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TY Men - DETERMINATION OF NEW LIGHT ELEMENTS *

Three color differential photoelectric observations of the eclipsing variable TY Men (BV 457) were made by Austin between February 1972 and October 1974 at the Mount John University Observatory. These new observations, with scatter typically less than 0.02 magnitude (Fig.1), enabled us to refine the light elements quoted by Schöffel and Mauder (1).

The standard photoelectric reductions were made using a computer program developed by Schneider (2). A computer curve fitting technique was used to generate an improved period, from which a new epoch of symmetric primary minimum was determined. We find

$$JD_{\min} = JD 244 1353.986 + 0^d461667 E$$

The residual for the epoch of minimum given by Schöffel and Mauder is 0.003 days. The evidence is insufficient for any study of a period change on these elements.

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References:

- (1) Schöffel, E., and Mauder, H., 1967 Veröff. Remeis-Sternw. Bamberg VII, 60
- (2) Schneider, W.H., 1975, private communication

*Rosemary Hill Observatory Contribution, No. 58.

Fig. 1. UVB light curve of TY Men.

