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CCD LIGHT CURVES OF ROTSE1 VARIABLES, I:  
 GSC 3099.905 HERCULIS

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<b>Name of the object:</b>	
GSC 3099.905 = ROTSE1 173454.24+441152.2	
<b>Equatorial coordinates:</b>	<b>Equinox:</b>
R.A. = 17 <sup>h</sup> 34 <sup>m</sup> 54.24 <sup>s</sup> DEC. = +44°11'52.2"	2000.0
<b>Observatory and telescope:</b>	
Private observatory Schlüsselacher, Wald, 0.15-m refractor	
<b>Detector:</b>	SBIG ST-7 CCD camera
<b>Filter(s):</b>	None
<b>Comparison star(s):</b>	GSC 3099.933
<b>Check star(s):</b>	GSC 3099.1019
<b>Availability of the data:</b>	
Upon request from diethelm@astro.unibas.ch	
<b>Type of variability:</b>	EW
<b>Remarks:</b>	
<p>As a byproduct of the ROTSE1 CCD survey, a large number of new variables have been discovered (Akerlof et al., 2000). In a series of papers, we report unfiltered CCD observations for some of the close binary systems (type EW and E) in the list of Akerlof et al. (2000). GSC 3099.905 was observed with our CCD equipment as specified above during 5 nights between JD 2451746 and JD 2451781. A total of 143 CCD frames were measured and Figure 1 shows these observations folded with the elements</p> $\text{JD}(\text{min, hel}) = 2451746.4772(5) + 0.2514358(20) \times E.$ <p>These elements of variation are deduced from a linear fit to the newly determined normal minima from the ROTSE1 data (JDH 2451305.7095(2), primary; JDH 2451311.8712(4), secondary) as well as the 8 minima (5 primary, 3 secondary) published in BBSAG Bulletin 123.</p>	

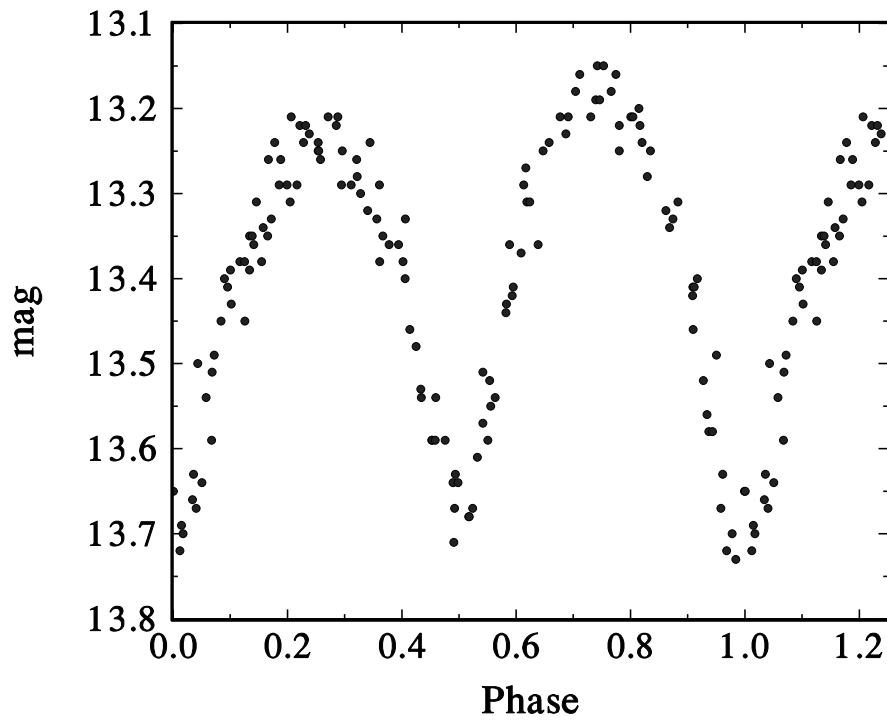


Figure 1. CCD light curve (without filter) of GSC 3099.905

<b>Acknowledgements:</b>
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Reference:

Akerlof, C., Amrose, S., Balsano, R., Bloch, J., Casperson, D., Fletcher, S., Gisler, G., Hills, J., Kehoe, R., Lee, B., Marshall, S., McKay, T., Pawl, A., Schaefer, J., Szymanski, J., Wren, J., 2000, *AJ*, **119**, 1901