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TIMES OF MINIMUM LIGHT FOR U CEPHEI IN 1986

We present here three times of minimum light for U Cephei observed with the 50-cm reflector of Hyogo University of Teacher Education in 1986. Observations were performed with UBV filters and an uncooled 1P21 photomultiplier tube. We determined the times of minimum using the bisection of chords method.

TABLE I
PHOTOELECTRIC TIMES OF MINIMUM LIGHT IN 1986

JD(Hel) -2440000	E	O - C (days)	d (days)
6496.1757	3291	0.0758	>0.063
6526.0905	3303	0.0741	0.086
6723.0434	3382	0.0767	0.095

The results are listed in Table I. The first column gives the observed times of minimum light. The second and third columns list cycle count and O–C calculated with the ephemeris

JD (Hel) min I = 2438291.5020 + $2^{d}.4930410E$,

as Olson et al. (1985) did. The fourth column gives an estimate of the apparent duration of totality. All these values are based upon the V data. The third contact of the E = 3291 eclipse could not be observed due to a temporary cloud. Therefore, we cannot judge whether or not the eclipse was an undisturbed one according to the Crawford and Olson's (1979) criterion, $d \geq 0.075$ day. The other two eclipses were certainly undisturbed ones.

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