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**CCD LIGHT CURVES OF ROTSE1 VARIABLES, IV:
GSC 2636.1753 LYRAE**

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Name of the object:	
GSC 2636.1753 = ROTSE1 J182712.15+361436.8	
Equatorial coordinates:	Equinox:
R.A. = 18 ^h 27 ^m 12.15 ^s DEC. = +36°14'36.8"	2000.0
Observatory and telescope:	
Private observatory Schlüsselacher, Wald, 0.15-m refractor	
Detector:	SBIG ST-7 CCD camera
Filter(s):	None
Comparison star(s):	GSC 2636.1584
Check star(s):	GSC 2636.1675
Availability of the data:	
Upon request from diethelm@astro.unibas.ch	
Type of variability:	EW
Remarks:	
<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 2636.1753 was observed with our CCD equipment as mentioned above during 4 nights between JD 2451757 and JD 2451781. A total of 134 CCD frames were measured and Figure 1 shows these observations folded with the elements</p> $\text{JD}(\text{min, hel}) = 2451757.5642(4) + 0.2731270(15) \times E.$ <p>These elements of variation are deduced from a linear fit to the newly determined normal minima from the ROTSE1 data (JDH 2451260.8816(14), secondary, JDH 2451288.8797(8), primary) as well as the 5 minima (3 primary, 2 secondary) published in BBSAG Bulletin 123.</p>	

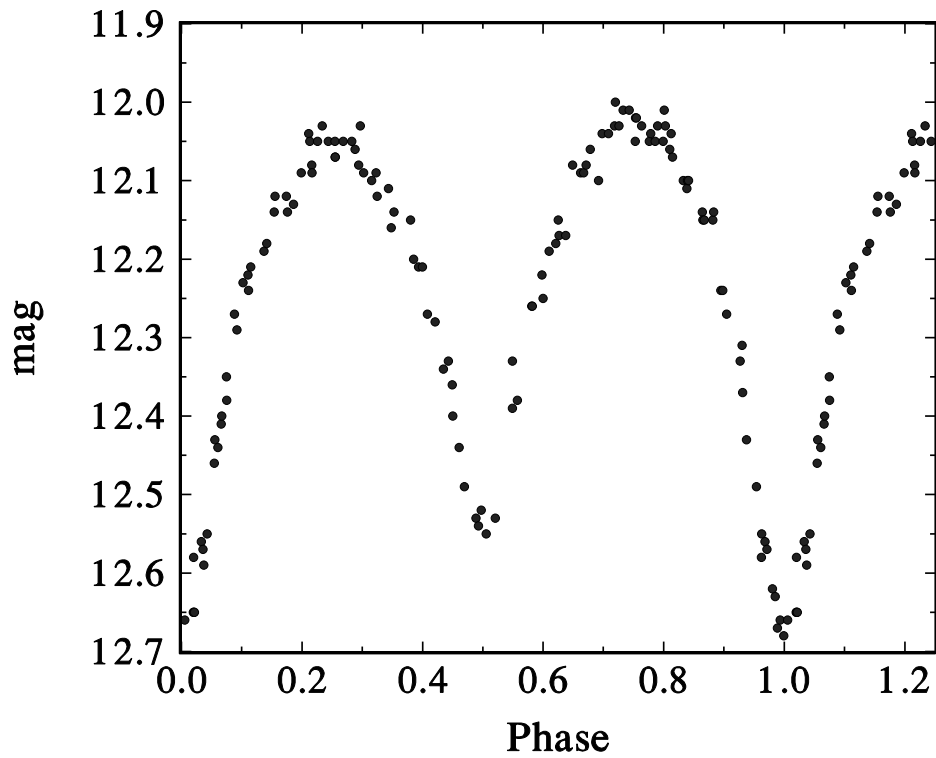


Figure 1. CCD light curve (without filter) of GSC 2636.1753

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References:

- 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
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