

Section II -Photometry

Procedure

Refer to, and review ASTR 203 Section II p26-30 for imaging procedures and various types of photometry targets.

Basic photometry processing will be the same, using Maxim DL photometry tools (ASTR 203 p.31-34), and AAVSO Variable Star Plotter charts. <http://www.aavso.org/vsp>

ASTR 204 Lab 5 includes use of JPL's "HORIZONS Web-Interface" ephemeris generator. <http://ssd.jpl.nasa.gov/horizons.cgi#top> This online tool can be used to determine exact coordinates of asteroids and comets on an hourly, or even minute by minute basis.

There will also be an introduction to Binary Maker 3, for additional photometry data processing techniques, including radial velocity curves and 3-D modeling. <http://www.binarymaker.com>

Labs 6, 7, and 8 involve study of various photometry targets including eclipsing binaries, transiting exoplanets, and other variables. Asteroids and supernova events will also be imaged as available. In these labs, we'll identify targets and their coordinates, and determine the date and period of specific events such as transits.