Abstract

Presented is an attempt to measure the atmospheric composition of the transiting exoplanet 55 Cancri-e. This measurement was completed via the process of Echelle spectroscopy. All images were taken with the 0.9-meter telescope at Kitt Peak near Tucson, Arizona available to Ball State through the Southeast Association for Research in Astronomy (SARA) Consortium. All images were reduced using the Image Reduction and Analysis Facility (IRAF) software package.

Honors College
Ball State University
Muncie, IN 47306