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NEW OBSERVED TIMES OF MINIMA FOR MR Cyg, V477 Cyg

Photoelectric observations of these two Algol class eclipsing binaries were carried out at the 0.4 meter telescope at the Morgan-Monroe Station of the Goethe Link Observatory of Indiana University. V477 Cyg and MR Cyg were observed on September 14 and October 4, 1987 (UT), respectively.

The photometric equipment consisted of a 1P21 photomultiplier tube in a dry ice cooled housing, pulse counting electronics, with microcomputer control of data acquisition and data recording. BD +47°3622 and BD +31°3926 were used as comparison stars for MR Cyg and V477 Cyg, respectively. The times of minima given below were obtained from light curves in U and V for the two stars.

	<u>MR Cyg</u>	<u>V477 Cyg</u>
Hel. Primary Minimum	2447072.6211	2447052.5946
	+6	+11

For V477 Cyg, the period $2^d.346993$ of the linear approximation of O'Connell (1970) and the epoch JD 2445139.7944 of Lacy et al. (1987) combine with the above result to produce an O-C value of $+0^d.0009 \pm 0^d.0011$, verifying the usefulness of O'Connell's approximation as updated by Lacy et al.

For MR Cyg, the above result yields an O-C value of $+0^d.0050 \pm 0^d.0006$ using the mean ephemeris calculated by Battistini et al. (1972), and an (O-C) value of $+0^d.0012 \pm 0^d.0006$ using the mean ephemeris calculated by Söderhjelm (1978). However, the period ($1^d.6770345$) and epoch (JD 2427013.612) of Lavrov (1965) produce an O-C value of $-0^d.0005 \pm 0^d.0006$, indicating possible reversal of the abrupt period decrease occurring circa 1966, discussed by Söderhjelm (1978).

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