

New Short Periodic Eclipsing Binaries

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#	Name	Other	Coord (J2000)	Type	Max	Min	System	Period	Epoch (JD)	ttype	Sp	Comment	L.Curve	Find.Chart	Data
1		GSC 04446-00787	20 04 46.79, +68 29 57.4	EW	12.32	12.64	R	0.522205	2451359.896	min		Comm. 1	1.jpg	ch1.jpg	NSVS 1231448
2		GSC 04236-00125	20 06 46.21, +63 18 37.8	EW	13.75	14.4	R	0.316058	2451361.814	min		Comm. 2	2.jpg	ch2.jpg	NSVS 3178266
3		GSC 04232-00599	20 08 29.76, +60 57 35.1	EW	13.15	13.5	R	0.338893	2451299.605	min		Comm. 3	3.jpg	ch3.jpg	NSVS 3150500
4		GSC 04244-00599	20 09 28.09, +65 45 43.4	EW	13.35	13.8	R	0.678499	2451484.939	min		Comm. 4	4.jpg	ch4.jpg	NSVS 3145526 NSVS 3181896
5		GSC 03949-01072	20 13 33.36, +58 36 24.9	EW	13.35	13.9	R	0.450654	2451536.820	min		Comm. 5	5.jpg	ch5.jpg	NSVS 3109760 NSVS 3224584

Comments:

1. MinII = 12.64.
2. MinII = 14.3.
3. MinII = 13.4.
4. MinII = 13.8.
5. MinII = 13.85.

Remarks:

I announce the discovery of 5 new short-period eclipsing binaries (EW type) found in the public data release from the Northern Sky Variability Survey (NSVS; Wozniak et al., 2004; see also <http://skydot.lanl.gov/nsvs/>).

These observations were analyzed using the period-search software developed by Dr.V.P. Goranskij for Windows environment. The coordinates were drawn from the 2MASS catalog.

References:

Wozniak, P.R., Vestrand, W.T., Akerlof, C.W. et al., 2004, *Astron. J.*, 127, 2436