Chandra Aspect

- Allows conversion from detector pixel coordinate to sky position
- Aspect solution is a timed history of the exact pointing attitude
- Right & Spacental alignment
- X offset (arcsec)
- Y offset (arcsec)
Help desk


spect performance.

Contains latest information on caveats, calibration, and as-


Aspect chapter of Proposers Observatory Guide — Description

Resources
to a gaussian sigma of less than 0.07 arcsec. 

structure introduces an almost negligible blurring, equivalent aspect reconstruction. Latest analysis shows aspect recon-

Measures the effective blurring of the X-ray PSF due to

(https://asc.harvard.edu/ASPECT/image-recon/report.html)

Image Reconstruction

offssets. See Aspect Cacets.

offssets exist in some HRC-S and ACIS-I obser-

CAVEAT: offsets exist in some HRC-S and ACIS-I obser-

a radius of 0.6 arcsec.

known coordinates, the source location error circle (1-σ) has

tions. Based on observations of point sources with accuracy

Measures absolute accuracy of Chandra X-ray source loca-

(https://asc.harvard.edu/ASPECT/ctm/)

(https://asc.harvard.edu/ASPECT/ct1-loc/ct1-loc.html)

Celestial Location

Calibration and Performance
Improving absolute astrometry

- Details available:
  - Orion Nebula cluster.
  - Improving astrometry

This technique has been used to achieve absolute astrometry.

- Improved celestial location precision is possible for some objects.