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