

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

Number 2309

Konkoly Observatory
Budapest
8 April 1983

HU ISSN 0374 - 0676

1981-82 LIGHT CURVE OF II PEGASI

A recent note by Byrne et al. (1983) prompts us to make available our 1981 photometry of the interesting RS CVn binary II Pegasi.

II Peg was observed differentially on 19 nights between September 1981 and August 1982 with the 48-inch Newtonian at Cloudcroft Observatory. The comparison star was BD + 28^o4648, which is C-2 of Byrne et al. The nightly means (which include from 1 to 10 individual differential magnitudes in V of the UBV system) are listed in Table I.

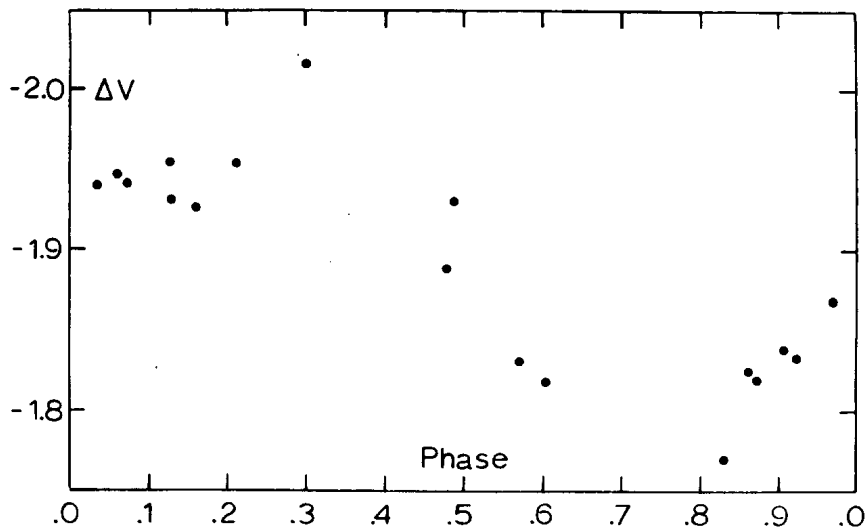
Nightly means are plotted in the Figure, where phase is computed with the ephemeris

$$\text{JD } 2443030.24 + 6^{\text{d}}.724183 \text{ E.}$$

Table I

Differential V photometry of II Pegasi in 1981-82

JD(he1.) 2444000+	ΔV	JD(he1.) 2445000+	ΔV
872.722	-1.803	120.929	-1.834
873.746	-1.927	121.955	-1.941
874.693	-2.016	153.935	-1.770
893.700	-1.955	158.911	-1.831
956.646	-1.931	160.939	-1.820
966.609	-1.869	167.915	-1.840
967.667	-1.932	168.925	-1.947
977.600	-1.818	187.764	-1.825
		188.930	-1.940
		191.925	-1.888
		196.854	-1.953



The first entry in Table I appeared discordant and is not plotted, although the discrepancy might be a result of the light curve's rapid variability rather than measurement error, since these observations span an interval of almost one full year.

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Reference:

Byrne, P. B., Butler, C. J., Andrews, A. D., Rodono, M., Catalano, S.,
 Pazzani, V., Linsky, J. L., Bornman, P., and Haisch, B. M. 1983,
 I.B.V.S. No. 2258.

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