

UW Lacertae

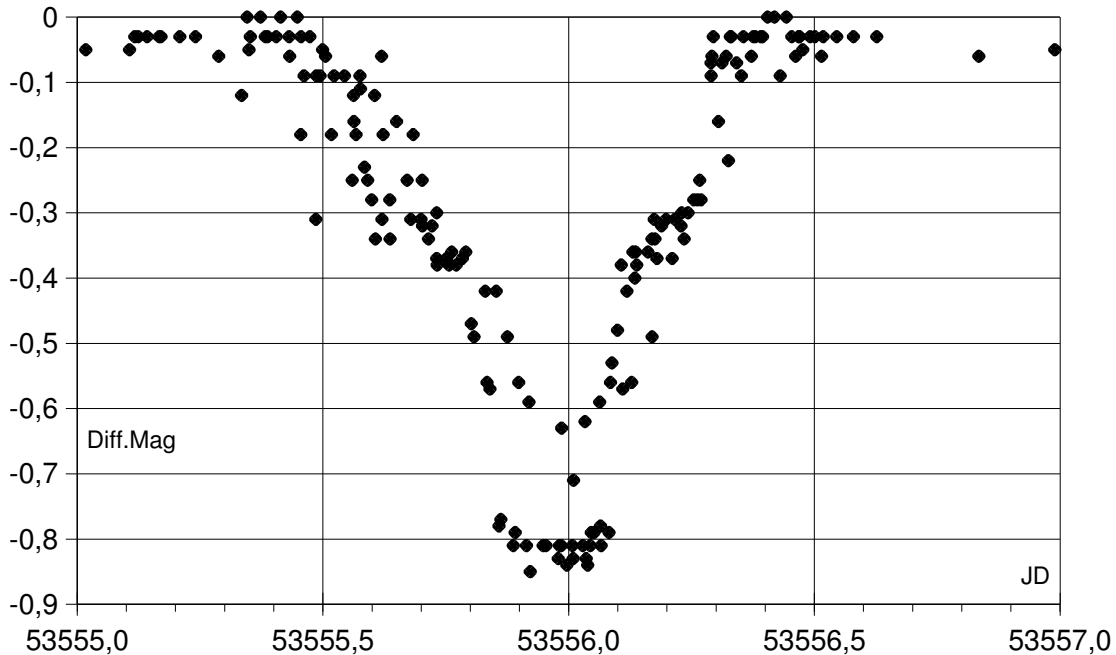
Summary:

UW Lac is an eclipsing binary star, whose astrophysical and geometrical specification based on precise photoelectric or CCD measurements still is missing. The period is about 5 days, the light variation is slow and cannot be observed in one night. A visual light curve and a refined ephemeris are given. (2005NOV)

Guthnick_ea discovered the variability in 1927 on plates in Babelsberg (Berlin-Germany). GCVS and Cracow Catalogue have an eclipsing binary (EA/SD), 11,4mag 12,5m (p), D=15,2h, d=3,6h. The Lichtenknecker-Database has 44 reported observations. One incomplete visual lightcurve from 1930 and all plate observations scatter greatly.

I started to observe visually in 2002. Minimum light came about 08 h earlier than predictions calculated with the Cracow Catalogue ephemeris. The magnitude of the star varies between 10,5mag and 11,3mag. The eclipse takes at least 18 hours; with visual means I cannot establish any constancy of minimum light. The detailed times of minimum light will be published in BAV-Mitteilungen. My revised ephemeris is:

$$\text{JD}(\text{min}1) = 2424714,44 \pm 1 + 5,290077 \cdot E \pm 4$$



Literature:

Lichtenknecker-Database (CD-ROM can be obtained from the office of the BAV, Münchener Straße 26, D-10825 Berlin; e-mail: braune.bav@t-online.de)

GCVS, electronic version, Sternberg Astronomical Institute (SAI), Moscow

Cracow Catalogue 2003 (SAC=Rocznik Astronomiczny Observatorium Krakowskiego)

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