

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

Number 1384

Konkoly Observatory
Budapest
1978 February 7

ON THE PERIOD OF THE Ap VARIABLE HR 8861

Photoelectric observations of the Ap star HR 8861 (=HD 219749=ET And) have been carried out at the Ege University Observatory from June 1977 to December 1977, a total of 19 nights. The observations were obtained in the u,v,b colours with the 48 cm Cassegrain telescope equipped with an unrefrigerated 1P21 photomultiplier.

HR 8870 (=HD 219891) (6^m.4, A2) and HR 8857 (=HD 219668) (6^m.4, KO) were used as comparison and check star, respectively.

From Rakos' (1962) photometric observations, Rakos (1962) and Renson (1965, 1977) give the periods as 2^d.604, 0^d.723 and 1^d.618, respectively. However, none of these periods show any agreement with my observations.

Observations of four minima were received in u,v,b and a new set of light elements of HR 8861 were determined as

$$\text{Hel.Min.} = \text{JD } 24 \ 43 \ 337.^d4725 + 0.^d49925 \cdot E.$$

$\pm 7 \qquad \qquad \pm 8$

CENGİZ SEZER
Ege University Observatory
P.K. 21
Bornova-Izmir, Turkey

References:

- Rakos, K.D. 1962, Lowell Obs. Bull. 5, 227
Renson, P. 1965, Bull.Soc.roy.Sci.Liege 34, 302
Renson, P. 1977, Astron. Astrophys. 54, 279