Using the files “DrizzleB3.fit”, “DrizzleG3.fit”, “DrizzleL3.fit” and “DrizzleR3.fit”, (the Blue, Green, Luminance and Red images), use GIMP or another image processing program to produce at least three (3) images that emphasize different aspects of the image. For example, it may emphasize the rings, or the moons, or the stripes on the planet, or various other features. You should try to produce the best images you can, ones that look good and that you would want to present to people to show them what the telescope/CCD system can do.

You should play around with the images first and experiment to see what different commands do. Keep in mind that the order in which you perform certain actions will affect the output. (For example, applying an Unsharp Mask before or after changing the image minimum will affect the result.) When you arrive at a process that works, write an algorithm that describes what to do when, so that someone else could reproduce your results.

If you are able to acquire images of your own, then perform similar enhancements on them. Apply the same algorithms you did to the “Drizzle” images and see if you like the results; also discover new algorithms that bring out the information better for those particular images.