Lab 2: Due Sept 23rd

1. Using Chapters 2 and 3, set up the CCD on the telescope.
2. Choose an extended and interesting source to observe with the CCD. It can be a star cluster, nebula, or galaxy, but not a planet for this Lab. Not single stars.
3. Produce a three color image of the source (i.e. the normal RGB or three emission lines). Make sure to get a dark and flat field for image correction. Also make sure that you have good signal to noise. We want a pretty image not a noisy mess. Experiment to see how long an exposure you can do with your telescope alignment. You will lose points for low signal to noise images.
4. 4. Each person needs to submit a **simple** lab report that discusses the successes and pitfalls of the observing process as well as a three color image of the source. Describe the emission process and in particular the contributions of the the three colors. This report does not need to be in the ApJ style.