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FURTHER COMMENTS ON THE PERIOD OF V 743 Cen

In the discussion about the period of V 743 Cen by Geyer and Vogt (I.B.V.S. No.1172, 1976) the presented (O-C)'s are based on a period of 0.10225435 days. Its value, rounded to six decimals, as was given in that paper, yields much larger (O-C)'s for the recent observations, though it is close to the period given by Kukarkin et al. (2nd.Suppl.General Catalogue, 1974).

A further investigation of the observed maxima with the "period finding program" mentioned in I.B.V.S. No. 1172 gives another plausible slightly shorter period for this object, though the standard deviation for the (O-C)'s is a bit higher. In the Table below are listed the least square solutions for the light elements of the two possible periods, as well as the S. Dev. for the resulting (O-C)'s.

Table

Possible Light Elements for V 743 Cen

Epoch T_o(max.) J.D.hel. 240 0000+	P days	S.Dev. days
3 9243.6436	0.10225435	$3.02 \cdot 10^{-3}$
3 9243.6465	0.10222560	$3.65 \cdot 10^{-3}$

Only future observations of this star can decide which period is the real one.

E.H. GEYER
Astron. Institute der
Universität Bonn
Observatorium Hoher List