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OBSERVATIONS OF VARIABLES

The last but one issue of the volume publishes new observations, and results on known variable stars. Figures and data files are available electronically.

Previous reports can be found in IBVS No. 5799.

The Editors

Date: 28 May 2008
Reported by: Udovichenko, S.N. - Astronomical Observatory of Odessa National University, udovich@farlep.net
Name of the object: DM Cyg, V341 Aql, AV Peg, X Ari
Remarks: For four RR Lyr type star: DM Cyg, V341 Aql, AV Peg and X Ari 11 new times of maxima were determined.

Date: 28 May 2008
Reported by: Liakos, A. - National and Kapodistrian Univ. of Athens, Dept. of Astrophysics, Astronomy and Mechanics, alliakos@phys.uoa.gr Niarchos, P. - National and Kapodistrian Univ. of Athens, Dept. of Astrophysics, Astronomy and Mechanics, pniarcho@phys.uoa.gr

Name of the object: GSC 3101-0683
Remarks: Detected in the FOV of V338 Her. Its variability was discovered by ROTSE1 experiment (Akerlof 2000), but no accurate period was given there. Pejcha (2005, 2006) published observations of the system. We report a new period. $\text{Min.I} = 2454610.3476169 + 0.3162897d^*E$

Date: 30 December 2008
Reported by: Liakos, A. - National and Kapodistrian Univ. of Athens, Dept. of Astrophysics, Astronomy and Mechanics, alliakos@phys.uoa.gr Niarchos, P. - National and Kapodistrian Univ. of Athens, Dept. of Astrophysics, Astronomy and Mechanics, pniarcho@phys.uoa.gr
Name of the object: GSC 4833-1209
Remarks: Variability discovered by Henden and Stone (1998). In the field of KR Mon. Type: EA/EB , Ephemeris : Min. I = HJD 2454437.62373 + 0.6968758d * E

Date: 20 January 2009
Reported by: Kinman, T.D. - NOAO, U.S.A., kinman@noao.edu
Name of the object: V391 Mon
Remarks: The GCVS describes V391 Mon as an RRab (phot. amp. 0.4 mag; period 0.4643 days) and identifies it with GSC 4824-01986. Simbad identifies V391 Mon with GSC 4824-00646. Photoelectric observations between 1988 and 1999 showed GSC 4824-01986 to be constant but with a colour ($(B - V) = 0.376$) appropriate for an RRab, while GSC 4824-00646 was slightly variable ($12.70 < B < 12.84$) but too red ($< (B - V) > = 0.70$). The correction for reddening is uncertain, however, so the interpretation of these colours is currently ambiguous. Forty six CCD observations on 11 nights in 2008 of GSC 4824-00646 gave $11.99 < V < 12.12$. The star is probably a short period EW. There is no indication of the 0.4643 d periodicity in the data.

References:

- Akerlof, C. et al., 2000, AJ, 119, 1901
 Anonymous, 2006, IBVS, 5699, (report No. 75. by Pejcha, O.)
 Henden, A.A., Stone, R.C., 1998, AJ, 115, 296
 Pejcha, O., 2005, IBVS, 5645