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OBSERVATIONS OF VARIABLES

Date: 19 October 2009
Reported by: Sipahi, E. - Ege University Observatory, Bornova, Izmir - Turkey, esin.sipahi@mail.ege.edu.tr
Name of the object: KR Cyg
Remarks: Complete stromgren light curves of the eclipsing binary KR Cyg are presented. Light elements were published in Sipahi, 2005. The magnitude and colour differences inside-eclipse minus outside-eclipse are $\Delta b = 0^m911$ $\Delta(b - y) = 0^m044$ $\Delta m_1 = 0^m05$ $\Delta c_1 = -0^m232$ The system is not bright. Thus, scatter in the u light is much more than expected.

Date: 28 April 2010
Reported by: Liakos, A. - Department of Astrophysics, Astronomy and Mechanics, National and Kapodistrian University, Athens, Greece, alliakos@phys.uoa.gr Niarchos, P. - Department of Astrophysics, Astronomy and Mechanics, National and Kapodistrian University, Athens, Greece, pniarcho@phys.uoa.gr
Name of the object: GSC 0199-2035
Remarks: The variability was discovered by ASAS (ASAS J080731+0159.7). In the field of YY CMi and BI CMi. Ephemeris: Min. I = HJD 2455232.2837(6) + 1.01263(3)*E

Date: 28 October 2010
Reported by: Liakos, A. - Department of Astrophysics, Astronomy and Mechanics, National and Kapodistrian University, Athens, Greece, alliakos@phys.uoa.gr Niarchos, P. - Department of Astrophysics, Astronomy and Mechanics, National and Kapodistrian University, Athens, Greece, pniarcho@phys.uoa.gr

Name of the object:
GSC 03208-01986
Remarks:
GSC 03208-01986 = NSVS 6099331 is an Eclipsing Binary of W UMa Type, in the FoV of V407 Lac.

Date: 7 December 2010
Reported by:
Rosario, M. J. - Vainu Bappu Observatory, Indian Institute of Astrophysics, Kavalur 635701, India, mjr@iiap.res.in
Muneer, S. - Indian Institute of Astrophysics, Bangalore 560034, India, muneers@iiap.res.in
Raveendran, A. V. - Indian Institute of Astrophysics, Bangalore 560034, India, avr@iiap.res.in
Mekkaden, M. V. - Indian Institute of Astrophysics, Bangalore 560034, India, mvm@iiap.res.in

Name of the object:
UX Ari
Remarks:
UX Ari was observed on a total of 33 nights during December 2008–February 2010 in standard Johnson BV bands with the 34–cm tel escope of Vainu Bappu Observatory, Kavalur. All the measurements were made with respect to 62 Ari. Each value given in the data file is a mean of 3–4 independent measurements and the typical uncertainty in each value is around 0.01 mag.

Name of the object:
V711 Tau
Remarks:
V711 Tau was observed on a total of 11 nights during January–February 2010 in standard Johnson BV bands with the 34–cm telescope of Vainu Bappu Observatory, Kavalur. All the measurements were made with respect to 10 Tau. Each value given in the data file is a mean of 3–4 independent measurements; the typical uncertainty in each value is around 0.01 mag.

Name of the object:
DM UMa
Remarks:
DM UMa was observed on a total of 17 nights during December 2008–March 2009 in standard Johnson BV bands with the 34–cm telescope of Vainu Bappu Observatory, Kavalur. All the measurements were made with respect to BD+60° 1301. Each value given in the data file is a mean of 3–4 independent measurements; the typical uncertainty in each value is around 0.01 mag.

Date: 17 January 2011
Reported by:
Liakos, A. - Department of Astrophysics, Astronomy and Mechanics, National and Kapodistrian University, Athens, Greece, alliakos@phys.uoa.gr
Niarchos, P. - Department of Astrophysics, Astronomy and Mechanics, National and Kapodistrian University, Athens, Greece, pniarcho@phys.uoa.gr

Name of the object:
GSC 03802-01986
Remarks:
GSC 03802-01986 = TYC 3802-1986-1 = RX J0811.9+5730 = NSVS 2432473 is an Algol type binary in the FoV of SX Lyn.

Date: 19 March 2011
Reported by: Osborn, Wayne H. - Central Michigan University, osbor1wh@cmich.edu
Name of the object: WW Aur
Remarks: A time of minimum has been determined from photoelectric observations made with the Morgan 60-cm reflector at Lowell Observatory in 1983 and using a DDO "48" filter (see McClure, 1979): HJD 2445402.7218 +/- 0.0015.

Date: 20 May 2011
Reported by: Hoffman, D.I. - Infrared Processing and Analysis Center (IPAC), California Institute of Technology, Pasadena, CA 91125, USA, dhoffman@ipac.caltech.edu Monninger, G. - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, gerold.monninger@online.de
Name of the object: GSC 03851-00240
Remarks: GSC 03851-00240 was identified as a variable object and classified into the variable star class 'Short Period Delta Scuti Candidates' (Hoffman et al., 2009). Our observation confirmed the classification for the first time. GSC 03851-00240 is a high amplitude delta scuti variable (HADS), with a modulation in its light curve. The period is 0.067946 d.

References:

- Hoffman, D.I. et al., 2009, AJ, 138, 466
 McClure, R.D., 1979, Dudley Obs. Report, 14, 83
 Sipahi, E., 2005, *IBVS* No. 5635.