



Caveat: Use of the PSF Library for Detect Tools

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Both `celldetect` and `wavdetect` have a parameter `psf table` which points to a fits file containing values of encircled energies for a wide range of off-axis angle, energy, and radii. [NB: `vtpdetect` uses a scale-free algorithm.]

Note however that the PSF sizes are used completely differently in the two tools: `Celldetect` attempts to adjust the size of the detect cell off-axis by accessing the angular radius of a circle which contains `eenergy` of the total counts for an unresolved source (`eenergy` is another parameter of both tools: encircled energy). `Wavdetect` however uses the PSF data only to choose the appropriate scales flux maps for estimating the source intensity; it is not used in the detection process itself.

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URL:
http://cxc.harvard.edu/ciao3.4/caveats/psf_detect.html
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