

AST1002L Astronomy Lab (Dr. Bernd Albert Berg)

Office Hours at 615 KEN: WR, 2 – 3 pm, and by appointment.

YOU NEED:

- LAB Manual (available at Target Copy 635 W. Tennessee St.)
- David Chandler Planisphere 20° – 30° or 30° – 40°
(should be available at on-campus bookstores).

Tallahassee is approximately at 30° Latitude.

If you already have the Miller Planisphere for a range including 30° you may use it as well (I prefer Chandler's).

Besides the planisphere you are also allowed to use [Google Sky](#) on your smartphone. But get a planisphere anyhow, because it allows you a better understanding of what is going on.

Also, you may want to install [Stellarium](#) on your computer.

The screenshot shows an Amazon product page for 'The Night Sky' star finders. The browser is Firefox, and the URL is https://www.amazon.com/s/ref=dp_byline_sr_book_2?ie=UTF8&text=David+Chandler+Company&sear. The page displays two products:

- The Night Sky 30°-40° (Large; North Latitude)** by David S. Chandler and David Chandler Company. It is priced at \$11.35 with Prime. It has a 5-star rating from 212 reviews. The product is described as 'Easy-To-Use' and 'Most Accurate'. The cover features a circular star map with the text 'The Night Sky™ The Original 2-Sided Planisphere High Precision • Low Distortion • Easy to Read at Night' and 'Experience the wonders of the night sky.' by David Chandler.
- The Night Sky 20°-30°N (Large) Star Finder** by David S. Chandler and Milky Way by Don Davis. It is priced at \$11.95 with Prime. It has a 4.5-star rating from 57 reviews. The cover features a circular star map with the text 'The Night Sky™ The Original 2-Sided Planisphere High Precision • Low Distortion'.

Figure 1: Chandler Planispheres (Amazon Website).

- Unfortunately **Light Pollution** is severe around the Keen Building due to University Lights as well as Tallahassee sky glow. **Do not make it worse!** Do NOT use the flashlights of your smartphone. Stay instead with the red flashlights provided to you.
- **Dark Night Observation:** When weather allows we will drive for one Lab out to Silver Lake where light pollution is less severe.
- The **Syllabus** is posted on the WEB: Google Bernd Berg, go to my teaching page and click the Astronomy Lab 2019 link.

Keep yourself informed about the next LABs posted there! Understand the **strict attendance policy**. Do not fail the course due to missing labs!

Prepare one Indoor and one Outdoor Lab before coming to class (which one is taken depends on the weather). Consult [Wikipedia](#) in addition to the Lab Manual whenever it suits you.

Appendices of the Lab Manual: 1. The 88 Constellations, 2. 30 bright stars visible from Tallahassee, 3. Some objects from the Messier catalog visible from Tallahassee.

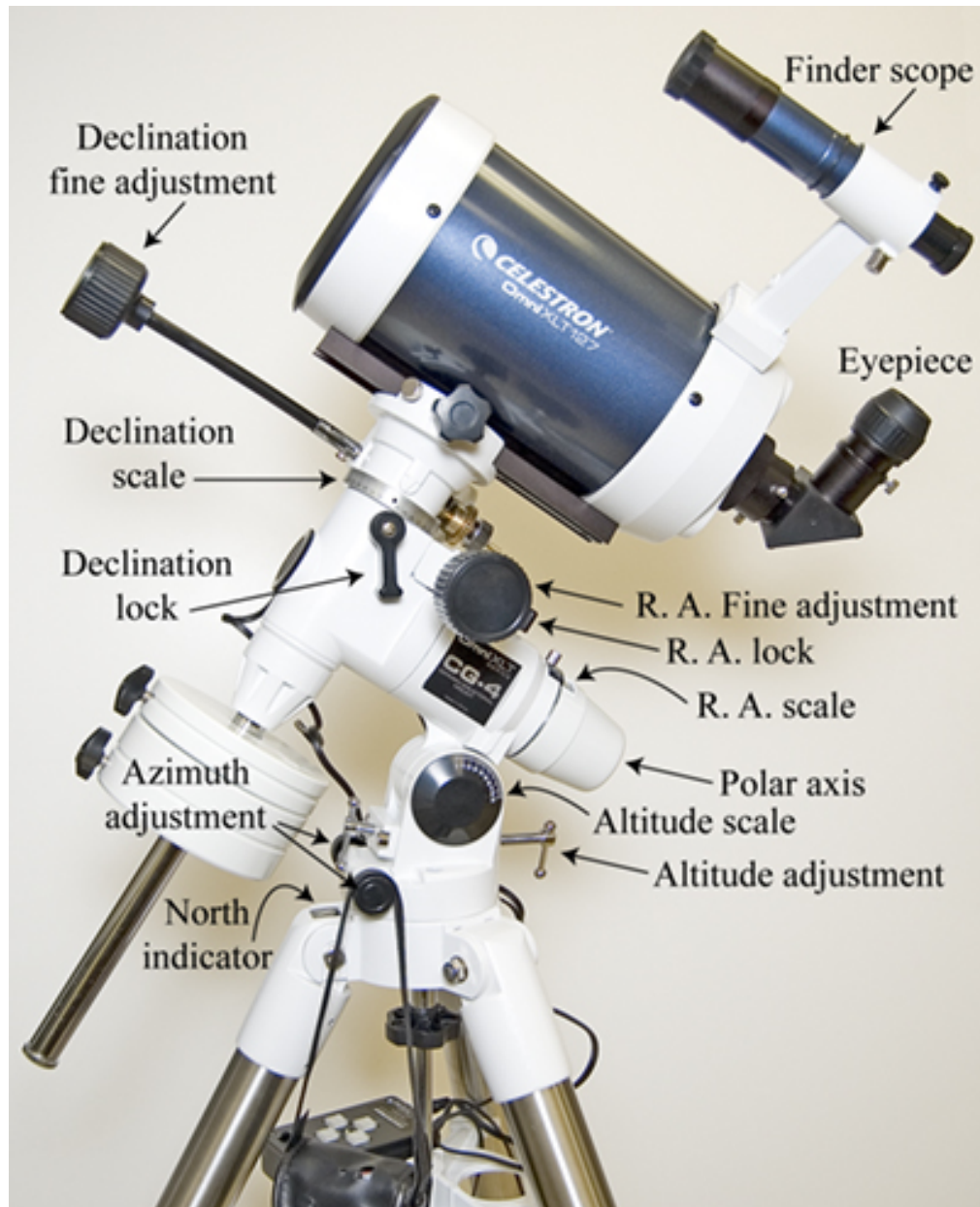


Figure 2: The **Final Exam** will be about the Celestron 5 inch telescope that we will use throughout the Lab.

- REGISTER after this introduction in YOUR section.

Wednesday sections:

3 UPL 105, Delin Xiong TA,

7 UPL 109, Brittany Fuzia TA,

11 UPL 112, Dong Li TA.

If you do not know your section number, see me first.

Thursday sections:

4 UPL 105, David Casavant TA,

8 UPL 109, Joseph Guzman TA,

12 and 15 (honors) UPL 112, Mojgan Aghakhanlootakanloo TA.

If you do not know your section number, see me first.

The TAs will introduce themselves, provide their office hours, help you with the website and answer all your questions concerning the syllabus.