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SOME REMARKS ON THE T TAURI STAR DR Tau

In supplementing and completing the known light curves (Götz, 1980) the star was inspected on 26 blue-sensitive and on 33 photovisual sky patrol plates of Sonneberg Observatory covering the time interval between 1980 January 12 and 1982 February 21. The used sequence of comparison stars in B is given in the finding chart in Figure 1. The apparent magnitudes m_B of these stars obtained by linking to the UBV-sequence of the open cluster NGC 1647 (Hoag et al., 1961) are listed in Table I. The comparison stars g,h,i and k are identical with the stars a,b,c and d given by Kholopov (1951).

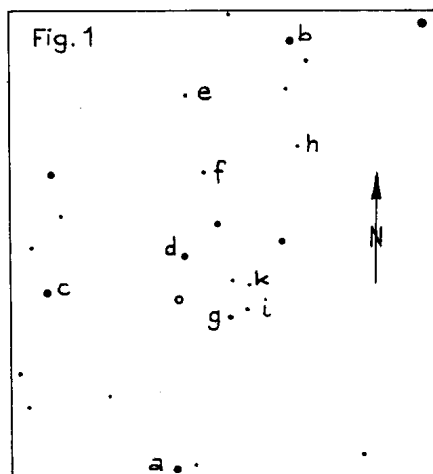


Figure 1

Table I

Comp. star	m_B	Comp. star	m_B
a	10.95	f	13.30
b	11.37	g	13.72
c	11.87	h	14.20
d	12.33	i	14.65
e	12.83	k	15.08

The extended light curve of DR Tau in B is shown in Figure 2.

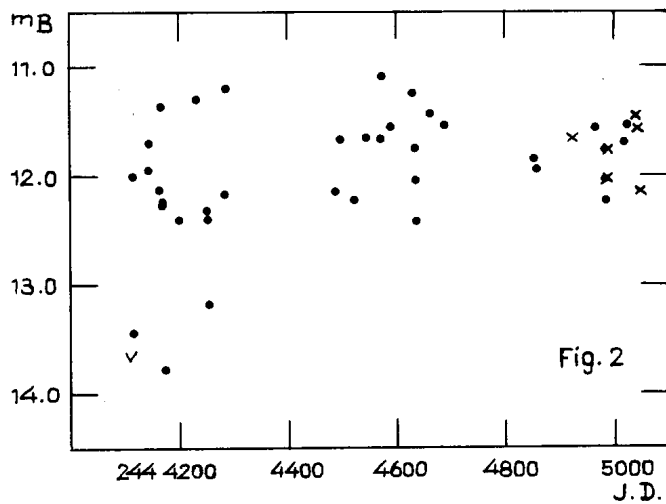


Figure 2

The star has retained its **mean brightness** obviously. But it is remarkable that the **strong light depressions** which were starting from the bright normal light and which were still observed in the season 1979/80 did **probable** not appear in the seasons 1980/81 and 1981/82.

The crosses drawn in **Figure 2** represent magnitudes estimated on 6 objective prism plates **obtained** with the 50/70/172 cm Schmidt camera of Sonneberg **Observatory**.

More details about the behaviour of DR Tau in the past years will be published in MVS.

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