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**CCD LIGHT CURVES OF ROTSE1 VARIABLES,
VI: GSC 3123.1618 LYRAE, GSC 3551.81 CYGNI**

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VAR1

Name of the object:	
GSC 3123.1618 = ROTSE1 J185538.25+405859.0	
Equatorial coordinates:	Equinox:
R.A. = 18 ^h 55 ^m 38 ^s .25 DEC. = +40°58'59"0	2000.0
Comparison star(s):	GSC 3123.1854
Check star(s):	GSC 3123.1116

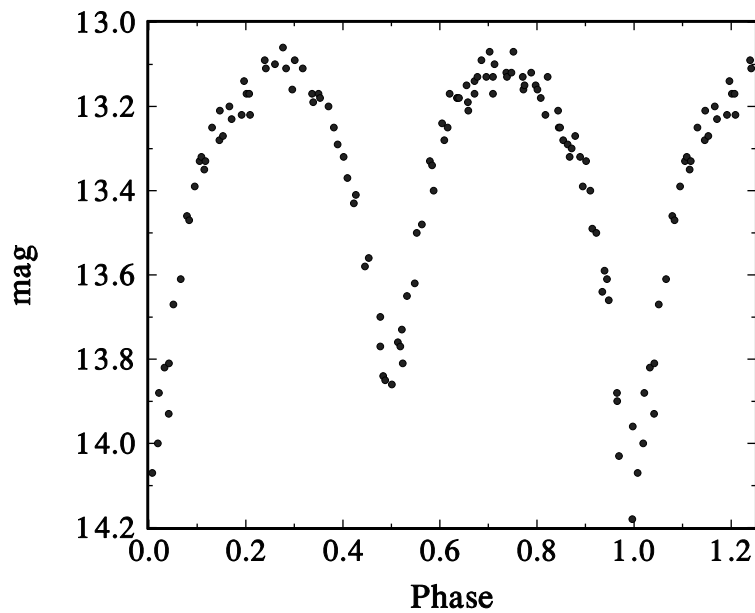


Figure 1. CCD light curve (without filter) of GSC 3123.1618

VAR2

Name of the object:	
GSC 3551.81 = ROTSE1 J192954.62+485500.5	

Equatorial coordinates:	Equinox:
R.A. = 19 ^h 29 ^m 54 ^s .62 DEC. = +48°55′00″.5	2000.0

Comparison star(s):	GSC 3551.85
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Check star(s):	GSC 3551.99
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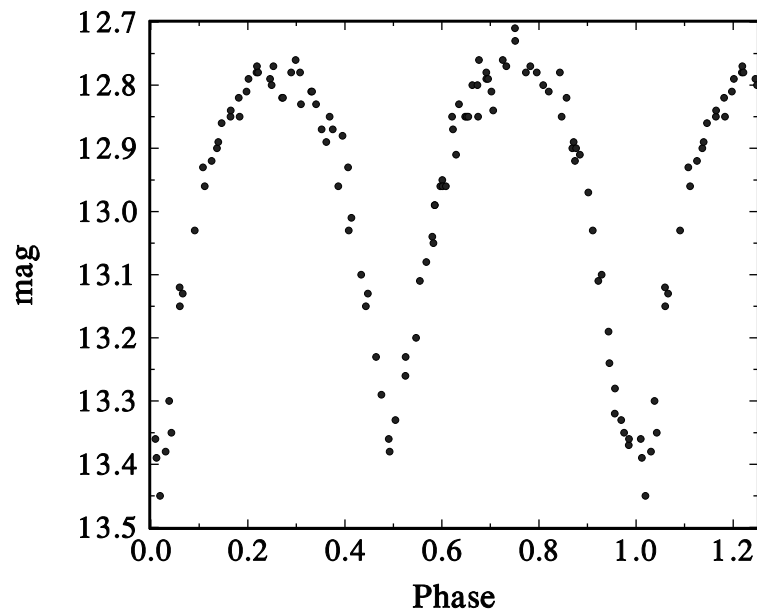


Figure 2. CCD light curve (without filter) of GSC 3551.81

Observatory and telescope:	
Private observatory Schlüsselacher, Wald, 0.15-m refractor	

Detector:	SBIG ST-7 CCD camera
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Filter(s):	None
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Availability of the data:	
Upon request from diethelm@astro.unibas.ch	

Type of variability:	EW
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Remarks:

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 3123.1618 (VAR1 in this paper) was observed with our CCD equipment as mentioned above during 4 nights between JD 2451766 and JD 2451781, while the data on GSC 3551.81 (here VAR2) was collected during 4 nights between JD 2451766 and JD 2451781. A total of 118 CCD frames were measured for VAR1 and 112 frames for VAR2. Figures 1 and 2 show these observations folded with the elements

$$\text{GSC 3123.1618: } \text{JD}(\text{min, hel}) = 2451766.5843(2) + 0.2559007(10) \times E;$$

$$\text{GSC 3551.81: } \text{JD}(\text{min, hel}) = 2451771.3637(2) + 0.3069917(12) \times E.$$

These elements of variation are deduced from a linear fit to the newly determined normal minima from the ROTSE1 data (VAR1: JDH 2451295.8551(25), secondary, JDH 2451306.7304(16), primary; VAR2: JDH 2451287.8512(2), primary) as well as the minima derived from our data and given in Blättler (2000).

Acknowledgements:

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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
 Blättler, E., 2000, *BBSAG Bulletin*, **123**, 6