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Variability of massive stars in IC342 galaxy

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We report BR-bands monitoring of 6 massive star candidates selected in a 10×10 sq. arcmin field in north-east quarter of the IC342 galaxy on the base of our $B+H\alpha$ images obtained with the 2m RCC telescope at NAO Rozhen, Bulgaria. We analyzed 2.3 yr BR-light curves of the objects. The candidates demonstrate photometric variations smaller than 0.2 mag, and no overall brightness changes has been detected. We supplement our photometry with BV HST magnitudes, obtained by us using the DOLPHOT 2 package and gr magnitudes from the Pan-STARRS catalogue DR1 in order to expand the light curve coverage and to check for a blending effect of neighboring stars on our PSF ground-based photometry.

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