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PHOTOMETRIC BEHAVIOUR OF DR TAURI IN THE SEASON 1987/1988

In completing and supplementing the light curve in B the star was measured on 21 blue-sensitive plates (ORWO-ZU21+GG13+BG12) from 11 nights obtained with the 50/70/172 cm Schmidt camera of Sonneberg Observatory covering the time interval between 2 October 1987 and 9 March 1988. The measurements, which are listed in Table I and which are given in the light curve in Figure 1 are linked to the previous sequence of comparison stars given by Götz (1982).

Table I

J.D.	$m_B$	J.D.	$m_B$
244...		244...	
7071.546	12. <sup>m</sup> 23	7175.347	12. <sup>m</sup> 00
7072.556	11.95	7175.363	11.87
7099.578	11.89	7205.453	12.40
7099.603	11.93	7205.472	12.52
7126.454	12.01	7206.437	12.15
7126.474	12.08	7206.458	12.09
7126.499	12.01	7207.320	11.42
7153.400	11.67	7207.338	11.83
7153.417	11.56	7230.302	11.91
7174.375	11.19	7230.320	12.00
7174.395	11.15		

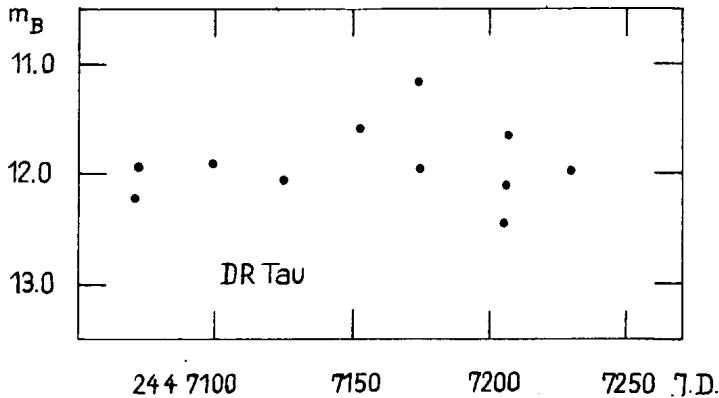


Figure 1

The light curve shows the star in an active phase, which is characterized by short time scale light depressions and brightness increase. The mean brightness of the star in the season 1987/1988 amounts to  $m_B = 11.90$  at a total amplitude of  $\Delta m_B = 1.37$ .

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Reference:

Götz, W., 1982, Inf. Bull. Var. Stars No. 2172.