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PHOTOGRAPHIC PHOTOMETRY OF V1515 CYGNI IN THE YEARS 1983-1984

The results of the photographic photometry of V1515 Cygni - the third confirmed member of fuors (the group of FU Orionis stars) - in the interval from May 1983 to August 1984 are presented.

Table I

J.D.244...	u	J.D.244...	u	J.D.244...	u
5469.510	15.02	5588.336	15.24	5914.422	15.00
5469.517	15.03	5588.344	15.70	5914.458	15.44
5469.555	15.30	5588.351	15.32	5914.465	15.53
5469.563	15.45	5588.384	15.30	5914.472	15.40
5469.569	15.70	5588.392	15.42	5914.479	15.52
5470.546	15.20	5588.494	15.00	5916.462	15.28
5470.553	15.60	5588.501	15.11	5916.470	15.20
5471.513	15.43	5883.481	15.12	5917.517	15.36
5471.519	15.58	5883.488	15.04	5917.524	15.39
5471.527	15.50	5883.495	15.00	5920.503	15.00
5471.534	15.85	5883.502	15.22	5920.510	15.42
5471.553	15.22	5885.444	15.28	5920.517	15.20
5496.463	15.50	5885.451	15.07	5920.524	15.18
5496.470	16.10	5885.458	15.20	5920.551	15.18
5496.518	15.49	5914.365	15.38	5920.558	15.16
5496.526	15.45	5914.407	15.70	5920.566	14.90
5496.533	15.68	5914.414	15.00	5920.573	15.42
5587.515	15.13				

We estimated the magnitudes of V1515 Cygni (see Table I) on 21 multi-exposure plates (20/28 inch Schmidt telescope, ORWO ZU 21 emulsion, UG2 filter) using the same photometer and standard stars as published in our previous paper (IBVS, No. 2236, 1982). The multiexposure plates used offer the possibility to observe a quick variability of the order of a 10-minute exposure.

For the 1983-1984 period the star has kept its brightness, reached at the end of 1982, which is lower than the brightness of the star at the end of

1979 before its decrease in 1980. During the measurements the brightness of the star varied with an amplitude of 0.7 mag in the U-band sometimes within one hour.

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