

Homework 2

Look at the APO website at <http://www.apo.nmsu.edu>

Look at the observing schedule and some observing night logs. What are the NMSU programs this quarter?

Under 1Q2016 (the first quarter for this year), there are eight different observing runs listed, each of which include the dates, start/end times, the instrument to be used, and the moon brightness (0 for new moon, 100 for full moon?). The instruments to be used, as written on the site, are 'V', 'DRE', 'RS-custom', 'D-B1200+R1200', 'N', 'E', and 'R-MSSSO?'. There is no instrument listed under the third observing run. The second run is for our training in March, using the DRE. I am currently trying to find out what this is.

Check out the 10 micron all-sky camera images at night. What are the images and graphs showing, and what do they tell you?

I clicked the link to the IR All-Sky Camera Image (which I assume is the same thing since $10\ \mu$ is in the IR). The two plots show the sky standard deviation and the sky level, both as functions of UT Time. They both describe the 'sky history'. I assume the sky counts are used for data reduction. The images appear to be centered on either just the sky, or a very unresolved star. I may be looking at the wrong images.

Look through the instruments pages, and at anything else that might interest you. If anything stimulates a question, write it down.

Submit housing request for 3/25–3/27 (3 nights).

Success!