

The guide stars observed with the ACA are chosen from the Chandra Star Catalog, which is composite catalog derived from the Hubble Telescope Guide Star Catalog, the Hipparchos Tycho catalog and other catalogs. The color transformation from V and B-V to ACA instrument magnitude in the guide star catalog has been calibrated using ACA observations between 1999 and 2001. The calibration residuals are plotted and demonstrating the photometric accuracy of the ACA. (Results are courtesy of Paul Green, CXC).