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PERIOD CHANGE IN THE ECLIPSING BINARY GK CEPHEI

The Cracow yearbook for 1985 (Rudnicki, 1984) remarks that observations of GK Cephei are needed to determine the current elements. The following photoelectric timings have been made by members of the BAA Variable Star Section. The column 0-C₁ gives residuals against the previous elements (Dworak, 1975)

$$\text{Min I} = 2438694.7063 + 0^{\text{d}}.936157 \text{ E}$$

and the column 0-C₂ is against the revised elements

$$\text{Min I} = 2441946.9191 + 0^{\text{d}}.936170 \text{ E.}$$

Hel. J.D.	Min.	0-C ₁	0-C ₂	Observer
2441946.9191	I	+0.0034	0.0000	T. T. Gough
4937.516	II	+0.047	+0.002	M. Peel
5671.4680	II	+0.0517	-0.0034	M. Peel
6162.4943	I	+0.0636	+0.0017	J. Ellis

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References:

- Dworak, T.Z. 1975, Acta Astr., 25, 103.
Rudnicki, K. (ed.), 1984, Rocznik Astronomiczny Obserwatorium Krakowskiego, International Supplement No. 56.