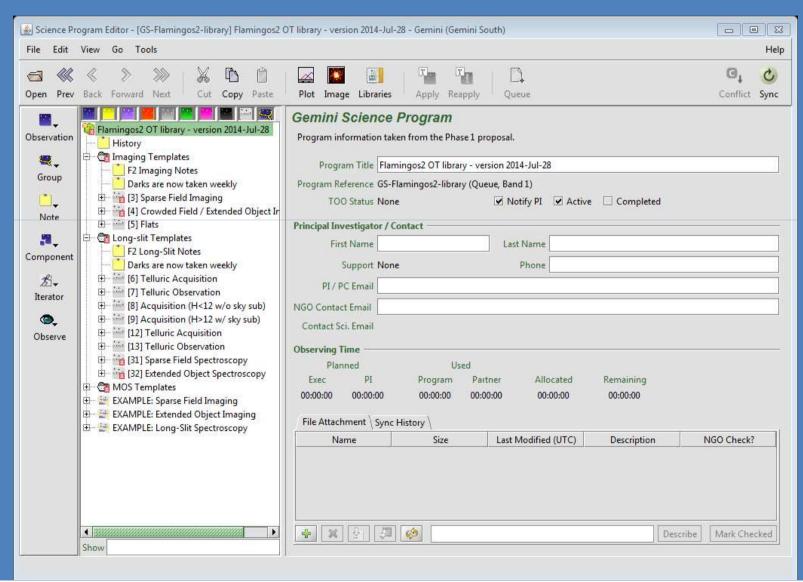
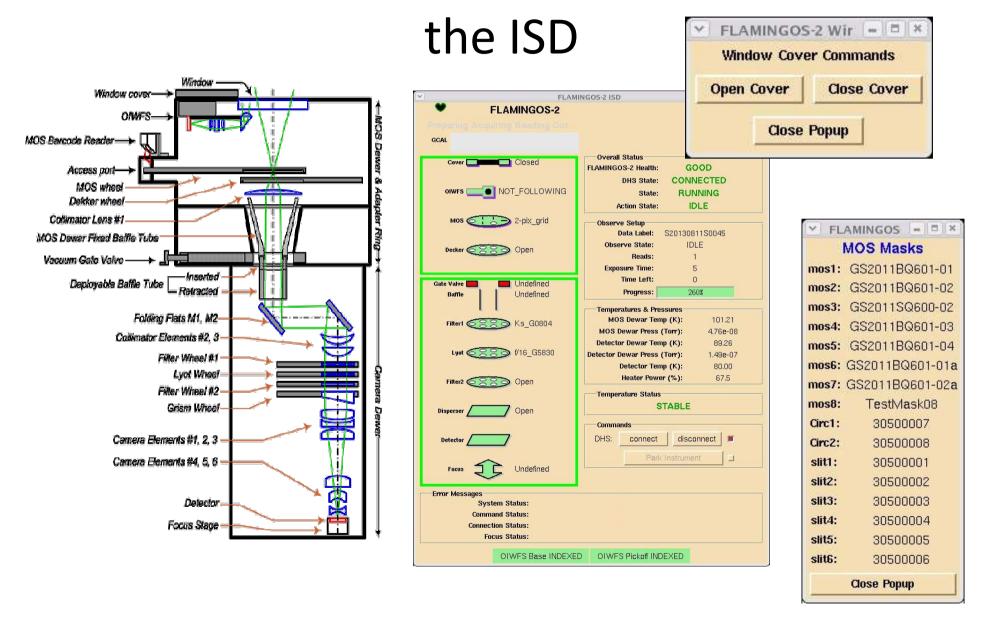


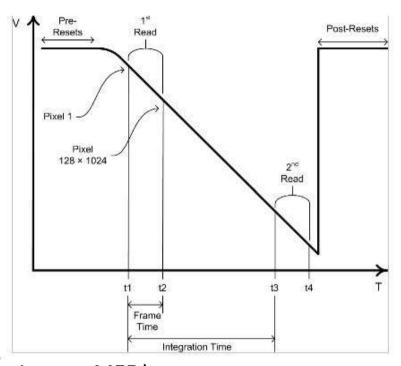
Please use the templates and libraries in the OT for the latest

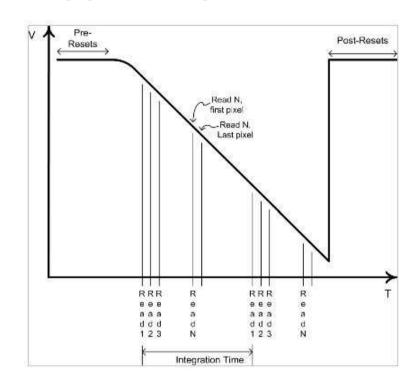


To know what happens to F2 look at



Correlated Double Sampling is how Near-IR arrays are typically read





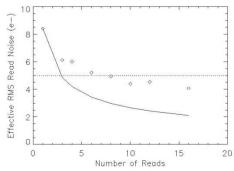
Images MEF has:

- [0] has the generic info.
- [1] has the data:

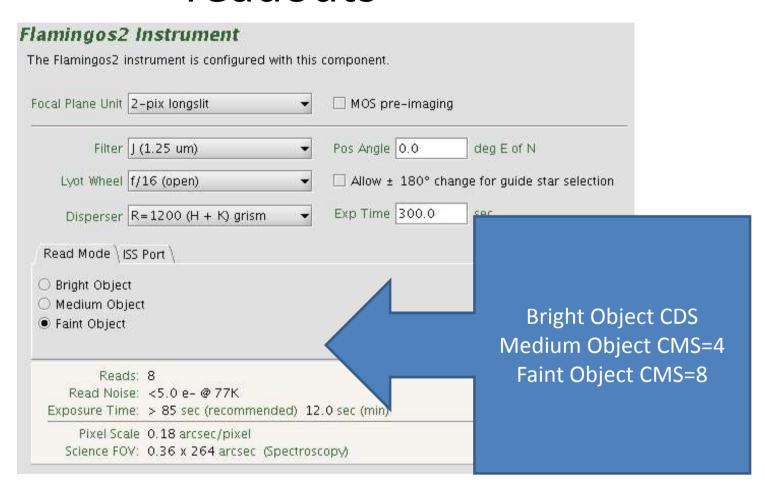
CDS = First read - Second read

or

MDS = Sum of First_Reads - Sum Second_Reads

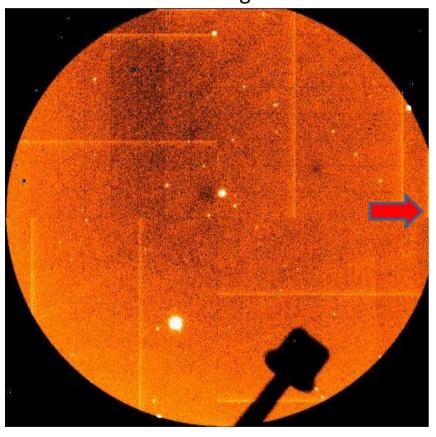


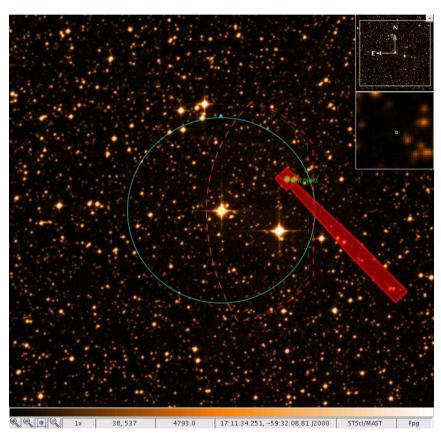
F2 OT includes three types of preset readouts



This is how an F2 image of the sky looks like

PA = 0 degrees



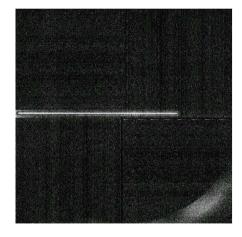


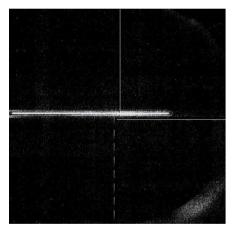
-->ndisplay 23 sub-

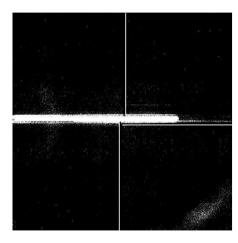
FOV has 6 arcmin diameter

Please remember that the longslits have two special properties.

- They are all horizontal.
- They are not centered on the optical axis or the detector. They are asymetric (90" N and 150" S).



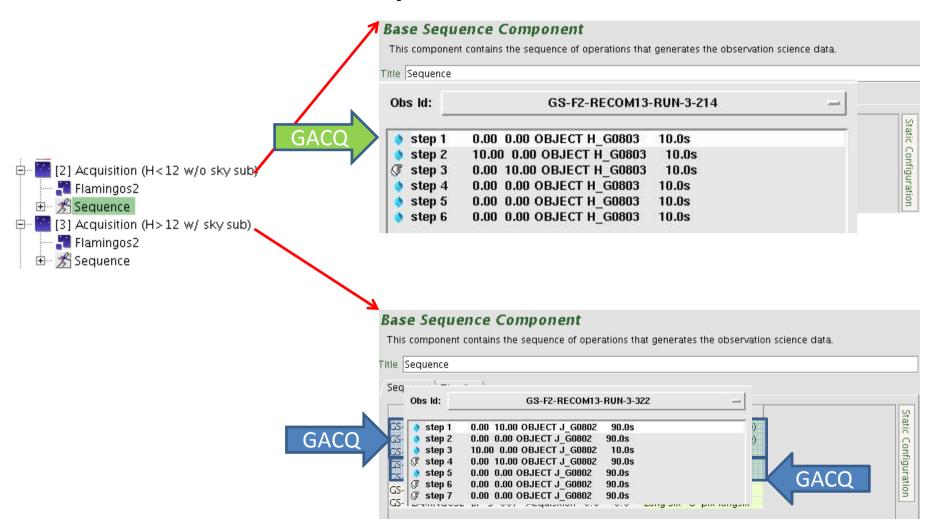




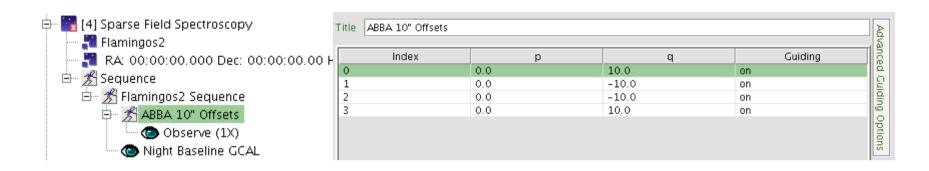
1-pix slit 2-pix slit 8-pix slit

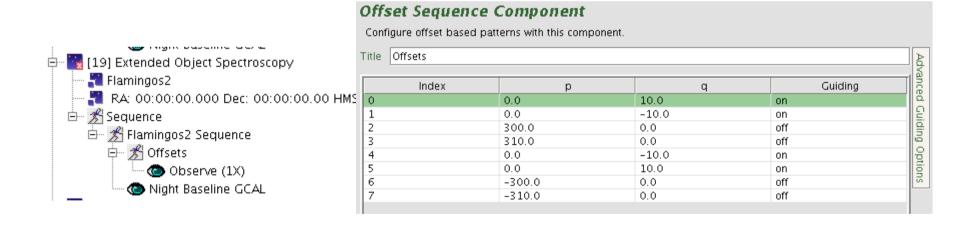
Most Acquisitions will put the science object in the center of the field of view. It will not be at the center of the slit.

There are Two Types of Long Slit Acquisitions

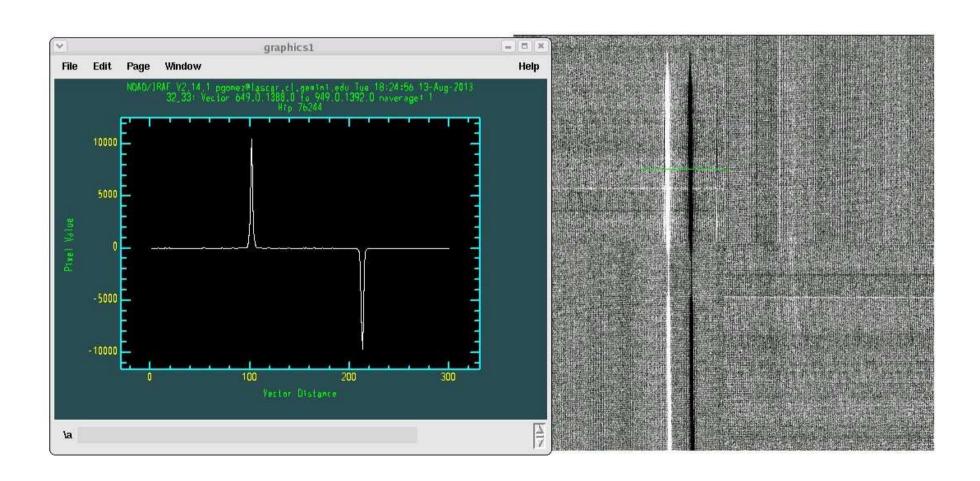


Sky subtraction is a must in near-IR





This is an example of a telluric



Don't forget the calibrations ...

- Imaging: We will try to take photometric standards whenever possible.
- Imaging: Flats to be taken once a month by SOS.
- Long Slit: Night Baseline GCAL will include flats and Arcs. No need for day baseline.
- Long Slit: All must have a telluric. It can be shared within a program if individual targets < 30 minutes.
- ALL: darks will be taken once a week. 10 needed per exp time and readout mode for science and flats only (not for Acq and arcs).

Gemini provides software for Imaging data reduction

Setup pyraf:

f2

nsheaders

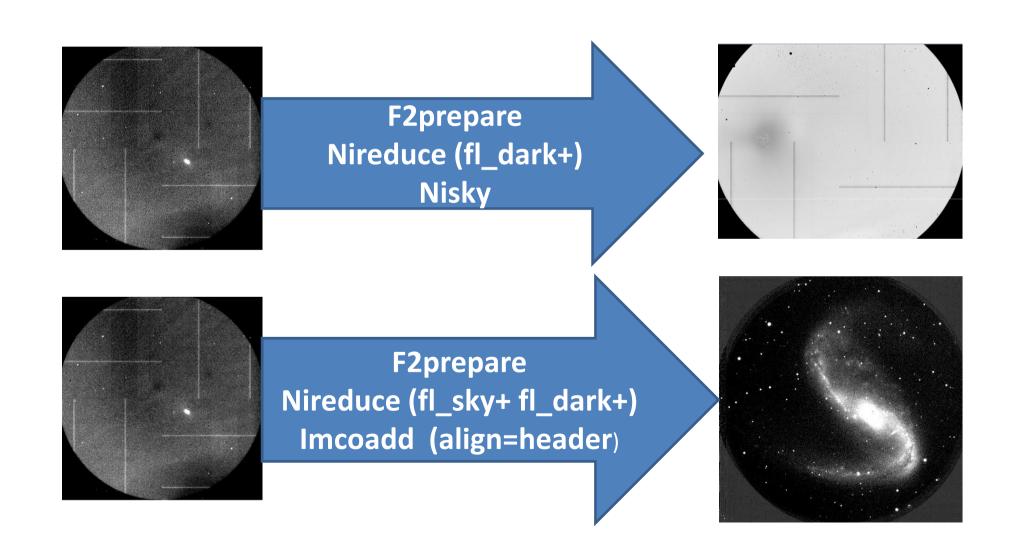
Check and organize gemlist

Prepare data **f2prepare**

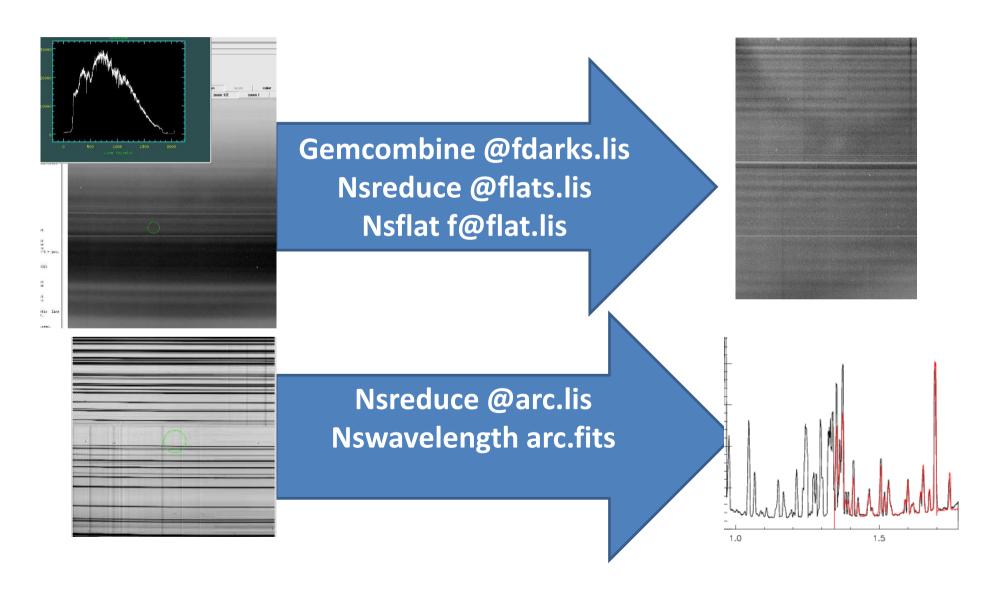
F2 data reduction package

- Examples script for:
 - Imaging
 - Longslit
 - MOS
- If you follow the steps and parameters set you will obtain reduced data.
- File a helpdesk or email in case of questions and/or problems

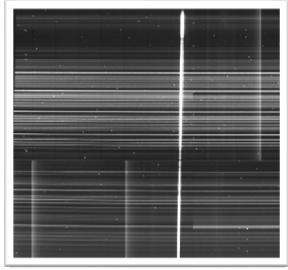
Imaging Data Procedure

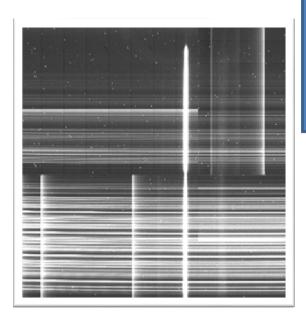


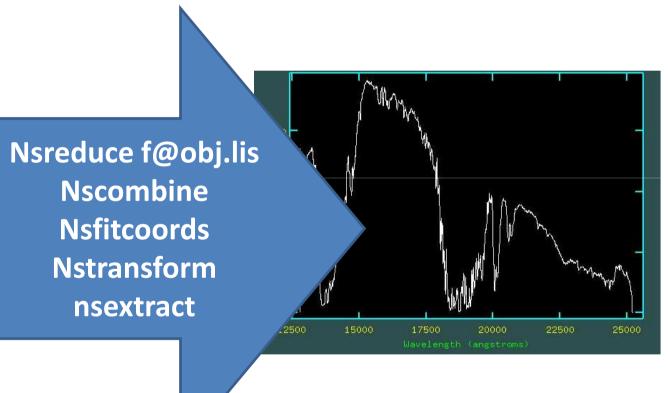
Spectroscopic Data Procedure



Spectroscopic Data Procedure







Final Comments

We want you to come to Gemini: "Bring One,
 Get One" Student Observer Support Program

 We want your instruments. New modes to bring PI instruments to Gemini (check webpages)