

Abstract Submitted
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Small Telescope Extrasolar Transit Searches (STExTS) Data Analysis ANDREW BECHTER, RICHARD OLENICK¹, ARTHUR SWEENEY, University of Dallas, BLAISE BUFRAIN, University of Dallas, ERIC BECHTER, University of Dallas, STExTX TEAM — In 2011 the STExTs project surveyed the open cluster Dolidze-Dzimselshvili 9 in Hercules for 37 nights using a f/2.8 152 mm astrograph during which time approximately 11,000 images were obtained. We will discuss the star extraction algorithm, systematic error removal algorithm, and analyses used in processing the lightcurves for approximately 1900 stars. We will present our findings on new variable star candidates as well as new characteristics of existing variable stars.

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