

oddly!) click **Start**, **Turn Off Computer**, and **Turn off**. Once the computer has finished the shutdown process, turn off power at the power strip.

### **YOUR REPORT**

1. Present a neat table of your photometric results for each of the 6 unknown stars. The table should list the 3 individual measurements for each star, and the average of these measurements.

2. Also tabulate the separation of the 6 "unknown" stars from the reference star, and their position angles with respect to the reference.

3. At least one of the computers in the laboratory is connected to a printer. Your instructor will show you how to make a print ("hard copy") of your image of the artificial cluster. Include this print in your report.



An image of a real star cluster. This is a 2-second exposure of the galactic cluster M45, also known as the Pleiades cluster, taken with a short focal length refractor and a ST-6 CCD camera at the University of Florida Campus Teaching Observatory. The Pleiades cluster (also known as Subaru in Japanese) is the brightest galactic cluster in the sky, easily seen with the naked eye. It is located in the constellation Taurus.