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**GSC 03822\_01056 IS A CLOSE ECLIPSING BINARY**

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<b>Name of the object:</b>	
GSC 03822_01056	
<b>Equatorial coordinates:</b>	<b>Equinox:</b>
R.A. = 10 <sup>h</sup> 33 <sup>m</sup> 53 <sup>s</sup> DEC. = +58°46'54"	J2000
<b>Observatory and telescope:</b>	
Observatorio del Teide, IAC80 telescope (0.8 m, <i>f</i> /11.3, Cassegrain)	
<b>Detector:</b>	Wright Instruments 1024 × 1024 CCD
<b>Filter(s):</b>	<i>V</i> , <i>R</i>
<b>Comparison star(s):</b>	GSC 03822_00070
<b>Check star(s):</b>	None
<b>Transformed to a standard system:</b>	Standard <i>VR</i>
<b>Standard stars (field) used:</b>	Landolt standards
<b>Availability of the data:</b>	
Upon request at barna@electra.bajaobs.hu	
<b>Type of variability:</b>	EB — eclipsing binary of $\beta$ Lyrae type
<b>Remarks:</b>	
<p>Martin (2000) reported about the variability of GSC 03822_01056 in the field of the novalike eclipsing binary DW UMa, suggesting a pulsating type and a period of <math>\sim 0.15</math> days from Fourier analysis. We have analysed VR photometric data of 4 consecutive nights gathered in a campaign on DW UMa during February 1997, and found that twice the quoted period is likely to hold for the new variable, which clearly exhibits two distinct minima. The folded light curve indicates an eclipsing binary nature, possibly of beta Lyrae type (EB). Analysis of the light curve gives the following preliminary ephemeris:</p> $\text{HJD}_{\min} = 2,450,495.5222 (\pm 0.0003) + 0.30995 (\pm 0.0001) \times E.$	

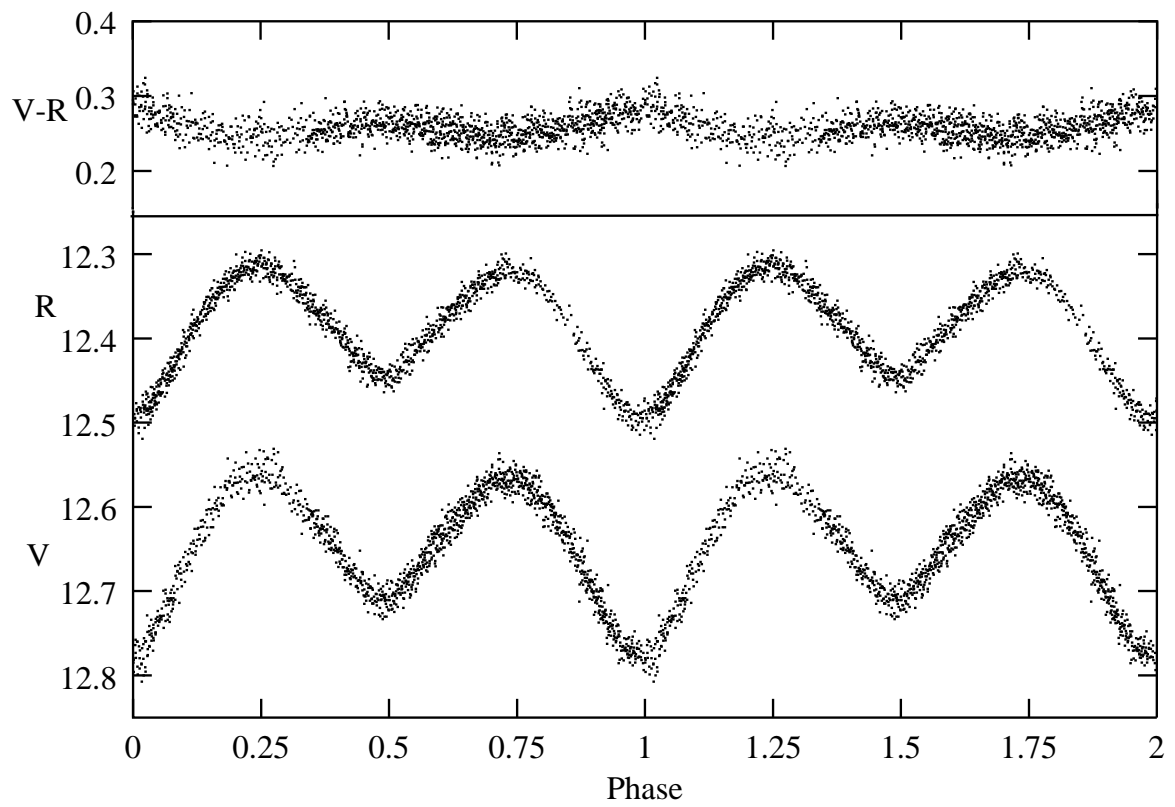


Figure 1.

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Reference:

Martin, B.E., 2000, *IBVS*, No. 4880.