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PHOTOELECTRIC MAXIMA OF RZ CEPHEI

This report continues the one in IBVS 915 and contains 3 maxima observed in V light in Cluj-Napoca (1974) and 6 maxima observed in V and B light in Trieste (1975).

Having in view the varying shape of the light-curve around the maximum of RZ Cep, Pogson's method and "mean" light-curve were used in order to determine the heliocentric times of maxima. The number of the used observations is given under "n".

The O-C differences were computed by using the linear elements:

$$\text{Max. hel.} = \text{JD } 2419313.240 + 0^{\text{d}}.3086731 \cdot E$$

In order to have a general picture of the period variation we have constructed the diagram  $O-C = f(E)$  for normal maxima. In the case of RZ Cephei the problem of the period variation is very complex and yearly some observed maxima are needed.

From the diagram (Fig.1) it seems that, at present day, a variation may occur in length of the period.

Max.hel.	n	O-C	E
2442000			
255.409	26	+0 <sup>d</sup> .041	74325
309.422	28	.036	74500
340.290	44	.037	74600
631.363	10	.031	75543
634.456	37	.037	75553
635.375	12	.030	75556
639.388	26	.031	75569
645.563	10	.032	75589
646.491	34	+0.034	75592

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Fig. 1

