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LIGHT VARIATIONS OF BD + 39°2193

In the process of obtaining photometry for 173 program stars, light variation was detected for BD + 39°2193 = HD 77443. Presented below are the magnitudes and colors for BD + 39°2193 with the heliocentric Julian Day for the V magnitude.

The average deviation for the five V observations listed was 0.047, whereas, the average deviation of the V observations for the program stars was 0.009. The observations presented here have a range of 0.175 magnitude in the V, 0.214 in B, and 0.160 in U.

The HD catalog gives the spectral type of BD +39°2193 as Mb, similar to that of Rho Persei. Rho Persei is a known SRb type variable, a designation given to semi-regular variables of late spectral types. These stars are giants with typical brightness variations of 0.7 magnitude.

HJD	V	B-V	U-B
244 0565.010	6.709	1.549	1.344
244 0567.989	6.777	1.548	1.321
244 0666.762	6.602	1.509	1.375
244 0682.686	6.745	1.471	1.308
244 0683.730	6.740	1.473	1.302

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