

## TYC 3484 00094 1, a New Eclipsing Binary

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<b>Star Name:</b>	TYC 3484 00094 1, BD+48 2264 , GSC 3484-00094, NSVS 5141228				
<b>Coordinates (J2000):</b>	15 06 50.37, +47 38 16.0				
<b>Variability type:</b>	EA;	<b>Limits, System:</b>	9.8 - 10.25 (R);	<b>Spectrum:</b>	F8
<b>Period:</b>	15.64 d;	<b>Epoch(min):</b>	JD 2451434.97		

### Remarks:

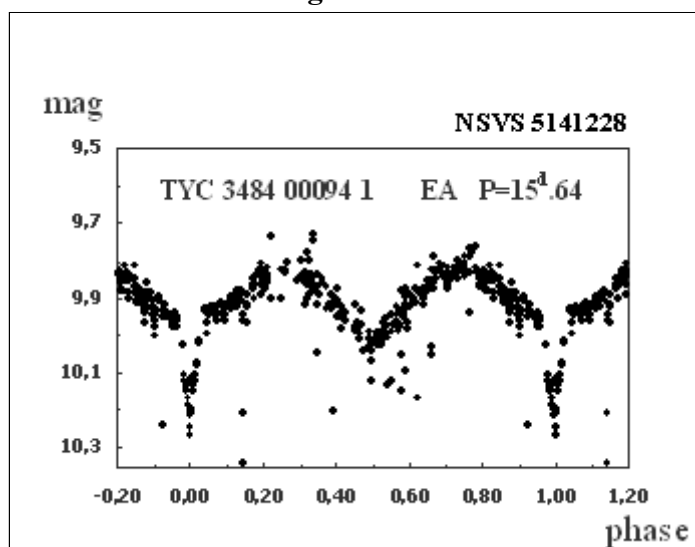
TYC 3484 00094 1 is a new Algol type eclipsing binary.  $\text{MinII} = 10.0$ .  $D = 0.07 P$ . Note the double-wave variability in maximum with an amplitude about 0.2 mag. The star can be astrophysically interesting, further studies are encouraged.

The ROTSE data with photometric correction flags (usually rejected) were kept for the analysis. In the case of TYC 3484 00094 1, the use of these data considerably increases the number of available observations without deteriorating quality and allows us to determine the period more accurately. The coordinates were drawn from the Tycho2 catalog.

### References:

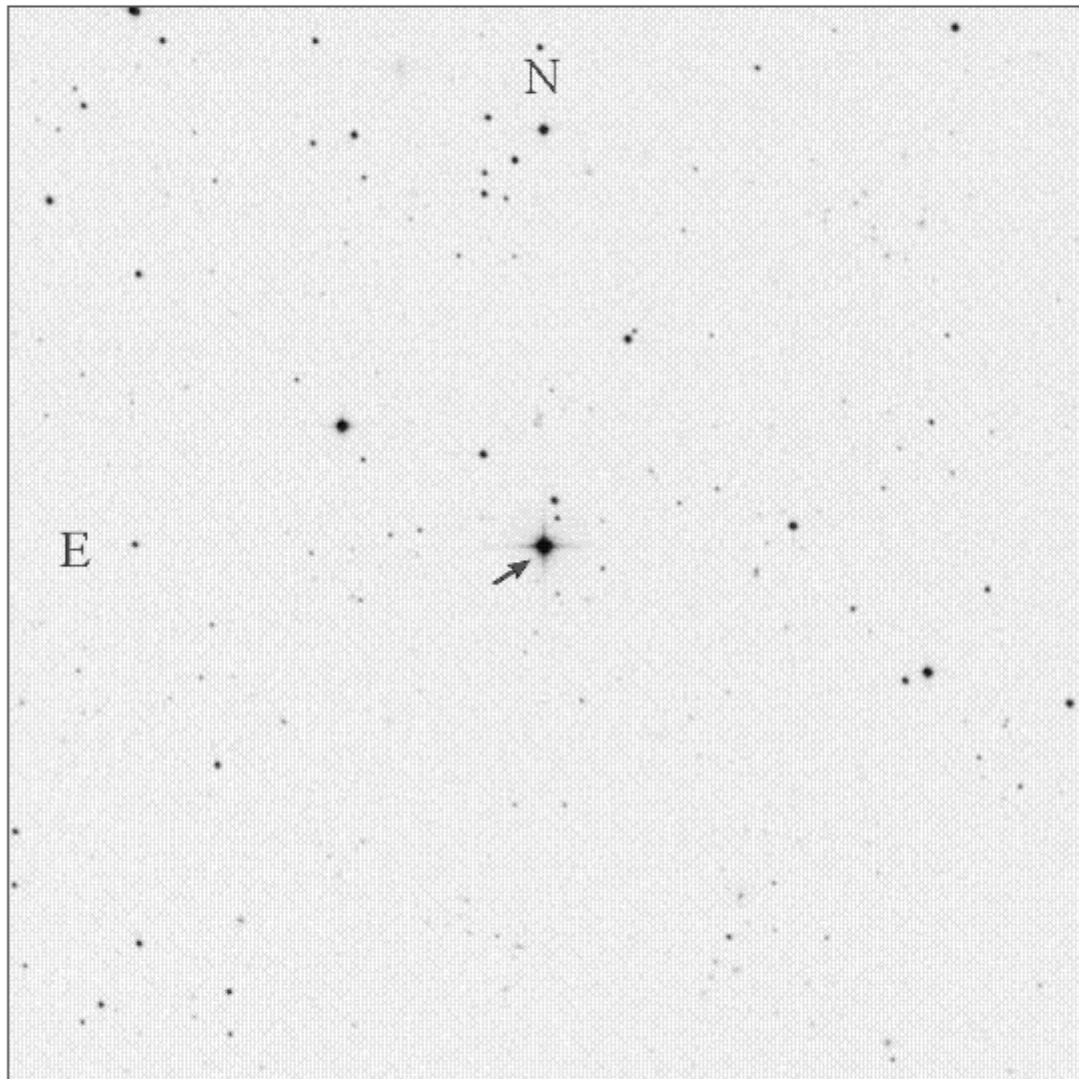
Wozniak, P.R., Vestrand, W.T., Akerlof, C.W. et al., 2004, *Astron. J.*, 127, 2436

### Light Curve



Finding Chart

TYC 3484 00094 1



Poss II red

15'x 15'