

GSC 2563-00494

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Star Name:	GSC 2563-00494, ROTSE1 J152235.81+310803.5, NSVS 7799908, NSVS 7820954		
Coordinates (J2000):	15 22 35.76, +31 08 03.4		
Variability type:	EW;	Limits, System:	13.5 - 14.1 - 14.0(R);
Period:	0.46046 d;	Epoch(min):	JD 2451462.650

Remarks:

The variability of GSC 2563-00494 was discovered by ROTSE-I (Akerlof et al., 2000). The variable was classified as a DSCT star with the period 0.187155 days. Later GSC 2563-00494 was observed by Jin et al. (2004) who attributed it to eclipsing variables, with a doubled period (0.374370 days). But the phased light curve of the star in Jin et al. (2004) shows that the period is wrong. The true period must be longer.

I reinvestigated the star using the same ROTSE-I data. I confirm the eclipsing nature of this variable, but the period is twice the 1-day alias to that originally found by ROTSE.

References:

Akerlof, C., Amrose, S., Balsano, R. et al., 2000, AJ, 119, 1901
Jin, H., Kim, S.-L., Lee, C.-U. et al., 2004, AJ, 128, 1847

Light Curve

