

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

Number 2693

Konkoly Observatory
Budapest
25 March 1985
HU ISSN 0374 - 0676

PHOTOELECTRIC TIMES OF MINIMUM LIGHT OF HI PUPPIS

The first photoelectric observations of HI Puppis (= CoD -49°2909 = CPD -49°1276 = S 4884) were obtained in January, 1981 with the 0.6-m telescope at Cerro Tololo Inter-American Observatory in Chile. Differential measurements in B and V were made on nine nights resulting in 780 individual observations in each bandpass. Each observation is an average of two ten second integrations.

The times of minimum light shown in Table I were determined by an iterative process using the method of Hertzsprung (1928). Photographic epochs of minimum light were previously obtained by Hoffmeister (1956). The O-C values in Table I were computed from the ephemeris

$$\text{Min I (Hel. J.D.)} = 2444609.7720 + 0.43256515 E \\ \pm 0.0025 \pm 0.00000014 \quad (\text{p.e.})$$

which was derived by a least squares analysis utilizing the photoelectric and photographic data. The times of minimum were weighted 10 to 3, photoelectric to photographic.

The observations, period study, and analyses of the light curves are being published separately.

Table I. Times of minima for HI Pup

HEL. J.D.	MIN	EPOCH	O-C	FILTER
2444608.69007	II	-2.5	0.0005	B,V
2444609.77208	I	0.0	-0.0001	B,V
2444611.71909	II	4.5	-0.0006	B,V
2444614.74561	II	11.5	0.0009	B,V
2444616.69329	I	16.0	-0.0003	B,V

J.R. KERN and BEVERLY B. BOOKMYER
Dept. of Physics and Astronomy
Clemson University
Clemson, SC 29631
U.S.A.

References:

- Hertzsprung, E., 1928, *Bull. Astr. Inst. Netherlands* **4**, 179.
Hoffmeister, C., 1956, *Veröff. Sonneberg*, **3**, (1), 7, 26.