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1986 J,K LIGHT CURVES OF II Peg

II Peg (HD 224085, SAO 091578) was observed during 6 nights from 19 to 26 June 1986, with the 1.5m. Infrared Flux Collector at the Observatorio de Izaña (Tenerife), using the IR single-channel photometer with an InSb detector cooled with liquid-nitrogen and the broad band filters J and K.

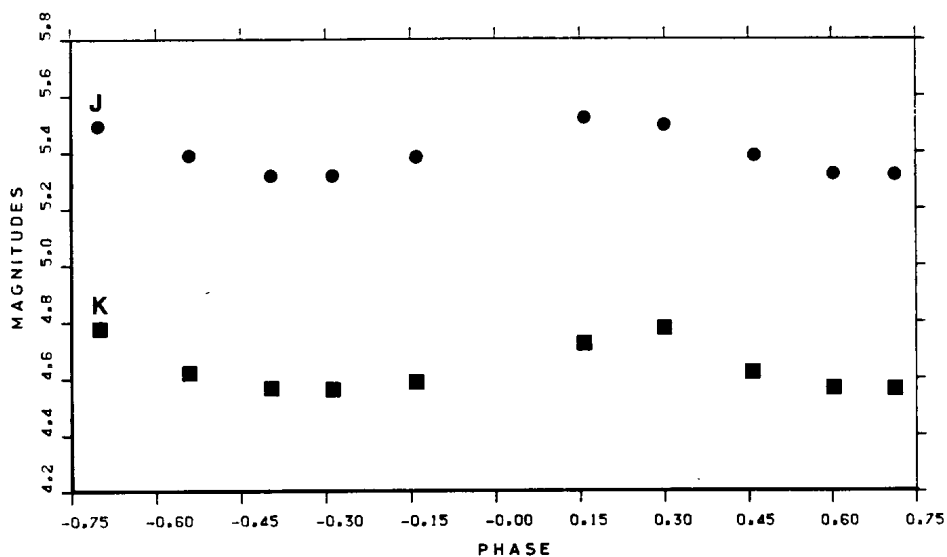
In order to check errors in the photometry we observed also the closest comparison star (SAO 091577).

The observed magnitudes were corrected for extinction by observation of standard stars (Koorneeff 1983) and reduced to Johnson's system. The dispersion in the comparison star was 0.01 magnitudes.

Table I gives the Julian heliocentric date, the J magnitude and the J-K colour, for each observation.

Table I

JHD	J	J-K
2446000+		
601.707	5.32	0.76
602.707	5.39	0.80
604.708	5.52	0.79
605.662	5.49	0.71
606.728	5.39	0.77
607.703	5.32	0.75



In the Figure we have plotted J and K magnitudes against phase calculated using the ephemerides of Rucinsky (1977):

$$JD = 2443033.10 + 6.724183E$$

It is interesting to note the clear delay between the minima in both filters. The minimum in J occurred near phase 0.15 while it was at about 0.30 in K.

A more detailed study of these light curves complemented by data in other filters is in preparation.

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 Rucinsky, S.M.: 1977, Publ. Astron. Soc. Pac.,89, 280