

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

Number 1310

Konkoly Observatory  
 Budapest  
 1977 July 27

BV OBSERVATIONS OF THE DWARF CEPHEID EH Lib

According to the programme of investigation of dwarf cepheids two-colour photoelectric observations of EH Lib were carried out in the years 1974-1976. Within 13 nights over 500 observations of the variable in the photometric system close to BV have been obtained. From these observations 11 moments of maximum light of EH Lib have been derived for each colour.

The epochs and the deviations (O-C) are computed from the elements D3 GCVS, 1968:

$$\text{Max. J.D.} = 2433438.6073 + 0.088413276 \cdot E.$$

The moments of maxima, epochs and deviations observed are as follows:

Max. J.D.	E	(O-C)	
2442162.5182	98672	-0. <sup>d</sup> 0040	B
.5180	98672	-0.0041	V
182.4132	98897	-0.0018	B
.4135	98897	-0.0015	V
541.4591	102958	-0.0023	B
.4585	102958	-0.0029	V
544.3756	102991	-0.0034	B
.3760	102991	-0.0030	V
.4655	102992	-0.0019	B
.4651	102992	-0.0023	V
577.4435	103365	-0.0021	B
.4440	103365	-0.0016	V
871.5064	106691	-0.0017	B
.5075	106691	-0.0006	V
.5936:	106692	-0.0029:	B
.5929:	106692	-0.0036:	V
872.4775	106702	-0.0032	B
.4770	106702	-0.0037	V
.5654	106703	-0.0037	B
.5661	106703	-0.0030	V
874.5107	106725	-0.0035	B
.5107	106725	-0.0035	V

The observations support the conclusion made on the variability of the period of light variations of EH Lib.

V.G. KARETNIKOV  
Yu.A. MEDVEDEV  
Astronomical Observatory  
of the Odessa University  
USSR