



# SHENANDOAH ASTRONOMICAL SOCIETY

## August 2010

### Io over Jupiter



I got this from the Astromart web site since I thought it interesting. A few years ago, I witnessed the moon transiting Jupiter also. I have not done that lately. Right now whoever sees Jupiter must look for him in the morning sky before dawn. This photo was taken by Rolando Chavez on 7/14/2010.

Program for August 9  
LFCC 7:00 PM

**I am bringing a NASA video, not about the space program, but a tour of the universe starting with the solar system then stars, Quasars, pulsars, and all the stuff out there. Betty and Alan are also bringing possible stuff to see.**

**Remember to come to the back parking lot adjacent to the modular building in the back and then come to the end**

**entrance. That is the most convenient way to get to Room 336.**



**Nagler 9mm & 13mm**

**One of the first eyepiece designs was the Huygen still sold with cheap telescopes. It is a fair eyepiece and much better than using a simple lens as an eyepiece. Then came the Kellner, Erfle, Plossl, and many others. They all sort of fill in the gap from Huygens to Naglers, two of which are shown above.**

**Al Nagler began to design a new type of eyepiece a few years ago with an extended field of view. These are really great and I finally have two of them even though they are quite expensive. Of course, Al's company, Televue, has designed and sold several different designs. The Naglers have an apparent field of view of 82 degrees compared to the 52 degrees of a Plossl eyepiece.**

**It is nice to be able to see a little more in the background when observing but one real advantage is that it is easier to keep your scope on the target. Now there is the Ethos with a field of view of 100 degrees. I will not be buying those, one costs more than most of my telescopes.**

**(Jim Adkins)**