

COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS
Number 1701

Konkoly Observatory
Budapest
1979 November 5

PHOTOELECTRIC MINIMA OF AW UMa AND W UMa

Photoelectric observations of eclipsing systems AW UMa and W UMa were made on twelve nights from February through April 1979 using the 38 cm. reflector at the Villanova University Observatory. Complete light curves were obtained for both stars. A pair of wide and narrow interference filters centered on the H α feature were used, their characteristics are: H α w (max = 6595; HW FH = 270Å), H α n (max = 6569; HWHF = 36 Å). A further description of the equipment and system is given by Guinan and Tomczyk (1979).

The usual sky-comp. -var. -comp. -sky observing sequence was used in the collection of the data. The tracing paper method (Szafraniec, 1948) was used to determine the time of minimum light for data collected through the H α w filter. The ephemeris for AW UMa was JD Hel. 2438044.7815 + 0.4387318 (Kalish, 1965) and for W UMa it was JD Hel. 2433282.6828 + 0.3336379 (Rigterink, 1972).

Star	Time of Min. (JD Hel.)	O - C	Observer
AW UMa	2443945.7220	-0.0022	McNamara
	2443948.7927	-0.0026	Stoke
W UMa	2443924.7296	-0.0021	Hart
	2443949.7516	-0.0029	King
	2443941.7443	-0.0029	Seaman

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Rigterink, P. V., 1972, Astron. J., 77, 230.
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