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PHOTOELECTRIC MINIMA OF SOME ECLIPSING VARIABLES

The eclipsing binaries U CrB, DO Cas and V470 Cyg have been observed - in B and V - during 1979 with the two-beam, multi-mode, nebular-stellar photometer of the National Observatory of Athens attached to the 48-inch Cassegrain reflector at the Kryonerion Astronomical Station. Thus, one primary minimum has been observed for U CrB, one primary and one secondary for DO Cas and one secondary for V470 Cyg.

The following Table summarizes our results. It gives the star's name, the Hel. Julian Day, the residuals O-C, the mean error σ and the type of minimum.

Table

Name of the star	Hel. J.D. 2444000+	O-C days	σ days	Type of Min.
V470 Cyg	053.4546	-0.0010	0.0002	II
U CrB	058.3456	-0.0054	0.0003	I
DO Cas	142.3510	-0.0069	0.0006	I
"	193.3577	-0.0076	0.0009	II

The times of minima as well as the mean errors σ have been computed by Kwee and Van Woerden's method (1956). The ephemeris used is that of Kukarkin et al. (1969).

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1. Kukarkin, B.V., et al.: 1969, Gen.Cat. of Var. Stars, Moscow
2. Kwee, K.K. and Van Woerden, H.: 1956, Bull.Astr.Inst. Neth. 12, 327