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CURRENT ELEMENTS FOR RZ CASSIOPEIAE

Approximately 500 visual and 35 photoelectric timings of minima were used by the writer to examine the period of RZ Cassiopeiae between 1950 and 1965^{1/}. Residuals indicated that the star's period over this interval averaged about 88×10^{-7} day less than that given by Parenago^{2/}, $1^d.1952519$.

The residuals defined four distinct slopes to the O - C curve. The most recent change began in 1960, after which the period of RZ Cassiopeiae was $1^d.1952472$. To represent recent minima, these elements have been adopted,

$$\text{Min} = \text{JD } 2437143.9886 + 1^d.1952472 \text{ E.}$$

Residuals of recent visual normals^{1/} to Parenago's elements^{2/} and to the above elements follow.

<u>JD nor.min.</u> + 2400000	<u>E_p</u>	<u>O - C_p</u>	<u>E_R</u>	<u>O - C_R</u>
37171.4786	+16,579	-0.0260	+23	-0.0007
37316.1062	16,700	-0.0238	144	+0.0020
37540.8117	16,888	-0.0257	332	+0.0010
37618.5045	16,953	-0.0243	397	+0.0028
37893.4099	17,183	-0.0268	627	+0.0013
38008.1540	17,279	-0.0269	723	+0.0017
38285.4454	17,511	-0.0339	955	-0.0043
38360.7505	17,574	-0.0297	1,018	+0.0003
38629.6798	17,799	-0.0321	1,243	-0.0011
38732.4696	+17,885	-0.0339	+1,329	-0.0025

1. L.J. Robinson, submitted for publication in Variable Stars.
2. P.P. Parenago, Variable Stars, 2, 2, 125, 1952.

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