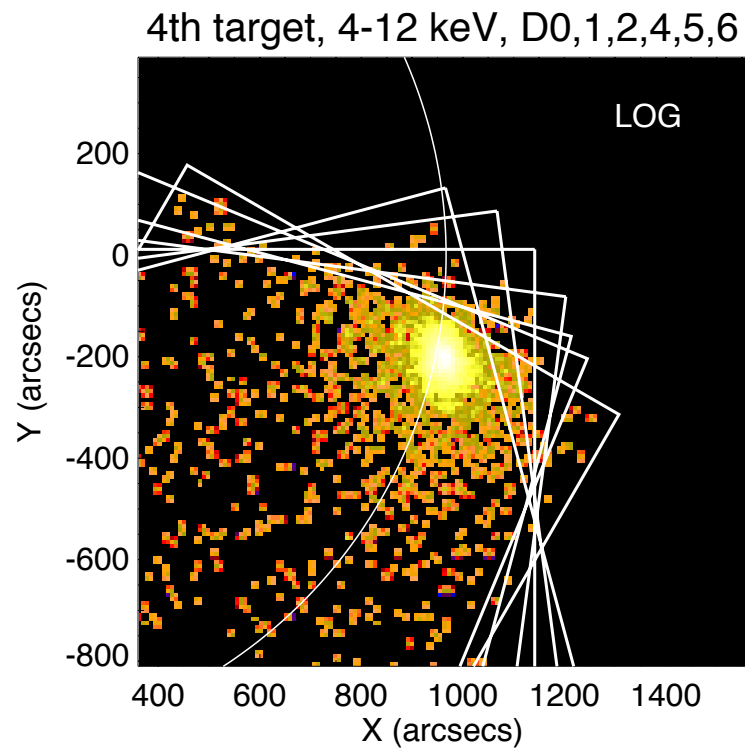
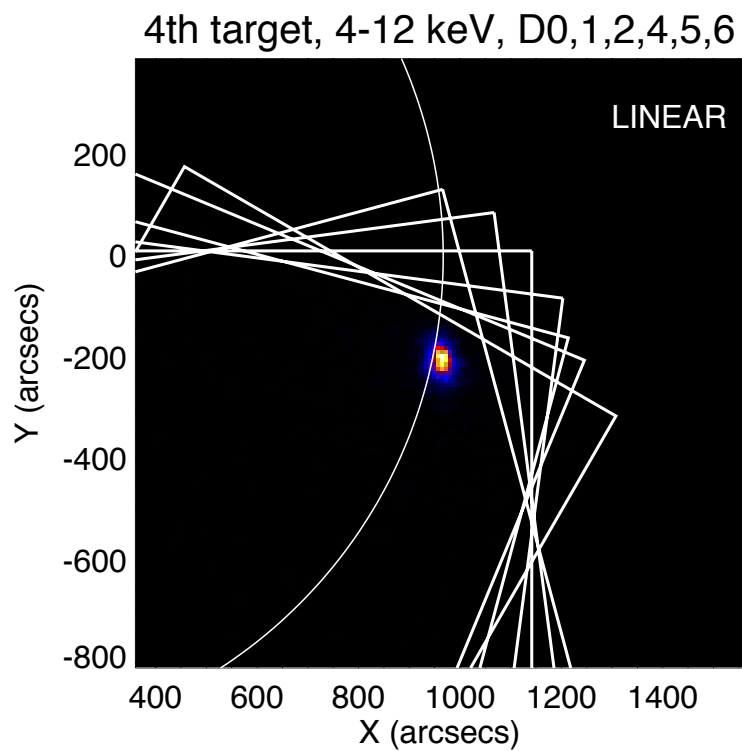
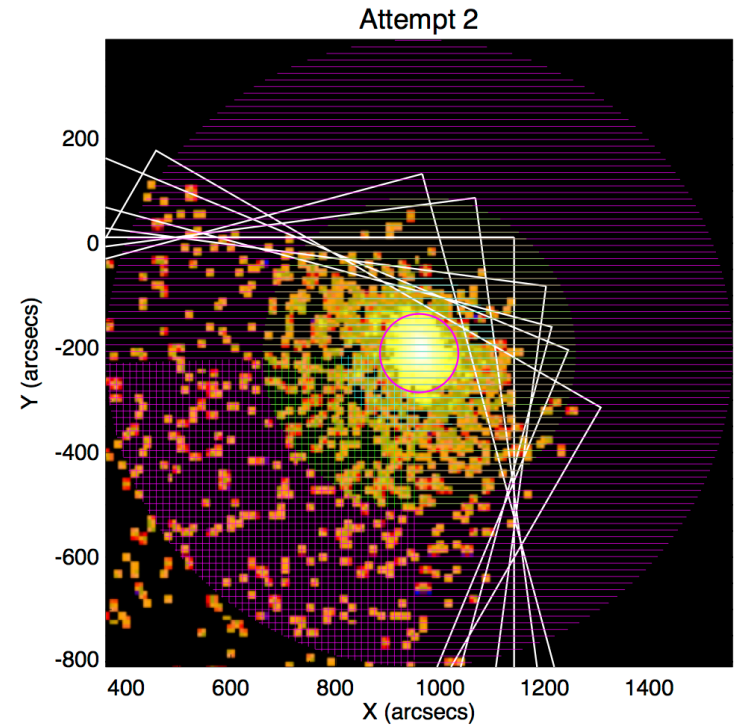
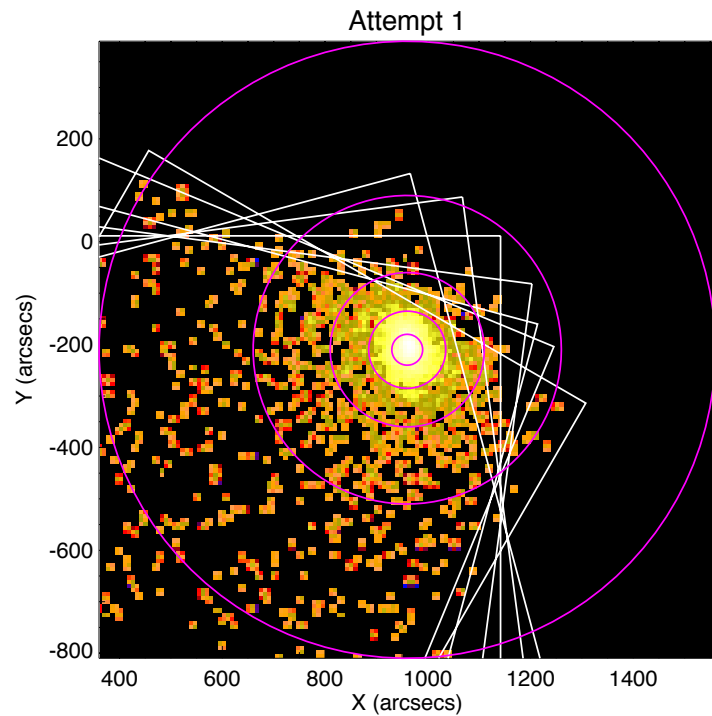


# FOXSI flare HPD measurements version 3

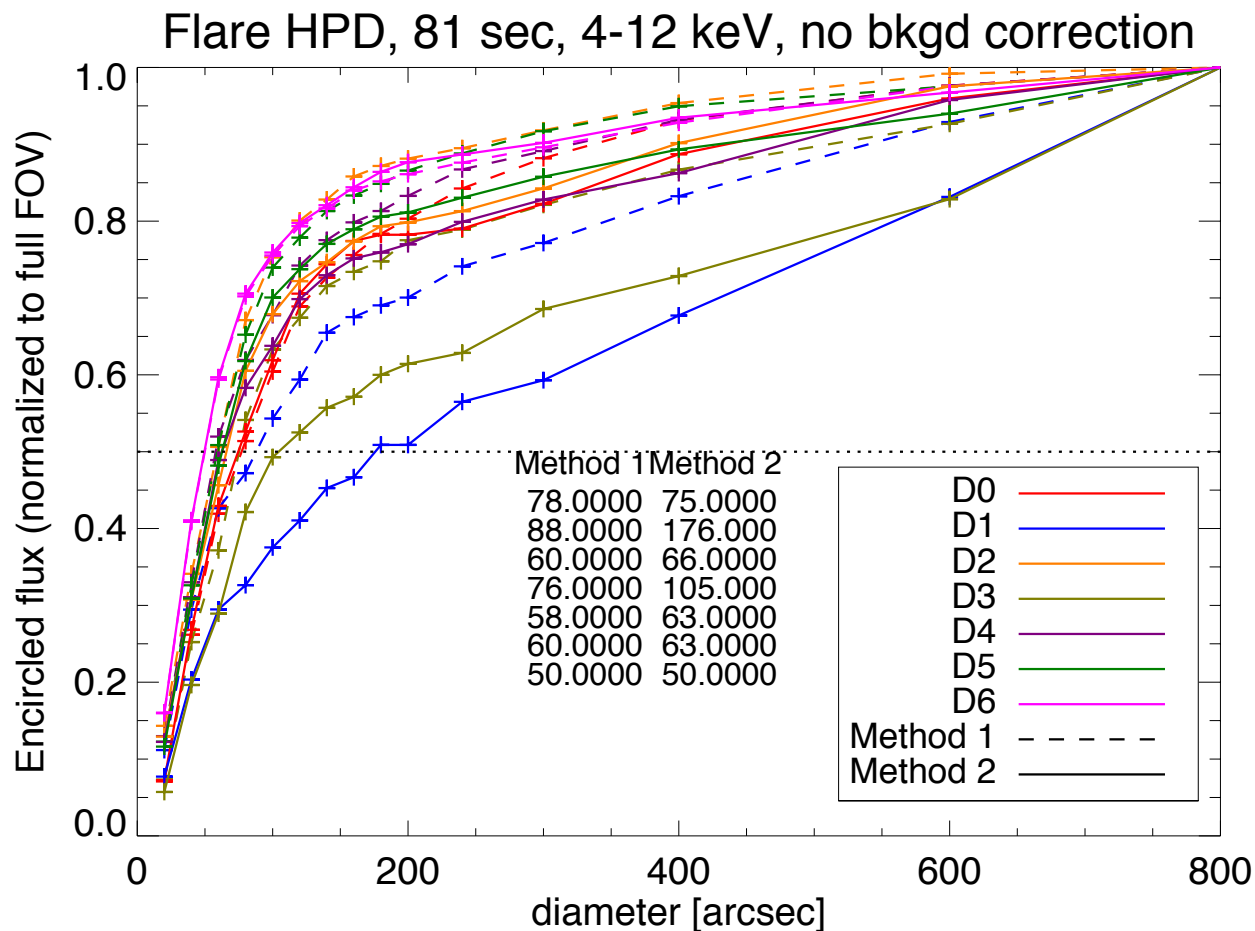
Sept 2013



# Geometry for HPD



# Results: HPD $\sim 50''$ - $\sim 75''$

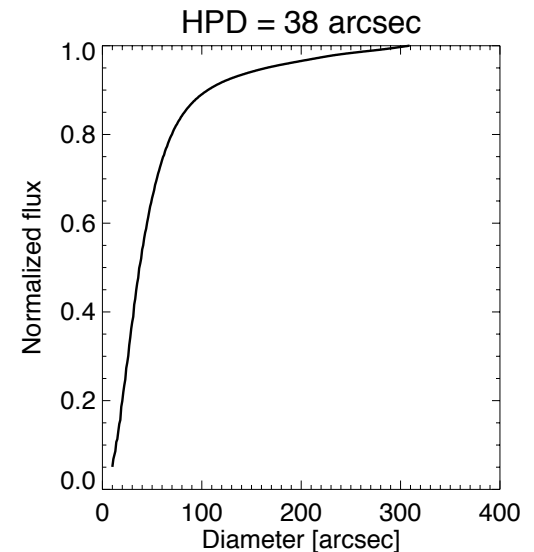
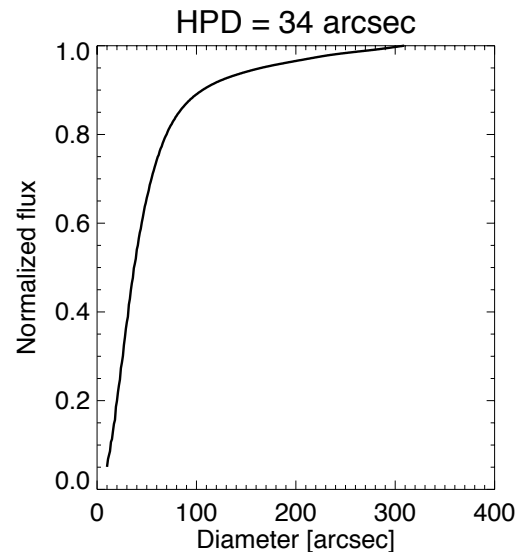
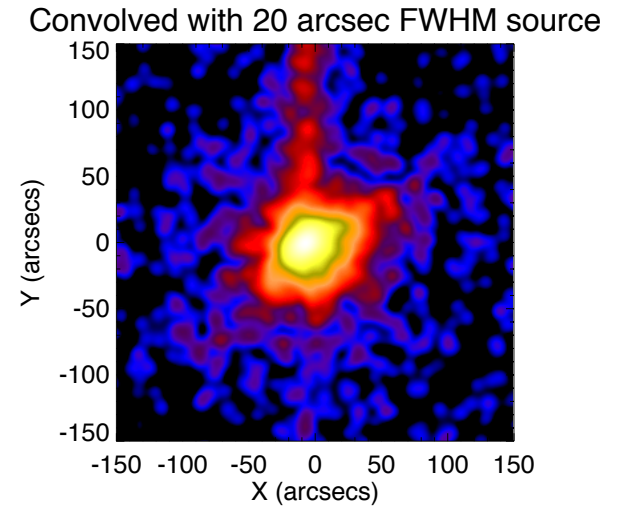
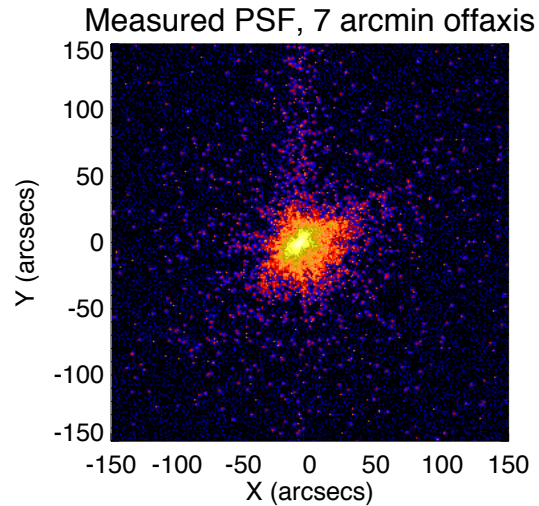


# Next steps:

- Subtract background from measurement
  - Not done yet; should be small effect.
- **Figure out effect of finite source size on HPD (next slides)**

# Simulations of finite source size

- Data from postflight calibration of X5.
- Simulation: convolve with source 20'' FWHM.
- Effect on HPD is small.



# *Next next steps*

- Do the flare image deconvolution.
  - Maximum likelihood procedure in IDL.
  - The deconvolved source can be more directly compared with the RHESSI source.
- What do we use for a PSF?
  - Measured postflight PSF? Need to smooth...
  - Simulated PSF? Less noisy but lacks actual imperfect detail.