

Pre-lab: Telescope observing session

Name: _____ (Each student hand in their own pre-lab)

Pre-lab assignment (DUE at start of lab)

Read the lab manual. Write down any questions you have about this experiment (to ask the professor at start of lab):

Prepare for your night-time observing session using *Stellarium*. Specifically, complete the following assignment in *Stellarium*, using what you learned in our previous “Celestial Navigation” lab.

- Configure *Stellarium* the same as in our previous “Celestial Navigation” lab.
 - Orient your view South (so you see “S” on horizon, “E” and “W” on the edges of the screen, and the sky above the horizon. Note: “N” should not be visible, since it is “behind” you).
- 1) Prepare for your night-time observing session using *Stellarium*. Configure *Stellarium* the same as in our Celestial Navigation lab. Orient your view South. Sketch below what you would expect to see with your naked-eye tonight in lab (if the skies are clear). Include the names of any Wanderers, and any prominent stars/constellations you think you’ll see tonight in lab. Include the horizon line and compass directions. Finally, add arrows showing the direction you expect the celestial objects to move if you sat outside for several hours (i.e., the daily (diurnal) motions).