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Three New Pulsating Variables

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#	Name	Other	Coord (J2000)	Type	Max	Min	System	Period	Epoch (JD)	type	Sp	Comment	L.Curve	Find.Chart	Data
1		GSC 2277-00465	00 54 14.14, +30 15 50.5	RRAB	14.1	14.9	R	0.7894	2451480.867	max		Comm. 1	1.PNG	chart1.PNG	NSVS 6369488 NSVS 6396174
2		TYC 2285 00018 1	00 56 03.36, +35 33 57.7	RRC	11.65	12.0	R	0.42871	2451480.877	max		Comm. 2	2.PNG	chart2.PNG	NSVS 6371328
3		GSC 2289-01236	00 58 39.21, +36 38 50.3	CWA	13.15	13.65	R	20.7	2451465.5	max		Comm. 3	3.PNG	chart3.PNG	NSVS 6373385

Comments:

1. M-m = 0.1 P. J-H = 0.344 (2MASS). The ROTSE data with photometric correction flags (usually rejected) were kept for the analysis.

2. M-m = 0.45 P. J-H = 0.195 (2MASS). The ROTSE data with photometric correction flags (usually rejected) were kept for the analysis.

3. M-m = 0.45: P. J-H = 0.647 (2MASS).

Remarks:

I present the discovery of 3 new pulsating variables. A search for variables was carried out in the publicly available data of the Northern Sky Variability Survey (NSVS, Wozniak et al., 2004, also see 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 either from the Tycho-2 or from the 2MASS catalogs.

References:

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