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B V OBSERVATIONS OF V 1057 CYGNI

Winnberg and Walmsberg (1979) found that this unusual FU Ori type variable star flared up again in the 1720 MHz OH line on May 30, 1979.

On six plates (Orwo ZU2) taken with the f/5 fourlens astrograph of the Observatorium Hoher List, B magnitudes were estimated. Photoelectric observations were made with the 75 cm telescope of the Wilhelm Foerster Observatory, Berlin, an uncooled 1P21 photomultiplier and Schott filters BG 12 + GG 13 for the B band and GG 11 for the V band. Comparison star data are adopted from Landolt (1975). Table I lists all magnitudes. The mean of the photographic observations is  $\bar{B}=12^m8 \pm 0^m1$ , 1978.6 the mean of the photoelectric observations is  $\bar{B}=12^m66 \pm 0^m01$ ,  $\bar{B}-\bar{V}=+1^m79 \pm 0.01$ , 1979.5. Herbig (1977) collected all available observations up to 1977 and determined an average fading rate of  $1^m7/6$  yrs. since the outburst in 1970. From this rate, one expects in 1978.6 a B magnitude of  $12^m74$  which is in good agreement with our photographic results. For 1979.5 one would expect  $B=12^m99$  which is  $0^m33$  less than the listed photoelectric B magnitude. Thus, a small optical outburst may be possible, too.

We have to thank the Observatorium Hoher List for the possibility to use the astrograph of the institute.

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References:

- Herbig, G.H., 1977 - *Astrophys.J.* 217, 693  
Landolt, A., 1975 - *Publ.Astron.Soc.Pacific* 87, 379  
Winnberg, A., Walmsley, C., 1979 - IAUC 3364

Table I

Date (J.D. geo.)	B	B-V	Method
244 3715 <sup>d</sup> 396	$12^m.7 \pm 0^m.1$		pg
3717.439	12.9		pg
3718.431	12.8		pg
3719.406	12.9		pg
3723.499	12.9		pg
3725.474	12.8		pg
4044.476	$12.65 \pm 0.04$	$+1^m.78 \pm 0^m.04$	pe
4045.488	12.68	+1.80	pe
4046.479	12.66	+1.68:	pe

The error in V is about  $\pm 0^m.01$ .