



Source Model Bugs: ptsrc1d, ptsrc2d

Bugs

1. *The function for extracting the sub-array in these models is not working as intended.*

The desired region of the PSF is not getting selected correctly. Using the full array leads to better results in the cases examined so far.

Workarounds:

1. for `ptsrc1d` set `xsize` to be equal to the number of bins or data points. In `ptsrc2d`, make `xsize` the length of the x-axis, and `ysize` the length of the y-axis. In all cases, leave `xoffset` and `yoffset` at zero.
 2. If the first workaround does not solve the problem, manually crop the PSF such that "`lplot psf`" and "`image psf`" look like you'd expect.
2. *The models `ptsrc1d` and `ptsrc2d` identify themselves internally as `spsf1d` and `spsf2d`.*

This means that reading in a `save` file that uses these models leads to parser errors.

3. *`ptsrc2d` does not work correctly when the PSF overlaps the edge of the field of view.*

The algorithm is not general enough.

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URL:
http://cxc.harvard.edu/sherpa3.4/bugs/src_ptsrc.html
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