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THE PHOTOMETRIC BEHAVIOUR OF DR TAURI IN THE SEASON 1982/83

In supplementing and completing the known light curves in B (Götz, 1980, 1982) the star was inspected on 12 blue-sensitive sky patrol plates of Sonneberg Observatory (observer H. Huth) covering the time interval between 1982 August 22 and 1983 March 13. Besides, 26 plates in B (ORWO-ZU 21 + GG 13 + BG 12) from 25 nights between 1982 August 22 and 1983 March 13 were obtained with the 50/70 cm Schmidt camera of Sonneberg Observatory. On these plates the star was measured on the base of the given sequence of comparison stars (Götz, 1982).

All but one of the sky patrol plates are nearly congruent in date with the plates of the Schmidt telescope. Therefore the Schmidt plates were preferred in constructing the light curve which is shown in Figure 1. There the dots represent measurements on Schmidt plates and the open circle the only estimation on sky patrol plates which is not congruent in date. As in the light curve of the season 1981/82 (Götz, 1982) magnitudes estimated on objective prism plates are marked by crosses in Figure 1.

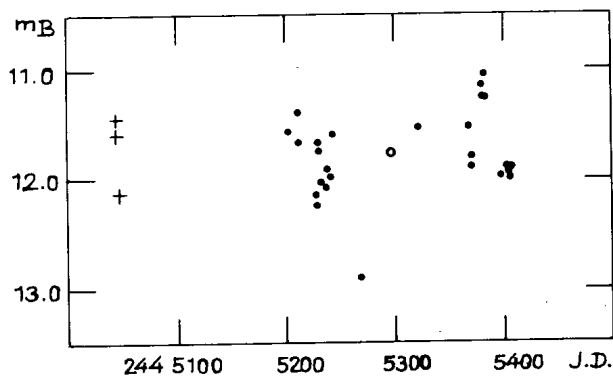


Figure 1

When comparing the given light curve with those obtained in former years we find that DR Tauri obviously has retained its mean brightness. There is only one weak light depression ( $m_B = 12.90$ ) which was starting from the bright normal light. But this statement does not contradict the expressed expectation, that the amplitude of the star became smaller in the last seasons.

More details about the behaviour of DR Tauri will be published in MVS.

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