Lab #4: Redshift
Pre-Lab

1. In your own words describe Hubble’s Law and its relation to Big Bang cosmology.

2. Is a larger telescope always better (explain)?

3) The Ca II K line is found at 3933.7 Å in the laboratory. When analyzing the spectrum of a galaxy, you measure the line to be 3940 Å. How fast is the galaxy moving with respect to us? Is it approaching or receding? Show your work and answer in km/s.

4) What do you think are the main goals of this lab? What do you expect to learn?