

COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS
Number 2842

Konkoly Observatory
Budapest
28 December 1985
HU ISSN 0374 - 0676

MINIMA TIMES OF GO CYGNI

The short period eclipsing binary GO Cygni was photoelectrically observed during July and September 1985. The observations were made using a two-beam, multi-mode, nebular-stellar photometer attached to the 48-inch Cassegrain reflector at the Kryonerion Astronomical Station of the National Observatory of Athens.

Reduction of the observations was made using Hardie's (1962) method, while the B and V filters used are in close accordance to the standard ones. Our observations and light curves of GO Gyg will be appeared and analysed elsewhere. Here, we shall give only the five new minima times which were derived from our observations. They are presented in the following Table, the successive columns of which give : the heliocentric Julian date, the residuals $(O-C)_K$ and $(O-C)_S$ - where the C's were found using Kukarkin's et al. (1976) and Sezer's et al. (1985) ephemeris formulae, respectively and the type of minimum.

The minima times have been calculated using the Kwee and Van Woerden method (1956) and are the mean values of B and V observations. Moreover, it must be pointed out that the minima times for secondary minima were found as usually, although it seems from our observations that there is a very small eccentricity.

Table I

Hel. J. D.	(O-C) _K	(O-C) _S	Min
2440000.+	days	days	Type
6264.4795	+0.0428	-0.0046	I
6325.4892	+0.0426	-0.0037	I
6327.2790	+0.0370	-0.0117	II
6328.3597	+0.0421	-0.0057	I
6329.4275	+0.0338	-0.0155	II

H. ROVITHIS - LIVANIOU

Section of Astrophysics-

Astronomy and Mechanics

Dept. of Physics,

Athens University

Panepistimiopolis, GR 157 71

ZOGRAFOS, GREECE

P. ROVITHIS

Astronomical Institute,

National Observatory of Athens

Athens 118 51,

GREECE

References :

Hardie, R. H. : 1962, in W.A. Hiltner (ed.), Stars and Stellar Systems Vol. II, Astronomical Techniques, The University of Chicago Press, Chicago.

Kukarkin, B. V. et al. : 1976, Third Supplement to the Third Edition of the General Catalogue of Variable Stars, Moscow.

Kwee, K.K. Van Woerden, H. : 1956, Bull. Astron. Inst. Neth. 12, 327.

Sezer, C., Gülmen, Ö. and Güdür, N. : 1985, I.B.V.S. No. 2743.