Observation Plan Oct 1

Plan to observe:

* Deneb
* A planetary nebula: **NGC 7293, M27, or NGC 6543**
* H Persei, a star cluster in Casseiopeia (called "H Persei Cluster" on SESAME)
* HD 3914, a faint star near M31
* M32, a dwarf galaxy near the Andromeda galaxy
* HD 85161, a faint star near M82
* M82, a galaxy driving an outflow

Included in python script:

Observatory information, sunrise/sunset time, target information, finder charts, altitude plots, and sky charts.

The goal of this observation is to familiarize myself with the lab telescopes and finding objects on the night sky.

Telescope information:

11” Celestron GPS, (Equatorial mount), field of view .16˚, focal length 2800 mm, 110’’

Night Plan

18:00 1. – Set up 11-inch Celestron telescope on a south spot

18:45 2. – Calibrate telescope to Capella and then pick Deneb to test tracking

19:20 3. – Target and track NGC 6543 then take 5, 4 second images in 3 filters

20:00 4. – Target and track H Persei then take 5, 3 second images in 3 filters

20:30 5. – Target and track HD 3914 then take 5, 3 second images in 3 filters

21:00 6. – Target and track M32 5, 4 second images in 3 filters

21:40 7. – Take images of dark sky in N, E, W and take darks and flats

22:20 8. – Put telescope away and check data

Copy data onto flash drive/email to self