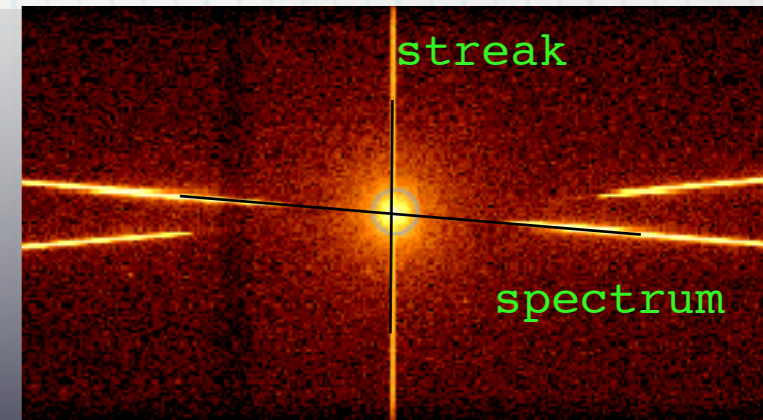**tg_findzo**: CIAO 4.5 program to locate the zeroth order centroid from the streak & grating spectrum intersection, as an alternative to **tgdetect**, which can fail on distorted images.
tg_choose_method: planned CIAO 4.5 program to automatically select the preferred method (*statistically*, using output of tg_findzo).

streak

spectrum

tgdetect2: planned CIAO 4.5 program which wraps tg_findzo, tgdetect, & tg_choose_method into a single convenient program.

Aids pipeline: less manual intervention to choose the right method.

Assist users: easier to get the best source coordinate.

weak streak

moderate streak

distortion

cratering

exclusion

confusion

Zeroth Order Rate

Grating Spectrum Rate

(output data from tg_findzo for ~700 spectra)

0.1   1   10   100