

B ecome familiar with Unix/Linux using the moxie lab or Ubuntu on your laptop. If you have a laptop make sure you have the free Fortran/C/C++ compilers on it (g77, gcc, g++). Learn about editing files, copying, deleting, renaming files - maybe you can use vi. How do you compile and run a FORTRAN/C/C++ program under Linux/Unix? If you have a laptop, get chimera working on your laptop which should have Ubuntu 8.10 on it. The chimera should be the chimera from the CSC480 website.

<http://code.google.com/p/csc480-chimera>

B y working, I mean things like chimera-tel -help should work. Read some of the documentation on the above website.

C onsult with Alex or Brandon on this.

I f you dont have a laptop, play around with chimera on my machine (128.3.17.53).

L ook through and study the data reduction modules.

S tudy python, using the resources on the IRES2009 web page.

<http://www.oswego.edu/~kanbur/IREs2009/IREs2009.html>

P ay particular attention to objects and classes. Practice writing a few programs and how to run programs on my machine (128.3.17.53).

M aybe Alex and Brandon should initially try upgrading their version of chimera to the current version on

<http://code.google.com/p/chimera>

B randon could look at the GUI there that Dennis and Ryan worked on and see if they can get that to work. Do the *chimera_install* script and Ben's install script still work?

F rom the csc480 website, look at the extinction/photometry/seeing modules and try to understand what they are trying to do. On the csc480-chimera web site is a large file, *src.tar.gz*. Downloading that also downloads the new code that the class developed - code for extinction/seeing/photometry. Download it into a separate directory from where you have the main chimera and look at these modules and try to understand them.

M ost of the work on chimera will be in testing/improving these modules and making sure they run with the latest version.