



# BAV Mitteilungen

---

## BAV-results of observations

Joachim Hübscher, Werner Braune and Peter B. Lehmann  
E-Mail-address: publicat@bav-astro.de

### BAV Mitteilungen No. 226

December 2012

**Abstract:** This 73rd compilation contains especially the results of visual observations of BAV-members mostly from the years 2011 and 2012. Here we publish altogether 224 minima and maxima of 108 eclipsing binaries and pulsating stars, 7 of them have been observed using CCD-Technique. The data were acquired by 16 observers.

We introduce 5 minima timings from 3 eclipsing binaries, 9 maxima from 5 RR-Lyrae-Stars, 10 maxima from 10 cepheids, 111 maxima and minima from 61 mirastars, 80 maxima and minima from 27 semiregular, longperiod and RV-Tauri-stars and 9 maxima and minima from 2 cataclysmic variables.

The results were acquired by 16 observers in Germany and one in Austria mostly in the years 2011 and 2012. All moments of minima and maxima are heliocentric UTC.

This paper contains only unpublished observations. All the lightcurves with evaluations can be obtained from the office of the BAV for inspection.

Please use the following link for an easy access to all the publications of the BAV including the "Lichtenknecker Database of the BAV": <http://www.bav-astro.de/sfs>.

**Table 1 – Eclipsing Binaries**

| <b>Variable</b> |     | <b>JDhel. UTC</b> | <b>Observer</b> | <b>O-C</b> | <b>Source</b> | <b>n</b>  | <b>Remarks</b> |
|-----------------|-----|-------------------|-----------------|------------|---------------|-----------|----------------|
| epsil           | Aur | min 55264.6       | Vohla, F.       |            |               |           | 3,9 mag; 3)    |
|                 |     | „max“ 55398.4     | Vohla, F.       |            |               | 74        | 3,5 mag; 3)    |
|                 |     | min 55603.1       | Vohla, F.       |            |               |           | 3,9 mag; 3)    |
| V566            | Oph | min 55775.465     | :               | Rätz, K.   | -0.025        | GCVS 2009 | 9              |
| V1016           | Ori | min 55969.444     | :               | Wenzel, K. | 0.108         | GCVS 2009 | 5              |

**Table 2 – RR\_Lyrae-Stars**

| <b>Variable</b> |     | <b>JDhel. UTC</b> | <b>Observer</b> | <b>O-C</b>  | <b>Source</b>  | <b>n</b>       | <b>Remarks</b> |
|-----------------|-----|-------------------|-----------------|-------------|----------------|----------------|----------------|
| AA              | Aql | max 51040.416     | Wunder, E.      | -0.003      | BAVM 78        | 15             |                |
| RZ              | Cep | max 53361.411     | Nawrath, G.     | 0.149       | GCVS 2009      | 19             |                |
| RR              | Lyr | max 56110.422     | :               | Strüver, H. | 0.118          | AC 1205.4 1982 | 10             |
|                 |     | max 56111.450     | :               | Strüver, H. | 0.012          | AC 1205.4 1982 | 8              |
|                 |     | max 56120.513     | Strüver, H.     | 0.006       | AC 1205.4 1982 | 8              |                |
|                 |     | max 56124.485     | Strüver, H.     | 0.010       | AC 1205.4 1982 | 10             |                |
|                 |     | max 56162.443     | Strüver, H.     | -0.010      | AC 1205.4 1982 | 12             |                |
| VV              | Peg | max 51040.404     | Wunder, E.      | -0.032      | GCVS 2009      | 13             |                |
| CG              | Peg | max 56155.447     | Wunder, E.      | 0.171       | GCVS 2009      | 16             |                |

**Table 3 – Cepheids**

| <b>Variable</b> |     | <b>JDhel. UTC</b> | <b>Observer</b> | <b>O-C</b> | <b>Source</b> | <b>n</b> | <b>Remarks</b> |
|-----------------|-----|-------------------|-----------------|------------|---------------|----------|----------------|
| LO              | Cam | max 55804.98      | Kriebel, W.     | 0.00       | GCVS 2009     | 56       | )              |
| BP              | Cas | max 55802.07      | Kriebel, W.     | -1.18      | GCVS 2009     | 57       | )              |
| CH              | Cas | max 55804.09      | Kriebel, W.     | 3.75       | GCVS 2009     | 53       | ) normal       |
| CY              | Cas | max 55805.50      | Kriebel, W.     | 0.88       | GCVS 2009     | 56       | ) maxima       |
| SU              | Cyg | max 55819.03      | Vollmann, W.    | 0.00       | GCVS 2009     | 46       | )              |
| V609            | Cyg | max 55814.50      | Kriebel, W.     | 12.15      | GCVS 2009     | 52       | )              |
| S               | Sge | max 55821.90      | Vollmann, W.    | 0.00       | GCVS 2009     | 48       | )              |
| S               | Vul | max 55713.00      | Kriebel, W.     | -4.62      | GCVS 2009     | 96       | )              |
| SV              | Vul | max 55812.70      | Kriebel, W.     | 26.62      | GCVS 2009     | 66       | )              |
| DG              | Vul | max 55794.05      | Kriebel, W.     | 0.39       | GCVS 2009     | 54       | )              |

**Table 4 – Mirastars**

| <b>Variable</b> |     | <b>JDhel</b> | <b>Mag</b> | <b>Observer</b> | <b>n</b>  | <b>Rem</b> | <b>PH</b> | <b>Filter</b> | <b>Error</b> |
|-----------------|-----|--------------|------------|-----------------|-----------|------------|-----------|---------------|--------------|
| R               | And | max 55892    | 7.2        | Vohla, F.       | 38        |            |           |               |              |
| RR              | And | max 55852    | 9.1        | Schubert, M.    | 15        |            |           |               |              |
| TU              | And | max 55890    | 8.6        | Vohla, F.       | 34        |            |           |               |              |
| T               | Aqr | max 55868    | 7.9        | Neumann, J.     | 10        |            |           |               |              |
| R               | Aur | max 55877    | 7.2        | Vohla, F.       | 65        |            |           |               |              |
| X               | Aur | max 55837    | :          | 8.5             | Vohla, F. | 22         |           |               |              |
| UV              | Aur | max 56011    | 7.7        | Neumann, J.     | 9         |            |           |               |              |
|                 |     | max 56027    | :          | 7.7             | Vohla, F. | 36         |           |               |              |
| R               | Boo | max 55700    | 7.5        | Vohla, F.       | 52        |            |           |               |              |
|                 |     | max 55937    | 7.6        | Vohla, F.       | 20        |            |           |               |              |
|                 |     | min 56062    | :          | 12.3            | Vohla, F. | 20         |           |               |              |
| S               | Boo | max 55830    | 8.6        | Vohla, F.       | 47        |            |           |               |              |

Table 4 – Mirastars (cont.)

| Variable |     | JDhel | Mag   | Observer | n            | Rem | PH | Filter | Error          |
|----------|-----|-------|-------|----------|--------------|-----|----|--------|----------------|
| SU       | Cnc | min   | 55984 | 15.5     | Böhme, D.    | 15  | 2) | C      | -Ir<br>± 5.0 d |
| R        | CVn | max   | 55757 | 7.5      | Vohla, F.    | 39  |    |        |                |
| R        | CMi | max   | 55877 | : 6.9    | Neumann, J.  | 8   |    |        |                |
| T        | Cas | max   | 55500 | 7.7      | Winkler, R.  | 14  |    |        |                |
| U        | Cas | max   | 55988 | : 8.9    | Vohla, F.    | 16  |    |        |                |
| V        | Cas | max   | 55586 | 7.05     | Winkler, R.  | 17  |    |        |                |
|          |     | max   | 55812 | 6.9      | Rätz, K.     | 28  |    |        |                |
|          |     | max   | 55818 | 6.9      | Vohla, F.    | 55  |    |        |                |
|          |     | max   | 56045 | 7.5      | Vohla, F.    | 30  |    |        |                |
| W        | Cas | min   | 55778 | 11.6     | Vohla, F.    | 54  |    |        |                |
|          |     | max   | 55985 | 9.0      | Vohla, F.    | 54  |    |        |                |
| V667     | Cas | max   | 55948 | 9.7      | Vohla, F.    | 35  |    |        |                |
| S        | Cep | max   | 55867 | 7.4      | Vohla, F.    | 145 |    |        |                |
| T        | Cep | max   | 55595 | 6.1      | Rätz, K.     | 48  |    |        |                |
|          |     | min   | 55782 | 9.9      | Schubert, M. | 59  |    |        |                |
|          |     | min   | 55789 | 10.2     | Vohla, F.    | 88  |    |        |                |
|          |     | max   | 55983 | 5.7      | Vohla, F.    | 88  |    |        |                |
|          |     | max   | 55985 | : 5.6    | Neumann, J.  | 23  |    |        |                |
| PQ       | Cep | max   | 56013 | 8.2      | Neumann, J.  | 14  |    |        |                |
| omikr    | Cet | max   | 55491 | 2.9      | Winkler, R.  | 19  |    |        |                |
|          |     | max   | 55829 | 2.2      | Rätz, K.     | 33  |    |        |                |
|          |     | max   | 55829 | 2.4      | Sturm, A.    | 15  |    |        |                |
| S        | CrB | max   | 55809 | 7.6      | Vohla, F.    | 50  |    |        |                |
| R        | Cyg | max   | 55670 | 7.6      | Vohla, F.    | 49  |    |        |                |
|          |     | max   | 56088 | 7.7      | Strüver, H.  | 10  |    |        |                |
| U        | Cyg | max   | 55702 | 7.2      | Vohla, F.    | 59  |    |        |                |
|          |     | min   | 55979 | : 11.6   | Vohla, F.    | 59  |    |        |                |
| Z        | Cyg | max   | 55936 | 8.1      | Vohla, F.    | 31  |    |        |                |
| RT       | Cyg | max   | 55621 | 7.4      | Vohla, F.    | 28  |    |        |                |
|          |     | min   | 55717 | 12.0     | Vohla, F.    | 28  |    |        |                |
|          |     | max   | 55808 | 7.3      | Vohla, F.    | 28  |    |        |                |
|          |     | min   | 55916 | : 12.3   | Vohla, F.    | 27  |    |        |                |
|          |     | max   | 56002 | 7.3      | Vohla, F.    | 27  |    |        |                |
| TY       | Cyg | max   | 56028 | 9.9      | Vohla, F.    | 17  |    |        |                |
| BG       | Cyg | max   | 55841 | : 9.1    | Schubert, M. | 20  |    |        |                |
| CN       | Cyg | max   | 55724 | 9.3      | Vohla, F.    | 27  |    |        |                |
|          |     | max   | 55928 | : 9.6    | Vohla, F.    | 15  |    |        |                |
| chi      | Cyg | max   | 55606 | 4.7      | Winkler, R.  | 16  |    |        |                |
|          |     | max   | 56021 | 4.75     | Sturm, A.    | 24  |    |        |                |
|          |     | max   | 56023 | 4.73     | Vollmann, W. | 22  | 1) | C      | V              |
|          |     | max   | 56023 | 5.0      | Vohla, F.    | 51  |    |        |                |
| R        | Gem | max   | 55944 | 7.4      | Vohla, F.    | 29  |    |        |                |
| ST       | Gem | max   | 55874 | : 9.2    | Vohla, F.    | 18  |    |        |                |
| ZZ       | Gem | min   | 55945 | 10.7     | Böhme, D.    | 28  | 2) | C      | -Ir<br>± 7.0 d |
| HV       | Gem | max   | 55876 | 11.6     | Böhme, D.    | 34  | 2) | C      | -Ir<br>± 4.0 d |
| S        | Her | max   | 55768 | 7.3      | Schubert, M. | 24  |    |        |                |
|          |     | max   | 55768 | 7.9      | Vohla, F.    | 30  |    |        |                |
| T        | Her | max   | 55670 | 7.4      | Vohla, F.    | 31  |    |        |                |
|          |     | max   | 55841 | 8.6      | Vohla, F.    | 38  |    |        |                |
|          |     | max   | 56007 | 8.3      | Vohla, F.    | 30  |    |        |                |
| U        | Her | max   | 55937 | 8.1      | Vohla, F.    | 34  |    |        |                |
| W        | Her | max   | 55963 | 7.8      | Vohla, F.    | 29  |    |        |                |
| RS       | Her | max   | 55669 | 8.3      | Vohla, F.    | 31  |    |        |                |

Table 4 – Mirastars (cont.)

| Variable |     | JDhel | Mag    | Observer     | n  | Rem | PH | Filter | Error   |
|----------|-----|-------|--------|--------------|----|-----|----|--------|---------|
| S Lac    | max | 55881 | 8.5    | Vohla, F.    | 20 |     |    |        |         |
|          | max | 55835 | 7.8    | Vohla, F.    | 34 |     |    |        |         |
|          | max | 55836 | 7.8    | Vohla, F.    | 34 |     |    |        |         |
| R Leo    | max | 55704 | 4.95   | Rätz, K.     | 32 |     |    |        |         |
|          | max | 56026 | 6.0    | Sturm, A.    | 17 |     |    |        |         |
|          | max | 56027 | 6.1    | Vohla, F.    | 45 |     |    |        |         |
| W Lyr    | max | 55731 | 8.9    | Vohla, F.    | 42 |     |    |        |         |
|          | max | 55735 | 8.3    | Winkler, R.  | 16 |     |    |        |         |
|          | max | 55912 | : 8.2  | Vohla, F.    | 42 |     |    |        |         |
| Y Mon    | max | 55997 | : 9.5  | Böhme, D.    | 20 | 2)  | C  | -Ir    | ± 8.0 d |
| V562 Mon | max | 55946 | 12.2   | Böhme, D.    | 30 | 2)  | C  | -Ir    | ± 6.0 d |
| X Oph    | min | 55700 | 8.6    | Vohla, F.    | 75 |     |    |        |         |
|          | max | 55867 | : 7.1  | Vohla, F.    | 80 |     |    |        |         |
|          | max | 55900 | 8.1    | Vohla, F.    | 40 |     |    |        |         |
| U Ori    | max | 56017 | 7.0    | Vohla, F.    | 24 |     |    |        |         |
| W Peg    | max | 55868 | 8.1    | Neumann, J.  | 12 |     |    |        |         |
| Z Peg    | max | 5583  | 8.4    | Neumann, J.  | 11 |     |    |        |         |
| RT Peg   | max | 53317 | 10.9   | Marx, H.     | 7  |     |    |        |         |
| U Per    | max | 55925 | 8.0    | Vohla, F.    | 63 |     |    |        |         |
| TW Per   | max | 55945 | : 11.5 | Vohla, F.    | 7  |     |    |        |         |
| R Tau    | max | 55945 | 8.6    | Vohla, F.    | 26 |     |    |        |         |
| V Tau    | max | 55865 | 9.1    | Vohla, F.    | 22 |     |    |        |         |
| R Tri    | max | 55591 | 5.9    | Winkler, R.  | 17 |     |    |        |         |
|          | max | 55856 | 6.0    | Vohla, F.    | 57 |     |    |        |         |
|          | max | 55518 | : 7.8  | Vohla, F.    | 30 |     |    |        |         |
| R UMa    | max | 55835 | 7.1    | Vohla, F.    | 38 |     |    |        |         |
|          | min | 56040 | : 12.8 | Vohla, F.    | 38 |     |    |        |         |
|          | max | 55490 | : 8.0  | Vohla, F.    | 26 |     |    |        |         |
| S UMa    | max | 55703 | 8.2    | Vohla, F.    | 52 |     |    |        |         |
|          | max | 55933 | 7.7    | Vohla, F.    | 36 |     |    |        |         |
|          | min | 56064 | 12.3   | Vohla, F.    | 36 |     |    |        |         |
| T UMa    | max | 55610 | 7.6    | Vohla, F.    | 52 |     |    |        |         |
|          | min | 55804 | 12.4   | Vohla, F.    | 41 |     |    |        |         |
|          | max | 55871 | 7.1    | Vohla, F.    | 0  |     |    |        |         |
| S UMi    | max | 55874 | 6.9    | Neumann, J.  | 16 |     |    |        |         |
|          | max | 55657 | 8.6    | Vohla, F.    | 49 |     |    |        |         |
|          | min | 55798 | 12.5   | Vohla, F.    | 49 |     |    |        |         |
| T UMi    | max | 55984 | 7.9    | Vohla, F.    | 76 |     |    |        |         |
|          | min | 55651 | : 11.9 | Vohla, F.    | 26 |     |    |        |         |
|          | max | 55714 | 10.5   | Vohla, F.    | 26 |     |    |        |         |
| U UMi    | min | 55879 | 12.0   | Vohla, F.    | 26 |     |    |        |         |
|          | max | 55942 | : 10.3 | Vohla, F.    | 26 |     |    |        |         |
|          | max | 55761 | 8.4    | Vohla, F.    | 48 |     |    |        |         |
| R Vir    | max | 55763 | 8.2    | Schubert, M. | 34 |     |    |        |         |
|          | min | 55920 | 11.2   | Vohla, F.    | 48 |     |    |        |         |
| R Vir    | max | 56071 | 6.2    | Vohla, F.    | 23 |     |    |        |         |

**Table 5 – Semiregular, Longperiod and RV-Tauri-Stars**

| Variable |     |     | JDhel | Mag  | Observer    | n           | Rem | PH | Filter | Error   |
|----------|-----|-----|-------|------|-------------|-------------|-----|----|--------|---------|
| UX       | And | max | 55905 | :    | 8.4         | Neumann, J. | 17  |    |        |         |
| VX       | And | min | 55757 | 8.4  | Neumann, J. | 21          |     |    |        |         |
|          |     | max | 55902 | 7.9  | Neumann, J. | 21          |     |    |        |         |
| AQ       | And | min | 55859 | :    | 8.8         | Vohla, F.   | 58  |    |        |         |
|          |     | min | 55887 | 8.7  | Neumann, J. | 16          |     |    |        |         |
| V        | Boo | max | 56018 | 8.1  | Vohla, F.   | 43          |     |    |        |         |
| WZ       | Cas | min | 55597 | :    | 7.0         | Neumann, J. | 9   |    |        |         |
|          |     | max | 55678 | 6.6  | Neumann, J. | 9           |     |    |        |         |
|          |     | min | 55778 | :    | 7.3         | Neumann, J. | 9   |    |        |         |
|          |     | max | 55868 | :    | 6.6         | Neumann, J. | 9   |    |        |         |
| RW       | Cep | max | 55118 | 6.4  | Neumann, J. | 24          |     |    |        |         |
|          |     | min | 55240 | :    | 7.1         | Neumann, J. | 24  |    |        |         |
| μ        | Cep | min | 55921 | :    | 4.0         | Vohla, F.   | 197 |    |        |         |
| W        | Cyg | max | 55943 | 5.9  | Vohla, F.   | 37          |     |    |        |         |
|          |     | min | 56018 | :    | 7.2         | Vohla, F.   | 37  |    |        |         |
| RS       | Cyg | min | 55533 | 9.5  | Vohla, F.   | 30          |     |    |        |         |
|          |     | max | 55799 | 7.4  | Vohla, F.   | 30          |     |    |        |         |
|          |     | min | 55932 | 9.3  | Vohla, F.   | 30          |     |    |        |         |
|          |     | max | 56049 | 7.0  | Strüver, H. | 10          |     |    |        |         |
|          |     | min | 56120 | 8.5  | Strüver, H. | 21          |     |    |        |         |
| RU       | Cyg | max | 55683 | 8.1  | Vohla, F.   | 136         |     |    |        |         |
| AA       | Cyg | min | 55840 | :    | 10.0        | Neumann, J. | 9   |    |        |         |
|          |     | max | 55924 | :    | 8.3         | Neumann, J. | 9   |    |        |         |
| AF       | Cyg | min | 55676 | :    | 7.9         | Vohla, F.   | 26  |    |        |         |
|          |     | max | 55712 | :    | 7.1         | Vohla, F.   | 26  |    |        |         |
|          |     | min | 55744 | :    | 7.6         | Vohla, F.   | 26  |    |        |         |
|          |     | max | 55780 | 6.8  | Vohla, F.   | 26          |     |    |        |         |
|          |     | min | 55851 | 7.7  | Vohla, F.   | 24          |     |    |        |         |
|          |     | max | 55893 | 6.9  | Vohla, F.   | 24          |     |    |        |         |
|          |     | min | 55931 | 7.5  | Vohla, F.   | 24          |     |    |        |         |
|          |     | max | 55962 | 7.1  | Vohla, F.   | 24          |     |    |        |         |
|          |     | min | 56063 | :    | 7.8         | Strüver, H. | 11  |    |        |         |
|          |     | max | 56113 | 7.0  | Strüver, H. | 20          |     |    |        |         |
| S        | Dra | max | 55640 | :    | 8.6         | Vohla, F.   | 28  |    |        |         |
|          |     | min | 55856 | 9.2  | Vohla, F.   | 33          |     |    |        |         |
|          |     | max | 55938 | 8.6  | Vohla, F.   | 33          |     |    |        |         |
|          |     | min | 56040 | :    | 8.9         | Vohla, F.   | 33  |    |        |         |
| RY       | Dra | min | 55564 | :    | 7.8         | Neumann, J. | 15  |    |        |         |
|          |     | max | 55667 | 6.5  | Neumann, J. | 15          |     |    |        |         |
|          |     | max | 55874 | 6.2  | Neumann, J. | 15          |     |    |        |         |
| UX       | Dra | max | 55159 | 6.4  | Neumann, J. | 10          |     |    |        |         |
|          |     | min | 55249 | 6.9  | Neumann, J. | 10          |     |    |        |         |
|          |     | max | 55302 | :    | 6.4         | Neumann, J. | 10  |    |        |         |
|          |     | min | 55395 | :    | 6.9         | Neumann, J. | 10  |    |        |         |
| SS       | Gem | max | 55655 | 8.4  | Vohla, F.   | 26          |     |    |        |         |
| II       | Gem | max | 55881 | 13.6 | Böhme, D.   | 15          | 2)  | C  | -Ir    | ± 4.0 d |
| X        | Her | max | 55727 | :    | 6.1         | Vohla, F.   | 52  |    |        |         |
|          |     | max | 55883 | :    | 6.1         | Vohla, F.   | 59  |    |        |         |
|          |     | min | 55984 | :    | 7.1         | Vohla, F.   | 21  |    |        |         |
|          |     | max | 56024 | :    | 6.2         | Vohla, F.   | 21  |    |        |         |
| SX       | Her | max | 56004 | :    | 8.1         | Vohla, F.   | 25  |    |        |         |
| AC       | Her | min | 55826 | 8.1  | Vohla, F.   | 17          |     |    |        |         |
|          |     | min | 55864 | 8.5  | Vohla, F.   | 17          |     |    |        |         |

**Table 5 – Semiregular, Longperiod and RV-Tauri-Stars (cont.)**

| Variable  |     | JDhel | Mag | Observer | n              | Rem | PH | Filter | Error |
|-----------|-----|-------|-----|----------|----------------|-----|----|--------|-------|
| alpha Ori | max | 54154 | :   | 0.4      | Braune, W.     | 19  |    |        |       |
|           | max | 54598 | :   | 0.45     | Braune, W.     | 10  |    |        |       |
|           | min | 55848 |     | 0.9      | Braune, W.     | 15  |    |        |       |
|           | max | 55973 | :   | 0.2      | Braune, W.     | 14  |    |        |       |
| X Sge     | max | 55854 | :   | 8.3      | Neumann, J.    | 13  |    |        |       |
| R Sct     | min | 55731 |     | 5.75     | Sterzinger, P. | 53  |    |        |       |
|           | min | 55801 |     | 5.75     | Sterzinger, P. | 53  |    |        |       |
| Z UMa     | max | 55697 |     | 7.1      | Vohla, F.      | 67  |    |        |       |
|           | min | 55807 |     | 9.3      | Vohla, F.      | 57  |    |        |       |
|           | max | 55878 | :   | 6.9      | Vohla, F.      | 72  |    |        |       |
|           | min | 55995 |     | 9.3      | Vohla, F.      | 43  |    |        |       |
| RY UMa    | min | 55613 |     | 7.8      | Vohla, F.      | 57  |    |        |       |
|           | max | 55728 | :   | 6.8      | Neumann, J.    | 20  |    |        |       |
|           | max | 55731 |     | 7.1      | Vohla, F.      | 57  |    |        |       |
|           | min | 55861 | :   | 7.8      | Neumann, J.    | 20  |    |        |       |
|           | max | 56016 |     | 7.1      | Vohla, F.      | 77  |    |        |       |
| VY UMa    | min | 54560 |     | 6.3      | Neumann, J.    | 15  |    |        |       |
|           | max | 54637 |     | 5.9      | Neumann, J.    | 15  |    |        |       |
|           | min | 54715 |     | 6.3      | Neumann, J.    | 15  |    |        |       |
|           | max | 54866 | :   | 5.9      | Neumann, J.    | 15  |    |        |       |
|           | min | 55047 |     | 6.4      | Neumann, J.    | 12  |    |        |       |
|           | max | 55104 |     | 6.0      | Neumann, J.    | 12  |    |        |       |
|           | min | 55218 | :   | 6.4      | Neumann, J.    | 12  |    |        |       |
|           | max | 55298 | :   | 5.9      | Neumann, J.    | 12  |    |        |       |
|           | min | 55385 | :   | 6.4      | Neumann, J.    | 20  |    |        |       |
|           | max | 55688 |     | 6.0      | Neumann, J.    | 20  |    |        |       |
| V336 Vul  | max | 55835 |     | 8.1      | Neumann, J.    | 11  |    |        |       |

**Table 6 – Eruptive and Cataclysmic Variables**

| Variable |     | JDhel | Mag | Observer    | n  | Rem | PH | Filter | Error |
|----------|-----|-------|-----|-------------|----|-----|----|--------|-------|
| SS Cyg   | max | 55743 | 8.3 | Vohla, F.   | 14 |     |    |        |       |
|          | max | 55800 | 8.3 | Vohla, F.   | 14 |     |    |        |       |
|          | max | 55867 | 8.2 | Vohla, F.   | 14 |     |    |        |       |
|          | max | 55958 | 8.2 | Vohla, F.   | 14 |     |    |        |       |
|          | max | 56010 | 8.3 | Vohla, F.   | 14 |     |    |        |       |
|          | max | 56067 | 8.2 | Vohla, F.   | 14 |     |    |        |       |
|          | max | 56113 | 8.8 | Vohla, F.   | 14 |     |    |        |       |
| V725 Tau | min | 55246 | 9.4 | Neumann, J. | 13 |     |    |        |       |
|          | max | 55991 | 8.6 | Neumann, J. | 18 |     |    |        |       |

### Remarks for Tables 1 to 6

: uncertain

n number of measurements

PH C := ccd-photometrie / blank := visual observation

Error mean error

1) ccd-camera Meade SDI Pro 3

2) ccd-camera Canon 450D

3) these are three times inside of the minimum. The times one and three are the faintest magnitudes inside the minimum, the second time is a brightening inside of the minimum.

**Correction to BAV Mitteilungen No. 174**

| <b>Variable</b> | <b>JDhel</b> | <b>Observer</b> |             |
|-----------------|--------------|-----------------|-------------|
| RZ Cep          | Max          | 53361,428       | Nawrath, G. |

must be deleted

Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V.(BAV)  
BAV Munsterdamm 90 12169 Berlin Germany zentrale@bav-astro.de  
www.bav-astro.de