

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

Number 2230

Konkoly Observatory  
Budapest  
1982 November 22  
HU ISSN 0374-0676

PHOTOELECTRIC OBSERVATIONS OF W UMa (BD+56°1400)

In I.B.V.S. No. 2102, we presented two MinI and one MinII values obtained in January 1982 and adopted the first J.D. Hel MinI as  $T_0$ . We also recalculated the (O-C) values for the last 79 years from the available visual photographic, photoelectric MinI and II observations. We demonstrated that for the last few years (4-5) the (O-C) values have been steadily decreasing. In the present observing season we resume to monitor the star (BD+56°1400) relative to the comparison (BD+56°1399) with the 48 cm Cassegrain telescope and unrefrigerated EMI 9781 A detector. Here we present the first observations of this observing season and confirm that the (O-C) is still decreasing:

J.D. Hel MinI : 2445266 . 6163 O-C = -0.<sup>d</sup>002  
J.D. Hel MinI : 2445267 . 6176 O-C = -0.002  
J.D. Hel MinII : 2445276 . 4584 O-C = -0.002

These minima were obtained only in B colour because of the higher accuracy wanted to be obtained in the determination of the minimum times. We also noticed within the MinII obtained on November 2, 1982 (J.D. 2445276.4584) that there were clear fluctuations in the observed brightness as already suggested by many authors. Meanwhile we attempt to bring out these brightness fluctuations within the MinII by continuous monitoring of the variable star.

MELEK HAMZAOĞLU  
ESAT HAMZAOĞLU  
Ege University Observatory  
P.K.21 Izmir-Turkey