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PHOTOELECTRIC MINIMA OF THE ECLIPSING VARIABLE VW CEPHEI

The W UMa-type eclipsing variable VW Cephei was observed on July 7-10, 1980, at Kryonerion Observatory, Greece. Seven times of minima obtained during this season are listed in the following Table I. The observations were made with a 48-inch Cassegrain reflector (Contopoulos and Banos, 1976) and a two beam multi-mode photometer (Goudis and Meaburn, 1973). The two intermediate pass-band filters used were selected to be in close accordance with the standard UBV colour system.

All the times of minima and the mean errors σ were calculated by the method of Kwee and Van Woerden.

The successive columns contain the heliocentric time of minimum, the mean error σ , the difference O-C, the filter used and remarks. The following ephemeris, given by Hopp et al. (1979), was used for calculation of the O-C values.

$$\text{Min I} = \text{JD Hel } 2443410.4180 + 0^{\text{d}}.27831481 \cdot E.$$

Table I

HJD	σ	O-C	Filter	Rem.
2440000+				
4428.4934	± 0.0002	-0.0001	B,V	Min I
4429.3281	± 0.0001	-0.0004	B,V	Min I
4429.4673	± 0.0001	-0.0003	B,V	Min II
4430.4412	± 0.0001	-0.0005	B,V	Min I
4430.5805	± 0.0001	-0.0004	B,V	Min II
4431.4160	± 0.0001	+0.0002	B,V	Min II
4431.5553	± 0.0001	+0.0003	B,V	Min I

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Goudis, C. and Meaburn, J.: 1973, *Astrophys. Space Sci.*, 20, 149.
Hopp, U., Witzigmann, S. and Kiehl, M.: 1979, *I.B.V.S.* No 1599.