

Abstract Submitted
for the NWS06 Meeting of
The American Physical Society

Recent Observations of the Eclipsing Binary Star System: 44i-Bootes¹ CHRISTINA THOMPSON, Milwaukie High School, Milwaukie, OR, SCOTT HENDERSON, SATOMI SUGAYA, THOMAS OLSEN, Lewis & Clark College, Portland, OR — We report results from summer 2005 in an ongoing study of the eclipsing binary star system: 44i-Bootes. Light curves, representing the intensity of illumination received from the system over the course of a night were measured for a number of clear nights. The observation system has been improved with the introduction of a computer-guided 16" Ritchie-Chretien reflector. From this data, the time of eclipse is inferred. The period between eclipses has been slowly increasing since observations began, nearly a century ago. Residuals computed after the lengthening period is taken into account suggest an oscillation with a 60+ year period.

¹Murdock Charitable Trust & Rogers Science Research Program

Thomas Olsen
Lewis & Clark College

Date submitted: 25 Apr 2006

Electronic form version 1.4