Abstract Submitted
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Observations and Modeling of the New delta Scuti GSC 02087-02155 RAMSES GONZALEZ, RICHARD OLENICK, ARTHUR SWEENEY, University of Dallas — We report on observation of a potential new delta Scuti variable star, GSC 02087-02155, which was discovered in a data run of the STExTS project exoplanet search during a seven-week period the summer of 2012 in Pitkin, Colorado. The R band observations were made with a 200 mm astrograph f/1.5 stopped down to f/2.8. The 10,500 images were processed in the data pipeline and the light curves analyzed with Peranso. The candidate star is observed to have a pulsation amplitude of 0.020 mag with a fundamental period of 0.0910 d as well as exhibiting the Blazhko Effect. The observations and analysis of the star as well as preliminary modeling will be presented.

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