

## Lab 1: Due Sept 9<sup>th</sup>

1. After reading Chapter 1, use Chapter 2 to align the telescope.
2. Choose 4-5 sources to observe by eye. Pick a variety of sources. Try to include the Ring Nebula if possible. You must include some extended sources-- not just stars.
3. For each source explain the emission process. i.e. why do they emit light in the optical?
4. Each person must submit a **simple** lab report that discusses the successes and pitfalls of the alignment process as well as hand-drawn sketches of the objects seen. This report does not need to be in the ApJ style.