

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

Number 1335

Konkoly Observatory
 Budapest
 1977 September 8

MINIMA OF ECLIPSING VARIABLES

During February of 1977 the author observed the eclipsing binaries RZ Cas and W UMa photoelectrically with the 20-inch reflector at the Urals University Observatory. A yellow filter was used in the photometer. Visual times of minima have been observed with a binocular.

The heliocentric times of the observed minima determined by the chord bisection method are given in the table, along with the epoch number E, the O-C values and the number of estimates n.

Star	Min. hel JD 244...	E	O-C	n	method of obs.
U Cep	3098. ^d 1191	14123	+0. ^d 5896	31	vis
	3113.083	14129	+0.596	9	"
	3128.041	14135	+0.596	11	"
	3138.012	14139	+0.596	9	"
	3142.998	14141	+0.596	8	"
RZ Cas	2770.0220	21263	-0.0425	18	"
	3101.1078	21540	-0.0414	21	"
	3113.0585	21550	-0.0433	10	"
	3130.9860	21565	-0.0444	15	"
	3136.9627	21570	-0.0444	15	"
	3142.9406	21575	-0.0424	11	"
	3150.1115	21581	-0.0438	19	"
	3193.1370	21617	-0.0466	23	pe
W UMa	3234.9729	21652	-0.0445	12	vis
	3189.2229	63938.5	-0.0091	15	pe
	3219.082	64028	-0.011	14	vis
	3220.083	64031	-0.010	15	"
	3222.083	64037	-0.012	17	"

The O-C values were computed using the elements :

$$\text{U Cep Min. hel JD} = 2407890.^d2957 + 2.^d4929005 \cdot E$$

RZ Cas Min. hel JD = 2417355.^d4233 + 1.^d1952519·E

W Uma Min. hel JD = 2421856.^d9401 + 0.^d333637665·E.

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