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VARIABILITY OF NSV 01715

In measuring InT stars, DR and DQ Tauri, I noticed fairly big variability of a nearby star which was listed as NSV 01715. More than 350 photographs of this field were taken since 1980 with 18cm and 25cm Schmidt cameras. Tri-X film was used with the yellow-green filter which gives the brightness very close to visual magnitude.

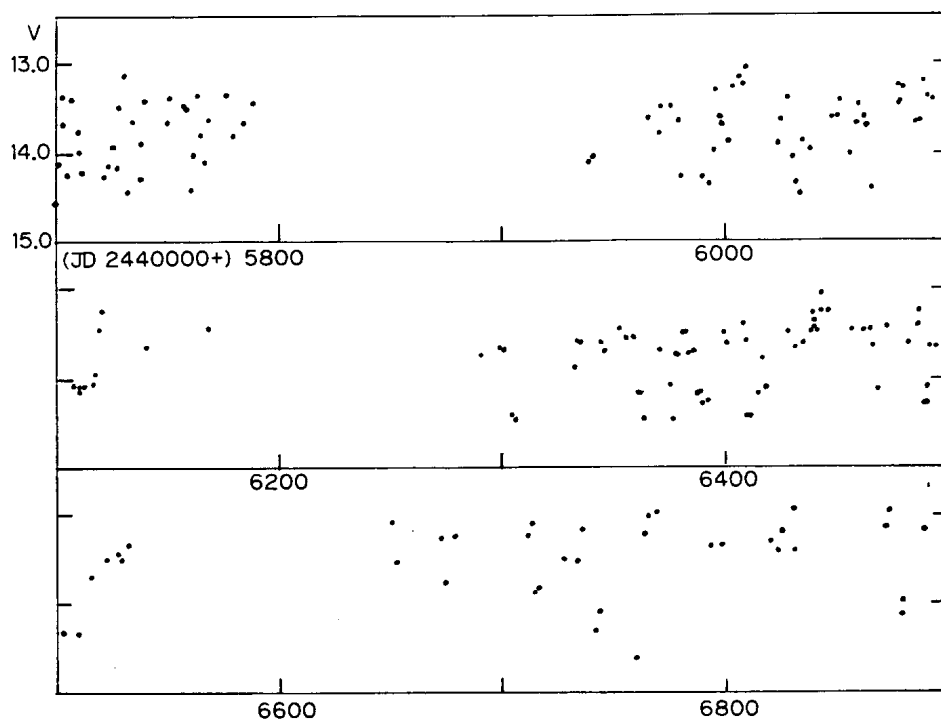


Figure 1. Recent variation of NSV 01715.

The results in recent years are shown in Figure 1. It is noticeable that the star often shows very rapid variation, more than one magnitude in a few days, being more active than DQ Tauri recently. The range was 13.0-14.6v so far.

The star was noticed by G. Haro, B. Iriarte and E. Chavira (1953) to have very strong H α emission, and was suggested to be an In variable. DR and DQ Tauri were found to be variable by P.N. Kholopov in 1951, but not this star. These facts make me imagine that the star was not so active in around 1951.

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