ASTR 8060
Homework 4R

In order to earn back 70% of the points you lost on HW4, you may complete the following tasks. This is due with HW5, but since it is relevant for HW5, I would recommend doing it sooner.

Your submission should be a Jupyter notebook that executes the tasks below for at least the following frames: biases, flats in all bands, darks, science frames for PG1633+099 and NGC6823.

1. Characterize and subtract the overscan.

2. Trim the frames so that only the 2048x2048 data section remains.

3. Create a master bias.

4. Subtract the master bias from all frames.

5. Save the frames with their original filename, plus the "otz" flags to indicate your overscan, trim, and bias (aka zero) corrections.