## X’s Data Reduction Tips

0. Organize your data file names in simple lists.

1. Write a method to stack a set of input files

-- It should be able to take a bias image and subtract it, as an option

2. Write a method to process an input image (passed in as the filename)

-- It should return the processed data and header

-- Bias and flat field images should be passed in and used

-- If provided a filename, it should write the image to disk as a FITS file

3. Make conservative cuts on the sources to trim away junk

4. Write your 'final' images to disk (calibs, Landolt, cluster)

5. Keep your Notebooks short. I generated 4 for this experiment.

6. View your images as you generate them (i.e. step by step, not just

the final image). In ginga, matplotlib or ds9

7. Develop Notebooks and a module in tandem. Copy code from the

Notebook into the module to reuse (e.g. on the other filter, other star, etc.).

8. Beware of NANs. They creep in from bad pixels on the detector.