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REPORTS ON NEW DISCOVERIES

Date: 27 September 2011			
Observer(s) and affiliation(s): Monninger, G. - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, gerold.monninger@online.de			
RA(J2000) 22 07 15.50	Dec(J2000) +41 11 56.9	type DSCT	Mag. 11.93 (Vmag - GSC2.3)
Period 0.07855(1) d		Epoch 2455805.4193(7)	
Cross-identification(s): GSC 3202-0370 = USNO-A2.0 1275-17055482 = USNO-B1.0 1311-0458390 = Tycho-2 3202-00370-1 = 2MASS 22071548+4111573 = GSC2.3 N2XB000049			

Date: 8 December 2011			
Observer(s) and affiliation(s): Liakos, A. - Department of Astrophysics, Astronomy and Mechanics, National and Kapodistrian University of Athens, Panepistimioupolis, GR-157 84, Zografos, Athens, Hellas, alliakos@phys.uoa.gr Niarchos, P. - Department of Astrophysics, Astronomy and Mechanics, National and Kapodistrian University of Athens, Panepistimioupolis, GR-157 84, Zografos, Athens, Hellas, pniarcho@phys.uoa.gr			

Remark: Detected in the FoV of V482 Per.

RA(J2000) 04 15 44.8	Dec(J2000) +47 29 18.2	type DSCT	Mag. B=10.677 mag (The Hipparcos and Ty- cho Catalogues)
Period 1.08095 h		Epoch -	
Cross-identification(s): GSC 3332-0388 = TYC 3332-0388-1 = USNO-A2.0 1350-04385880			

Remark: Detected in the FoV of TW Lac and V413 Lac

RA(J2000) 22 30 02.3	Dec(J2000) +54 46 57.9	type DSCT	Mag. B=13.9 mag (The USNO-A2.0 Catalogue)
Period 1.27973 h		Epoch -	
Cross-identification(s): GSC 3987-1298 = USNO-A2.0 1425-13529111			

Remark: Detected in the FoV of QX And

RA(J2000) 01 57 12.04	Dec(J2000) +37 54 35.9	type DSCT	Mag. R=15.5 mag (The USNO-A2.0 Catalogue)
Period 2.792904 h		Epoch -	
Cross-identification(s): USNO-A2.0 1275-01165814			

Date: 13 January 2012
Observer(s) and affiliation(s): Martignoni, Massimiliano - Stazione Astronomica Betelgeuse, Magnago, Milano, Italy, massimiliano.martignoni@alice.it

Remark: UCAC3 276-106147 is an EW type eclipsing binary in the field of view of TV Lyn.

RA(J2000) 07 34 16.6	Dec(J2000) 47 54 02.4	type EW	Mag. 14.15-14.75 (V)
Period 0.3150905d		Epoch 2455933.5083	
Cross-identification(s): UCAC3 276-106147			

Date: 20 February 2012
Observer(s) and affiliation(s): Monninger, G. - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, gerold.monninger@online.de

Remark: In the field of the high amplitude delta scuti variable (HADS) GSC 01924-01134 (this IBVS issue, Monninger, 2011). USNO-B1.0 1191-0155860 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010). A modulation in the light curve was observed.

RA(J2000) 07 44 07.84	Dec(J2000) +29 08 20.12	type RRab	Mag. 15.92 (Vmag - GSC2.3)
Period 0.45283(1) d		Epoch 2455887.611(1)	
Cross-identification(s): USNO-B1.0 1191-0155860 = USNO-A2.0 1125-05322478 = 2MASS 07440785+2908199 = GSC2.3 N8R3014149			

Date: 4 June 2012
Observer(s) and affiliation(s): Hümmerich, Stefan - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, ernham@rz-online.de Bernhard, Klaus - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, klaus.bernhard@liwest.at

Remark: GSC 02504-01101 (2MASS J-K = 0.264) has been identified as a double-mode RR Lyrae (RRd) star by analysis of CRTS data (Drake et al., 2009) with Period04 (Lenz et al., 2005):

	frequency (c/d)	semi-amplitude (mag)	
F1	2.9274089	0.1759	(first overtone)
F2	2.1747158	0.1423	(fundamental)
F3	5.1021296	0.0564	(F1+F2)
F4	4.3494536	0.0419	(2F2)

With a fundamental period of 0.4598 d, the star is near the lower edge of known RRd stars in the Petersen diagram; the ratio F2/F1=0.743 is in agreement with other RRd variables. GSC 02504-01101 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 09 40 51.026	Dec(J2000) +34 52 05.32	type RRd	Mag. 14.69 (Vmag - GSC)
Period 0.4598 d		Epoch -	
Cross-identification(s): GSC 02504-01101 = USNO-B1.0 1248-0174773 = 2MASS J09405102+3452053 = WISE J094051.03+345205.3 = CSS_J094051.0+345205			

Date: 12 June 2012
Observer(s) and affiliation(s): Bernhard, Klaus - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, klaus.bernhard@liwest.at Hümmerich, Stefan - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, ernham@rz-online.de

Remark: USNO-B1.0 1221-0206959 (2MASS J-K = 0.119) has been identified as a double-mode RR Lyrae (RRd) star by analysis of CRTS data (Drake et al., 2009) with Period04 (Lenz et al., 2005):

	frequency (c/d)	semi-amplitude (mag)	
F1	2.66122	0.1944	(first overtone)
F2	1.98192	0.1006	(fundamental)
F3	5.32245	0.0424	(2F1)
F4	4.64316	0.0443	(F1+F2)

Analysis and folded lightcurves were based on CRTS data from HJD 2453481 to 2455358 as the period is possibly variable. With a fundamental period of 0.50456 d, the star is situated in the middle of the Petersen diagram; the ratio F1/F2=0.745 is in agreement with other RRd variables. USNO-B1.0 1221-0206959 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 09 30 44.097	Dec(J2000) +32 09 16.83	type RRd	Mag. 15.27 (Vmag - NOMAD)
Period 0.50456 d		Epoch -	
Cross-identification(s): USNO-B1.0 1221-0206959 = UCAC3 245-100368 = 2MASS J09304409+3209168 = WISE J093044.10+320917.1 = CSS_J093044.1+320916			

Date: 23 July 2012
Observer(s) and affiliation(s): Nelson, R.H. - Sylvester Robotic Observatory, Prince George, BC, Canada, bob.nelson@shaw.ca Lubcke, G. - 1400 E Washington Ave, Madison, WI 53703, lubcke@tds.net

Remark: In the vicinity of V471 Cas.

RA(J2000) 01 32 32.8	Dec(J2000) +55 15 26.23	type EW	Mag. 13.43 (R mag = GSC2.3)
Period 0.2409532(2)		Epoch 2455937.5483(12)	
Cross-identification(s): GSC 3674-1587			

Date: 15 August 2012
Observer(s) and affiliation(s): Bernhard, Klaus - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, klaus.bernhard@liwest.at Hümmerich, Stefan - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, ernham@rz-online.de

Remark: USNO-B1.0 1220-0275842 (2MASS J-K = 0.193) has been identified as a double-mode RR Lyrae (RRd) star by analysis of CRTS data (Drake et al., 2009) with Period04 (Lenz et al., 2005):

	frequency (c/d)	period (d)	semi-amplitude (mag)	epoch (max)	
F1	2.857841	0.349914	0.196	2456018.599	(first overtone)
F2	2.124844	0.470622	0.170	2456018.684	(fundamental)

With a fundamental period of 0.470622 d, the star is near the lower edge of known RRd stars in the Petersen diagram; the ratio F2/F1=0.7435 is in agreement with other RRd variables. No linear combination modes could be found in the data. USNO-B1.0 1220-0275842 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 15 16 09.239	Dec(J2000) +32 00 07.27	type RRd	Mag. 15.77 - 16.45 (CV - CRTS)
Period 0.470622 d		Epoch -	
Cross-identification(s): USNO-B1.0 1220-0275842 = UCAC4 611-051459 = 2MASS J15160921+3200073 = WISE J151609.21+320007.3 = CSS_J151609.2+320007			

Date: 15 August 2012
Observer(s) and affiliation(s): Hümmerich, Stefan - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, ernham@rz-online.de Bernhard, Klaus - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, klaus.bernhard@liwest.at

Remark: GSC 02015-00233 (2MASS J-K = 0.225) has been identified as a double-mode RR Lyrae (RRd) star by analysis of CRTS data (Drake et al., 2009) with Period04 (Lenz et al., 2005):

	frequency (c/d)	period (d)	semi-amplitude (mag)	epoch (max)	
F1	2.709041	0.369134	0.187	2456042.399	(first overtone)
F2	2.01935	0.495208	0.062	2456042.233	(fundamental)

With a fundamental period of 0.495208 d, the star is situated in the middle of known RRd stars in the Petersen diagram; the ratio F2/F1=0.745 is in agreement with other RRd variables. No linear combination modes could be found in the data. GSC 02015-00233 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 14 31 30.858	Dec(J2000) +22 50 23.37	type RRd	Mag. 15.34 - 15.87 (CV - CRTS)
Period 0.495208 d		Epoch -	
Cross-identification(s): GSC 02015-00233 = USNO-B1.0 1128-0282033 = UCAC4 565-051392 = 2MASS J14313085+2250234 = WISE J143130.85+225023.3 = CSS_J143130.9+225023			

Date: 15 August 2012
Observer(s) and affiliation(s): Hümmerich, Stefan - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, ernham@rz-online.de Drake, A.J. - Catalina Real-Time Transient Survey

Remark: UCAC4 position. J-K=0.216 (2MASS). Rise duration: 39%. USNO-B1.0 1185-0218778 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 14 20 31.084	Dec(J2000) +28 31 25.59	type RRc	Mag. 14.98 - 15.50 (CV)
Period 0.291608 d		Epoch 2453479.80	
Cross-identification(s): USNO-B1.0 1185-0218778 = UCAC4 593-052447 = 2MASS J14203110+2831255 = WISE J142031.08+283125.6 = CSS_J142031.1+283125			

Remark: UCAC4 position. J-K=0.339 (2MASS). Rise duration: 11%. USNO-B1.0 1047-0235244 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 14 36 37.890	Dec(J2000) +14 47 49.16	type RRab	Mag. 15.17 - 16.13 (CV)
Period 0.523764 d		Epoch 2455365.745	
Cross-identification(s): USNO-B1.0 1047-0235244 = UCAC4 524-056277 = 2MASS J14363788+1447491 = WISE J143637.88+144749.1 = CSS_J143637.9+144749			

Remark: UCAC4 position. J-K=0.556 (2MASS). Rise duration: 13%. USNO-B1.0 1014-0232010 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 14 45 59.525	Dec(J2000) +11 28 07.26	type RRab	Mag. 15.52 - 16.60 (CV)
Period 0.499028 d		Epoch 2454515.932	
Cross-identification(s): USNO-B1.0 1014-0232010 = UCAC4 508-058222 = 2MASS J14455953+1128071 = WISE J144559.53+112807.1 = CSS_J144559.5+112807			

Remark: 2MASS position. J-H=0.084 (2MASS; J-H value given as Kmag is flagged as being of bad quality.) Rise duration: 15%. USNO-B1.0 1138-0226755 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 15 35 21.609	Dec(J2000) +23 53 50.07	type RRab	Mag. 15.60 - 16.62 (CV)
Period 0.526759 d		Epoch 2453560.740	
Cross-identification(s): USNO-B1.0 1138-0226755 = 2MASS J15352160+2353500 = WISE J153521.60+235350.1 = CSS_J153521.6+235350			

Remark: UCAC4 position. $J-K=0.277$ (2MASS). Rise duration: 14%. USNO-B1.0 1060-0220956 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 14 26 44.107	Dec(J2000) +16 04 57.82	type RRab	Mag. 15.00 - 16.14 (CV)
Period 0.457791 d		Epoch 2455351.779	
Cross-identification(s): USNO-B1.0 1060-0220956 = UCAC4 531-055289 = 2MASS J14264411+1604579 = WISE J142644.11+160457.8 = CSS_J142644.1+160457			

Remark: UCAC4 position. $J-K=0.291$ (2MASS). Rise duration: 13%. USNO-B1.0 1360-0241542 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 14 47 06.527	Dec(J2000) +46 02 13.79	type RRab	Mag. 14.49 - 15.66 (CV)
Period 0.481240 d		Epoch 2454905.952	
Cross-identification(s): USNO-B1.0 1360-0241542 = UCAC4 681-055635 = 2MASS J14470651+4602136 = WISE J144706.53+460213.7 = CSS_J144706.6+460213			

Date: 14 January 2013
Observer(s) and affiliation(s): Hümmerich, S. - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, ernham@rz-online.de

Remark: GSC 00330-01491 has been identified as an RRc star by analysis of CRTS data (Drake et al., 2009). UCAC4 position. $J - K = 0.073$ (2MASS; Skrutskie et al., 2006). Rise duration: 47GSC 00330-01491 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 14 59 54.942	Dec(J2000) +04 44 26.04	type RRc	Mag. 14.26 - 14.67 (CV)
Period 0.352039 d		Epoch 2453904.783	
Cross-identification(s): GSC 00330-01491 = USNO-B1.0 0947-0233808 = UCAC4 474-052391 = 2MASS J14595492+0444259 = WISE J145954.93+044425.9 = CSS_J145954.9+044426			

Remark: USNO-B1.0 0994-0247663 has been identified as an RRc star by analysis of CRTS data (Drake et al., 2009). UCAC4 position. $J - K=0.265$ (2MASS; Skrutskie et al., 2006). Rise duration: 39USNO-B1.0 0994-0247663 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 15 47 24.001	Dec(J2000) +08 44 34.63	type RRab	Mag. 14.72 - 15.83 (CV)
Period 0.501280 d		Epoch 2453818.922	
Cross-identification(s): USNO-B1.0 0994-0247663 = UCAC4 498-063752 = 2MASS J15060750+0926369 = WISE J150607.50+092636.9 = CSS_J150607.5+092636			

Remark: USNO-B1.0 1049-0245939 has been identified as an RRc star by analysis of CRTS data (Drake et al., 2009). UCAC4 position. $J - K=0.183$ (2MASS; Skrutskie et al., 2006). Rise duration: 40USNO-B1.0 1049-0245939 is listed in the Catalogue of SDSS BHB candidates (Smith et al., 2010).

RA(J2000) 15 37 26.810	Dec(J2000) +14 56 58.31	type RRc	Mag. 15.18 - 15.64 (CV)
Period 0.362629 d		Epoch 2454346.644	
Cross-identification(s): USNO-B1.0 1049-0245939 = UCAC4 525-059342 = 2MASS J15372680+1456583 = WISE J153726.79+145658.2 = CSS_J153726.8+145658			

Date: 7 February 2013
Observer(s) and affiliation(s): Martignoni, Massimiliano - "Stazione Astronomica Betelgeuse", Magnago, Milano, Italy, massimiliano.martignoni@alice.it

Remark: TYC 5378-1590-1 is an EA type eclipsing binary in the field of view of DV Mon. It was observed with a 0.25m Schmidt-Cassegrain Telescope (f/10) of the "Stazione Astronomica Betelgeuse" in Magnago, Italy equipped with a 512x512 pixels Kodak KAF261E CCD cooled to (typ.) -20C; 1.6 arcsec per pixel (1x1 binning); 14'x14' field of view, with a V photometric filter. Reduction to standard photometric system was performed. As comparison and check stars were used UCAC4 406-017649 (V=11.47) and UCAC4 406-017634 (V=12.79). Using also V magnitude data coming from the All Sky Automated Survey (ASAS), a total of 916 measures were collected. The star shows a secondary minimum approximately at phase 0.70.

RA(J2000) 06 45 43.95	Dec(J2000) -08 50 35.6	type EA	Mag. 10.85-11.50 (V)
Period 3.73235d		Epoch 2456263.980	
Cross-identification(s): TYC 5378-1590-1 = UCAC4 406-017746			

Date: 25 March 2013
Observer(s) and affiliation(s): Nelson, R.H. - 1393 Garvin St., Prince George, BC, V2M 3Z1 Canada, bob.nelson@shaw.ca Lubcke, Gil - 6816 South Avenue, Middleton, Wisconsin, 53562. USA, lubcke@tds.net Molnar, Larry - Calvin College, Grand Rapids, MI, 49546-4403, lmolnar@calvin.edu

Remark: Star was discovered to be variable by R.H. Nelson on 2012-10-10 while observing GSC 4267-0682. He obtained a light curve around a primary minimum in R (Cousins). Follow-up data was acquired by G. Lubcke and L. Molnar. The latter discovered the period and obtained a largely full light curve in R (Cousins) with some additional data in V.

RA(J2000) 22 05 43.480	Dec(J2000) +61 55 18.835	type EA	Mag. B mag = 11.06, V mag = 10.81 (SIM- BAD)
Period 2.6334576 d		Epoch 2456297.54746	
Cross-identification(s): GSC 4267-0588 = TYC 4267-588-1 = 2MASS J22054347+6155189			

Date: 23 August 2013
Observer(s) and affiliation(s): Srdoc, Gregor - Sarsoni 90 Viskovo, Croatia, gregor@vip.hr Frank, Peter - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, frank.velden@t-online.de Hümmerich, Stefan - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, ernham@rz-online.de Bernhard, Klaus - Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V. (BAV), Munsterdamm 90, DE-12169 Berlin, Germany, Klaus.Bernhard@liwest.at

Remark: GSC 02075-01605 has been discovered as a candidate variable star by investigation of light curves from the SuperWASP public archive (Butters et al., 2010). Follow-up observations by G. Srdoc (*V* filter; 19 nights; black circles in folded light curve) and P. Frank (*-IR* filter; 2 nights; grey circles) indicate that GSC 02075-01605 is a DSCT variable. $J - K = 0.101$ (2MASS; Skrutskie et al., 2006). Positional information was drawn from the UCAC4 catalogue (Zacharias et al., 2013). The difference in mean magnitude between the two datasets results from the use of different filters and telescope systems. The given magnitude range has been derived from G. Srdoc's observations because of the use of a *V*-filter.

RA(J2000) 17 28 31.533	Dec(J2000) +22 34 18.93	type RRab	Mag. 13.15 - 13.45 (CV)
Period 0.049113 d		Epoch 2456462.4354	
Cross-identification(s): GSC 02075-01605 = UCAC4 563-061083 = 2MASS 17283152+2234189			

Date: 9 September 2013
Observer(s) and affiliation(s): Nelson, Robert H. - Sylvester Robotic Observatory, Prince George, BC, Canada bob.nelson@shaw.ca Buchheim, Robert - Altimira Observatory (minor planet center observatory code G76) Bob@kbuchheim.org

Remark: Minima Determination: Fourier 5-term fit (Nelson), Kwee & van Woerden (both).

RA(J2000) 23 00 07.0183	Dec(J2000) +30 39 17.709	type EA	Mag. 14.07 (USNO A2.0: B=15.2, R=13.8)
Period 0.47187 (2) d		Epoch 2456530.5060(6)	
Cross-identification(s): GSC 2750-0054 = USNO A2.0 1200-19628029			

Date: 25 September 2013
Observer(s) and affiliation(s): Nelson, Robert H. - Sylvester Robotic Observatory, Prince George, BC, Canada bob.nelson@shaw.ca Buchheim, Robert - Altimira Observatory (minor planet center observatory code G76) Bob@kbuchheim.org

RA(J2000) 23 00 00.8628	Dec(J2000) +30 39 00.458	type EB?	Mag. 13.58 (USNO A2.0: B=14.5, R=13.1)
Period 0.2991 (1) d		Epoch 56529.9697 (36)	
Cross-identification(s): GSC 2750-1476 = USNO A2.0 1200-19626931			

Date: 17 January 2014			
Observer(s) and affiliation(s): Martignoni, Massimiliano - Stazione Astronomica Betelgeuse, Magnago, Milano, Italy, massimiliano.martignoni@alice.it			
RA(J2000) 22 10 27.06	Dec(J2000) +55 09 29.7	type EB	Mag. 13.17 (0.04) \pm 0.02 (V)
Period 0.181378 d		Epoch 2 456 185.220	
Cross-identification(s): UCAC4 726-082768			

Remark: UCAC4 726-082768 is an EB type eclipsing binary type variable star in the field of view of KM Cep. It was observed with a 0.25 m Schmidt-Cassegrain telescope (f/10) of the Stazione Astronomica Betelgeuse in Magnago, Italy equipped with a 512 \times 512 pixels Kodak KAF261E CCD cooled to (typ.) -20°C ; 1.6 arcsec per pixel (1 \times 1 binning); 14' \times 14' field of view, with V photometric filter. As comparison and check stars were used UCAC4 726-082801 and UCAC4 726-082806. A total of 380 measures in V band were collected; reduction to the standard photometric system was not performed.

Date: 29 January 2014			
Observer(s) and affiliation(s): Martignoni, Massimiliano - Stazione Astronomica Betelgeuse, Magnago, Milano, Italy, massimiliano.martignoni@alice.it			
RA(J2000) 22 10 29.04	Dec(J2000) +55 09 01.2	type L:	Mag. 14.5: (0.5:) (V)
Period		Epoch	
Cross-identification(s): UCAC4 726-082786			

Remark: UCAC4 726-082786 is an L: type variable star in the field of view of KM Cep. It was observed with a 0.25 m Schmidt-Cassegrain telescope (f/10) of the Stazione Astronomica Betelgeuse in Magnago, Italy equipped with a 512 \times 512 pixels Kodak KAF261E CCD cooled to (typ.) -20°C ; 1.6 arcsec per pixel (1 \times 1 binning); 14' \times 14', with V photometric filter. As comparison and check stars were used UCAC4 726-082801 and UCAC4 726-082806. A total of 396 measures in V band were collected; reduction to the standard photometric system was not performed.

Date: 27 February 2014			
Observer(s) and affiliation(s): Liakos, A. - National Observatory of Athens, Institute for Astronomy & Astrophysics, Space Applications & Remote Sensing, I. Metaxa & Vas. Pavlou St., GR-152 36, Palaia Penteli, Athens, Greece, alliakos@noa.gr Niarchos, P. - Department of Astrophysics, Astronomy and Mechanics, National and Kapodistrian University of Athens, Panepistimioupolis, GR-157 84, Zografos, Athens, Greece, pniarcho@phys.uoa.gr			
RA(J2000) 18 42 29	Dec(J2000) +08 58 35	type CV or SR	Mag. 11.2 (V)
Period		Epoch Multiperiodic	
Cross-identification(s): GSC 1025-0798 = TYC 1025-798-1 = 2MASS J18422913+0858346			

Remark: Detected in the FoV of V456 Oph.

RA(J2000) 07 38 20.2	Dec(J2000) −02 48 04.8	type EW	Mag. 13.6 (V)
Period 0.4245(1)		Epoch 2455939.383(9)	
Cross-identification(s): GSC 4835-1716 = USNO A2.0 0825-05281746 = 2MASS 07382020-0248044 = NOMAD1 0871-0207620			

Remark: Detected in the FoV of V868 Mon.

Date: 5 March 2014
Observer(s) and affiliation(s): Liakos, A. - National Observatory of Athens, Institute for Astronomy & Astrophysics, Space Applications & Remote Sensing, I. Metaxa & Vas. Pavlou St., GR-152 36, Palaia Penteli, Athens, Greece, alliakos@noa.gr Niarchos, P. - Department of Astrophysics, Astronomy and Mechanics, National and Kapodistrian University of Athens, Panepistimioupolis, GR-157 84, Zografos, Athens, Greece, pniarcho@phys.uoa.gr

RA(J2000) 01 57 54.9	Dec(J2000) +37 47 53.4	type EC	Mag. 14.0 (B)
Period		Epoch	
Cross-identification(s): GSC 2816-2000 = USNO 1275-01172833 = 2MASS 01575487+3747534 = NOMAD1 1277-0038470			

Remark: Detected in the FoV of QX And and GSC 2816-0743 (= NGC 752 170; discovered by Zhang et al. (2009)). The C-K light curve is given for direct comparison with the V-C one.

RA(J2000) 18 28 39.6	Dec(J2000) +06 46 00.9	type EC	Mag. 12.3 (V_T)
Period		Epoch	
Cross-identification(s): GSC 0445-0903 = TYC 445-903-1 = 2MASS 18283962+0645598			

Remark: Detected in the FoV of V2612 Oph. The minimum in I-filter is deeper than the one in V-filter. Therefore, it corresponds to the secondary minimum of the binary's light curve. This suggests Algol-type variability. The C-K light curves are given for direct comparison with the V-C ones.

RA(J2000) 20 19 35.2	Dec(J2000) +33 47 26.5	type EC	Mag. 12.2 (B)
Period		Epoch	
Cross-identification(s): GSC 2680-1387 = USNO 1200-14916877 = 2MASS 20193521+3347262 = NOMAD1 1237-0465366			

Remark: Detected in the FoV of MY Cyg. The C-K light curve is given for direct comparison with the V-C one.

RA(J2000) 08 10 54.2	Dec(J2000) +57 40 01.3	type EC	Mag. 11.6 (V)
Period		Epoch	
Cross-identification(s): GSC 3802-1680 = TYC 3802-1680-1 = USNO-A2.0 1425-07102186 = NOMAD1 1476-0238610			

Remark: Detected in the FoV of SX Lyn and GSC 3802-1986 (discovered by Liakos & Niarchos (2011)).

RA(J2000) 02 34 46.6	Dec(J2000) +71 31 21.4	type EA	Mag. 9.7 (B)
Period		Epoch	
Cross-identification(s): GSC 4320-1033 = TYC 4320-1033-1 = USNO-A2.0 1575-01428060 = 2MASS 02344652+7131209			

Remark: Detected in the FoV of AB Cas and V663 Cas.

RA(J2000) 07 09 34.9	Dec(J2000) +12 10 37.2	type EA	Mag. 13.8 (I)
Period		Epoch 2455537.4735(5)	
Cross-identification(s): USNO-A2.0 0975-04711370 = NOMAD1 1021-0151694 = 2MASS 07093486 +1210369 = UCAC4 511-036297			

Remark: Detected in the FoV of AV CMi, 2MASS J07083972+1214429 (discovered by Liakos & Niarchos 2010), GSC 0770-0523 (discovered by Liakos & Niarchos 2010), and USNO-A2.0 0975-04721840 (discovered by Liakos & Niarchos 2011).

RA(J2000) 20 20 56.8	Dec(J2000) +18 26 12.4	type EA	Mag. 14.1 (B)
Period 8.935		Epoch 2455856.289	
Cross-identification(s): USNO A2.0 1050-17346460 = 2MASS 20205676+1826120 = NOMAD1 1084-0573113			

Remark: Detected in the FoV of BX Del and BW Del. The reference time of minimum as given in the ephemeris (2455856.289) was assumed and it is not a true minimum time. The period is also uncertain, but the value given describes the data in the most sufficient way. The system may have eccentric orbit.

RA(J2000) 04 16 10.6	Dec(J2000) +47 38 14.9	type EC	Mag. 15.1 (R)
Period		Epoch	
Cross-identification(s): USNO A2.0 1350-04394387 = 2MASS 04161058+4738146 = NOMAD1 1376-0126986			

Remark: Detected in the FoV of V482 Per. The period is probably between 4.66 and 13.99 days, but more times of minima are needed for its determination.

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