

During the nights of December 21st and 22nd, 2003, the variable star named FZ Orion was observed using the 18" telescope at the SFA Observatory. The researchers were collecting data using photometry to further illustrate that FZ Orion is a short-period eclipsing binary star, which the star is known for. The purpose of this continued research was to analyze this data by measuring the apparent magnitude of FZ Orion using commercial image processing software for each of the images acquired. Using the measured apparent magnitude, a light curve was constructed - a plot of the apparent magnitude versus time. This light curve portrayed that the orbital period of the stars in FZ Orion is 12.096 hours.