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PHOTOMETRIC OBSERVATIONS ON SZ Psc

Photometric observations of SZ Psc relative to the comparison star HD 219018 were obtained on 19th 20 August 1986 and 20th through 23rd September 1986. The data are shown in Fig. 1 as standardized  $\Delta V$  plotted against photometric phase computed according to the ephemeris by Percy (1985).

$$\text{Primary minimum} = \text{HJD } 2442308.843 + 3.965404 E - 1.13 \times 10^{-7} E^2.$$

Although the entire minimum was not observed it is clear that minimum light occurred later than predicted by approximately 9.5 hours or 0.10 phase. Some colour data were obtained in August and the exit from eclipse is plotted in Fig. 2 as a function of UT on the night of August 20th 1986.

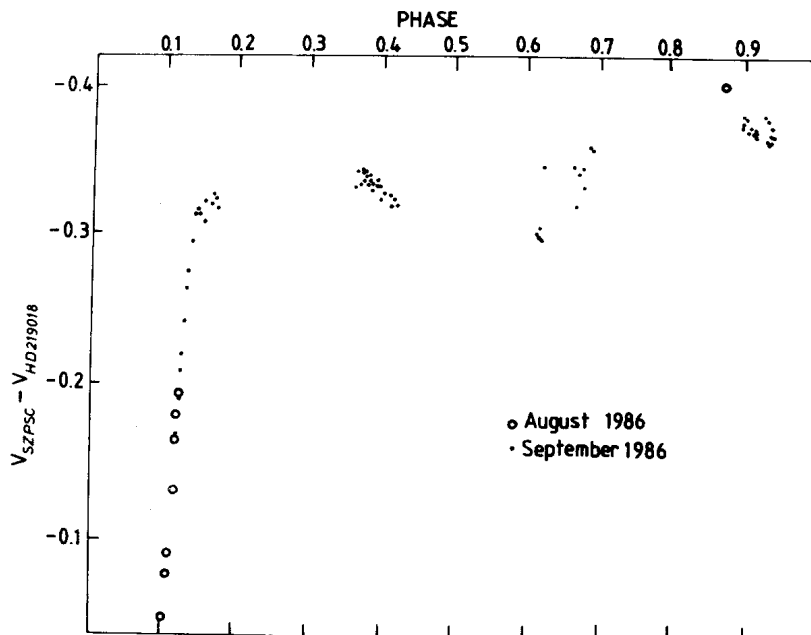


Figure 1

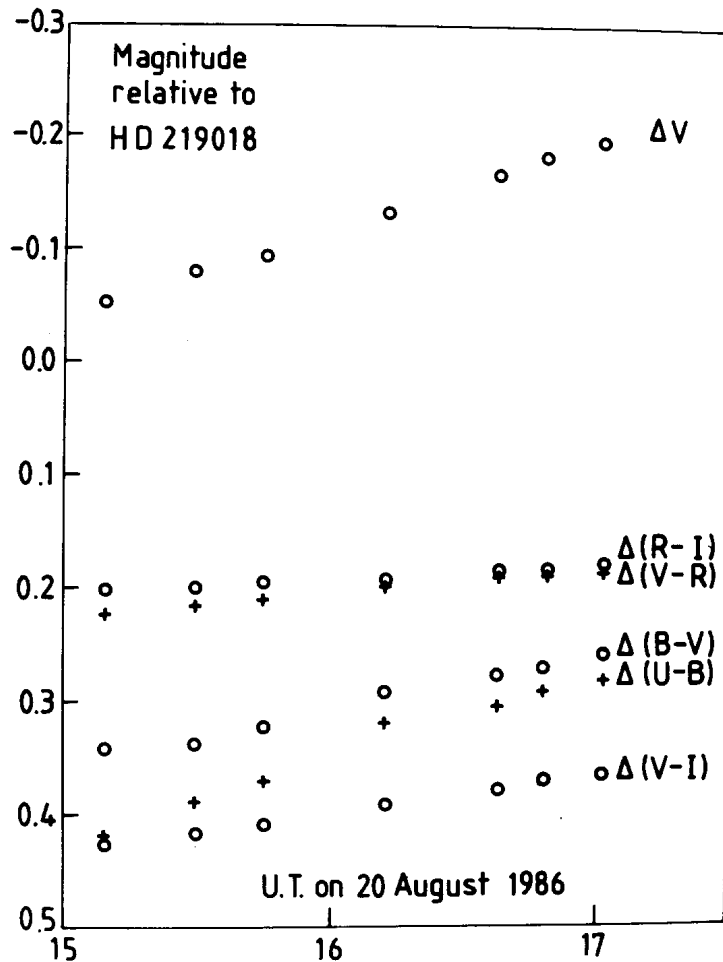


Figure 2

The check star HD 219114 was observed 13 times and its magnitude relative to HD 219018 was found constant at  $\Delta V = 0.185 \pm 0.007$ . The August data were obtained with the 1 m SSO telescope using the Twin channel chopper, the September data were obtained using the 0.4 m SSO telescope with a single channel photometer. I thank the Australian National University for the use of these telescopes.

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## Reference:

Percy, J.R., 1985, J. Roy. astr. Soc. Canada 79,113.