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PHOTOELECTRIC TIMES OF MINIMA OF TT Her

On years 1978 and 1979, about 4500 U-B-V photoelectric observations of the eclipsing binary TT Her (BD $+17^{\circ}3117$)were performed at the Teramo Observatory. The observations will be published elsewhere.

The photometric equipment is a single-channel pseudo-multiband photon-counting photometer which is controlled by a DEC PDP 11-minicomputer.

The photometer is attached to the Nasmith focus of the 50 cm Askania reflector of the Capodimonte Astronomical Observatory in Naples stationed at Teramo. An EMI 6506 photomultiplier has been used with Schott filters GG14+GG13 (2mm) for V, BG12 for B and UG2 for U.

Six times of minima have been calculated by means of the Kwee and Van Woerden method (1956) from the data at our disposal. By a differential correction procedure it was computed a linear ephemeris, taking also into account other data from the literature (van Genderen, 1969; Pohl and Kizilirmak, 1972). The linear ephemeris we obtained is:

$$\text{Hel. J.D. Min.I} = 2444025.4596 \pm 7 + 0.91207838 \pm 11 \cdot E \qquad (1)$$

In the Table below are listed the times of minima, their (O-C)'s from (1) and the standard deviation σ of each time of minimum:

J.D. 2 400 000+	E	O-C	σ
44015.4245	-11	-0.0023	±0.0013
44015.4262	-11	-0.0005	0.0004
44015.4254	-11	-0.0013	0.0007
44025.4547	0	-0.0049	0.0025
44025.4599	0	+0.0004	0.0010
44025.4574	0	-0.0022	0.0011

A. D'ORSI, S. MARCOZZI, L. MILANO
Capodimonte Astronomical Observatory, Naples, Italy

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Kwee, K.K., van Woerden, H.: 1956, Bull. Astron. Neth. 12,327
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