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PHOTOELECTRIC TIMES OF MINIMA OF ECLIPSING VARIABLES

During a program of photoelectric observations of eclipsing variables at Kryonerion Observatory, Greece, the close eclipsing systems V566 Oph (BD+5^o 3547) and V388 Cyg (BD+30^o 4051) were observed photoelectrically in July 1981 and September 1982, respectively. The observations were made with a 48-inch Cassegrain reflector 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.

The times of minima, given in the following Table I, were determined by the method of bisecting chords which connect the points of equal magnitudes on the opposing branches near the minimum.

Table I

Star	HJD 2440000+	E	O-C	Filter	Rem.
V566 Oph	4795.3461	10684.5	+0.0085	B,V	MinII
V566 Oph	4796.3698	10687	+0.0081	B,V	MinI
V566 Oph	4797.3946	10689.5	+0.0088	B,V	MinII
V566 Oph	4798.4191	10692	+0.0091	B,V	MinI
V566 Oph	4799.4434	10694.5	+0.0093	B,V	MinII
V388 Cyg	5228.4142	13554.5	-0.1413	B,V	MinII
V388 Cyg	5231.4186	13558	-0.1436	B,V	MinI
V388 Cyg	5232.2786	13559	-0.1427	B,V	MinI

The successive columns contain the name of the star, the heliocentric time of minimum, the number of cycles E , the difference $O-C$, the filter used and remarks. The $O-C$ values for V566 Oph were computed according to the ephemeris given by Dawson and Narayanaswamy (1977):

$$\text{MinI} = \text{JD Hel } 2440418.4931 + 0.40964431 \times E$$

while the $O-C$ values for V388 Cyg were calculated according to the ephemeris (Cerruti-Sola, M. et al., 1977).

$$\text{MinI} = \text{JD Hel } 2433584.542 + 0.8590515 \times E$$

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References:

- Cerruti-Sola, M., Lorenzi, L. and Scaltriti, F.: 1977, *Astron. Astrophys. Suppl.* 27, 435.
 Dawson, D.W. and Narayanaswamy, J.: 1977, *P.A.S.P.* 89, 47.
 Goudis, C. and Meaburn, J.: 1973, *Astrophys. Space Sci.*, 20, 149.