Spectroscopy Lab (6) - Observation Log - 11/28

- Taking calibration data
    - Neon lamp -> 1 exposure, 10 seconds
    - Mercury lamp -> 1 exposure, 7 seconds

- Taking flats using the projector's light
    - 5 exposure, 15 seconds

- Taking darks - Cap on, lights off
    - 9 exposures of 15 seconds
    - 9 exposures of 7 seconds

- Taking biases - Cap on
    - 9 exposures, 0.04 seconds (shortest time).

- Observing Vega - Dariannette
    - 2 exposures, 30 seconds.
    - Note: We can see the absorption lines but there are some horizontal dark lines, like when the fiber is not perfectly aligned. It's no great data, but doable. The tracking is not great either so it drifted.

- Observing Moon/Sun: Makennah
    - 3 exposures, 20 seconds.
    - Went as planned, ~3500 counts.

- Observing Epsilon Peg: Natalia
    - 2 exposures, 40 seconds.
    - Note: %th order was missing. Jason defocused the telescope to spread out the light onto the fiber.

- Observing Jupiter: Matt
    - 3 exposure, 30 seconds.
    - Jupiter was bigger than the pinhole, so we simply centered it on it. There might be some discrepancy between the two exposures.

- Albereo-A (orange one): Dhruv
    - 5 exposures, 40 seconds
    - Telescope was defocused again to spread the light. While taking data the cover from the field guidance array fell.

Note: We just realized the CCD temperature reads 12 C, even though it was set up to -5 C. We reset the CCD again and it appears to be going down. Actually no, still stuck at 12 C. "Nothing ever works". We're taking the exposures anyways. Okay, temp down to 10.7 C

- Albereo B (blue): Jared
    - Got cloudy, but got 1 exposure of 10 seconds. It was somewhat trash.

Update: We're shutting down because stopped working. The cables going into the paddle are stripped and coming off.
Just kidding, we swapped the paddle.

- Deneb: Maria
    - 3 exposure, 40 seconds
    - Note: First expo was okay. 2nd and 3rd did not look good and there might be nothing there.

- Europa: Ethan
    - 2 exposure, 30 seconds
    - Very cloudy

- Jupiter: Taewha
    - 5 exposures, 30 seconds

- Taking Darks
    - 5 exposures, 30 seconds
    - 5 exposure, 40 seconds
    - Note: temperature is up to 14 C, which is higher than initial calibration exposures (9 C)