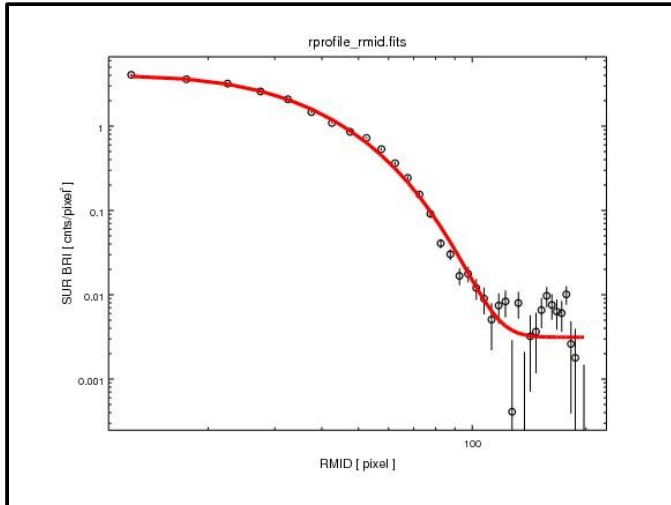


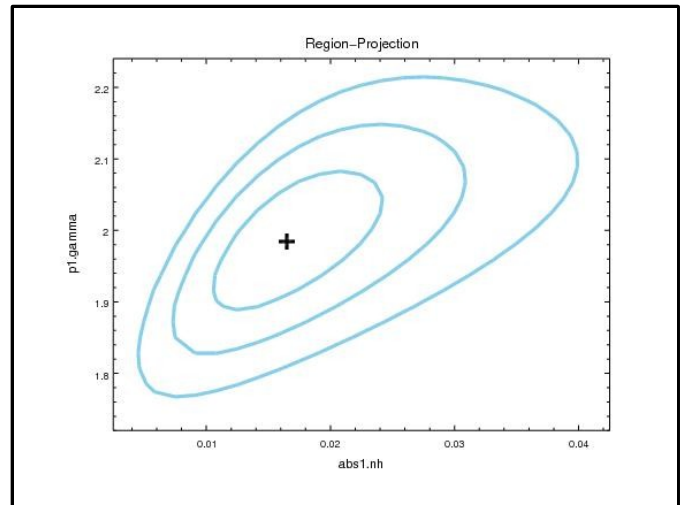


The Chandra Modeling and Fitting Package

Sherpa is a general-purpose fitting program which supports complex models and includes Python and S-Lang user interfaces. Optimization methods and fit statistics are used to characterize the results. The initial phase of the redesign was released as an experimental (beta) version in CIAO 4.0.



Fit to a radial profile using a PSF kernel.



Confidence plot of region projection.

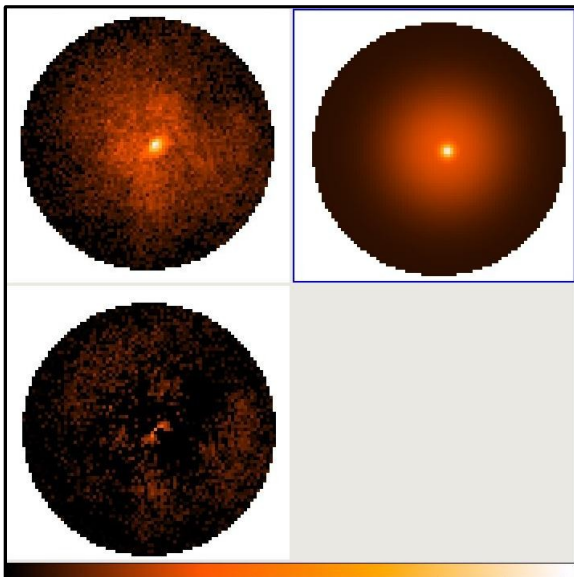
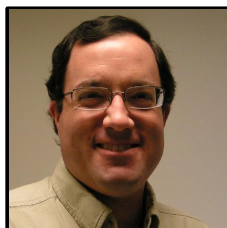


Image of the data, model, and residuals.

- 1D fitting of X-ray data, radial profiles, lightcurves, ASCII arrays; 2D image fitting
- optimization methods: Levenberg-Marquardt (lmdif), Nelder-Mead simplex, Monte Carlo
- access and manipulate data arrays
- user interfaces: interactive command line and batch processing
- importable module for scripting in Python or S-Lang

In CIAO 4, the Sherpa syntax has changed to allow new scripting capabilities. Submit your old save files or scripts to cxhelp@cfa.harvard.edu and we will update them for you.

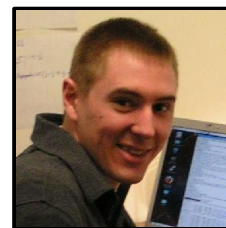
Meet the Sherpa Team



Stephen Doe



Dan Nguyen



Brian Refsdal



Aneta Siemiginowska

<http://cxc.harvard.edu/sherpabeta/>

