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PHOTOELECTRIC OBSERVATIONS OF u Her

Photoelectric observations on the eclipsing variable u Her (68 Her, BS=HR 6431, HD 156633, BD +33°2864, GC 23359) were carried out, in B and V, from 1974 to 1978. The observations were made using the two-beam, multi-mode, nebular-stellar photometer (Goudis and Meaburn, 1973) of the National Observatory of Athens attached either to the 25-inch Newall refractor (1974-75), at Penteli Astronomical Station, or to the 48-inch Cassegrain reflector (1976-1978) at Kryonerion Astronomical Station (Contopoulos and Banos, 1976).

The stars  $\epsilon$  Her (58 Her, BS 6324, HD 153808) of  $m_V^{=}3.87$  and B-V=-0.03 and 59 Her (BS 6332, HD 154029) of  $m_V^{=}5.25$  and B-V=+0.02 were used for comparison and checking, respectively. The filters used are in close accordance with the standard ones. Reduction of the observations has been made using Hardie's method (1962). The estimated uncertainties for a single observation are of the order of  $\pm 0.000$ 006 in V and  $\pm 0.000$ 009 in B.

The following data were found:

Hel.J.D. 2440000+	Phase	(O-C) days	$^{\rm m}$ V	(B-V)	
2225.5041 2279.3438 2280.3750 2282.4236	Min I Max Max Max	0.0105	5.277 4.641 4.643 4.640	$ \begin{bmatrix} -0.046 \\ -0.001 \\ -0.004 \\ -0.010 \end{bmatrix} $	Penteli
3283.3264 3309.4792 3310.5069 4029.3889	Max Min II Min I Min II	0.0071 0.0093 0.0070	4.661 5.055 5.280 5.073	-0.019 -0.017 -0.046 -0.030	Kryonerion

In the residuals (O-C) the C values were calculated using

the ephemeris formula given by Kukarkin et al., (1969).

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## References:

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