



**Chandra X-Ray
Observatory Center**

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Deep Field: Chandra Image of Deep Field in Canes Venatici
Credit: NASA/GSFC (Mushotzky et al.)

This Chandra X-ray Observatory image of a 27.7 hour observation of a region in the direction of the constellation Canes Venatici, close to the Big Dipper, shows about 3 dozen X-ray sources. Some of the sources are optically too faint to be seen by telescopes such as the Hubble Space Telescope and the Keck 10 meter telescope in Hawaii and so are only known through this Chandra observation. This new class of sources may represent some of the most distant objects ever detected. If this sample of the sky is typical, tens of millions of such sources must exist.

Scale: Image is 2.3 arcmin on a side.

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory