

Astronomy 16 – Astrophysics: Stars, ISM, and Galaxies

Fall 2017

Lab 3: list of objects

Possible Objects to Observe

The Moon: surface color variations, heights/depths of mountains/craters, phase variations.

The Crab Nebula (M1)

The Orion Nebula (M42)

The Dumbbell Nebula (M27)

The Andromeda Galaxy (M31)

The Triangulum Galaxy (M33)

Bode's Galaxy (M81)

Cigar Galaxy (M82)

Great Cluster in Hercules (M13)

Pegasus Cluster (M15)

Little Dumbbell Nebula (M76)

Look these up online (see Messier Monday and APOD links in lab manual, but there are plenty of other sources out there, too).

And feel free to suggest another object. It shouldn't be too small or dim, though, and it should be up for at least a few hours at this time of year. You can check that here:

<http://astro.swarthmore.edu/airmass.cgi>

Choose the Peter van de Kamp Observatory from the pull-down menu.