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**BAV-RESULTS OF OBSERVATIONS - PHOTOELECTRIC MINIMA OF  
SELECTED ECLIPSING BINARIES AND MAXIMA OF PULSATING STARS**

(BAV MITTEILUNGEN NO. 193)

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In this 60th compilation of BAV results, photoelectric observations obtained in the years 2007 are presented on 292 variable stars giving 399 minima on eclipsing binaries and maxima on pulsating stars. All moments of minima and maxima are heliocentric. The errors are tabulated in column '±'. The values in column ' $O - C$ ' are determined without incorporation of nonlinear terms. The references are given in the section 'Remarks'. All information about photometers and filters are specified in the column 'Rem'. The observations were made at private observatories. The photoelectric measurements and all the lightcurves with evaluations can be obtained from the office of the BAV for inspection.

**Table 1: Minima of Eclipsing binaries**

| Variable | Min HJD 24... . | ±     | Obs | $O - C$ | Bibliography | Fil | n   | Rem |
|----------|-----------------|-------|-----|---------|--------------|-----|-----|-----|
| RT And   | 54304.4365      | .0032 | AG  | -0.0038 | s GCVS 85    | -Ir | 23  | 1)  |
| TW And   | 54338.5491      | .0040 | FR  | +2.0333 | GCVS 85      | -Ir | 15  | 7)  |
| XZ And   | 54429.2461      | .0002 | JU  | +0.1654 | GCVS 85      |     | 93  | 2)  |
| AD And   | 54360.4324      | .0006 | AG  | -0.0464 | GCVS 85      | -Ir | 37  | 1)  |
| AP And   | 54360.5174      | .0008 | AG  |         |              | -Ir | 38  | 1)  |
| BD And   | 54390.4269      | .0016 | AG  | +0.0174 | GCVS 85      | -Ir | 39  | 1)  |
| BL And   | 54382.5480      | .0021 | AG  | +0.0139 | s GCVS 85    | -Ir | 56  | 1)  |
|          | 54390.4839      | .0029 | AG  | +0.0037 | s GCVS 85    | -Ir | 37  | 1)  |
| CU And   | 54390.6056      | .0016 | AG  |         |              | -Ir | 37  | 1)  |
| EX And   | 54360.4979      | .0027 | AG  |         |              | -Ir | 37  | 1)  |
| GK And   | 54360.3951      | .0012 | AG  | -0.2879 | GCVS 85      | -Ir | 39  | 1)  |
|          | 54366.4259      | .0005 | AG  | -0.2852 | GCVS 85      | -Ir | 45  | 1)  |
| GZ And   | 54433.3182      | .0010 | JU  | -0.0069 | GCVS 85      |     | 87  | 2)  |
| LO And   | 54360.4212      | .0018 | AG  | +0.0486 | GCVS 85      | -Ir | 38  | 1)  |
|          | 54360.6123      | .0016 | AG  | +0.0492 | s GCVS 85    | -Ir | 38  | 1)  |
| V404 And | 54380.3651      | .0008 | JU  |         |              |     | 86  | 2)  |
|          | 54381.3781      | .0011 | JU  |         |              |     | 143 | 2)  |
| V412 And | 54360.3313      | .0022 | AG  |         |              | -Ir | 39  | 1)  |
|          | 54423.3193      | .0005 | JU  |         |              |     | 100 | 2)  |
| V425 And | 54360.5331      | .0005 | AG  |         |              | -Ir | 21  | 1)  |
|          | 54390.3693      | .0018 | AG  |         |              | -Ir | 36  | 1)  |
| CD Aqr   | 54383.3949      | .0027 | FR  | +0.0591 | GCVS 85      | V   | 35  | 5)  |
| CX Aqr   | 54410.2498      | .0005 | DIE | +0.0085 | GCVS 85      | o   | 23  | 8)  |
| FK Aql   | 54327.4958      | .0013 | AG  | -0.0494 | GCVS 85      | -Ir | 27  | 1)  |

Table 1: (cont.)

| Variable  | Min HJD 24. . . | $\pm$ | Obs | $O - C$ | Bibliography    | Fil | n   | Rem |
|-----------|-----------------|-------|-----|---------|-----------------|-----|-----|-----|
| QY Aql    | 54312.4466      | .0016 | AG  | -0.1623 | GCVS 85         | -Ir | 34  | 1)  |
| V346 Aql  | 54380.4465      | .0008 | WN  | -0.0103 | GCVS 85         | V   | 72  | 10) |
|           | 54389.2972      | .0005 | WN  | -0.0106 | GCVS 85         | V   | 101 | 10) |
| V416 Aql  | 54327.4767      | .0004 | AG  |         |                 | -Ir | 27  | 1)  |
| V417 Aql  | 54326.5044      | .0001 | AG  | -0.0504 | BAVR 33,152ff   | -Ir | 36  | 1)  |
|           | 54327.4272      | .0005 | AG  | -0.0534 | s BAVR 33,152ff | -Ir | 27  | 1)  |
| V609 Aql  | 54389.3821      | .0022 | AG  | -0.0341 | s GCVS 85       | -Ir | 25  | 1)  |
| V724 Aql  | 54297.4885      | .0009 | AG  | -0.0275 | IBVS 3555       | -Ir | 44  | 1)  |
| V761 Aql  | 54314.4620      | .0007 | AG  | +0.0961 | GCVS 85         | -Ir | 28  | 1)  |
|           | 54375.4147      | .0002 | AG  | +0.0962 | GCVS 85         | -Ir | 26  | 1)  |
|           | 54389.3152      | .0019 | AG  | +0.0953 | GCVS 85         | -Ir | 25  | 1)  |
| V803 Aql  | 54325.4462      | .0006 | AG  |         |                 | -Ir | 50  | 1)  |
| V804 Aql  | 54325.4229      | .0011 | AG  |         |                 | -Ir | 53  | 1)  |
| V829 Aql  | 54297.5404      | .0012 | AG  |         |                 | -Ir | 44  | 1)  |
| V970 Aql  | 54327.4718      | .0013 | AG  |         |                 | -Ir | 27  | 1)  |
| V1045 Aql | 54312.5144      | .0006 | AG  |         |                 | -Ir | 35  | 1)  |
|           | 54389.2953      | .0035 | AG  |         |                 | -Ir | 25  | 1)  |
| V1075 Aql | 54312.4118      | .0006 | AG  |         |                 | -Ir | 35  | 1)  |
|           | 54375.4020      | .0031 | AG  |         |                 | -Ir | 26  | 1)  |
|           | 54382.4545      | .0025 | AG  |         |                 | -Ir | 24  | 1)  |
| V1096 Aql | 54377.3405      | .0005 | AG  | -0.2733 | GCVS 85         | -Ir | 20  | 1)  |
|           | 54382.3398      | .0028 | AG  | -0.2752 | s GCVS 85       | -Ir | 24  | 1)  |
| V1097 Aql | 54314.4436      | .0017 | AG  |         |                 | -Ir | 28  | 1)  |
|           | 54382.4512      | .0030 | AG  |         |                 | -Ir | 24  | 1)  |
| V1243 Aql | 54296.3491      | .0017 | AG  |         |                 | -Ir | 33  | 1)  |
| V1299 Aql | 54389.4095      | .0034 | AG  |         |                 | -Ir | 47  | 1)  |
| V1430 Aql | 54389.3923      | .0005 | QU  | -0.0091 | AJ 119,2391     | V   | 68  | 3)  |
| V1538 Aql | 54326.3882      | .0008 | AG  | -0.0763 | BAVM 140        | -Ir | 32  | 1)  |
|           | 54327.4707      | .0034 | AG  | -0.0656 | BAVM 140        | -Ir | 27  | 1)  |
| V1542 Aql | 54314.4436      | .0005 | QU  | +0.0083 | s IBVS 5161     | V   | 85  | 3)  |
| SS Ari    | 54389.3208      | .0004 | DIE | -0.0450 | s GCVS 85       | o   | 22  | 8)  |
| BC Aur    | 54406.355 :     | .002  | FR  | -0.662  | GCVS 85         | V   | 122 | 5)  |
|           | 54455.320 :     | .004  | FR  | -0.656  | s GCVS 85       | V   | 33  | 5)  |
| FR Aur    | 54164.3736      | .0040 | FR  | -0.5263 | GCVS 85         | -Ir | 25  | 7)  |
| V432 Aur  | 54389.670 :     | .001  | FR  | +1.538  | IBVS 5319       | -Ir | 74  | 7)  |
| AC Boo    | 54313.4732      | .0003 | QU  | -0.0498 | s GCVS 85       | Ic  | 59  | 3)  |
| AM CMi    | 54491.3984      | .0010 | QU  | +0.1839 | GCVS 85         | V   | 64  | 3)  |
| AX Cas    | 54367.4688      | .0005 | AG  | -0.0942 | GCVS 85         | -Ir | 61  | 1)  |
|           | 54388.4835      | .0010 | AG  | -0.0927 | GCVS 85         | -Ir | 45  | 1)  |
|           | 54390.2831      | .0012 | JU  | -0.0942 | GCVS 85         |     | 80  | 2)  |
| BN Cas    | 54308.5023      | .0004 | AG  |         |                 | -Ir | 25  | 1)  |
| BS Cas    | 54308.3991      | .0010 | AG  | -0.0153 | IBVS 4778       | -Ir | 21  | 1)  |
|           | 54319.4105      | .0011 | AG  | -0.0157 | IBVS 4778       | -Ir | 20  | 1)  |
| BU Cas    | 54367.3529      | .0016 | AG  | -0.0218 | GCVS 85         | -Ir | 61  | 1)  |
| EN Cas    | 54374.4475      | .0032 | AG  | +0.2854 | GCVS 85         | -Ir | 26  | 1)  |
| GU Cas    | 54374.4400      | .0025 | AG  | -0.3306 | GCVS 85         | -Ir | 25  | 1)  |
| IR Cas    | 54382.5845      | .0013 | AG  | +0.0087 | s GCVS 85       | -Ir | 55  | 1)  |
| IT Cas    | 54363.4056      | .0005 | QU  | +0.0599 | GCVS 85         | V   | 76  | 3)  |
| MV Cas    | 54374.4157      | .0001 | AG  |         |                 | -Ir | 22  | 1)  |
| NN Cas    | 54374.4781      | .0006 | AG  |         |                 | -Ir | 22  | 1)  |
| OR Cas    | 54388.4555      | .0010 | AG  | -0.0201 | s GCVS 85       | -Ir | 40  | 1)  |
| OX Cas    | 54357.4099      | .0007 | QU  | +0.0253 | s GCVS 85       | V   | 86  | 3)  |
|           | 54367.3670      | .0010 | QU  | +0.0250 | s GCVS 85       | V   | 68  | 3)  |
|           | 54388.4781      | .0017 | JU  | +0.0066 | GCVS 85         |     | 84  | 2)  |
|           | 54388.4815      | .0010 | AG  | +0.0100 | GCVS 85         | -Ir | 40  | 1)  |
| PV Cas    | 54327.4053      | .0004 | QU  | -0.0338 | GCVS 85         | V   | 56  | 3)  |
|           | 54356.3195      | .0013 | JU  | +0.0326 | s GCVS 85       | o   | 60  | 2)  |
|           | 54453.4343      | .0005 | QU  | -0.0387 | GCVS 85         | V   | 66  | 3)  |
|           | 54454.3466      | .0005 | QU  | +0.0334 | s GCVS 85       | V   | 85  | 3)  |
| V336 Cas  | 54374.4041      | .0008 | AG  |         |                 | -Ir | 24  | 1)  |

Table 1: (cont.)

| Variable | Min HJD 24. ... | $\pm$ | Obs | $O - C$ | Bibliography   | Fil | n   | Rem |
|----------|-----------------|-------|-----|---------|----------------|-----|-----|-----|
| V345 Cas | 54382.3855      | .0007 | AG  |         |                | -Ir | 56  | 1)  |
| V360 Cas | 54374.3776      | .0003 | AG  |         |                | -Ir | 25  | 1)  |
| V366 Cas | 54388.4234      | .0014 | AG  | -0.0651 | s IBVS 4798    | -Ir | 24  | 1)  |
| V374 Cas | 54374.5153      | .0043 | AG  |         |                | -Ir | 27  | 1)  |
| V375 Cas | 54378.3655      | .0047 | JU  | +0.1988 | BAVR 32,36ff   |     | 21  | 2)  |
|          | 54462.3479      | .0025 | QU  | +0.1986 | BAVR 32,36ff   | V   | 80  | 3)  |
| V381 Cas | 54317.4657      | .0007 | QU  | +0.0144 | s BAVR 32,36ff | V   | 91  | 3)  |
|          | 54366.3507      | .0012 | AG  | +0.0130 | s BAVR 32,36ff | -Ir | 47  | 1)  |
|          | 54455.3928      | .0007 | QU  | +0.0120 | s BAVR 32,36ff | V   | 95  | 3)  |
| V387 Cas | 54319.4450      | .0012 | AG  | +0.0757 | GCVS 85        | -Ir | 20  | 1)  |
|          | 54388.6029      | .0007 | AG  | +0.0806 | GCVS 85        | -Ir | 45  | 1)  |
| V396 Cas | 54366.3791      | .0022 | AG  |         |                | -Ir | 33  | 1)  |
| V427 Cas | 54366.5402      | .0016 | AG  |         |                | -Ir | 34  | 1)  |
| V459 Cas | 54367.2818      | .0009 | AG  | -0.0127 | IBVS 4737      | -Ir | 77  | 1)  |
|          | 54388.3609      | .0006 | AG  | -0.0793 | s IBVS 4737    | -Ir | 46  | 1)  |
| V471 Cas | 54388.4234      | .0015 | SCI | -0.0134 | s GCVS 85      | o   | 29  | 2)  |
|          | 54388.6253      | .0014 | SCI | +0.0205 | GCVS 85        | o   | 25  | 2)  |
| V523 Cas | 54366.2982      | .0026 | AG  | -0.0409 | GCVS 85        | -Ir | 47  | 1)  |
|          | 54366.4144      | .0007 | AG  | -0.0416 | s GCVS 85      | -Ir | 47  | 1)  |
|          | 54366.5319      | .0009 | AG  | -0.0409 | GCVS 85        | -Ir | 47  | 1)  |
| V860 Cas | 54366.4445      | .0002 | AG  |         |                | -Ir | 47  | 1)  |
| SU Cep   | 54382.4856      | .0004 | FR  | +0.0100 | GCVS 85        | -Ir | 31  | 7)  |
| WY Cep   | 54385.3619      | .0010 | AG  | +0.0225 | s GCVS 85      | -Ir | 55  | 1)  |
| XX Cep   | 54364.3851      | .0017 | JU  | -0.0230 | GCVS 85        |     | 75  | 2)  |
| XY Cep   | 54298.4091      | .0007 | AG  | -0.0406 | GCVS 85        | -Ir | 74  | 1)  |
| ZZ Cep   | 54360.3942      | .0007 | JU  | -0.0106 | GCVS 85        | o   | 32  | 2)  |
| AI Cep   | 54382.4797      | .0012 | FR  | +0.1666 | GCVS 85        | -Ir | 31  | 7)  |
| BE Cep   | 54366.4791      | .0008 | AG  |         |                | -Ir | 34  | 1)  |
| BU Cep   | 54385.3590      | .0027 | AG  |         |                | -Ir | 57  | 1)  |
| CW Cep   | 54387.3616      | .0016 | FR  | -0.0064 | GCVS 85        | -Ir | 60  | 7)  |
|          | 54432.3890      | .0012 | JU  | -0.0098 | s GCVS 85      |     | 70  | 2)  |
| DW Cep   | 54384.3026      | .0010 | AG  | +0.4339 | GCVS 85        | -Ir | 46  | 1)  |
| EF Cep   | 54375.3628      | .0011 | AG  | -0.1519 | GCVS 85        | -Ir | 110 | 1)  |
| GS Cep   | 54366.3923      | .0017 | AG  | +0.0647 | GCVS 85        | -Ir | 33  | 1)  |
| IM Cep   | 54338.4893      | .0012 | AG  |         |                | -Ir | 38  | 1)  |
| NW Cep   | 54357.3526      | .0015 | AG  | -0.4231 | GCVS 85        | -Ir | 39  | 1)  |
| Y Cyg    | 54314.4350      | .0031 | WTR | -0.0789 | GCVS 85        | -Ir | 85  | 9)  |
|          | 54314.4370      | .0003 | FR  | -0.0769 | GCVS 85        | -Ir | 40  | 7)  |
|          | 54410.320       | .007  | JU  | -0.077  | GCVS 85        |     | 48  | 2)  |
| SY Cyg   | 54365.3278      | .0006 | AG  |         |                | -Ir | 58  | 1)  |
| AE Cyg   | 54359.5073      | .0004 | AG  | -0.0052 | GCVS 85        | -Ir | 37  | 1)  |
|          | 54363.3841      | .0008 | JU  | -0.0052 | GCVS 85        |     | 61  | 2)  |
| BO Cyg   | 54367.3920      | .0038 | SCI | +0.0847 | GCVS 85        | o   | 86  | 2)  |
|          | 54367.3984      | .0002 | WTR | +0.0911 | GCVS 85        | -Ir | 142 | 9)  |
|          | 54388.4737      | .0007 | QU  | +0.0917 | GCVS 85        | V   | 86  | 3)  |
|          | 54388.4742      | .0008 | FR  | +0.0922 | GCVS 85        | -Ir | 22  | 7)  |
| CG Cyg   | 54338.4117      | .0012 | AG  | +0.0589 | GCVS 85        | -Ir | 36  | 1)  |
|          | 54388.2699      | .0006 | DIE | +0.0570 | GCVS 85        | o   | 22  | 8)  |
| DK Cyg   | 54360.3930      | .0015 | AG  | +0.0498 | BAVR 35,1ff    | -Ir | 35  | 1)  |
| DO Cyg   | 54364.3655      | .0003 | AG  |         |                | -Ir | 65  | 1)  |
| EN Cyg   | 54326.5230      | .0011 | AG  |         |                | -Ir | 21  | 1)  |
| GG Cyg   | 54365.3636      | .0012 | AG  | +0.1246 | GCVS 85        | -Ir | 30  | 1)  |
|          | 54367.3791      | .0036 | FR  | +0.1318 | GCVS 85        | -Ir | 12  | 7)  |
| GV Cyg   | 54312.4833      | .0006 | AG  |         |                | -Ir | 25  | 1)  |
| KR Cyg   | 54313.4927      | .0036 | FR  | +0.0077 | s GCVS 85      | -Ir | 22  | 7)  |
|          | 54338.4286      | .0004 | QU  | +0.0116 | GCVS 85        | V   | 70  | 3)  |
| KV Cyg   | 54366.4142      | .0030 | SCI | +0.0513 | GCVS 85        | o   | 126 | 2)  |
| LO Cyg   | 54356.3690      | .0027 | SCI |         |                | o   | 42  | 2)  |
|          | 54360.4501      | .0038 | SCI |         |                | o   | 72  | 2)  |
|          | 54366.4243      | .0013 | JU  |         |                |     | 117 | 2)  |

Table 1: (cont.)

| Variable  | Min HJD 24. . . | $\pm$ | Obs | $O - C$ | Bibliography  | Fil | n   | Rem |
|-----------|-----------------|-------|-----|---------|---------------|-----|-----|-----|
| LO Cyg    | 54367.3725      | .0015 | JU  |         |               |     | 85  | 2)  |
|           | 54378.3580      | .0021 | SCI |         |               | o   | 36  | 2)  |
|           | 54382.4737      | .0047 | SCI |         |               | o   | 85  | 2)  |
| MR Cyg    | 54337.5270      | .0013 | AG  | +0.0013 | GCVS 85       | -Ir | 28  | 1)  |
| NU Cyg    | 54380.3713      | .0021 | SCI |         |               | o   | 33  | 2)  |
| V385 Cyg  | 54338.4560      | .0011 | AG  | -0.1287 | GCVS 85       | -Ir | 35  | 1)  |
| V387 Cyg  | 54360.4336      | .0017 | AG  | +0.0173 | s GCVS 85     | -Ir | 37  | 1)  |
| V388 Cyg  | 54316.5253      | .0031 | SCI | -0.1368 | BAVR 32,36ff  | o   | 175 | 2)  |
| V398 Cyg  | 54307.4549      | .0028 | SCI |         |               | o   | 18  | 2)  |
| V445 Cyg  | 54317.4805      | .0013 | SCI |         |               | o   | 29  | 2)  |
| V447 Cyg  | 54365.4161      | .0014 | AG  |         |               | -Ir | 29  | 1)  |
| V466 Cyg  | 54298.5030      | .0002 | AG  | +0.0051 | GCVS 85       | -Ir | 29  | 1)  |
| V488 Cyg  | 54313.4696      | .0037 | FR  | +0.0698 | s GCVS 85     | -Ir | 27  | 7)  |
| V493 Cyg  | 54240.5680      | .0030 | SCI | +0.1205 | GCVS 85       | o   | 55  | 2)  |
| V496 Cyg  | 54339.3447      | .0013 | AG  |         |               | -Ir | 32  | 1)  |
| V526 Cyg  | 54357.5429      | .0013 | AG  | +0.0423 | GCVS 85       | -Ir | 56  | 1)  |
| V620 Cyg  | 54360.5110      | .0010 | AG  |         |               | -Ir | 38  | 1)  |
| V628 Cyg  | 54357.4216      | .0008 | AG  | -0.0033 | IBVS 4381     | -Ir | 29  | 1)  |
| V642 Cyg  | 54389.3947      | .0030 | SCI | +0.3097 | GCVS 85       | o   | 52  | 2)  |
| V680 Cyg  | 54364.4335      | .0007 | AG  | +0.0209 | BAVR 32,36ff  | -Ir | 64  | 1)  |
| V711 Cyg  | 54337.4126      | .0048 | AG  |         |               | -Ir | 28  | 1)  |
| V725 Cyg  | 53991.5511      | .0064 | FR  | +0.2672 | s GCVS 85     | -Ir | 40  | 7)  |
|           | 54365.3803      | .0004 | AG  | +0.2386 | GCVS 85       | -Ir | 29  | 1)  |
| V743 Cyg  | 54296.4533      | .0005 | AG  |         |               | -Ir | 36  | 1)  |
|           | 54298.4947      | .0014 | AG  |         |               | -Ir | 28  | 1)  |
|           | 54360.3840      | .0008 | FR  |         |               | V   | 36  | 5)  |
| V909 Cyg  | 54339.5051      | .0016 | AG  | -0.0163 | s BAVR 47,2f  | -Ir | 23  | 1)  |
| V959 Cyg  | 54366.4486      | .0008 | FR  | -0.0455 | GCVS 85       | -Ir | 21  | 7)  |
| V961 Cyg  | 54298.5115      | .0008 | AG  | -0.0887 | s GCVS 85     | -Ir | 28  | 1)  |
| V962 Cyg  | 54326.3665      | .0007 | AG  |         |               | -Ir | 18  | 1)  |
| V965 Cyg  | 54366.5301      | .0104 | FR  |         |               | V   | 40  | 5)  |
| V975 Cyg  | 54339.5311      | .0004 | AG  |         |               | -Ir | 22  | 1)  |
| V979 Cyg  | 54327.4578      | .0003 | FR  | +0.0297 | GCVS 85       | o   | 52  | 7)  |
|           | 54365.3892      | .0006 | FR  | +0.0298 | s GCVS 85     | V   | 93  | 5)  |
|           | 54365.5703      | .0014 | FR  | +0.0240 | GCVS 85       | V   | 93  | 5)  |
|           | 54367.4442      | .0004 | FR  | +0.0294 | GCVS 85       | V   | 53  | 5)  |
|           | 54365.4626      | .0044 | SCI |         |               | o   | 124 | 2)  |
| V995 Cyg  | 54365.4626      | .0044 | SCI |         |               | o   | 124 | 2)  |
| V1004 Cyg | 54339.4707      | .0032 | AG  | -0.1547 | GCVS 85       | -Ir | 19  | 1)  |
| V1013 Cyg | 54298.5203      | .0035 | AG  |         |               | -Ir | 29  | 1)  |
| V1018 Cyg | 54339.4272      | .0015 | AG  | -0.0844 | GCVS 85       | -Ir | 23  | 1)  |
|           | 54365.4057      | .0021 | AG  | -0.0847 | GCVS 85       | -Ir | 31  | 1)  |
| V1136 Cyg | 54365.5417      | .0052 | AG  | +0.4102 | s GCVS 85     | -Ir | 28  | 1)  |
| V1147 Cyg | 54327.5350      | .0004 | FR  |         |               | o   | 49  | 5)  |
|           | 54367.3615      | .0015 | FR  |         |               | V   | 53  | 5)  |
| V1171 Cyg | 54298.4576      | .0008 | AG  | -0.0490 | GCVS 85       | -Ir | 28  | 1)  |
|           | 54339.3941      | .0023 | AG  | -0.0520 | GCVS 85       | -Ir | 22  | 1)  |
| V1411 Cyg | 54312.5167      | .0013 | AG  | -0.1749 | s GCVS 85     | -Ir | 25  | 1)  |
|           | 54337.3742      | .0009 | AG  | -0.1730 | s GCVS 85     | -Ir | 31  | 1)  |
| V1414 Cyg | 54312.4600      | .0009 | AG  |         |               | -Ir | 25  | 1)  |
| V1508 Cyg | 54367.4218      | .0068 | FR  | +0.1776 | s GCVS 85     | -Ir | 21  | 7)  |
| V1723 Cyg | 54360.5432      | .0001 | AG  |         |               | -Ir | 38  | 1)  |
| V1815 Cyg | 54405.3557      | .0003 | WTR | +0.0034 | s BAVR 55,1ff | -Ir | 124 | 9)  |
| V1918 Cyg | 54343.4492      | .0004 | QU  |         |               | V   | 60  | 3)  |
| V2181 Cyg | 54296.4650      | .0007 | AG  | +0.0097 | BAVR 50,45f   | -Ir | 36  | 1)  |
|           | 54312.5221      | .0007 | FR  | +0.0093 | BAVR 50,45f   | -Ir | 35  | 7)  |
| RR Del    | 54308.4971      | .0564 | AG  | +0.3272 | GCVS 85       | -Ir | 17  | 1)  |
| TY Del    | 54357.3902      | .0001 | WTR | +0.0520 | GCVS 85       | -Ir | 113 | 9)  |
| YY Del    | 54313.4304      | .0005 | AG  | +0.0105 | GCVS 85       | -Ir | 22  | 1)  |
|           | 54375.2910      | .0004 | AG  | +0.0099 | GCVS 85       | -Ir | 27  | 1)  |
| AL Del    | 54327.3837      | .0018 | AG  |         |               | -Ir | 46  | 1)  |

Table 1: (cont.)

| Variable  | Min HJD 24... | $\pm$ | Obs | $O - C$ | Bibliography  | Fil | n   | Rem |
|-----------|---------------|-------|-----|---------|---------------|-----|-----|-----|
| AL Del    | 54385.3184    | .0023 | AG  |         |               | -Ir | 25  | 1)  |
| AV Del    | 54313.4899    | .0003 | AG  | +0.0684 | GCVS 85       | -Ir | 25  | 1)  |
| BG Del    | 54381.4017    | .0008 | AG  |         |               | -Ir | 34  | 1)  |
| BH Del    | 54313.3929    | .0015 | AG  |         |               | -Ir | 24  | 1)  |
| BO Del    | 54327.4551    | .0023 | AG  |         |               | -Ir | 40  | 1)  |
| BS Del    | 54385.3014    | .0030 | AG  |         |               | -Ir | 23  | 1)  |
| BW Del    | 54308.5096    | .0001 | AG  |         |               | -Ir | 18  | 1)  |
|           | 54325.4742    | .0006 | AG  |         |               | -Ir | 28  | 1)  |
| BY Del    | 53991.3364    | .0013 | AG  |         |               | -Ir | 42  | 1)  |
|           | 54327.5372    | .0024 | AG  |         |               | -Ir | 55  | 1)  |
| CR Del    | 54313.4321    | .0033 | AG  |         |               | -Ir | 22  | 1)  |
| DM Del    | 54327.3988    | .0013 | AG  | -0.1061 | GCVS 85       | -Ir | 40  | 1)  |
| TZ Dra    | 54318.4417    | .0004 | QU  | -0.0231 | GCVS 85       | V   | 66  | 3)  |
| BE Dra    | 54389.4211    | .0007 | AG  | +0.1309 | GCVS 85       | -Ir | 116 | 1)  |
| BF Dra    | 54389.5933    | .0012 | AG  | +0.0435 | GCVS 85       | -Ir | 116 | 1)  |
| BO Gem    | 54433.4070    | .0008 | FR  |         |               | V   | 34  | 5)  |
| CW Gem    | 54454.3417    | .0034 | FR  | +0.0190 | s BAVM 69     | V   | 48  | 5)  |
| IM Gem    | 54454.5509    | .0016 | FR  |         |               | V   | 78  | 5)  |
| ES Her    | 54368.3449    | .0006 | AG  |         |               | -Ir | 34  | 1)  |
| LV Her    | 54297.4498    | .0008 | AG  | -0.0146 | GCVS 85       | -Ir | 34  | 1)  |
| PW Her    | 54391.4184    | .0050 | AG  | -0.2543 | BAVM 68       | -Ir | 62  | 1)  |
| V342 Her  | 54317.3829    | .0003 | WTR | +0.0147 | GCVS 85       | -Ir | 76  | 9)  |
| V381 Her  | 54297.4702    | .0025 | AG  |         |               | -Ir | 34  | 1)  |
| V387 Her  | 54297.5300    | .0006 | AG  | +0.0779 | s GCVS 85     | -Ir | 34  | 1)  |
| V1052 Her | 54297.5439    | .0008 | AG  |         |               | -Ir | 34  | 1)  |
| V1073 Her | 54368.2663    | .0003 | AG  |         |               | -Ir | 34  | 1)  |
| AW Lac    | 54357.3499    | .0036 | AG  | +0.0345 | s BAVR 35,1ff | -Ir | 38  | 1)  |
| CG Lac    | 54390.4151    | .0039 | AG  |         |               | -Ir | 37  | 1)  |
| CN Lac    | 54312.4526    | .0012 | AG  | -0.0314 | GCVS 85       | -Ir | 25  | 1)  |
| CO Lac    | 54348.4255    | .0011 | JU  | -0.0091 | GCVS 85       | o   | 77  | 2)  |
|           | 54389.3097    | .0011 | JU  | +0.0066 | s GCVS 85     |     | 71  | 2)  |
| CY Lac    | 54357.5236    | .0018 | AG  |         |               | -Ir | 39  | 1)  |
| EK Lac    | 54337.4481    | .0025 | AG  | -0.0050 | GCVS 85       | -Ir | 32  | 1)  |
| EM Lac    | 54357.4775    | .0005 | AG  | +0.0672 | s GCVS 85     | -Ir | 38  | 1)  |
| EO Lac    | 54384.1767    | .0100 | AG  |         |               | -Ir | 51  | 1)  |
| EP Lac    | 54368.3881    | .0012 | AG  | -0.3681 | GCVS 85       | -Ir | 46  | 1)  |
| ES Lac    | 54359.4243    | .0032 | AG  |         |               | -Ir | 46  | 1)  |
|           | 54368.3363    | .0017 | AG  |         |               | -Ir | 33  | 1)  |
| EY Lac    | 54000.5040    | .0200 | AG  |         |               | -Ir | 31  | 1)  |
|           | 54384.3213    | .0020 | AG  |         |               | -Ir | 21  | 1)  |
| FI Lac    | 54384.3232    | .0024 | AG  |         |               | -Ir | 19  | 1)  |
| FL Lac    | 54390.3114    | .0017 | AG  | -0.0615 | GCVS 85       | -Ir | 39  | 1)  |
| GX Lac    | 54366.4544    | .0013 | AG  |         |               | -Ir | 34  | 1)  |
| IP Lac    | 54364.3813    | .0008 | AG  |         |               | -Ir | 65  | 1)  |
|           | 54381.4290    | .0105 | AG  |         |               | -Ir | 27  | 1)  |
| KS Lac    | 54384.4327    | .0017 | AG  |         |               | -Ir | 20  | 1)  |
| MZ Lac    | 53150.4765    | .0020 | AG  | -0.3368 | s GCVS 85     | o   | 17  | 1)  |
|           | 54363.4283    | .0017 | AG  | -0.3623 | s GCVS 85     | -Ir | 17  | 1)  |
| NW Lac    | 54357.3723    | .0011 | AG  |         |               | -Ir | 38  | 1)  |
|           | 54363.4165    | .0009 | AG  |         |               | -Ir | 16  | 1)  |
| PP Lac    | 54359.3951    | .0009 | AG  | -0.0504 | s GCVS 85     | -Ir | 45  | 1)  |
|           | 54359.5939    | .0005 | AG  | -0.0522 | GCVS 85       | -Ir | 45  | 1)  |
| V339 Lac  | 54363.4373    | .0014 | AG  |         |               | -Ir | 16  | 1)  |
| V345 Lac  | 54359.4912    | .0026 | AG  | +0.0841 | GCVS 85       | -Ir | 45  | 1)  |
| TT Lyr    | 54357.4341    | .0007 | JU  | +0.0138 | GCVS 85       | o   | 54  | 2)  |
| UZ Lyr    | 54343.4567    | .0008 | JU  | -0.0239 | GCVS 85       | o   | 70  | 2)  |
| BV Lyr    | 54306.4358    | .0010 | JU  |         |               | o   | 60  | 2)  |
| FT Ori    | 54494.3957    | .0007 | QU  | -0.1188 | s GCVS 85     | V   | 95  | 3)  |
| U Peg     | 54359.3910    | .0016 | ALH | -0.0122 | BAVR 45,3     | o   | 556 | 4)  |
| ZZ Peg    | 54387.4392    | .0022 | FR  | +0.1448 | s GCVS 87     | V   | 46  | 5)  |

Table 1: (cont.)

| Variable   | Min HJD 24. . . | $\pm$ | Obs | $O - C$ | Bibliography   | Fil | n   | Rem |
|------------|-----------------|-------|-----|---------|----------------|-----|-----|-----|
| AT Peg     | 54356.4011      | .0007 | ALH | +0.0238 | GCVS 87        | o   | 384 | 4)  |
| BB Peg     | 54360.3206      | .0004 | DIE | -0.0008 | GCVS 87        | o   | 22  | 8)  |
| BY Peg     | 54382.3404      | .0012 | FR  |         |                | V   | 41  | 5)  |
|            | 54382.5125      | .0017 | FR  |         |                | V   | 41  | 5)  |
|            | 54440.3001      | .0004 | FR  |         |                | V   | 40  | 5)  |
| CC Peg     | 54388.4508      | .0039 | FR  | -0.0147 | s IBVS 5017    | V   | 42  | 5)  |
|            | 54440.2398      | .0015 | FR  | -0.0048 | IBVS 5017      | V   | 63  | 5)  |
| CU Peg     | 54367.5832      | .0012 | AG  |         |                | -Ir | 35  | 1)  |
| DP Peg     | 54367.3956      | .0016 | AG  |         |                | -Ir | 33  | 1)  |
| GH Peg     | 54381.4274      | .0007 | QU  | +0.0054 | GCVS 87        | V   | 86  | 3)  |
| RT Per     | 54452.2871      | .0003 | JU  | +0.0587 | GCVS 87        |     | 80  | 2)  |
| AG Per     | 54450.3227      | .0016 | JU  | +0.1276 | GCVS 87        |     | 87  | 2)  |
| IU Per     | 54453.3739      | .0006 | JU  | +0.0099 | GCVS 87        |     | 99  | 2)  |
| KN Per     | 54462.388       | .008  | WTR | +0.009  | s BAVR 52,93ff | -Ir | 121 | 9)  |
| LS Per     | 54390.4651      | .0004 | AG  |         |                | -Ir | 49  | 1)  |
| V366 Per   | 54390.4871      | .0047 | AG  |         |                | -Ir | 50  | 1)  |
| V449 Per   | 54390.4826      | .0022 | AG  | +0.0462 | GCVS 87        | -Ir | 48  | 1)  |
| V Sge      | 54388.3306      | .0006 | AG  | -0.0456 | GCVS 87        | -Ir | 30  | 1)  |
| SY Sge     | 54325.5419      | .0035 | AG  | +0.1527 | GCVS 87        | -Ir | 28  | 1)  |
| UZ Sge     | 54314.4972      | .0008 | AG  |         |                | -Ir | 28  | 1)  |
|            | 54365.4585      | .0002 | AG  |         |                | -Ir | 45  | 1)  |
|            | 54375.4165      | .0018 | AG  |         |                | -Ir | 28  | 1)  |
| CK Sge     | 54304.4361      | .0015 | AG  |         |                | -Ir | 30  | 1)  |
| CW Sge     | 54375.3398      | .0018 | AG  | +0.0112 | GCVS 87        | -Ir | 27  | 1)  |
| DK Sge     | 54304.3875      | .0016 | AG  |         |                | -Ir | 30  | 1)  |
|            | 54388.3316      | .0011 | AG  |         |                | -Ir | 30  | 1)  |
| DL Sge     | 54314.4553      | .0009 | JU  |         |                | o   | 76  | 2)  |
| FL Sge     | 54389.3930      | .0024 | AG  |         |                | -Ir | 25  | 1)  |
| GN Sge     | 54365.3538      | .0009 | AG  | +0.0010 | s GCVS 87      | -Ir | 44  | 1)  |
| GO Sge     | 54365.3434      | .0031 | AG  |         |                | -Ir | 46  | 1)  |
|            | 54382.3486      | .0015 | AG  |         |                | -Ir | 24  | 1)  |
| DK Sct     | 54319.4127      | .0017 | AG  | +0.0169 | GCVS 87        | -Ir | 27  | 1)  |
| EY Sct     | 54319.5073      | .0038 | AG  |         |                | -Ir | 26  | 1)  |
| CD Tau     | 54432.4747      | .0003 | SIR | +0.0062 | GCVS 87        | -Ir | 787 | 6)  |
| CF Tau     | 54387.6264      | .0044 | SCI | -0.0030 | BAVR 35,1ff    | o   | 99  | 2)  |
| V Tri      | 54381.5324      | .0009 | FR  | -0.0025 | s GCVS 87      | V   | 57  | 5)  |
| RV Tri     | 54390.3176      | .0034 | AG  | -0.0212 | s GCVS 87      | -Ir | 50  | 1)  |
| RR Vul     | 54359.3461      | .0012 | AG  | -0.0691 | GCVS 87        | -Ir | 37  | 1)  |
|            | 54364.3994      | .0002 | WTR | -0.0665 | GCVS 87        | -Ir | 151 | 9)  |
| AT Vul     | 54374.3595      | .0100 | AG  | -0.0778 | GCVS 87        | -Ir | 32  | 1)  |
| AW Vul     | 54388.2726      | .0018 | AG  | +0.3903 | GCVS 87        | -Ir | 31  | 1)  |
| AX Vul     | 54388.3254      | .0008 | AG  | -0.0296 | GCVS 87        | -Ir | 31  | 1)  |
| AY Vul     | 54325.3609      | .0004 | AG  | -0.0719 | GCVS 87        | -Ir | 28  | 1)  |
| BG Vul     | 54367.4997      | .0008 | AG  |         |                | -Ir | 35  | 1)  |
| BM Vul     | 54367.3238      | .0021 | AG  |         |                | -Ir | 36  | 1)  |
|            | 54367.5120      | .0026 | AG  |         |                | -Ir | 36  | 1)  |
| BP Vul     | 54325.3939      | .0021 | AG  | -0.0114 | GCVS 87        | -Ir | 28  | 1)  |
|            | 54388.4173      | .0009 | AG  | -0.0493 | s GCVS 87      | -Ir | 31  | 1)  |
| BS Vul     | 54318.3781      | .0001 | WTR | -0.0217 | GCVS 87        | -Ir | 76  | 9)  |
| BU Vul     | 54338.3608      | .0024 | AG  | +0.0177 | GCVS 87        | -Ir | 35  | 1)  |
|            | 54359.4117      | .0011 | AG  | +0.0159 | GCVS 87        | -Ir | 36  | 1)  |
|            | 54387.2948      | .0006 | DIE | +0.0184 | GCVS 87        | o   | 22  | 8)  |
| CD Vul     | 54339.3458      | .0001 | WTR | -0.0004 | GCVS 87        | -Ir | 70  | 9)  |
| EU Vul     | 54374.3440      | .0005 | AG  |         |                | -Ir | 33  | 1)  |
| FM Vul     | 54339.4518      | .0010 | AG  | +0.0244 | GCVS 87        | -Ir | 20  | 1)  |
| FO Vul     | 54339.4561      | .0039 | AG  |         |                | -Ir | 19  | 1)  |
| FR Vul     | 54339.4133      | .0012 | AG  | -0.0057 | GCVS 87        | -Ir | 17  | 1)  |
| GI Vul     | 54339.5355      | .0009 | AG  |         |                | -Ir | 30  | 1)  |
| G2038.0293 | 54271.4084      | .0001 | FR  | +0.0041 | BAVM 177       | -Ir | 49  | 7)  |
|            | 54318.4708      | .0012 | FR  | +0.0025 | BAVM 177       | -Ir | 42  | 7)  |

Table 1: (cont.)

| Variable       | Min HJD 24... | $\pm$ | Obs | $O - C$ | Bibliography | Fil | n  | Rem |
|----------------|---------------|-------|-----|---------|--------------|-----|----|-----|
| G2038.0293     | 54325.4076    | .0005 | FR  | +0.0036 | BAVM 177     | -Ir | 28 | 7)  |
|                | 54326.3998    | .0009 | FR  | +0.0049 | BAVM 177     | -Ir | 21 | 7)  |
| G2656.4286     | 53611.4344    | .0021 | AG  | -0.0006 | IBVS 5900    | -Ir | 22 | 1)  |
|                | 53612.5615    | .0031 | AG  | +0.0007 | IBVS 5900    | -Ir | 25 | 1)  |
|                | 53620.4400    | .0015 | AG  | -0.0015 | IBVS 5900    | -Ir | 30 | 1)  |
|                | 53637.3236    | .0068 | AG  | -0.0051 | IBVS 5900    | -Ir | 25 | 1)  |
| G3089.1247     | 53992.5225    | .0022 | AG  | -0.0009 | s IBVS 5900  | -Ir | 35 | 1)  |
|                | 54252.3742    | .0025 | FR  |         |              | -Ir | 46 | 7)  |
|                | 54252.5172    | .0006 | FR  |         |              | -Ir | 46 | 7)  |
|                | 54337.4197    | .0012 | FR  |         |              | -Ir | 48 | 7)  |
| G3679.1920     | 54319.4570    | .0016 | AG  |         |              | -Ir | 18 | 1)  |
| U1125-18642389 | 54388.3455    | .0026 | FR  |         |              | V   | 41 | 5)  |
|                | 54440.3548    | .0015 | FR  |         |              | V   | 31 | 5)  |
| U1200-13084491 | 54327.5197    | .0012 | FR  |         |              | o   | 35 | 5)  |
|                | 54367.4664    | .0020 | FR  |         |              | V   | 53 | 5)  |
| U1275-15124020 | 54312.4256    | .0012 | AG  |         |              | -Ir | 26 | 1)  |
|                | 54357.4836    | .0011 | AG  |         |              | -Ir | 30 | 1)  |
| U1275-15134722 | 54357.3494    | .0041 | AG  |         |              | -Ir | 30 | 1)  |

Table 2: Maxima of Pulsating stars

| Variable  | Max HJD 24... | $\pm$ | Obs | $O - C$ | Bibliography | Fil | n   | Rem |
|-----------|---------------|-------|-----|---------|--------------|-----|-----|-----|
| GP And    | 54450.4247    | .0010 | WN  | +0.0059 | GCVS 85      | V   | 51  | 10) |
| V341 Aql  | 54380.3507    | .0012 | WN  | +0.0105 | BAVR 45,74   | V   | 85  | 10) |
| V525 Aql  | 54357.3730    | .0010 | MZ  |         |              | -Ir | 77  | 2)  |
| V921 Aql  | 54365.3608    | .0010 | MZ  |         |              | -Ir | 63  | 2)  |
| RU Boo    | 54218.4004    | .0008 | MZ  |         |              | -Ir | 77  | 2)  |
| YZ Boo    | 54381.2786    | .0008 | WN  | +0.0020 | GCVS 85      | V   | 68  | 10) |
| CU Boo    | 54203.5081    | .0004 | MZ  |         |              | -Ir | 113 | 2)  |
|           | 54316.3729    | .0030 | MZ  |         |              | -Ir | 79  | 2)  |
| RZ Cep    | 54338.523     | .003  | AG  | -0.037  | GCVS 85      | -Ir | 40  | 1)  |
|           | 54385.438     | .003  | AG  | -0.042  | GCVS 85      | -Ir | 55  | 1)  |
| UY Cyg    | 54338.447     | .003  | AG  | +0.057  | GCVS 85      | -Ir | 36  | 1)  |
| XX Cyg    | 54363.3973    | .0012 | WN  | +0.0024 | GCVS 85      | V   | 72  | 10) |
|           | 54380.3901    | .0013 | WN  | +0.0022 | GCVS 85      | V   | 41  | 10) |
|           | 54387.4041    | .0011 | WN  | +0.0032 | GCVS 85      | V   | 135 | 10) |
| DM Cyg    | 54381.3710    | .0014 | WN  | -0.0036 | BAVR 51,98ff | V   | 87  | 10) |
|           | 54389.3471    | .0013 | WN  | -0.0049 | BAVR 51,98ff | V   | 55  | 10) |
| V357 Cyg  | 54359.598     | .003  | AG  |         |              | -Ir | 36  | 1)  |
| V791 Cyg  | 54339.387     | .002  | FR  |         |              | V   | 48  | 7)  |
|           | 54360.3481    | .0020 | FR  |         |              | V   | 12  | 5)  |
| V835 Cyg  | 54359.544     | .003  | AG  |         |              | -Ir | 37  | 1)  |
| V1344 Cyg | 54360.399     | .005  | FR  |         |              | V   | 15  | 5)  |
| V1962 Cyg | 54381.3434    | .0005 | MZ  |         |              | -Ir | 72  | 2)  |
| BX Del    | 54325.564     | .010  | AG  |         |              | -Ir | 28  | 1)  |
| CD Del    | 54327.535     | .003  | AG  |         |              | -Ir | 40  | 1)  |
| CG Del    | 54381.366     | .003  | AG  |         |              | -Ir | 31  | 1)  |
| DX Del    | 54384.3206    | .0017 | WN  | +0.0566 | GCVS 85      | V   | 144 | 10) |
| EF Del    | 54385.460     | .003  | AG  |         |              | -Ir | 23  | 1)  |
| EG Del    | 54385.347     | .002  | AG  | +0.028  | GCVS 85      | -Ir | 23  | 1)  |
| EH Del    | 54385.372     | .003  | AG  |         |              | -Ir | 23  | 1)  |
| VX Her    | 54380.2641    | .0009 | WN  | +0.0420 | GCVS 85      | V   | 53  | 10) |
| VZ Her    | 54348.3575    | .0010 | WN  | +0.0639 | GCVS 85      | V   | 133 | 10) |
|           | 54359.3654    | .0010 | WN  | +0.0636 | GCVS 85      | V   | 141 | 10) |
|           | 54363.3277    | .0009 | WN  | +0.0630 | GCVS 85      | V   | 90  | 10) |
|           | 54366.4094    | .0012 | WN  | +0.0623 | GCVS 85      | V   | 97  | 10) |
| V633 Her  | 53895.3857    | .0002 | MZ  |         |              | -Ir | 72  | 2)  |
| CZ Lac    | 54381.4477    | .0012 | WN  | -0.0589 | BAVR 53,12f  | V   | 105 | 10) |
|           | 54404.3367    | .0024 | WN  | -0.0758 | BAVR 53,12f  | V   | 154 | 10) |

Table 2: (cont.)

| Variable | Max HJD 24. . . | $\pm$ | Obs | $O - C$ | Bibliography | Fil | n   | Rem    |
|----------|-----------------|-------|-----|---------|--------------|-----|-----|--------|
| Y Lyr    | 54299.3904      | .0020 | MZ  |         |              | -Ir | 72  | 2)     |
| RZ Lyr   | 54366.3140      | .0015 | WN  | -0.0066 | BAVR 48,189  | V   | 106 | 10)    |
|          | 54388.3038      | .0015 | WN  | -0.0002 | BAVR 48,189  | V   | 129 | 10)    |
| AQ Lyr   | 54324.4286      | .0010 | MZ  |         |              | -Ir | 84  | 2)     |
| CN Lyr   | 54381.3281      | .0019 | WN  | +0.0019 | BAVR 43,57   | V   | 62  | 10)    |
| CX Lyr   | 54362.4056      | .0004 | MZ  | +0.1511 | BAVR 49,41   | -Ir | 76  | 2)     |
| DI Lyr   | 54366.3467      | .0008 | MZ  |         |              | -Ir | 80  | 2)     |
| LX Lyr   | 54379.3806      | .0004 | MZ  | +0.0044 | BAVR 49,105  | -Ir | 87  | 2)     |
| VV Peg   | 54450.3301      | .0018 | WN  | -0.0253 | GCVS 87      | V   | 143 | 10)    |
| BH Peg   | 54357.3610      | .0012 | ALH | +0.0000 | BAVR 47,67   | o   | 408 | 4)     |
|          | 54387.4691      | .0020 | WN  | -0.0183 | BAVR 47,67   | V   | 136 | 10)    |
| CG Peg   | 54339.4611      | .0005 | QU  | -0.0278 | SAC 72       | V   | 81  | 3)     |
| CV Peg   | 54367.327       | .003  | AG  |         |              | -Ir | 36  | 1)     |
| DY Peg   | 54450.3777      | .0010 | WN  | -0.0065 | GCVS 87      | V   | 43  | 10)    |
| SS Psc   | 54433.4504      | .0007 | QU  | +0.0068 | BAVR 47,67   | V   | 69  | 3)     |
| FI Sge   | 54381.325       | .003  | AG  |         |              | -Ir | 36  | 1)     |
| BT Ser   | 54318.3878      | .0040 | MZ  |         |              | -Ir | 80  | 2)     |
|          | 54326.3679      | .0060 | MZ  |         |              | -Ir | 36  | 2)     |
| XZ Vir   | 54223.3750      | .0003 | MZ  |         |              | -Ir | 61  | 2)     |
| DR Vir   | 54222.4139      | .0040 | MZ  |         |              | -Ir | 133 | 2) red |

**Remarks:**

|                       |   |      |                             |
|-----------------------|---|------|-----------------------------|
| AG:                   | Agerer, F., Tiefenbach                                  | QU:  | Quester, W., Esslingen      |
| ALH:                  | Alich, K., Schaffhausen (CH)                            | SCI: | Schmidt, U., Karlsruhe      |
| DIE:                  | Dietrich, M., Radebeul                                  | SIR: | Schirmer, J., Willisau (CH) |
| FR:                   | Frank, P., Velden                                       | WN:  | Wischnewski, M., Wennigsen  |
| Ju:                   | Jungbluth, Dr. H., Karlsruhe                            | WTR: | Walter, F., München         |
| MZ:                   | Maintz, G., Bonn  |      |                             |
| :                     | uncertain   |      |                             |
| s                     | secondary minimum                                       |      |                             |
| red                   | Normal minimum/maximum                                  |      |                             |
| C                     | CCD-camera  |      |                             |
| o                     | without filter  |      |                             |
| V                     | V-filter  |      |                             |
| Ic                    | I-filter Cousins  |      |                             |
| -Ir                   | -Ir-filter  |      |                             |
| U n n n n             | USNO A2.0 catalogue (U as first character of starname)  |      |                             |
| G n n n n             | GSC (G as first character of starname)                  |      |                             |
| 1)                    | ccd-camera ST-6 chip 375*242 uncoated                   |      |                             |
| 2)                    | ccd-camera ST-7   |      |                             |
| 3)                    | ccd-camera ST-7E  |      |                             |
| 4)                    | ccd-camera ST-8E  |      |                             |
| 5)                    | ccd-camera ST-9 chip                                    |      |                             |
| 6)                    | ccd-camera AlphaMaxi                                    |      |                             |
| 7)                    | ccd-camera OES-LcCCD12                                  |      |                             |
| 8)                    | ccd-camera pictor 1616XT                                |      |                             |
| 9)                    | ccd-camera Pictor 416XT                                 |      |                             |
| 10)                   | ccd-camera Meade DSI Pro 2                              |      |                             |
| GCVS <i>yy</i>        | General Catalogue of Variable Stars, 4th ed. 19yy       |      |                             |
| IBVS <i>n n n n</i>   | Information Bulletin on Variable Stars No. <i>n n n</i> |      |                             |
| SAC <i>vv</i>         | Rocznik Astronomiczny No. <i>vv</i> , Krakow (SAC)      |      |                             |
| AJ                    | Astronomical Journal                                    |      |                             |
| BAVM <i>n n n</i>     | BAV Mitteilungen No. <i>n n n</i>                       |      |                             |
| BAVR <i>vv, p p p</i> | BAV Rundbrief Vol. <i>vv</i> , page <i>p p p</i>        |      |                             |