MONDAY
Intro to CCD

- Camera
    - Spec is at the back of the camera
    - Bias = images for a sec without shutter open
    - Flat =
    - Linear of CCD = long exposure, long saturation
- COUNTS = number of photons
- Gain =
- Exposure time and linearity
- Dark current
    - More exposure, more dark current to measure.
- Binning - https://www.photometrics.com/resources/learningzone/binning
    - improved signal-to-noise ratio (SNR)
    - the ability to increase frame rate, albeit at the expense of reduced spatial resolution.
- SKY SURVEY
    - CADC - http://www.cadc-ccda.hia-iha.nrc-cnrc.gc.ca/en/dss/
    - SDSS - http://skyserver.sdss.org/dr15/en/home.aspx

Wednesday - THERE'S 6 of US

- A CCD camera (taking picture)
    - How to operate the camera
    - Easy approach, clicking buttons
    - Saving file to ".fit "
- BIAS
    - 0 sec images
    - About 0.12 if you want to compute in the CCD camera software program
    - About 1 picture
    - Make sure is not oversaturated, close lens
    -
- FLATSCREEN
    - According to time
    - Make sure is not oversaturated
    - Take two
        - 1 minute
        - 10 second
    - Look for anomaly if there's one
        - We found one, a circle at below of the images, size of a dime.
- LINEARITY
    - From the 60sec to 0.125 sec
        - We took about 13 pictures
    - Below 0.12 sec does not show much

FRIDAY

- ABSENCE TO CLASS