

NEW LIGHT CURVE OF MASSIVE STAR BINARY SYSTEM HD 152590

Moreno, Jonathan^{1,2}; Ferrero, Gabriel^{1,2}

¹ *Facultad de Ciencias Astronómicas y Geofísicas, UNLP, Argentina*

² *Instituto de Astrofísica de La Plata, CONICET-UNLP, Argentina*

Abstract / We present a new light curve of the eclipsing binary system HD 152590. It was obtained by differential photometry from a series of images in filters B, V, R and I from the Johnson & Morgan system. The observations were made with the 0.6 m Helen Sawyer Hogg (HSH) telescope, located on the Burek hill, that belongs to Complejo Astronómico El Leoncito (CASLEO) in Argentina. The comparison of our light curve with that obtained from the photometric data of the All Sky Automated Survey (ASAS) yields new hints on the existence of apsidal motion in this system.

Contact / jmoreno@fcaglp.unlp.edu.ar