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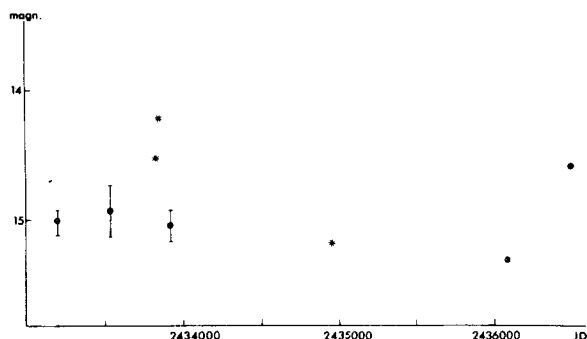
NOTE ON THE PHOTOMETRIC HISTORY OF HBV 475

The peculiar variable star V1329 Cygni (=HBV 475) was found and its photometric behaviour studied on 22 plates taken at the University of Oklahoma Observatory between 1950 and 1957. The instrument used was the 83 mm astrograph in combination with Kodak 103a0 plates. The brightness of the variable was estimated on the plates using the set of comparison stars as adopted by Kohutec (I.B.V.S. 384, 1969).

The results are given in the table below. The figure shows three normal points formed from these data, two later single observations and magnitude estimates based on the Lick and Palomar Sky Atlas prints, as given by Kohutec and Bossen (Ap Letters 6, 157). The figure indicates a relatively constant brightness of the variable near 15.0 magn. for the period considered; this also fits the observations by Arhipova and Mandel (I.B.V.S. No.762,1973). Only the two estimates on Palomar prints differ to some extent.

The indicated scatter may not be entirely due to observational errors. There is a possibility of short term variations: on JD 2433202, a definite change in the brightness is recorded on two plates exposed 17 minutes apart.

JD	Mag.	JD	Mag.	JD	Mag.	JD	Mag.
243....		243....		243....		243....	
3179.583	15.4	3202.583	14.7	3503.681	15.9	3927.576	15.2
179.694	15.3	205.558	14.8	533.658	14.9	949.554	15.0
182.706	14.8	205.668	14.8	563.677	15.2	6110.687	15.3
185.621	14.8	215.566	14.8	564.706	14.8	495.700	14.6
200.573	14.8	239.564	14.9	585.590	14.8		
202.571	15.9	266.532	14.8	888.617	14.7		



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Oklahoma Measurements of HBV 475. Asterisks mean estimates on Sky Atlas prints.