

Abstract Submitted
for the CUWIP22 Meeting of
The American Physical Society

Variable Star Studies at Thomas More Observatory¹ ASH COLEMAN, LINDSAY DAWSON, WESLEY RYLE, Thomas More University — The goal of these projects is to focus on variable stars, including pulsating variables and eclipsing binaries. In both cases, the stars can fluctuate in brightness over periods ranging from hours to weeks. A series of identified variable targets have been observed at the Thomas More Observatory, and data has been taken across different segments of the period for each target. The images taken have been analyzed for the change in brightness, and the period at each set of images has been calculated. The data for the brightness of each target has been compiled into a single graph revealing the shape of its light curve. This research is still ongoing, with more targets that will be observed over the next few months.

¹This work is supported by NASA Kentucky under NASA award No: 80NSSC20M0047.

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Date submitted: 11 Jan 2022

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