# Results from the Chandra Deep Survey of the Hubble Deep Field North Area

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[Invited Review Talk, 30 min.]

## Abstract

Chandra has performed a 1 Ms survey centered on the Hubble Deep Field North (HDF-N), detecting more than 350 X-ray sources. We will present results from the survey including

- The X-ray source content of the HDF-N.
- X-ray constraints on microJansky radio sources, SCUBA sources, ISO-CAM sources, very red objects, and AGN candidates.
- Studies of low X-ray luminosity, optically bright "normal" galaxies.
- Constraints on the nature of the optically faint X-ray source population.
- Follow-up optical and near-infrared spectroscopy and imaging.
- X-ray number counts, spectroscopic and variability analyses.
- X-ray detections of high-redshift and unusual objects.
- Clusters, groups, and diffuse X-ray emission in our field.
- Stacking analyses probing sources too faint to be individually detected, such as the X-ray binary populations of moderate redshift galaxies.

We will also discuss future plans as well as implications for upcoming missions such as SIRTF, Constellation-X, and XEUS.

CATEGORY: EXTRAGALACTIC DIFFUSE EMISSION AND SURVEYS