

COMMISSIONS 27 AND 42 OF THE IAU
INFORMATION BULLETIN ON VARIABLE STARS

Number 5315

Konkoly Observatory
Budapest
9 September 2002

HU ISSN 0374 – 0676

**MULTICOLOR OBSERVATIONS
OF V838 Mon**

PRICE, A.¹; MATTEI, J.¹; HENDEN, A.²; WEST, D.³; BEDIENT, J.⁴; NELSON, P.¹; SMELCER, L.¹; KLINGLESMTIH, D.¹; LUEDEKE, K.¹; SHERROD, C.¹; O'CONNOR, S.¹; OKSANEN, A.¹; TEMPLETON, M.¹

¹ AAVSO, Clinton B. Ford Astronomical Data and Research Center. 25 Birch St., Cambridge, MA.
e-mail: aavso@aavso.org

² Universities Space Research Association/U.S. Naval Observatory, P.O. Box 1149, Flagstaff, Arizona 86002-1149, USA, e-mail: aah@nofs.navy.mil

³ P.O. Box 517, Derby, KS 67037, USA, e-mail: dwest61506@aol.com

⁴ 1464 Molehu Dr., Honolulu, Hawaii 96818-1917 USA, e-mail: bedient@hawaii.rr.com

| |
|---|
| Name of the object: |
| V838 Mon (GSC 04822-00039, USNO-A2.0 0825-03833116) |

| | |
|--|-----------------|
| Equatorial coordinates: | Equinox: |
| R.A. = 07 ^h 04 ^m 04 ^s 801 DEC. = -03°50'50".77 ±0".3 (Kiyota 2002) | 2000 |

| | |
|------------------|---|
| Detector: | Various AAVSO observer instruments. Details available upon request. |
|------------------|---|

| | |
|-------------------|--|
| Filter(s): | CCD: <i>V, B, I_C, R_C</i> ; PEP: <i>V, B</i> ; Visual |
|-------------------|--|

| |
|---------------------------------------|
| Date(s) of the observation(s): |
| 2001.12.22 – 2002.05.03 |

| | |
|----------------------------|---|
| Comparison star(s): | Finder chart and comparison stars are available at http://charts.aavso.org/ . Comparison stars were based on the Tycho-2 catalog (comparison $V < 10^m5$) and field photometry by Henden (comparison $V > 10^m6$). |
|----------------------------|---|

| |
|---|
| Availability of the data: |
| Available by e-mailing aavso@aavso.org. |

| | |
|-----------------------------|-------|
| Type of variability: | Novae |
|-----------------------------|-------|

Remarks:

The AAVSO has collected 2640 visual, 480 CCD, and 18 PEP observations of V838 Mon over a 135 day period following its discovery on Jan 6.6 (Brown 2002). R band observations plotted prior to the discovery were obtained using the Stardial CCD image archive (McCullough 1997). Figure 1 is CCD + PEP data. Error depends on the observer and is available upon request but typically can be estimated to be $\pm 0^m1$. Figure 2 shows visual data.

Acknowledgements:

The visual observations come courtesy of 195 observers in 29 countries. The complete list of observers is available via the AAVSO Online Light Curve Generator at <http://www.aavso.org/adata/curvegenerator.shtml>. We would also like to thank the following observers for providing supplemental CCD coverage: Rubright, G.; Arnold, J.; Phelps, M.; Mattei, M.; Van Werven, A.; Tikkanen, P.; Gandet, T.; and Hodgson, W.

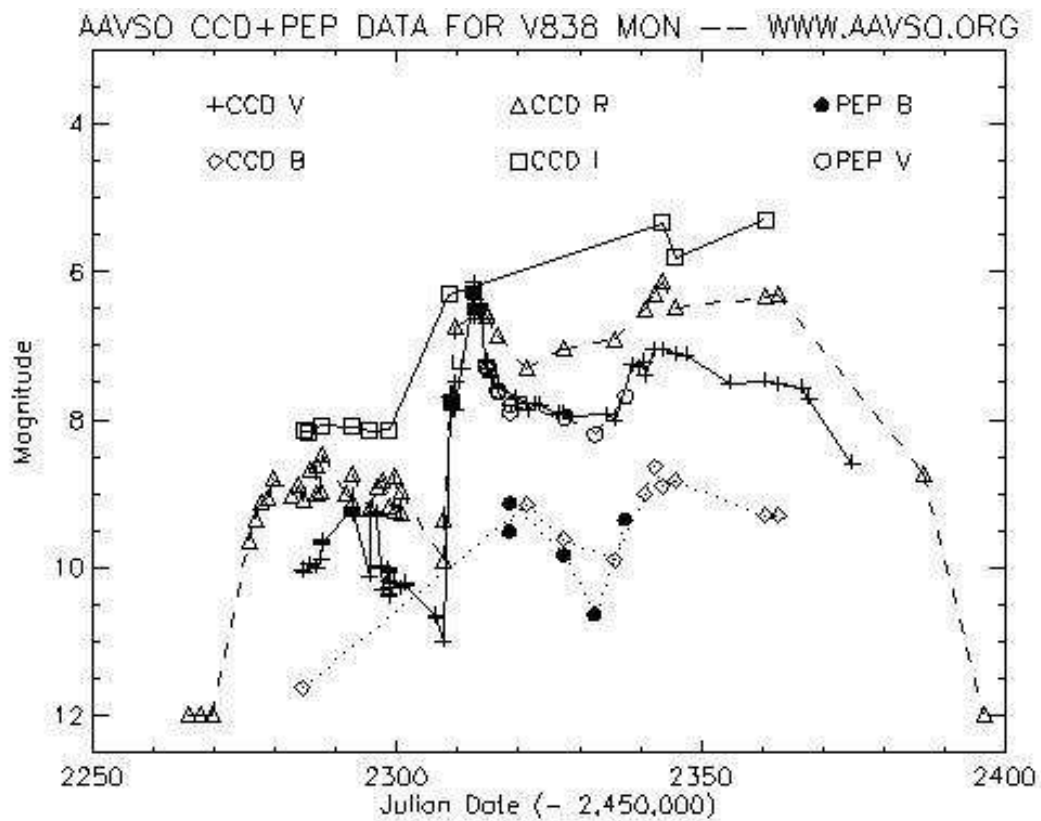


Figure 1. CCD & PEP Data

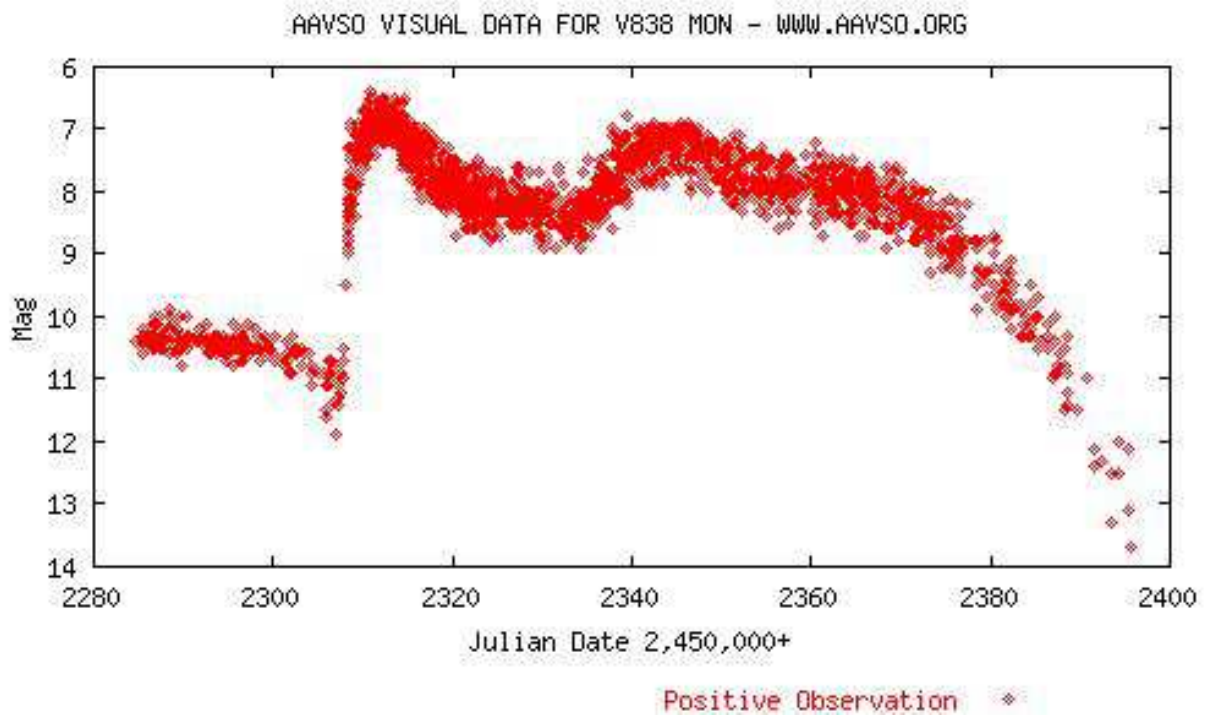


Figure 2. Visual Data

References:

Kiyota, S., 2002, *IAUC*, **7786**

Brown, N. J., 2002, *IAUC*, **7785**

McCullough, P., Thakkar, U., 1997, *Publ. Astron. Soc. Pac.*, **109**, 1264