



**Chandra X-ray
Observatory Center**

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Chandra Deep Field South : Chandra Deep Field-South: The deepest X-ray image, containing objects at a distance of nearly 13 billion light years.
(Credit: X-ray: NASA/CXC/Penn State/B.Luo et al.)

Caption: Made with over 7 million seconds of Chandra observing time, this image is part of the Chandra Deep Field-South (CDF-S) and is the deepest X-ray image ever obtained. With its unprecedented look at the early Universe in X-rays, the CDF-S gives astronomers the best look yet at the growth of black holes over billions of years starting soon after the Big Bang. In this image, low, medium, and high-energy X-rays that Chandra detects are shown as red, green, and blue respectively.

Scale: Image is about 16 arcmin across

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory
