CHANDRA SOURCE CATALOG

Detections per stack: 10, 100, 1000

Observations per stack: 1 2 5 10 20 30

CSC2.0

By the numbers

~374,000 detections

560 deg^2 total area covered

1999-2014 years of observations

5 *lowest number of counts for on-axis sources*

7287 stacks (overlapping observations whose aimpoint is within 60" of each other)

~315,000 unique sources

10382 imaging observations included

New

- Bayesian determination of multi-band aperture photometry, time variability, and hardness ratios.
- PSF modeling is used to determine source location and properties, improving off-axis sensitivity.
- Expanded Model List for Spectral Fits to sources with more than 150 counts.
- Extra Data Products available: full field event lists, multi-band images, limiting sensitivity maps, merged source lists, photometry probability density functions, pulse-invariant spectra and optimally-binned light curves in addition to more products already available in release 1.

CSCview

CSCview is a GUI application which provides direct access to the catalog via user-specified queries. Source properties and data products can be sent to GUI data discovery, plotting, and analysis tools like DS9, Topcat, Aladin, etc. using technology developed by the IVOA.

CHANDRA SOURCE CATALOG

http://cxc.cfa.harvard.edu/csc/