

COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS
Number 1577

Konkoly Observatory
Budapest
1979 March 28

A NEW LIGHT CURVE OF THE ECLIPSING VARIABLE W UMa

Photoelectric observations of W UMa (BD +56^o1400, HD 83950) in two colours B and V were made with the 48 cm Cassegrain telescope equipped with a 1P21 photomultiplier tube at the Ege University Observatory between February 23 and February 25, 1979. BD +56^o1399 was used as comparison star during the observations.

The light curve is shown in the Figure where the individual magnitude differences between the comparison and the variable star have been plotted against the phases which were calculated with the elements given by Cester and Pucillo (1972) as:

$$\text{Hel Min J.D.} = 24\ 35918.4154 + 0^d33363808 \cdot E.$$

The analysis of the light curve is in progress.

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Reference:

Cester, B. and Pucillo, M. 1972, I.B.V.S. 659

