 | 17344 | Ic | 44 | Ioh | 30SC+ASI294MM |
| MU Cnc | 2459615.0348 | | -0.0700 | 20922 | V | 557 | Kub | 16L+BJ41L |
| MU Cnc | 2459615.1789 | | -0.0714 | 20922.5 | V | 557 | Kub | 16L+BJ41L |
| NO Cnc | 2459606.1606 | *1 | -0.0100 | 8091.5 | V | 243 | Suz | 25SC+C3-26000 |
| NZ Cnc | 2459644.0677 | | -0.0136 | 11914 | B | 160 | Ioh | 30SC+AS1294MM |
| NZ Cnc | 2459644.0677 | | -0.0136 | 11914 | V | 166 | Ioh | 30SC+AS1294MM |
| NZ Cnc | 2459644.0678 | | -0.0135 | 11914 | Ic | 162 | Ioh | 30SC+AS1294MM |
| QT Cnc | 2459927.2784 | | +0.0135 | 11584 | Ic | 77 | Ioh | 30SC+AS1294MM |
| QT Cnc | 2459927.2789 | | +0.0140 | 11584 | B | 74 | Ioh | 30SC+AS1294MM |
| QT Cnc | 2459927.2791 | | +0.0142 | 11584 | V | 74 | Ioh | 30SC+AS1294MM |
| RS Col | 2459582.00 | *1 | -0.134 | 28213.5 | V | 59 | Nga | 15L+ATIK-490EX |

| star | min. | | O-C | E | color | n | obs. | inst. |
|--------|--------------|----|---------|---------|-------|-----|------|----------------|
| RS Col | 2459582.006 | *1 | -0.130 | 28213.5 | Ic | 59 | Nga | 15L+ATIK-490EX |
| RS Col | 2459611.918 | | -0.138 | 28258 | V | 63 | Nga | 15L+ATIK-490EX |
| RS Col | 2459611.923 | | -0.133 | 28258 | Ic | 63 | Nga | 15L+ATIK-490EX |
| RS Col | 2459612.932 | *1 | -0.132 | 28259.5 | V | 39 | Nga | 15L+ATIK-490EX |
| RS Col | 2459612.933 | *1 | -0.131 | 28259.5 | Ic | 38 | Nga | 15L+ATIK-490EX |
| RW Com | 2459937.3017 | *1 | +0.0216 | 83906.5 | V | 129 | Kub | 16L+BJ41L |
| MM Com | 2459643.2714 | | -0.0011 | 26631 | B | 80 | Ioh | 30SC+ASI294MM |
| MM Com | 2459643.2714 | | -0.0011 | 26631 | V | 113 | Ioh | 30SC+ASI294MM |
| MM Com | 2459643.2714 | | -0.0011 | 26631 | Ic | 123 | Ioh | 30SC+ASI294MM |
| PU Com | 2459686.129 | *1 | +0.014 | 16745.5 | V | 55 | Ioh | 30SC+ASI294MM |
| PU Com | 2459692.0990 | *1 | +0.0153 | 16761.5 | V | 132 | Ioh | 30SC+ASI294MM |
| PU Com | 2459692.0991 | *1 | +0.0154 | 16761.5 | B | 132 | Ioh | 30SC+ASI294MM |
| PU Com | 2459692.0994 | *1 | +0.0157 | 16761.5 | Ic | 126 | Ioh | 30SC+ASI294MM |
| QS Com | 2459678.1859 | *1 | -0.1249 | 16871.5 | B | 120 | Ioh | 30SC+ASI294MM |
| QS Com | 2459678.1862 | *1 | -0.1246 | 16871.5 | Ic | 120 | Ioh | 30SC+ASI294MM |
| QS Com | 2459678.1864 | *1 | -0.1244 | 16871.5 | V | 120 | Ioh | 30SC+ASI294MM |
| RW CrB | 2459792.4290 | | +0.0032 | 26212 | V | 337 | Kai | 28SC+ST-7XME |
| RW CrB | 2459800.4195 | | +0.0032 | 26223 | V | 388 | Kai | 28SC+ST-7XME |
| TW CrB | 2459617.2533 | | +0.0613 | 36882 | V | 338 | Kis | 28SC+QSI632ws |
| TW CrB | 2459815.4112 | *1 | +0.0633 | 37218.5 | V | 335 | Kai | 28SC+ST-7XME |
| AR CrB | 2459785.4478 | *1 | -0.0092 | 18673.5 | V | 460 | Kai | 28SC+ST-7XME |
| AR CrB | 2459788.4264 | | -0.0107 | 18681 | V | 302 | Kai | 28SC+ST-7XME |
| AR CrB | 2459816.4409 | *1 | -0.0095 | 18751.5 | V | 75 | Kai | 28SC+ST-7XME |
| AS CrB | 2459795.4434 | | +0.0895 | 19403 | V | 252 | Kai | 28SC+ST-7XME |
| AS CrB | 2459799.4394 | *1 | +0.0886 | 19413.5 | V | 165 | Kai | 28SC+ST-7XME |
| AV CrB | 2459794.4668 | *1 | -0.0856 | 24121.5 | V | 259 | Kai | 28SC+ST-7XME |
| AV CrB | 2459801.3990 | | -0.0877 | 24144 | V | 253 | Kai | 28SC+ST-7XME |
| CL CrB | 2459802.4243 | *1 | -0.0471 | 26594.5 | V | 219 | Kai | 28SC+ST-7XME |
| CL CrB | 2459803.3802 | *1 | -0.0477 | 26597.5 | V | 210 | Kai | 28SC+ST-7XME |
| CL CrB | 2459804.4944 | | -0.0493 | 26601 | V | 230 | Kai | 28SC+ST-7XME |
| CL CrB | 2459805.4513 | | -0.0488 | 26604 | V | 181 | Kai | 28SC+ST-7XME |
| AC Crt | 2459600.229 | | +0.028 | 9546 | Ic | 145 | Nga | 15L+ST-402 |
| AW Crt | 2459598.242 | *1 | +0.038 | 18209.5 | Ic | 85 | Nga | 15L+ST-402 |
| AW Crt | 2459629.0799 | *1 | +0.0386 | 18326.5 | Ic | 80 | Nga | 15L+ATIK-490EX |
| AW Crt | 2459629.0809 | *1 | +0.0396 | 18326.5 | V | 83 | Nga | 15L+ATIK-490EX |
| BD Crt | 2459680.003 | | -0.001 | 10348 | Ic | 57 | Nga | 15L+ST-402 |
| RV Crv | 2459632.1077 | | -0.1173 | 24895 | V | 104 | Nga | 15L+ATIK-490EX |
| RV Crv | 2459632.1089 | | -0.1161 | 24895 | Ic | 106 | Nga | 15L+ATIK-490EX |
| RV Crv | 2459678.068 | *1 | -0.113 | 24956.5 | Ic | 84 | Nga | 15L+ATIK-490EX |
| RV Crv | 2459678.070 | *1 | -0.111 | 24956.5 | V | 84 | Nga | 15L+ATIK-490EX |
| RV Crv | 2459710.953 | *1 | -0.107 | 25000.5 | Ic | 44 | Nga | 15L+ATIK-490EX |
| SX Crv | 2459604.198 | | +0.056 | 58700 | Ic | 90 | Nga | 15L+ATIK-490EX |
| SX Crv | 2459604.199 | | +0.057 | 58700 | V | 90 | Nga | 15L+ATIK-490EX |
| SX Crv | 2459613.2216 | *1 | +0.0559 | 58728.5 | Ic | 90 | Nga | 15L+ATIK-490EX |
| SX Crv | 2459613.2237 | *1 | +0.0580 | 58728.5 | V | 90 | Nga | 15L+ATIK-490EX |
| SX Crv | 2459679.0783 | *1 | +0.0518 | 58936.6 | Ic | 97 | Nga | 15L+ATIK-490EX |
| SX Crv | 2459679.0805 | *1 | +0.0540 | 58936.6 | V | 97 | Nga | 15L+ATIK-490EX |
| RV CVn | 2459745.360 | | -0.009 | 12248 | V | 245 | Kai | 28SC+ST-7XME |
| RV CVn | 2459745.4944 | *1 | -0.0092 | 12248.5 | V | 245 | Kai | 28SC+ST-7XME |
| RV CVn | 2459746.438 | | -0.009 | 12252 | V | 161 | Kai | 28SC+ST-7XME |
| RV CVn | 2459748.4595 | *1 | -0.0093 | 12259.5 | V | 201 | Kai | 28SC+ST-7XME |
| RV CVn | 2459749.4041 | | -0.0082 | 12263 | V | 231 | Kai | 28SC+ST-7XME |
| RV CVn | 2459751.4254 | *1 | -0.0087 | 12270.5 | V | 185 | Kai | 28SC+ST-7XME |
| RV CVn | 2459762.4773 | *1 | -0.0090 | 12311.5 | V | 165 | Kai | 28SC+ST-7XME |
| RV CVn | 2459763.4209 | | -0.0089 | 12315 | V | 202 | Kai | 28SC+ST-7XME |
| RV CVn | 2459766.3861 | | -0.0089 | 12326 | V | 90 | Kai | 28SC+ST-7XME |

| star | min. | | O-C | E | color | n | obs. | inst. |
|-----------|--------------|------|---------|---------|-------|-----|------|----------------|
| RV CVn | 2459767.4645 | | -0.0088 | 12330 | V | 169 | Kai | 28SC+ST-7XME |
| BI CVn | 2459772.4147 | | +0.0440 | 40106 | V | 172 | Kai | 28SC+ST-7XME |
| CX CVn | 2459780.4238 | | -0.0237 | 1725.5 | V | 302 | Kai | 28SC+ST-7XME |
| BO CVn | 2459777.4321 | *1 | +0.0119 | 6510.5 | V | 517 | Kai | 28SC+ST-7XME |
| BO CVn | 2459778.4646 | *1 | +0.0095 | 6512.5 | V | 460 | Kai | 28SC+ST-7XME |
| UW CVn | 2459769.4659 | | -0.0978 | 11327 | V | 89 | Kai | 28SC+ST-7XME |
| UW CVn | 2459773.4153 | *1 | -0.0968 | 11340.5 | V | 82 | Kai | 28SC+ST-7XME |
| DH CVn | 2459726.3975 | *1 | +0.1568 | 10061.5 | V | 244 | Kai | 28SC+ST-7XME |
| DH CVn | 2459740.4767 | | +0.1525 | 10100 | V | 137 | Kai | 28SC+ST-7XME |
| DH CVn | 2459742.4925 | *1 | +0.1564 | 10105.5 | V | 266 | Kai | 28SC+ST-7XME |
| DH CVn | 2459744.5040 | | +0.1559 | 10111 | V | 247 | Kai | 28SC+ST-7XME |
| FV CVn | 2459629.1764 | *1 | +0.0180 | 11287.5 | V | 427 | Ioh | 20SC+DSI-II |
| FV CVn | 2459629.3368 | | +0.0207 | 1128 | V | 427 | Ioh | 20SC+DSI-II |
| V466 Cyg | 2459802.1505 | | +0.0079 | 22297 | Ic | 80 | Ioh | 30SC+ASI294MM |
| V466 Cyg | 2459802.1506 | | +0.0080 | 22297 | V | 90 | Ioh | 30SC+ASI294MM |
| V466 Cyg | 2459802.1507 | | +0.0081 | 22297 | B | 90 | Ioh | 30SC+ASI294MM |
| V700 Cyg | 2459800.176 | *1 | -0.094 | 44999.5 | V | 104 | Ioh | 30SC+ASI294MM |
| V700 Cyg | 2459800.176 | *1 | -0.094 | 44999.5 | Ic | 82 | Ioh | 30SC+ASI294MM |
| V700 Cyg | 2459800.177 | *1 | -0.093 | 44999.5 | B | 104 | Ioh | 30SC+ASI294MM |
| V796 Cyg | 2459828.1084 | | +0.0149 | 14742 | V | 143 | Ioh | 20SC+ATIK383L |
| V796 Cyg | 2459828.1094 | | +0.0159 | 14742 | B | 143 | Ioh | 20SC+ATIK383L |
| V859 Cyg | 2459794.0548 | | -0.1163 | 62135 | B | 111 | Ioh | 30SC+ASI294MM |
| V859 Cyg | 2459794.0548 | | -0.1163 | 62135 | Ic | 98 | Ioh | 30SC+ASI294MM |
| V859 Cyg | 2459794.0549 | | -0.1162 | 62135 | V | 111 | Ioh | 30SC+ASI294MM |
| V859 Cyg | 2459794.2532 | *1 | -0.1204 | 62135.5 | B | 111 | Ioh | 30SC+ASI294MM |
| V859 Cyg | 2459794.2562 | *1 | -0.1174 | 62135.5 | V | 111 | Ioh | 30SC+ASI294MM |
| V2546 Cyg | 2459828.0626 | | -0.0066 | 13599 | V | 69 | Ioh | 30SC+ASI294MM |
| V2546 Cyg | 2459828.0630 | | -0.0062 | 13599 | B | 69 | Ioh | 30SC+ASI294MM |
| V2546 Cyg | 2459828.0633 | | -0.0059 | 13599 | Ic | 74 | Ioh | 30SC+ASI294MM |
| V2546 Cyg | 2459829.000 | | -0.003 | 13600.5 | V | 36 | Ioh | 30SC+ASI294MM |
| V2546 Cyg | 2459829.001 | | -0.002 | 13600.5 | Ic | 67 | Ioh | 30SC+ASI294MM |
| V2553 Cyg | 2459800.1042 | | +0.0001 | 4928 | V | 143 | Ioh | 20SC+ATIK383L |
| V2553 Cyg | 2459800.1071 | | +0.0030 | 4928 | B | 143 | Ioh | 20SC+ATIK383L |
| V2553 Cyg | 2459811.0217 | | -0.0341 | 30025 | Ic | 97 | Ioh | 30SC+ASI294MM |
| V2553 Cyg | 2459811.0224 | | -0.0334 | 30025 | V | 80 | Ioh | 30SC+ASI294MM |
| V2553 Cyg | 2459811.023 | | -0.033 | 30025 | B | 80 | Ioh | 30SC+ASI294MM |
| V2553 Cyg | 2459811.157 | *1 | -0.038 | 30025.5 | B | 80 | Ioh | 30SC+ASI294MM |
| V2553 Cyg | 2459811.1576 | *1 | -0.0375 | 30025.5 | V | 80 | Ioh | 30SC+ASI294MM |
| V2553 Cyg | 2459811.158 | *1 | -0.037 | 30025.5 | Ic | 97 | Ioh | 30SC+ASI294MM |
| V2874 Cyg | 2459810.0228 | *1 | +0.0367 | 5185.5 | B | 116 | Ioh | 30SC+ASI294MM |
| V2874 Cyg | 2459810.0232 | *1 | +0.0371 | 5185.5 | V | 116 | Ioh | 30SC+ASI294MM |
| V2874 Cyg | 2459810.0233 | *1 | +0.0372 | 5185.5 | Ic | 111 | Ioh | 30SC+ASI294MM |
| V2880 Cyg | 2459799.2121 | | -0.0294 | 3013 | V | 111 | Ioh | 30SC+ASI294MM |
| V2880 Cyg | 2459799.2122 | | -0.0293 | 3013 | B | 111 | Ioh | 30SC+ASI294MM |
| FZ Del | 2459763.1420 | *1 | -0.0281 | 36310.5 | Ic | 106 | Nga | 15L+ST-402 |
| MR Del | 2459743.182 | *1*M | -0.014 | 21550.5 | Ic | 77 | Nga | 15L+ST-402 |
| MR Del | 2459755.1818 | *1*M | -0.0134 | 21573.5 | Ic | 87 | Nga | 15L+ST-402 |
| MR Del | 2459794.0454 | *M | -0.0157 | 21648 | Ic | 108 | Nga | 15L+ST-402 |
| MR Del | 2459811.0029 | *1*M | -0.0131 | 21680.5 | Ic | 115 | Nga | 15L+ST-402 |
| RU Eri | 2459892.089 | | -0.046 | 27733 | B | 26 | Nga | 15L+ATIK-428EX |
| RU Eri | 2459892.0884 | | -0.0462 | 27733 | Ic | 36 | Nga | 15L+ATIK-428EX |
| RU Eri | 2459892.0886 | | -0.0460 | 27733 | V | 39 | Nga | 15L+ATIK-428EX |
| UX Eri | 2459873.1357 | | -0.1783 | 40314 | B | 53 | Nga | 15L+ATIK-428EX |
| UX Eri | 2459873.1358 | | -0.1782 | 40314 | Ic | 52 | Nga | 15L+ATIK-428EX |
| UX Eri | 2459873.1361 | | -0.1779 | 40314 | V | 46 | Nga | 15L+ATIK-428EX |
| UX Eri | 2459879.146 | *1 | -0.179 | 40327.5 | B | 57 | Nga | 15L+ATIK-428EX |

| star | min. | | O-C | E | color | n | obs. | inst. |
|-----------|--------------|------|---------|---------|-------|-----|------|----------------|
| UX Eri | 2459879.146 | *1 | -0.179 | 40327.5 | Ic | 56 | Nga | 15L+ATIK-428EX |
| UX Eri | 2459884.0453 | *1 | -0.1781 | 40338.5 | Ic | 42 | Nga | 15L+ATIK-428EX |
| UX Eri | 2459884.0459 | *1 | -0.1775 | 40338.5 | V | 38 | Nga | 15L+ATIK-428EX |
| UX Eri | 2459884.0462 | *1 | -0.1772 | 40338.5 | B | 41 | Nga | 15L+ATIK-428EX |
| UX Eri | 2459935.9224 | | -0.1760 | 40455 | Ic | 119 | Nga | 15L+ST-402 |
| YY Eri | 2459580.9674 | | -0.1496 | 55987 | Ic | 86 | Nga | 15L+ATIK-490EX |
| YY Eri | 2459580.9675 | | -0.1495 | 55987 | V | 86 | Nga | 15L+ATIK-490EX |
| YY Eri | 2459591.8978 | | -0.1500 | 56021 | Ic | 80 | Nga | 15L+ATIK-490EX |
| YY Eri | 2459591.8985 | | -0.1493 | 56021 | V | 82 | Nga | 15L+ATIK-490EX |
| YY Eri | 2459631.600 | *1 | -0.152 | 56144.5 | vis | 21 | Set | |
| YY Eri | 2459848.131 | | -0.1476 | 56818 | B | 77 | Nga | 15L+ATIK-428EX |
| YY Eri | 2459887.030 | | -0.149 | 56939 | V | 32 | Nga | 15L+ATIK-428EX |
| YY Eri | 2459887.032 | | -0.147 | 56939 | Ic | 28 | Nga | 15L+ATIK-428EX |
| YY Eri | 2459894.1035 | | -0.1488 | 56961 | Ic | 34 | Nga | 15L+ATIK-428EX |
| YY Eri | 2459894.1038 | | -0.1485 | 56961 | V | 33 | Nga | 15L+ATIK-428EX |
| YY Eri | 2459938.9524 | *1 | -0.1483 | 57100.5 | Ic | 77 | Nga | 15L+ST-402 |
| BC Eri | 2459603.916 | *A | +0.140 | 15368 | Ic | 66 | Nga | 15L+ST-402 |
| BC Eri | 2459902.085 | *1*A | +0.154 | 15933.5 | Ic | 41 | Nga | 15L+ATIK-428EX |
| BC Eri | 2459930.028 | *1*A | +0.153 | 15986.5 | Ic | 43 | Nga | 15L+ATIK-428EX |
| BC Eri | 2459930.030 | *1*A | +0.155 | 15986.5 | Ic | 44 | Nga | 15L+ATIK-428EX |
| BQ Eri | 2459924.087 | | +0.062 | 20121 | Ic | 90 | Nga | 15L+ST-402 |
| BV Eri | 2459900.0608 | *1 | +0.2309 | 32403.5 | Ic | 52 | Nga | 15L+ATIK-428EX |
| BV Eri | 2459943.9728 | | +0.2299 | 32490 | Ic | 50 | Nga | 15L+ST-402 |
| BZ Eri | 2459828.293 | | -0.001 | 51598 | Ic | 57 | Nga | 15L+ST-402 |
| CW Eri | 2459886.0726 | | -0.0247 | 6824 | V | 38 | Nga | 15L+ATIK-428EX |
| CW Eri | 2459886.0736 | | -0.0237 | 6824 | Ic | 42 | Nga | 15L+ATIK-428EX |
| CW Eri | 2459886.0749 | | -0.0224 | 6824 | B | 35 | Nga | 15L+ATIK-428EX |
| WW Gem | 2459900.3174 | | +0.0390 | 27400 | V | 348 | Kis | 28SC+QSI632ws |
| AH Gem | 2459616.016 | | -0.148 | 101938 | Ic | 414 | Kis | 28SC+QSI632ws |
| AH Gem | 2459894.1646 | | +0.1402 | 102763 | Ic | 255 | Kis | 28SC+QSI632ws |
| AY Gem | 2459613.0250 | | -0.0694 | 7526 | V | 710 | Ioh | 20SC+ATIK414EX |
| FG Gem | 2459928.1559 | | -0.0197 | 40074 | B | 167 | Ioh | 20SC+ATIK383L |
| FG Gem | 2459928.1562 | | -0.0194 | 40074 | V | 167 | Ioh | 20SC+ATIK383L |
| KQ Gem | 2459606.0253 | | -0.1233 | 74449 | V | 215 | Suz | 25SC+C3-26000 |
| V435 Gem | 2459936.2700 | | -0.0074 | 16142 | V | 321 | Ioh | 30SC+ASI294MM |
| V435 Gem | 2459940.308 | | -0.007 | 16154 | V | 333 | Ioh | 30SC+ASI294MM |
| V435 Gem | 2459943.338 | | -0.006 | 16163 | V | 262 | Ioh | 30SC+ASI294MM |
| V437 Gem | 2459615.1312 | | -0.0157 | 15271 | V | 469 | Ioh | 20SC+ATIK414EX |
| V478 Gem | 2459900.3000 | | +0.0737 | 10055 | V | 326 | Kis | 28SC+QSI632ws |
| V503 Gem | 2459601.1399 | *1 | +0.0036 | 10469.5 | V | 359 | Suz | 25SC+C3-26000 |
| V503 Gem | 2459613.0220 | | +0.0005 | 10496 | V | 226 | Suz | 25SC+C3-26000 |
| V508 Gem | 2459927.3449 | | +0.0325 | 9830 | B | 102 | Ioh | 20SC+ATIK383L |
| V508 Gem | 2459927.3462 | | +0.0338 | 9830 | V | 102 | Ioh | 20SC+ATIK383L |
| V511 Gem | 2459609.1454 | | -0.0122 | 13771 | V | 447 | Ioh | 30SC+ASI294MM |
| V518 Gem | 2459611.0957 | | -0.0031 | 11947 | V | 640 | Ioh | 30SC+ASI294MM |
| TT Her | 2459782.5157 | | +0.0427 | 21694 | V | 462 | Kai | 28SC+ST-7XME |
| MT Her | 2459820.4318 | | +0.0130 | 38348 | V | 232 | Kai | 28SC+ST-7XME |
| MT Her | 2459821.4072 | | +0.0130 | 38350 | V | 281 | Kai | 28SC+ST-7XME |
| V342 Her | 2459823.4333 | *1 | +0.0565 | 28330.5 | V | 224 | Kai | 28SC+ST-7XME |
| V1179 Her | 2459759.0439 | *1 | +0.1180 | 15181.5 | V | 280 | Ioh | 20SC+ATIK383L |
| V1306 Her | 2459801.118 | | +0.031 | 18035 | B | 175 | Ioh | 20SC+ATIK383L |
| V1306 Her | 2459801.122 | | +0.035 | 18035 | V | 175 | Ioh | 20SC+ATIK383L |
| V1306 Her | 2459802.048 | *1 | +0.035 | 18037.5 | B | 74 | Ioh | 20SC+ATIK383L |
| V1306 Her | 2459802.049 | *1 | +0.036 | 18037.5 | V | 74 | Ioh | 20SC+ATIK383L |
| V1321 Her | 2459733.2226 | | +0.0599 | 28676 | Ic | 127 | Ioh | 30SC+ASI294MM |
| V1321 Her | 2459733.2231 | | +0.0604 | 28676 | V | 127 | Ioh | 30SC+ASI294MM |

| star | min. | | O-C | E | color | n | obs. | inst. |
|-----------|--------------|------|---------|---------|-------|-----|------|------------------|
| V1321 Her | 2459733.2234 | | +0.0607 | 28676 | B | 127 | Ioh | 30SC+ASI294MM |
| V1470 Her | 2459757.0589 | | -0.0104 | 16129 | B | 132 | Ioh | 20SC+ATIK383L |
| V1470 Her | 2459757.0593 | | -0.0100 | 16129 | V | 132 | Ioh | 20SC+ATIK383L |
| RX Hya | 2459650.961 | *1 | +0.159 | 7101.5 | Ic | 153 | Nga | 15L+ST-402 |
| VY Hya | 2459662.9850 | | -0.1928 | 18053 | Ic | 78 | Nga | 15L+ATIK-490EX |
| VY Hya | 2459662.9857 | | -0.1921 | 18053 | V | 80 | Nga | 15L+ATIK-490EX |
| VZ Hya | 2459627.9989 | *1 | +0.0064 | 6670.5 | V | 104 | Nga | 15L+ATIK-490EX |
| VZ Hya | 2459627.9991 | *1 | +0.0066 | 6670.5 | Ic | 104 | Nga | 15L+ATIK-490EX |
| VZ Hya | 2459892.2902 | *1 | +0.0064 | 6761.5 | Ic | 124 | Nga | 15L+ST-402 |
| VZ Hya | 2459924.236 | *1 | +0.005 | 6772.5 | V | 58 | Nga | 15L+ATIK-428EX |
| VZ Hya | 2459924.236 | *1 | +0.005 | 6772.5 | Ic | 61 | Nga | 15L+ATIK-428EX |
| WY Hya | 2459592.0914 | *1 | +0.0452 | 26565.5 | Ic | 171 | Nga | 15L+ST-402 |
| WY Hya | 2459890.310 | | +0.047 | 26982 | Ic | 95 | Nga | 15L+ST-402 |
| AV Hya | 2459905.2982 | *1 | -0.1299 | 33994.5 | Ic | 81 | Nga | 15L+ST-402 |
| DF Hya | 2459598.0847 | *1 | -0.1538 | 86086.5 | Ic | 112 | Nga | 15L+ST-402 |
| DF Hya | 2459924.235 | | -0.138 | 87073 | Ic | 75 | Nga | 15L+ST-402 |
| DK Hya | 2459593.1952 | | -0.0332 | 54440 | Ic | 77 | Nga | 15L+ATIK-490EX |
| DK Hya | 2459593.1955 | | -0.0329 | 54440 | V | 82 | Nga | 15L+ATIK-490EX |
| EU Hya | 2459597.0003 | | -0.0989 | 32730 | Ic | 178 | Nga | 15L+ST-402 |
| EZ Hya | 2459604.067 | | -0.116 | 38131 | V | 66 | Nga | 15L+ATIK-490EX |
| EZ Hya | 2459604.068 | | -0.115 | 38131 | Ic | 69 | Nga | 15L+ATIK-490EX |
| EZ Hya | 2459644.9976 | | -0.1128 | 38222 | V | 87 | Nga | 15L+ATIK-490EX |
| EZ Hya | 2459644.9984 | | -0.1120 | 38222 | Ic | 89 | Nga | 15L+ATIK-490EX |
| EZ Hya | 2459927.209 | *1 | -0.121 | 38849.5 | Ic | 36 | Nga | 15L+ATIK-428EX |
| EZ Hya | 2459927.210 | *1 | -0.120 | 38849.5 | V | 46 | Nga | 15L+ATIK-428EX |
| FO Hya | 2459625.068 | *1 | +0.090 | 24511.5 | Ic | 126 | Nga | 15L+ST-402 |
| HU Hya | 2459600.032 | | -0.209 | 12907 | Ic | 155 | Nga | 15L+ST-402 |
| HU Hya | 2459629.971 | *1 | +0.791 | 12918.5 | Ic | 78 | Nga | 15L+ATIK-490EX |
| NY Hya | 2459594.1499 | *1*4 | -0.0288 | 1757.5 | Ic | 201 | Nga | 15L+ST-402 |
| OZ Hya | 2459635.0256 | *1*J | +0.2755 | 5434.5 | Ic | 125 | Nga | 15L+ST-402 |
| V409 Hya | 2459596.0961 | *1 | +0.0737 | 13639.5 | Ic | 206 | Nga | 15L+ST-402 |
| V409 Hya | 2459899.2932 | *1 | +0.0728 | 14281.5 | Ic | 60 | Nga | 15L+ST-402 |
| V572 Hya | 2459601.0949 | *1 | -0.0024 | 21064.5 | Ic | 145 | Nga | 15L+ST-402 |
| V572 Hya | 2459641.9949 | | -0.0017 | 21213 | Ic | 168 | Nga | 15L+ST-402 |
| V657 Hya | 2459629.0539 | *1 | -0.0462 | 14573.5 | Ic | 184 | Nga | 15L+ST-402 |
| AG Lac | 2459895.3825 | | +0.2888 | 46676 | V | 394 | Kai | 28SC+ST-7XME |
| XY Leo | 2459645.0208 | | +0.0525 | 51287 | V | 222 | Kis | 28SC+QSI632ws |
| XY Leo | 2459938.3509 | *1 | +0.0525 | 52319.5 | V | 205 | Kub | 16L+BJ41L |
| XZ Leo | 2459612.1445 | | +0.0929 | 29907 | V | 501 | Kub | 16L+BJ41L |
| AP Leo | 2459606.0924 | *1 | +0.0389 | 46634.5 | Ic | 209 | Nga | 15L+ST-402 |
| AP Leo | 2459616.2070 | | +0.0401 | 46658 | V | 274 | Kia | 7.6R+ASI294MMpro |
| AP Leo | 2459617.2810 | *1 | +0.0382 | 46660.5 | V | 143 | Kia | 7.6R+ASI294MMpro |
| AP Leo | 2459628.0423 | *1 | +0.0406 | 46685.5 | Ic | 223 | Nga | 15L+ST-402 |
| AP Leo | 2459937.2605 | | +0.0468 | 47404 | Ic | 63 | Nga | 15L+ST-402 |
| CE Leo | 2459596.2276 | | -0.0186 | 47948 | V | 428 | Kub | 16L+BJ41L |
| CE Leo | 2459703.0347 | | -0.0185 | 48300 | V | 233 | Ioh | 20SC+ATIK383L |
| CE Leo | 2459705.0079 | *1 | -0.0176 | 48306.5 | V | 299 | Ioh | 20SC+ATIK383L |
| FM Leo | 2459681.9755 | *Z2 | -3.3577 | 1068 | Ic | 82 | Nga | 15L+ST-402 |
| GV Leo | 2459650.9782 | | +0.0247 | 25856 | V | 276 | Kub | 16L+BJ41L |
| MW Leo | 2459677.0389 | | +0.0062 | 5923 | V | 346 | Ioh | 20SC+DSI-II |
| QZ Leo | 2459615.1370 | *1 | +0.0046 | 13573.5 | Ic | 126 | Nga | 15L+ST-402 |
| VZ Lib | 2459628.277 | | +0.061 | 41421 | V | 45 | Nga | 15L+ATIK-490EX |
| VZ Lib | 2459628.278 | | +0.062 | 41421 | Ic | 43 | Nga | 15L+ATIK-490EX |
| VZ Lib | 2459651.196 | | +0.051 | 41485 | Ic | 45 | Nga | 15L+ATIK-490EX |
| VZ Lib | 2459651.200 | | +0.055 | 41485 | V | 42 | Nga | 15L+ATIK-490EX |
| ES Lib | 2459644.2190 | | +0.1144 | 21873 | Ic | 93 | Nga | 15L+ATIK-490EX |

| star | min. | O-C | E | color | n | obs. | inst. |
|----------|--------------|------------|---------|-------|-----|------|------------------|
| ES Lib | 2459644.2204 | +0.1158 | 21873 | V | 92 | Nga | 15L+ATIK-490EX |
| ES Lib | 2459728.9899 | +0.1139 | 21969 | Ic | 98 | Nga | 15L+ATIK-490EX |
| ES Lib | 2459728.9927 | +0.1167 | 21969 | V | 88 | Nga | 15L+ATIK-490EX |
| V372 Lib | 2459680.0956 | -0.0083 | 10140 | Ic | 174 | Nga | 15L+ST-402 |
| V372 Lib | 2459682.1399 | *1 +0.0046 | 10143.5 | Ic | 135 | Nga | 15L+ST-402 |
| XX LMi | 2459663.113 | +0.000 | 19689 | Ic | 92 | Ioh | 30SC+ASI294MM |
| XX LMi | 2459663.1185 | +0.0059 | 19689 | V | 110 | Ioh | 30SC+ASI294MM |
| XX LMi | 2459663.1215 | +0.0089 | 19689 | B | 110 | Ioh | 30SC+ASI294MM |
| XX LMi | 2459676.103 | +0.006 | 19724 | B | 121 | Ioh | 30SC+ASI294MM |
| XX LMi | 2459676.104 | +0.007 | 19724 | Ic | 139 | Ioh | 30SC+ASI294MM |
| XX LMi | 2459676.106 | +0.009 | 19724 | V | 121 | Ioh | 30SC+ASI294MM |
| XX LMi | 2459677.012 | *1 -0.012 | 19726.5 | B | 131 | Ioh | 30SC+ASI294MM |
| XX LMi | 2459677.012 | *1 -0.012 | 19726.5 | Ic | 115 | Ioh | 30SC+ASI294MM |
| XX LMi | 2459677.015 | *1 -0.009 | 19726.5 | V | 131 | Ioh | 30SC+ASI294MM |
| XX LMi | 2459679.9816 | *1 -0.0106 | 19734.5 | B | 98 | Ioh | 30SC+ASI294MM |
| XX LMi | 2459679.9821 | *1 -0.0101 | 19734.5 | V | 98 | Ioh | 30SC+ASI294MM |
| XX LMi | 2459679.984 | *1 -0.008 | 19734.5 | Ic | 88 | Ioh | 30SC+ASI294MM |
| RV Lyn | 2459604.0772 | -1.1343 | 13022 | C | 257 | Suz | 25SC+C3-26000 |
| BH Lyn | 2459899.319 | *V +0.058 | 81597 | C | 253 | Kis | 28SC+QSI632ws |
| DZ Lyn | 2459923.3309 | -0.0074 | 19049 | V | 143 | Ioh | 20SC+ATIK383L |
| DZ Lyn | 2459923.3324 | -0.0059 | 19049 | B | 143 | Ioh | 20SC+ATIK383L |
| EL Lyn | 2459581.2618 | *1 +0.1006 | 12364.5 | V | 398 | Suz | 25SC+C3-26000 |
| IN Lyn | 2459632.0499 | -0.0241 | 12389 | B | 181 | Ioh | 30SC+ASI294MM |
| IN Lyn | 2459632.0504 | -0.0236 | 12389 | V | 182 | Ioh | 30SC+ASI294MM |
| IN Lyn | 2459632.0511 | -0.0229 | 12389 | Ic | 166 | Ioh | 30SC+ASI294MM |
| TZ Lyr | 2459827.4177 | -0.0016 | 28446 | V | 419 | Kai | 28SC+ST-7XME |
| TZ Lyr | 2459845.3975 | -0.0019 | 28480 | V | 605 | Kai | 28SC+ST-7XME |
| AA Lyr | 2459824.4770 | *1 -0.4212 | 28035.5 | V | 246 | Kai | 28SC+ST-7XME |
| AA Lyr | 2459844.3912 | -0.3636 | 28054 | V | 222 | Kai | 28SC+ST-7XME |
| DF Lyr | 2459826.4037 | *1 +0.0195 | 55489.5 | V | 248 | Kai | 28SC+ST-7XME |
| DF Lyr | 2459856.4141 | *1 +0.0193 | 55541.5 | V | 116 | Kai | 28SC+ST-7XME |
| HY Lyr | 2459853.3526 | | | V | 120 | Kai | 28SC+ST-7XME |
| HY Lyr | 2459856.3059 | | | V | 125 | Kai | 28SC+ST-7XME |
| HY Lyr | 2459857.4126 | | | V | 113 | Kai | 28SC+ST-7XME |
| HY Lyr | 2459858.3343 | *1 | | V | 175 | Kai | 28SC+ST-7XME |
| IW Lyr | 2459857.3059 | -0.3840 | 19931 | V | 139 | Kai | 28SC+ST-7XME |
| PY Lyr | 2459834.4426 | *1 +0.0852 | 38145.5 | V | 295 | Kai | 28SC+ST-7XME |
| PY Lyr | 2459835.4069 | +0.0851 | 38148 | V | 311 | Kai | 28SC+ST-7XME |
| V833 Lyr | 2459786.0898 | +0.0024 | 6185 | V | 206 | Ioh | 20SC+ATIK383L |
| V833 Lyr | 2459788.1213 | *1 +0.0018 | 6190.5 | V | 112 | Ioh | 20SC+ATIK383L |
| RU Mon | 2459595.0805 | -0.1642 | 4980 | V | 212 | Kia | 7.6R+ASI294MMpro |
| RU Mon | 2459613.0032 | -0.1653 | 4985 | V | 234 | Kia | 7.6R+ASI294MMpro |
| RU Mon | 2459613.0037 | -0.1648 | 4985 | Ic | 161 | Nga | 15L+ST-402 |
| RU Mon | 2459632.1055 | *1 -0.7791 | 4990.5 | V | 188 | Kia | 7.6R+ASI294MMpro |
| FS Mon | 2459583.0751 | *1 -0.0114 | 13185.5 | Ic | 176 | Nga | 15L+ST-402 |
| HI Mon | 2459879.265 | *1 +0.007 | 18777.5 | Ic | 56 | Nga | 15L+ATIK-428EX |
| EP Mon | 2459936.1012 | *1 +0.0278 | 23558.5 | Ic | 84 | Nga | 15L+ST-402 |
| V448 Mon | 2459605.9865 | *1 +0.0986 | 23887.5 | Ic | 223 | Nga | 15L+ST-402 |
| V448 Mon | 2459614.9460 | *1 +0.1104 | 23895.5 | Ic | 180 | Nga | 15L+ST-402 |
| V448 Mon | 2459628.9239 | +0.1074 | 23908 | Ic | 96 | Nga | 15L+ST-402 |
| V453 Mon | 2459886.2279 | *1 -0.1326 | 38813.5 | Ic | 49 | Nga | 15L+ATIK-428EX |
| V453 Mon | 2459886.2287 | *1 -0.1318 | 38813.5 | V | 47 | Nga | 15L+ATIK-428EX |
| V453 Mon | 2459886.2300 | *1 -0.1305 | 38813.5 | B | 45 | Nga | 15L+ATIK-428EX |
| V453 Mon | 2459927.1069 | *1 +0.2119 | 38872.5 | Ic | 62 | Nga | 15L+ATIK-428EX |
| V453 Mon | 2459927.1076 | *1 +0.2126 | 38872.5 | V | 64 | Nga | 15L+ATIK-428EX |
| V635 Mon | 2459641.947 | *1 +0.222 | 16585.5 | Ic | 43 | Nga | 15L+ATIK-490EX |

| star | min. | | O-C | E | color | n | obs. | inst. |
|-----------|--------------|------|---------|---------|-------|-----|------|----------------|
| V635 Mon | 2459641.949 | *1 | +0.224 | 16585.5 | V | 38 | Nga | 15L+ATIK-490EX |
| V864 Mon | 2459621.9477 | | -0.0028 | 17048 | V | 63 | Nga | 15L+ATIK-490EX |
| V864 Mon | 2459621.9495 | | -0.0010 | 17048 | Ic | 61 | Nga | 15L+ATIK-490EX |
| V864 Mon | 2459633.0589 | | -0.0028 | 17079 | V | 146 | Ioh | 30SC+ASI294MM |
| V864 Mon | 2459633.0591 | | -0.0026 | 17079 | B | 145 | Ioh | 30SC+ASI294MM |
| V864 Mon | 2459633.0591 | | -0.0026 | 17079 | Ic | 142 | Ioh | 30SC+ASI294MM |
| V873 Mon | 2459583.9830 | | -0.0909 | 2168 | Ic | 185 | Nga | 15L+ST-402 |
| V880 Mon | 2459608.918 | | +0.028 | 19804 | V | 97 | Nga | 15L+ATIK-490EX |
| V880 Mon | 2459608.918 | | +0.028 | 19804 | Ic | 89 | Nga | 15L+ATIK-490EX |
| V502 Oph | 2459692.208 | *1 | -0.196 | 40843.5 | V | 94 | Nga | 15L+ATIK-490EX |
| V502 Oph | 2459692.210 | *1 | -0.194 | 40843.5 | Ic | 90 | Nga | 15L+ATIK-490EX |
| V502 Oph | 2459705.1250 | | -0.2009 | 40872 | V | 58 | Nga | 15L+ATIK-490EX |
| V502 Oph | 2459705.1253 | | -0.2006 | 40872 | Ic | 54 | Nga | 15L+ATIK-490EX |
| V502 Oph | 2459757.039 | *1 | -0.200 | 40986.5 | Ic | 93 | Nga | 15L+ST-402 |
| V502 Oph | 2459762.0239 | *1 | -0.2029 | 40997.5 | B | 97 | Kia | 7.6R+C1x61000 |
| V502 Oph | 2459762.0264 | *1 | -0.2004 | 40997.5 | V | 97 | Kia | 7.6R+C1x61000 |
| V566 Oph | 2459677.2451 | *1 | -0.1202 | 43553.5 | Ic | 207 | Nga | 15L+ST-402 |
| V566 Oph | 2459733.1607 | | -0.1212 | 43690 | V | 70 | Kia | 7.6R+C1x61000 |
| V566 Oph | 2459733.1609 | | -0.1210 | 43690 | B | 70 | Kia | 7.6R+C1x61000 |
| V566 Oph | 2459733.1609 | | -0.1210 | 43690 | Rc | 70 | Kia | 7.6R+C1x61000 |
| V566 Oph | 2459757.1255 | *1 | -0.1207 | 43748.5 | B | 131 | Kia | 7.6R+C1x61000 |
| V566 Oph | 2459757.1265 | *1 | -0.1197 | 43748.5 | Ic | 131 | Kia | 7.6R+C1x61000 |
| V566 Oph | 2459757.1275 | *1 | -0.1187 | 43748.5 | V | 131 | Kia | 7.6R+C1x61000 |
| V566 Oph | 2459761.0195 | | -0.1183 | 43758 | Ic | 147 | Nga | 15L+ST-402 |
| V2425 Oph | 2459763.0190 | *N | -0.2525 | 5387 | Ic | 114 | Nga | 15L+ST-402 |
| V2383 Oph | 2459635.283 | | -0.003 | 15037 | Ic | 28 | Nga | 15L+ST-402 |
| V2383 Oph | 2459678.2210 | *I | -0.0030 | 14292.5 | Ic | 140 | Nga | 15L+ST-402 |
| V2610 Oph | 2459729.1335 | *1 | -0.0333 | 17254.5 | Ic | 151 | Nga | 15L+ST-402 |
| V2713 Oph | 2459733.0689 | *1 | +0.0195 | 14187.5 | Ic | 123 | Nga | 15L+ST-402 |
| ER Ori | 2459593.9222 | | +0.1600 | 42436 | V | 242 | Kis | 25SC+QSI632ws |
| ER Ori | 2459593.9227 | | +0.1605 | 42436 | V | 100 | Nga | 15L+ATIK-490EX |
| ER Ori | 2459593.9232 | | +0.1610 | 42436 | Ic | 99 | Nga | 15L+ATIK-490EX |
| ER Ori | 2459631.608 | | +0.163 | 42525 | vis | 22 | Set | |
| FH Ori | 2459599.9677 | | -0.4919 | 15666 | Ic | 157 | Nga | 15L+ST-402 |
| FZ Ori | 2459593.9150 | | -0.0217 | 38925 | Ic | 214 | Nga | 15L+ST-402 |
| FZ Ori | 2459905.1047 | | -0.0216 | 39703 | Ic | 137 | Nga | 15L+ST-402 |
| FZ Ori | 2459917.1065 | | -0.0194 | 39733 | Ic | 100 | Nga | 15L+ST-402 |
| OS Ori | 2459928.2180 | | -0.0170 | 6101 | B | 107 | Ioh | 30SC+ASI294MM |
| OS Ori | 2459928.2181 | | -0.0169 | 6101 | V | 107 | Ioh | 30SC+ASI294MM |
| OS Ori | 2459928.2181 | | -0.0169 | 6101 | Ic | 98 | Ioh | 30SC+ASI294MM |
| V392 Ori | 2459938.0622 | *1 | +0.0057 | 52225.5 | V | 256 | Kub | 16L+BJ41L |
| V1363 Ori | 2459595.9321 | *1*5 | -0.2145 | 25690.5 | Ic | 180 | Nga | 15L+ST-402 |
| V1363 Ori | 2459600.8999 | *5 | -0.2137 | 25702 | Ic | 158 | Nga | 15L+ST-402 |
| V1638 Ori | 2459597.916 | *1*6 | +0.038 | 8416.5 | Ic | 118 | Nga | 15L+ST-402 |
| V1848 Ori | 2459592.0002 | *1 | +0.0144 | 20745.5 | Ic | 172 | Nga | 15L+ST-402 |
| V1848 Ori | 2459849.1677 | | +0.0213 | 21711 | Ic | 142 | Nga | 15L+ST-402 |
| V1848 Ori | 2459892.048 | | +0.019 | 21872 | Ic | 59 | Nga | 15L+ST-402 |
| V1851 Ori | 2459616.0673 | | +0.0291 | 20923 | V | 100 | Ioh | 20SC+ATIK414EX |
| V2735 Ori | 2459616.0421 | | -0.0352 | 5314 | Ic | 273 | Ioh | 30SC+ASI294MM |
| V2735 Ori | 2459616.0424 | | -0.0349 | 5314 | V | 273 | Ioh | 30SC+ASI294MM |
| V2735 Ori | 2459616.0436 | | -0.0337 | 5314 | B | 275 | Ioh | 30SC+ASI294MM |
| V2780 Ori | 2459606.139 | | +0.061 | 1467 | V | 725 | Ioh | 20SC+ATIK414EX |
| V2790 Ori | 2459897.3037 | | -0.0178 | 29098 | B | 275 | Ioh | 30SC+ASI294MM |
| V2790 Ori | 2459897.3037 | | -0.0178 | 29098 | Ic | 275 | Ioh | 30SC+ASI294MM |
| V2790 Ori | 2459897.3038 | | -0.0177 | 29098 | V | 275 | Ioh | 30SC+ASI294MM |
| V2794 Ori | 2459613.0655 | | +0.0079 | 17397 | V | 123 | Ioh | 30SC+ASI294MM |

| star | min. | | O-C | E | color | n | obs. | inst. |
|-----------|--------------|------|---------|---------|-------|------|------|-----------------|
| V2818 Ori | 2459897.3122 | | -0.0047 | 16630 | B | 50 | Ioh | 20SC+ATIK383L |
| V2818 Ori | 2459897.3127 | | -0.0042 | 16630 | V | 50 | Ioh | 20SC+ATIK383L |
| V2820 Ori | 2459601.0503 | | -0.0097 | 10279 | V | 333 | Kub | 16L+BJ41L |
| V2833 Ori | 2459848.2493 | *1 | +0.0040 | 15747.5 | Ic | 120 | Nga | 15L+ST-402 |
| V2833 Ori | 2459900.0882 | *1 | +0.0030 | 15908.5 | Ic | 131 | Nga | 15L+ST-402 |
| V560 Peg | 2459580.960 | *1 | +0.016 | 14206.5 | V | 282 | Suz | 25SC+C3-26000 |
| V596 Peg | 2459930.030 | | +0.012 | 18199 | B | 70 | Ioh | 20SC+ATIK383L |
| V596 Peg | 2459930.030 | | +0.012 | 18199 | V | 70 | Ioh | 20SC+ATIK383L |
| V673 Peg | 2459836.197 | | -0.032 | 14647 | V | 38 | Ioh | 30SC+ASI294MM |
| V673 Peg | 2459836.1975 | | -0.0316 | 14647 | Ic | 64 | Ioh | 30SC+ASI294MM |
| V673 Peg | 2459836.198 | | -0.031 | 14647 | B | 38 | Ioh | 30SC+ASI294MM |
| RV Per | 2459905.0574 | | +0.0019 | 9049 | V | 357 | Kub | 16L+BJ41L |
| IM Per | 2459893.3060 | | +0.1242 | 11690 | V | 142 | Ioh | 30SC+ASI294MM |
| IM Per | 2459893.3083 | | +0.1265 | 11690 | B | 142 | Ioh | 30SC+ASI294MM |
| V740 Per | 2459895.330 | *1 | -0.002 | 22778.5 | B | 159 | Ioh | 30SC+ASI294MM |
| V740 Per | 2459895.331 | *1 | -0.001 | 22778.5 | V | 159 | Ioh | 30SC+ASI294MM |
| V1096 Per | 2459880.2745 | | -0.0075 | 10405 | V | 63 | Ioh | 20SC+ATIK383L |
| V1096 Per | 2459880.2748 | | -0.0072 | 10405 | B | 63 | Ioh | 20SC+ATIK383L |
| V1096 Per | 2459881.2295 | | -0.0073 | 10408 | V | 81 | Ioh | 20SC+ATIK383L |
| V1096 Per | 2459881.2298 | | -0.0070 | 10408 | B | 81 | Ioh | 20SC+ATIK383L |
| V1096 Per | 2459883.2953 | *1 | -0.0101 | 10414.5 | B | 89 | Ioh | 20SC+ATIK383L |
| V1096 Per | 2459883.2967 | *1 | -0.0087 | 10414.5 | V | 89 | Ioh | 20SC+ATIK383L |
| beta Per | 2459593.9700 | | +0.1538 | 4866 | V | 718 | Kis | f=85mm+QSI683ws |
| beta Per | 2459938.0502 | | +0.1575 | 4986 | V | 1459 | Kis | f=50mm+ASI294MM |
| RW PsA | 2459848.995 | | -0.111 | 70802 | B | 58 | Nga | 15L+ATIK-428EX |
| RW PsA | 2459848.996 | | -0.110 | 70802 | Ic | 66 | Nga | 15L+ATIK-428EX |
| UV Psc | 2459833.1437 | *1 | -0.0258 | 19077.5 | Ic | 233 | Nga | 15L+ST-402 |
| UV Psc | 2459895.9977 | *1 | -0.0284 | 19150.5 | Ic | 123 | Nga | 15L+ST-402 |
| VZ Psc | 2459783.2311 | | +0.1044 | 61071 | Ic | 166 | Nga | 15L+ST-402 |
| VZ Psc | 2459791.201 | *1 | +0.108 | 61101.5 | Ic | 29 | Nga | 15L+ST-402 |
| VZ Psc | 2459810.138 | | +0.109 | 61174 | B | 28 | Nga | 15L+ST-402 |
| VZ Psc | 2459810.140 | | +0.111 | 61174 | V | 29 | Nga | 15L+ST-402 |
| VZ Psc | 2459810.140 | | +0.111 | 61174 | Ic | 29 | Nga | 15L+ST-402 |
| VZ Psc | 2459854.9542 | *1 | -0.1294 | 61346.5 | Ic | 92 | Nga | 15L+ST-402 |
| VZ Psc | 2459872.9810 | *1 | -0.1245 | 61415.5 | Ic | 88 | Nga | 15L+ST-402 |
| VZ Psc | 2459873.8875 | | +0.1290 | 61418 | Ic | 118 | Nga | 15L+ST-402 |
| VZ Psc | 2459885.9031 | | +0.1301 | 61464 | Ic | 42 | Nga | 15L+ST-402 |
| AQ Psc | 2459811.1132 | *1*R | -0.1365 | 32059.5 | Ic | 129 | Nga | 15L+ST-402 |
| AQ Psc | 2459886.9672 | *R | -0.1471 | 32219 | Ic | 57 | Nga | 15L+ST-402 |
| AQ Psc | 2459891.9619 | *1*R | -0.1466 | 32229.5 | Ic | 46 | Nga | 15L+ST-402 |
| DV Psc | 2459785.2667 | *P | +0.0038 | 25602 | Ic | 151 | Nga | 15L+ST-402 |
| DV Psc | 2459794.2183 | *P | +0.0078 | 25631 | Ic | 185 | Nga | 15L+ST-402 |
| DV Psc | 2459799.155 | *P | +0.008 | 25647 | B | 29 | Nga | 15L+ST-402 |
| DV Psc | 2459799.155 | *P | +0.008 | 25647 | Ic | 32 | Nga | 15L+ST-402 |
| DV Psc | 2459799.156 | *P | +0.009 | 25647 | V | 32 | Nga | 15L+ST-402 |
| DV Psc | 2459802.241 | *P | +0.009 | 25657 | V | 42 | Ioh | 20SC+ATIK383L |
| DV Psc | 2459802.242 | *P | +0.010 | 25657 | B | 42 | Ioh | 20SC+ATIK383L |
| DV Psc | 2459807.1792 | *P | +0.0101 | 25673 | Ic | 85 | Nga | 15L+ST-402 |
| DV Psc | 2459814.2737 | *P | +0.0083 | 25696 | B | 121 | Ioh | 20SC+ATIK383L |
| DV Psc | 2459814.2738 | *P | +0.0084 | 25696 | V | 121 | Ioh | 20SC+ATIK383L |
| DV Psc | 2459824.1470 | *P | +0.0083 | 25728 | V | 71 | Ioh | 20SC+ATIK383L |
| DV Psc | 2459824.1472 | *P | +0.0085 | 25728 | B | 71 | Ioh | 20SC+ATIK383L |
| DV Psc | 2459927.044 | *1*P | +0.008 | 26061.5 | B | 142 | Ioh | 20SC+ATIK383L |
| DV Psc | 2459927.044 | *1*P | +0.008 | 26061.5 | V | 142 | Ioh | 20SC+ATIK383L |
| EX Psc | 2459814.222 | | -0.073 | 21300 | V | 121 | Ioh | 20SC+ATIK383L |
| GW Psc | 2459938.0069 | *1 | -0.1256 | 20742.5 | V | 67 | Ioh | 20SC+ATIK383L |

| star | min. | | O-C | E | color | n | obs. | inst. |
|----------|--------------|------|---------|---------|-------|-----|------|----------------|
| GW Psc | 2459938.0078 | *1 | -0.1247 | 20742.5 | B | 67 | Ioh | 20SC+ATIK383L |
| HO Psc | 2459926.0422 | | +0.0225 | 21719 | V | 113 | Ioh | 20SC+ATIK383L |
| HO Psc | 2459926.0423 | | +0.0226 | 21719 | B | 113 | Ioh | 20SC+ATIK383L |
| TY Pup | 2459634.941 | | +0.228 | 30788 | Ic | 77 | Nga | 15L+ATIK-490EX |
| TY Pup | 2459634.943 | | +0.230 | 30788 | V | 70 | Nga | 15L+ATIK-490EX |
| KW Pup | 2459902.2143 | *1 | +0.0422 | 21392.5 | Ic | 75 | Nga | 15L+ATIK-428EX |
| KW Pup | 2459902.2155 | *1 | +0.0434 | 21392.5 | V | 72 | Nga | 15L+ATIK-428EX |
| V Tri | 2459895.0448 | | -0.0056 | 60527 | V | 290 | Kub | 16L+BJ41L |
| BQ Tri | 2459917.0092 | *1 | -0.0075 | 17011.5 | B | 242 | Ioh | 20SC+ATIK383L |
| BQ Tri | 2459917.0111 | *1 | -0.0056 | 17011.5 | V | 242 | Ioh | 20SC+ATIK383L |
| CY Tri | 2459916.985 | | +0.023 | 25259 | V | 237 | Ioh | 20SC+ATIK383L |
| CY Tri | 2459916.989 | | +0.020 | 25259 | B | 237 | Ioh | 20SC+ATIK383L |
| CY Tri | 2459917.159 | *1 | +0.023 | 25259.5 | V | 237 | Ioh | 20SC+ATIK383L |
| CY Tri | 2459917.165 | *1 | +0.029 | 25259.5 | B | 237 | Ioh | 20SC+ATIK383L |
| U Sct | 2459778.0130 | | -0.0294 | 16031 | B | 31 | Nga | 15L+ST-402 |
| U Sct | 2459778.0137 | | -0.0287 | 16031 | V | 32 | Nga | 15L+ST-402 |
| U Sct | 2459778.0156 | | -0.0268 | 16031 | Ic | 30 | Nga | 15L+ST-402 |
| RS Sct | 2459763.1061 | | -0.0323 | 23073 | V | 44 | Nga | 15L+ST-402 |
| RS Sct | 2459763.1065 | | -0.0319 | 23073 | Ic | 41 | Nga | 15L+ST-402 |
| RS Sct | 2459763.1068 | | -0.0316 | 23073 | B | 43 | Nga | 15L+ST-402 |
| RS Sct | 2459783.0317 | | -0.0339 | 23103 | B | 62 | Nga | 15L+ATIK-420 |
| RS Sct | 2459783.0328 | | -0.0328 | 23103 | V | 67 | Nga | 15L+ATIK-420 |
| RS Sct | 2459783.0331 | | -0.0325 | 23103 | Ic | 60 | Nga | 15L+ATIK-420 |
| RS Ser | 2459762.0397 | | +0.0303 | 41529 | Ic | 159 | Nga | 15L+ST-402 |
| RS Sct | 2459784.031 | *1 | -0.031 | 23104.5 | B | 59 | Nga | 15L+ATIK-420 |
| RS Sct | 2459792.997 | | -0.032 | 23118 | Ic | 23 | Nga | 15L+ST-402 |
| RS Sct | 2459792.998 | | -0.031 | 23118 | B | 18 | Nga | 15L+ST-402 |
| RS Sct | 2459793.000 | | -0.029 | 23118 | V | 17 | Nga | 15L+ST-402 |
| VY Sex | 2459616.1259 | *1*G | +0.0457 | 16047.5 | V | 101 | Nga | 15L+ATIK-490EX |
| VY Sex | 2459616.1262 | *1*G | +0.0460 | 16047.5 | Ic | 96 | Nga | 15L+ATIK-490EX |
| VY Sex | 2459932.2970 | *1*G | +0.0498 | 16760.5 | Ic | 100 | Nga | 15L+ST-402 |
| VY Sex | 2459936.2860 | *1*G | +0.0479 | 16769.5 | Ic | 97 | Nga | 15L+ST-402 |
| VY Sex | 2459940.275 | *1*G | +0.046 | 16778.5 | V | 19 | Nga | 15L+ATIK-490EX |
| VY Sex | 2459940.275 | *1*G | +0.046 | 16778.5 | Ic | 20 | Nga | 15L+ATIK-490EX |
| VY Sex | 2459944.269 | *1*G | +0.049 | 16787.5 | Ic | 27 | Nga | 15L+ATIK-490EX |
| VY Sex | 2459944.270 | *1*G | +0.050 | 16787.5 | Ic | 111 | Nga | 15L+ST-402 |
| VY Sex | 2459944.271 | *1*G | +0.051 | 16787.5 | V | 29 | Nga | 15L+ATIK-490EX |
| XX Sex | 2459584.1853 | | +0.0548 | 13459 | Ic | 183 | Nga | 15L+ST-402 |
| XX Sex | 2459623.0721 | | +0.0537 | 13531 | V | 65 | Nga | 15L+ATIK-490EX |
| XX Sex | 2459623.0729 | | +0.0545 | 13531 | Ic | 63 | Nga | 15L+ATIK-490EX |
| XX Sex | 2459938.2298 | *1 | +0.0572 | 14114.5 | V | 86 | Nga | 15L+ATIK-490EX |
| XX Sex | 2459938.2321 | *1 | +0.0595 | 14114.5 | Ic | 91 | Nga | 15L+ATIK-490EX |
| CT Sex | 2459613.1497 | *1 | +0.0117 | 12807.5 | Ic | 148 | Nga | 15L+ST-402 |
| CV Sex | 2459679.0251 | | +0.0059 | 7797 | V | 110 | Ioh | 30SC+ASI294MM |
| CV Sex | 2459679.0254 | | +0.0058 | 7797 | Ic | 122 | Ioh | 30SC+ASI294MM |
| CV Sex | 2459679.0258 | | +0.0066 | 7797 | B | 110 | Ioh | 30SC+ASI294MM |
| CV Sex | 2459679.174 | *1 | +0.005 | 7797.5 | V | 110 | Ioh | 30SC+ASI294MM |
| CV Sex | 2459679.174 | *1 | +0.005 | 7797.5 | Ic | 122 | Ioh | 30SC+ASI294MM |
| CV Sex | 2459679.175 | *1 | +0.006 | 7797.5 | B | 110 | Ioh | 30SC+ASI294MM |
| DE Sex | 2459939.2360 | *1 | +0.0032 | 19520.5 | Ic | 112 | Nga | 15L+ST-402 |
| V375 Sge | 2459809.997 | | -0.055 | 3351 | V | 170 | Ioh | 20SC+ATIK383L |
| V415 Sge | 2459763.1126 | | +0.0028 | 3433 | B | 164 | Ioh | 20SC+ATIK383L |
| V415 Sge | 2459763.1127 | | +0.0029 | 3433 | V | 164 | Ioh | 20SC+ATIK383L |
| V415 Sge | 2459794.095 | | +0.003 | 3512 | V | 164 | Ioh | 20SC+ATIK383L |
| V415 Sge | 2459794.096 | | +0.004 | 3512 | B | 164 | Ioh | 20SC+ATIK383L |
| V415 Sge | 2459795.0757 | *1 | +0.0028 | 3514.5 | B | 53 | Ioh | 20SC+ATIK383L |

| star | min. | | O-C | E | color | n | obs. | inst. |
|-----------|--------------|------|---------|---------|-------|-----|------|----------------|
| V415 Sge | 2459795.0763 | *1 | +0.0034 | 3514.5 | V | 53 | Ioh | 20SC+ATIK383L |
| GR Tau | 2459598.1090 | | -0.0624 | 34954 | V | 344 | Kis | 25SC+QSI632ws |
| V1241 Tau | 2459931.9137 | *1 | +0.0093 | 39355.5 | Ic | 140 | Nga | 15L+ST-402 |
| V1241 Tau | 2459940.970 | *1 | +0.010 | 39366.5 | Ic | 71 | Nga | 15L+ST-402 |
| V1383 Tau | 2459622.9331 | | +0.0054 | 11648 | V | 282 | Suz | 25SC+C3-26000 |
| RZ UMa | 2459613.258 | | -0.009 | 48679 | Ic | 354 | Kis | 28SC+QSI632ws |
| RZ UMa | 2459615.2821 | | -0.0091 | 48685 | Ic | 399 | Kis | 28SC+QSI632ws |
| TY UMa | 2459601.2769 | | +0.1224 | 56605 | V | 258 | Kub | 16L+BJ41L |
| DW UMa | 2459612.0773 | *C | +0.0057 | 97968 | C | 539 | Kis | 28SC+QSI632ws |
| DW UMa | 2459612.2138 | *C | +0.0056 | 97969 | C | 539 | Kis | 28SC+QSI632ws |
| DW UMa | 2459924.2240 | *C | +0.0066 | 100253 | C | 101 | Kis | 28SC+QSI632ws |
| DW UMa | 2459927.230 | *C | +0.007 | 100275 | C | 158 | Kis | 28SC+QSI632ws |
| KM UMa | 2459702.0559 | *K | -0.0645 | 24105 | B | 75 | Ioh | 30SC+ASI294MM |
| KM UMa | 2459702.0559 | *K | -0.0645 | 24105 | V | 75 | Ioh | 30SC+ASI294MM |
| LP UMa | 2459612.0398 | *1*D | -0.0007 | 29418.5 | C | 539 | Kis | 28SC+QSI632ws |
| LP UMa | 2459612.2001 | *D | +0.0047 | 29419 | C | 539 | Kis | 28SC+QSI632ws |
| MS UMa | 2459922.3246 | *1 | -0.1217 | 20367.5 | V | 106 | Ioh | 30SC+ASI294MM |
| MS UMa | 2459922.3249 | *1 | -0.1214 | 20367.5 | B | 106 | Ioh | 30SC+ASI294MM |
| MS UMa | 2459923.3479 | | -0.1244 | 20370 | V | 105 | Ioh | 30SC+ASI294MM |
| MS UMa | 2459923.3480 | | -0.1243 | 20370 | B | 105 | Ioh | 30SC+ASI294MM |
| PW UMa | 2459682.1496 | | -0.1663 | 14505 | B | 125 | Ioh | 30SC+ASI294MM |
| PW UMa | 2459682.1501 | | -0.1658 | 14505 | V | 125 | Ioh | 30SC+ASI294MM |
| PW UMa | 2459682.1515 | | -0.1644 | 14505 | Ic | 113 | Ioh | 30SC+ASI294MM |
| V342 UMa | 2459924.294 | | -0.058 | 19978 | V | 69 | Ioh | 20SC+ATIK383L |
| V342 UMa | 2459924.295 | | -0.057 | 19978 | B | 69 | Ioh | 20SC+ATIK383L |
| V446 UMa | 2459945.1970 | *1 | +0.0969 | 8631.5 | Ic | 96 | Ioh | 30SC+ASI294MM |
| V446 UMa | 2459945.1974 | *1 | +0.0973 | 8631.5 | V | 95 | Ioh | 30SC+ASI294MM |
| V446 UMa | 2459945.1978 | *1 | +0.0977 | 8631.5 | B | 95 | Ioh | 30SC+ASI294MM |
| V466 UMa | 2459582.3495 | | +0.0149 | 4463 | V | 253 | Ioh | 30SC+DSI-II |
| PY Vir | 2459583.2679 | | -0.0698 | 24522 | Ic | 69 | Nga | 15L+ATIK-490EX |
| PY Vir | 2459583.2681 | | -0.0696 | 24522 | V | 69 | Nga | 15L+ATIK-490EX |
| PY Vir | 2459588.2478 | | -0.0699 | 24538 | Ic | 101 | Nga | 15L+ATIK-490EX |
| PY Vir | 2459588.2482 | | -0.0695 | 24538 | V | 102 | Nga | 15L+ATIK-490EX |
| PY Vir | 2459594.3192 | *1 | -0.0679 | 24557.5 | Ic | 100 | Nga | 15L+ATIK-490EX |
| PY Vir | 2459594.3193 | *1 | -0.0678 | 24557.5 | V | 94 | Nga | 15L+ATIK-490EX |
| PY Vir | 2459692.0505 | *1 | -0.0695 | 24871.5 | Ic | 159 | Nga | 15L+ST-402 |
| UY Vir | 2459616.2577 | | -0.8705 | 14839 | V | 170 | Kis | 28SC+QSI632ws |
| AH Vir | 2459679.9920 | *1 | -0.0913 | 34024.5 | B | 101 | Kia | 7.6R+C1x61000 |
| AH Vir | 2459679.9932 | *1 | -0.0901 | 34024.5 | V | 101 | Kia | 7.6R+C1x61000 |
| AH Vir | 2459682.0300 | *1 | -0.0909 | 34029.5 | B | 39 | Kia | 7.6R+C1x61000 |
| AH Vir | 2459682.0315 | *1 | -0.0894 | 34029.5 | V | 39 | Kia | 7.6R+C1x61000 |
| AX Vir | 2459598.296 | *1 | +0.034 | 45589.5 | Ic | 108 | Nga | 15L+ST-402 |
| AW Vir | 2459644.1684 | | +0.0334 | 41304 | Ic | 234 | Nga | 15L+ST-402 |
| AZ Vir | 2459594.3146 | | -0.0175 | 44665 | Ic | 168 | Nga | 15L+ST-402 |
| AZ Vir | 2459638.1987 | *1 | -0.0164 | 44790.5 | Ic | 217 | Nga | 15L+ST-402 |
| BF Vir | 2459625.270 | | +0.125 | 21160 | Ic | 171 | Nga | 15L+ST-402 |
| BH Vir | 2459611.3200 | | -0.0154 | 20053 | Ic | 137 | Nga | 15L+ST-402 |
| BH Vir | 2459627.2495 | *1 | -0.0149 | 20072.5 | Ic | 197 | Nga | 15L+ST-402 |
| BH Vir | 2459636.2346 | *1 | -0.0154 | 20083.5 | Ic | 156 | Nga | 15L+ST-402 |
| BH Vir | 2459645.2203 | *1 | -0.0153 | 20094.5 | Ic | 136 | Nga | 15L+ST-402 |
| BH Vir | 2459654.207 | *1 | -0.014 | 20105.5 | Ic | 180 | Nga | 15L+ST-402 |
| BH Vir | 2459677.0786 | *1 | -0.0150 | 20133.5 | Ic | 87 | Nga | 15L+ST-402 |
| GR Vir | 2459680.0733 | *1 | +0.013 | 34695.5 | Ic | 123 | Nga | 15L+ATIK-490EX |
| GR Vir | 2459680.0735 | *1 | +0.014 | 34695.5 | V | 103 | Nga | 15L+ATIK-490EX |
| GR Vir | 2459725.007 | *1 | +0.033 | 34802.5 | Ic | 105 | Nga | 15L+ST-402 |
| GR Vir | 2459728.9969 | | +0.0352 | 34812 | Ic | 130 | Nga | 15L+ST-402 |

| star | min. | | O-C | E | color | n | obs. | inst. |
|-------------------|--------------|------|---------|----------|-------|-----|------|----------------|
| HT Vir | 2459679.1622 | *I | -0.1824 | 27422 | V | 95 | Kia | 7.6R+C1x61000 |
| HT Vir | 2459679.1623 | *I | -0.1823 | 27422 | Rc | 95 | Kia | 7.6R+C1x61000 |
| HT Vir | 2459679.1632 | *I | -0.1814 | 27422 | B | 95 | Kia | 7.6R+C1x61000 |
| HT Vir | 2459682.2195 | *1*I | -0.1826 | 27429.5 | B | 84 | Kia | 7.6R+C1x61000 |
| HT Vir | 2459682.2197 | *1*I | -0.1824 | 27429.5 | V | 84 | Kia | 7.6R+C1x61000 |
| HT Vir | 2459682.2202 | *1*I | -0.1819 | 27429.5 | Ic | 84 | Kia | 7.6R+C1x61000 |
| HW Vir | 2459601.211 | *1*9 | -0.009 | 118837.5 | Ic | 153 | Nga | 15L+ST-402 |
| HW Vir | 2459601.2170 | *9 | -0.008 | 118838 | Ic | 153 | Nga | 15L+ST-402 |
| LU Vir | 2459613.2702 | *F | -0.1511 | 22576 | Ic | 125 | Nga | 15L+ST-402 |
| MS Vir | 2459598.3002 | *7 | -0.0770 | 35521 | Ic | 43 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459598.3006 | *7 | -0.0766 | 35521 | V | 46 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459601.268 | *1*7 | -0.077 | 35530.5 | V | 39 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459601.269 | *1*7 | -0.076 | 35530.5 | Ic | 40 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459609.235 | *7 | -0.078 | 35556 | V | 48 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459609.236 | *7 | -0.077 | 35556 | Ic | 47 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459616.2649 | *1*7 | -0.0776 | 35578.5 | V | 93 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459616.2660 | *1*7 | -0.0765 | 35578.5 | Ic | 91 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459623.296 | *7 | -0.076 | 35601 | V | 79 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459623.297 | *7 | -0.075 | 35601 | Ic | 82 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459627.1992 | *1*7 | -0.0787 | 35613.5 | Ic | 79 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459627.2001 | *1*7 | -0.0778 | 35613.5 | V | 79 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459663.1340 | *1*7 | -0.0745 | 35728.5 | V | 73 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459663.1341 | *1*7 | -0.0744 | 35728.5 | Ic | 73 | Nga | 15L+ATIK-490EX |
| MS Vir | 2459717.964 | *7 | -0.078 | 35904 | Ic | 70 | Nga | 15L+ATIK-490EX |
| NN Vir | 2459726.9670 | *L | +0.0171 | 15034 | Ic | 92 | Nga | 15L+ST-402 |
| BG Vul | 2459871.4231 | | -0.1700 | 87052 | V | 292 | Kai | 28SC+ST-7XME |
| BG Vul | 2459886.3433 | | -0.1701 | 87089 | V | 242 | Kai | 28SC+ST-7XME |
| BG Vul | 2459889.3683 | *1 | -0.1695 | 87096.5 | V | 219 | Kai | 28SC+ST-7XME |
| BG Vul | 2459891.3844 | *1 | -0.1697 | 87101.5 | V | 259 | Kai | 28SC+ST-7XME |
| BG Vul | 2459894.4083 | | -0.1702 | 87109 | V | 263 | Kai | 28SC+ST-7XME |
| CD Vul | 2459801.0974 | | -0.0039 | 19748 | V | 97 | Ioh | 30SC+ASI294MM |
| CD Vul | 2459801.0976 | | -0.0037 | 19748 | B | 97 | Ioh | 30SC+ASI294MM |
| CD Vul | 2459801.0979 | | -0.0034 | 19748 | Ic | 123 | Ioh | 30SC+ASI294MM |
| V496 Vul | 2459791.0920 | | +0.0078 | 20623 | V | 178 | Ioh | 20SC+ATIK383L |
| V496 Vul | 2459791.093 | | +0.009 | 20623 | B | 178 | Ioh | 20SC+ATIK383L |
| V496 Vul | 2459791.241 | *1 | +0.006 | 20623.5 | B | 178 | Ioh | 20SC+ATIK383L |
| V496 Vul | 2459791.241 | *1 | +0.006 | 20623.5 | V | 178 | Ioh | 20SC+ATIK383L |
| V496 Vul | 2459799.0726 | *1 | +0.0066 | 20649.5 | V | 184 | Ioh | 20SC+ATIK383L |
| V496 Vul | 2459799.0732 | *1 | +0.0072 | 20649.5 | B | 184 | Ioh | 20SC+ATIK383L |
| V496 Vul | 2459799.2234 | | +0.0068 | 20650 | B | 184 | Ioh | 20SC+ATIK383L |
| V496 Vul | 2459799.2244 | | +0.0078 | 20650 | V | 184 | Ioh | 20SC+ATIK383L |
| V513 Vul | 2459833.0785 | | +0.1245 | 5736 | V | 194 | Ioh | 30SC+ASI294MM |
| SvkV170 | 2459604.1750 | *O | -0.0019 | 4452 | C | 257 | Suz | 25SC+C3-26000 |
| NSVS4381532 | 2459891.2642 | *W | -0.1999 | 68769 | B | 125 | Ioh | 30SC+ASI294MM |
| NSVS4381532 | 2459891.2666 | *W | -0.1975 | 68769 | V | 125 | Ioh | 30SC+ASI294MM |
| NSVS4381532 | 2459891.2672 | *W | -0.1969 | 68769 | Ic | 111 | Ioh | 30SC+ASI294MM |
| NSVS6868895 | 2459891.2520 | | | | V | 126 | Ioh | 30SC+ASI294MM |
| NSVS6868895 | 2459891.2524 | | | | Ic | 120 | Ioh | 30SC+ASI294MM |
| NSVS6868895 | 2459891.2525 | | | | B | 126 | Ioh | 30SC+ASI294MM |
| NSVS18455528 | 2459937.222 | *1*Z | -0.034 | 12803.5 | Ic | 67 | Nga | 15L+ATIK-428EX |
| NSVS18455528 | 2459939.211 | *Z | -0.034 | 12808 | Ic | 60 | Nga | 15L+ATIK-428EX |
| ASAS002328-2041.8 | 2459886.9339 | *1*T | +0.0854 | 19335.5 | V | 37 | Nga | 15L+ATIK-428EX |
| ASAS002328-2041.8 | 2459886.9354 | *1*T | +0.0869 | 19335.5 | B | 38 | Nga | 15L+ATIK-428EX |
| ASAS002328-2041.8 | 2459886.9354 | *1*T | +0.0869 | 19335.5 | Ic | 35 | Nga | 15L+ATIK-428EX |
| ASAS002328-2041.8 | 2459919.904 | *T | +0.088 | 19415 | Ic | 37 | Nga | 15L+ATIK-428EX |
| ASAS015937-0331.0 | 2459883.981 | *1*S | -0.020 | 12635.5 | Ic | 60 | Nga | 15L+ST-402 |

| star | min. | | O-C | E | color | n | obs. | inst. |
|-------------------|--------------|-------|---------|---------|-------|-----|------|----------------|
| ASAS034703-0704.2 | 2459936.998 | *1*Y | -0.027 | 21357.5 | Ic | 52 | Nga | 15L+ATIK-428EX |
| ASAS050611-0546.3 | 2459896.1617 | *1*U | +0.1217 | 9354.5 | Ic | 105 | Nga | 15L+ST-402 |
| ASAS050611-0546.3 | 2459924.0853 | *U | +0.1567 | 9387 | Ic | 89 | Nga | 15L+ST-402 |
| ASAS074540+0338.6 | 2459939.148 | *1*Z1 | +0.018 | 13456.5 | Ic | 72 | Nga | 15L+ST-402 |
| ASAS080425-2335.0 | 2459583.1007 | *1*2 | +0.0620 | 22013.5 | V | 87 | Nga | 15L+ATIK-490EX |
| ASAS080425-2335.0 | 2459583.1024 | *1*2 | +0.0637 | 22013.5 | Ic | 85 | Nga | 15L+ATIK-490EX |
| ASAS080425-2335.0 | 2459592.040 | *2 | +0.066 | 22039 | V | 69 | Nga | 15L+ATIK-490EX |
| ASAS080425-2335.0 | 2459592.043 | *2 | +0.069 | 22039 | Ic | 68 | Nga | 15L+ATIK-490EX |
| ASAS080425-2335.0 | 2459596.0701 | *1*2 | +0.0659 | 22050.5 | Ic | 81 | Nga | 15L+ATIK-490EX |
| ASAS080425-2335.0 | 2459596.0703 | *1*2 | +0.0661 | 22050.5 | V | 84 | Nga | 15L+ATIK-490EX |
| ASAS083418-2611.9 | 2459612.069 | *E | -0.025 | 15955 | V | 93 | Nga | 15L+ATIK-490EX |
| ASAS083418-2611.9 | 2459612.069 | *E | -0.025 | 15955 | Ic | 94 | Nga | 15L+ATIK-490EX |
| ASAS083418-2611.9 | 2459613.0353 | *E | -0.0291 | 15957 | V | 94 | Nga | 15L+ATIK-490EX |
| ASAS083418-2611.9 | 2459613.0359 | *E | -0.0285 | 15957 | Ic | 90 | Nga | 15L+ATIK-490EX |
| ASAS083418-2611.9 | 2459631.9630 | *E | -0.0278 | 15996 | Ic | 81 | Nga | 15L+ATIK-490EX |
| ASAS083418-2611.9 | 2459631.9639 | *E | -0.0269 | 15996 | V | 78 | Nga | 15L+ATIK-490EX |
| ASAS093547-1335.2 | 2459584.1865 | *3 | -0.0877 | 21976 | V | 79 | Nga | 15L+ATIK-490EX |
| ASAS093547-1335.2 | 2459584.1868 | *3 | -0.0874 | 21976 | Ic | 79 | Nga | 15L+ATIK-490EX |
| ASAS093547-1335.2 | 2459625.0880 | *1*3 | -0.0864 | 22092.5 | Ic | 76 | Nga | 15L+ATIK-490EX |
| ASAS093547-1335.2 | 2459625.0885 | *1*3 | -0.0859 | 22092.5 | V | 77 | Nga | 15L+ATIK-490EX |
| ASAS110951-0931.7 | 2459600.153 | *1*8 | +0.003 | 19269.5 | V | 66 | Nga | 15L+ATIK-490EX |
| ASAS110951-0931.7 | 2459600.153 | *1*8 | +0.003 | 19269.5 | Ic | 72 | Nga | 15L+ATIK-490EX |
| ASAS110951-0931.7 | 2459601.1547 | *8 | +0.0021 | 19272 | V | 82 | Nga | 15L+ATIK-490EX |
| ASAS110951-0931.7 | 2459601.1552 | *8 | +0.0026 | 19272 | Ic | 83 | Nga | 15L+ATIK-490EX |
| ASAS143340+0750.1 | 2459629.2055 | *1*H | -0.0653 | 20129.5 | Ic | 119 | Nga | 15L+ST-402 |
| ASAS162218-0623.0 | 2459692.1805 | *1*J | +0.0210 | 22832.5 | Ic | 160 | Nga | 15L+ST-402 |

2021 additional reports.

| star | min. | | O-C | E | color | n | obs. | inst. |
|-----------|--------------|----|---------|---------|-------|------|------|----------------|
| BL And | 2459578.9385 | | -0.0041 | 9799 | V | 333 | Ioh | 20SC+ATIK414EX |
| QX And | 2459578.0619 | *1 | -0.1847 | 31063.5 | V | 421 | Ioh | 20SC+ATIK414EX |
| V489 And | 2459552.0047 | | -0.0043 | 15627 | V | 306 | Suz | 25SC+C3-26000 |
| V523 And | 2459528.9532 | | -0.0045 | 15231 | V | 220 | Suz | 25SC+C3-26000 |
| V523 And | 2459529.219 | *1 | -0.003 | 15231.5 | V | 220 | Suz | 25SC+C3-26000 |
| V801 And | 2459516.1971 | | +0.0141 | 12341 | V | 722 | Suz | 25SC+C3-26000 |
| V801 And | 2459578.9953 | *1 | +0.0151 | 12576.5 | V | 391 | Suz | 25SC+C3-26000 |
| CP Ari | 2459574.9259 | | -0.0994 | 13350 | V | 655 | Ioh | 20SC+ATIK414EX |
| CP Ari | 2459575.0903 | *1 | -0.1039 | 13350.5 | V | 655 | Ioh | 20SC+ATIK414EX |
| CX Ari | 2459505.1743 | | -0.0458 | 10003 | V | 210 | Suz | 25SC+C3-26000 |
| CX Ari | 2459508.2180 | *1 | -0.0442 | 10009.5 | V | 369 | Suz | 25SC+C3-26000 |
| DD Ari | 2459559.0291 | | +0.0193 | 9688 | V | 417 | Suz | 25SC+C3-26000 |
| GI Aur | 2459575.2074 | | -0.0004 | 4274 | V | 596 | Ioh | 20SC+ATIK414EX |
| V826 Aur | 2459531.3055 | | -0.0248 | 9890 | V | 492 | Suz | 25SC+C3-26000 |
| V837 Aur | 2459564.2672 | | +0.0007 | 4918 | V | 479 | Ioh | 20SC+ATIK414EX |
| V856 Aur | 2459550.2363 | | -0.0076 | 3596 | V | 662 | Suz | 25SC+C3-26000 |
| V860 Aur | 2459547.2207 | | +0.0995 | 24078 | V | 662 | Suz | 25SC+C3-26000 |
| V860 Aur | 2459547.3249 | *1 | +0.0922 | 24078.5 | V | 662 | Suz | 25SC+C3-26000 |
| MT Cam | 2459553.0235 | *1 | -0.0087 | 19262.5 | V | 494 | Suz | 25SC+C3-26000 |
| MT Cam | 2459553.2056 | | -0.0096 | 19263 | V | 494 | Suz | 25SC+C3-26000 |
| V470 Cam | 2459563.1109 | *1 | +0.0058 | 33691.5 | C | 693 | Suz | 25SC+C3-26000 |
| V470 Cam | 2459563.1589 | | +0.0060 | 33692 | C | 693 | Suz | 25SC+C3-26000 |
| V470 Cam | 2459563.2069 | *1 | +0.0061 | 33692.5 | C | 693 | Suz | 25SC+C3-26000 |
| V470 Cam | 2459563.2547 | | +0.0061 | 33693 | C | 693 | Suz | 25SC+C3-26000 |
| V470 Cam | 2459563.3021 | *1 | +0.0057 | 33693.5 | C | 693 | Suz | 25SC+C3-26000 |
| V541 Cas | 2459538.1628 | | -0.0001 | 2855 | V | 179 | Suz | 25SC+C3-26000 |
| NR Cep | 2459549.9742 | | +0.0044 | 4728 | V | 174 | Suz | 25SC+C3-26000 |
| NO Cnc | 2459559.1454 | | -0.0134 | 7988 | V | 694 | Suz | 25SC+C3-26000 |
| OP Cnc | 2459552.1973 | | +0.0114 | 22976 | V | 364 | Suz | 25SC+C3-26000 |
| OP Cnc | 2459552.331 | *1 | +0.012 | 22976.5 | V | 364 | Suz | 25SC+C3-26000 |
| V608 Cas | 2459563.9812 | *1 | +0.1732 | 6068.5 | V | 873 | Ioh | 30SC+DSI-II |
| V608 Cas | 2459564.1734 | | +0.1752 | 6069 | V | 873 | Ioh | 30SC+DSI-II |
| V1001 Cas | 2459490.9582 | | -0.0030 | 7580 | V | 228 | Suz | 25SC+C3-26000 |
| V1001 Cas | 2459491.1732 | *1 | -0.0026 | 7580.5 | V | 228 | Suz | 25SC+C3-26000 |
| V1001 Cas | 2459492.217 | | -0.023 | 14073 | C | 200 | Suz | 25SC+C3-26000 |
| V1001 Cas | 2459492.279 | *1 | -0.073 | 14073.5 | C | 200 | Suz | 25SC+C3-26000 |
| V1067 Cas | 2459543.0557 | | -0.0825 | 19201 | V | 638 | Suz | 25SC+C3-26000 |
| V1301 Cas | 2459563.9997 | *1 | +0.0880 | 22874.5 | C | 250 | Suz | 25SC+C3-26000 |
| V1303 Cas | 2459532.0321 | *1 | -0.1685 | 21825.5 | V | 224 | Suz | 25SC+C3-26000 |
| IU Cnc | 2459578.2617 | | -0.0290 | 18849 | V | 394 | Ioh | 30SC+DSI-II |
| OQ Cnc | 2459576.3246 | | +0.0204 | 5580 | V | 626 | Ioh | 20SC+ATIK414EX |
| QV Cnc | 2459576.2980 | | +0.0024 | 15697 | V | 420 | Ioh | 30SC+DSI-II |
| BD Gem | 2459579.2709 | | -0.0448 | 19895 | V | 298 | Ioh | 30SC+DSI-II |
| V494 Gem | 2459572.2072 | | +0.0260 | 18181 | V | 1053 | Ioh | 20SC+ATIK414EX |
| V498 Gem | 2459578.9980 | | -0.3308 | 6757 | V | 391 | Suz | 25SC+C3-26000 |
| PT Leo | 2459575.3123 | | -0.0048 | 13502 | V | 320 | Ioh | 30SC+DSI-II |
| RV Lyn | 2459575.2275 | *1 | -1.1402 | 13009.5 | C | 269 | Suz | 25SC+C3-26000 |
| EL Lyn | 2459542.2676 | | +0.1005 | 12304 | V | 583 | Suz | 25SC+C3-26000 |
| FI Lyn | 2459566.2179 | | +0.0152 | 21399 | V | 957 | Ioh | 20SC+ATIK414EX |
| IY Lyn | 2459568.308 | *1 | +0.026 | 11105.5 | C | 770 | Suz | 25SC+C3-26000 |
| IY Lyn | 2459577.1515 | | +0.0129 | 11125 | C | 602 | Suz | 25SC+C3-26000 |
| V2811 Ori | 2459568.1179 | | -0.0202 | 14548 | V | 519 | Ioh | 20SC+ATIK414EX |

2021 additional reports.

| star | min. | | O-C | E | color | n | obs. | inst. |
|-------------------|--------------|-------|---------|---------|-------|-----|------|----------------|
| V560 Peg | 2459510.9298 | | -0.0156 | 14058 | V | 535 | Suz | 25SC+C3-26000 |
| V675 Peg | 2459568.045 | | +0.022 | 14726 | V | 463 | Ioh | 20SC+DSI-II |
| V705 Peg | 2459416.232 | *1 | +0.010 | 3887.5 | V | 99 | Ioh | 30SC+ST-9XE |
| V705 Peg | 2459431.1960 | | +0.0036 | 3929 | V | 174 | Ioh | 30SC+ST-9XE |
| V705 Peg | 2459432.103 | *1 | +0.009 | 3931.5 | V | 160 | Ioh | 30SC+ST-9XE |
| V705 Peg | 2459433.185 | *1 | +0.009 | 3934.5 | V | 152 | Ioh | 30SC+ST-9XE |
| V705 Peg | 2459446.170 | *1 | +0.008 | 3970.5 | V | 139 | Ioh | 30SC+ST-9XE |
| DK Per | 2459489.2218 | | +0.0025 | 18909 | V | 227 | Suz | 25SC+C3-26000 |
| V1411 Tau | 2459543.2629 | | -0.0146 | 19599 | V | 215 | Suz | 25SC+C3-26000 |
| BX Tri | 2459546.9697 | | +0.0581 | 41427 | V | 290 | Suz | 25SC+C3-26000 |
| BX Tri | 2459547.0625 | *1 | +0.0546 | 41427.5 | V | 290 | Suz | 25SC+C3-26000 |
| BX Tri | 2459576.061 | | +0.062 | 41578 | V | 583 | Ioh | 20SC+ATIK414EX |
| CL Tri | 2459541.9609 | | +0.0175 | 13907 | V | 290 | Suz | 25SC+C3-26000 |
| DF Tri | 2459577.0457 | | +0.0128 | 15896 | V | 535 | Ioh | 20SC+ATIK414EX |
| SvkV170 | 2459575.2851 | *1*O | -0.0014 | 4385.5 | C | 269 | Suz | 25SC+C3-26000 |
| ASAS072025+2109.1 | 2459562.2801 | *Z3 | +0.0131 | 5967 | V | 619 | Suz | 25SC+C3-26000 |
| ASAS074829+1904.1 | 2459571.0977 | *1*Z4 | -0.0378 | 19252.5 | C | 635 | Suz | 25SC+C3-26000 |
| ASAS074829+1904.1 | 2459571.2509 | *Z4 | -0.0650 | 19253 | C | 635 | Suz | 25SC+C3-26000 |

Light Elements

1 secondary minimum

2 min=2451869.09 + 0.350419 × E (ASAS-3 catalogue)3 min=2451869.05 + 0.351075 × E (ASAS-3 catalogue)4 min=2451203.74188 + 4.774075 × E (Ribas, 1999)5 min=2448500.0343 + 0.431915 × E (Hipparcos catalogue)6 min=2454429.726 + 0.614050 × E (IBVS 6011)7 min=2448500.196 + 0.31244 × E (Hipparcos catalogue)8 min=2451870.98 + 0.401109 × E (ASAS-3 catalogue)9 min=2445730.5565 + 0.116719582 × E (Cakirli & Devlen 1999))A min=2451501.10674970 + 0.5272429 × E (IBVS 4937)B min=2436549.890 + 0.2043635 × E (Merle F. Walker, IBVS 2)C min=2446229.00696 + 0.13660649 × E (Dhillon et al. (1994))D min=2450495.5212 + 0.30989069 × E (IBVS 5434)E min=2451869.26 + 0.485292 × E (ASAS-3 catalogue)F min=2448500.453 + 0.492247 × E (Hipparcos catalogue)G min=2452500.1065 + 0.44343192 × E (Gazeas,K.D. et. al., 2006AcA,56,127G)H min=2452384.08 + 0.359929 × E (ASAS-3 catalogue)I min=2452083.640 + 0.5022043 × E (IBVS5480)J min=2448501.09 + 2.0487 × E (Hipparcos catalogue)K min=2451220.4869 + 0.351862 × E (IBVS4810)L min=2452500.3046 + 0.4806868 × E (J.M.Kreiner,2004,AA54)M min=2448500.516 + 0.52169 × E (Hipparcos catalogue)N min=2450265.4518 + 1.7631 × E (IBVS 4407)O min=2457670.03891 + 0.4344425 × E (ASASSN catalogue)P min=2451886.073 + 0.308538 × E (ASAS-3 catalogue)Q min=2451868.898 + 0.256486 × E (ASAS-3 catalogue)R min=2444562.4691 + 0.475640 × E (IBVS 5463)S min=2451904.43 + 0.63152 × E (GCVS5.1 02-Feb-2022)T min=2451868.61 + 0.41469 × E (ASAS-3 catalogue)U min=2451868.85 + 0.85811 × E (ASAS-3 catalogue)V min=2447180.3364 + 0.15587490 × E (IBVS 3388)W min=2401598.623546 + 0.8476616 × E (D.I.Hoffman et al. 2008)min=2448510.883 + 13.271 × E (Hipparcos catalogue)Y min=2451869.87 + 0.37772 × E (ASAS-3 catalogue)Z min=2454277.533 + 0.442045 × E (AAVSO VS 26Feb2013)Z1 min=2452027.30 + 0.587956 × E (ASAS-3 catalogue)Z2 min=2452499.182 + 6.728606 × E (M.Ratajczak et. al. 2010)Z3 min=2457640.11546 + 0.3221303 × E (ASASSN-V element)Z4 min=2452623.12 + 0.360889 × E (ASAS-3 catalogue)

Observers

Ioh / Itoh Hiroshi

Kai / Kasai Kiyoshi

Kia / Kimura Naoto

Kis / Kiyota Seiichiro

Kub / Kubotera Katsuaki

Mhh / Maehara Hiroyuki

Nga / Nagai Kazuo

Set / Chris Stephan

Suz / Suzuki Hitoshi

cG magnitude means G plane of DSLR camera.

Ha magnitude means by H alpha filter observations.

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