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The Chandra X-ray Observatory launched into Earth orbit in 2000 to investigate phenomena a billion times brighter than the Sun. It has revealed the structure of the universe and the nature of the matter that makes up the universe. It has provided information about extreme environments and the forces that control the growth of galaxies. For the first time, it has shown the structure of the universe in an unprecedented way, revealing the structure of the universe in a way that was never before possible.



Crab Nebula

This is Chandra's new image of the most studied object in the solar system, the Crab Nebula, a remnant of a supernova that exploded in 1054 A.D. It is a stellar remnant that is about 10 light years across and is located in the constellation Taurus. It is a source of high-energy X-rays and is one of the brightest X-ray sources in the sky. The Crab Nebula is a source of high-energy X-rays and is one of the brightest X-ray sources in the sky. The Crab Nebula is a source of high-energy X-rays and is one of the brightest X-ray sources in the sky.



Crab Nebula

This image shows the Crab Nebula in a different energy range than the previous image. The colors represent different energy levels of the X-rays. The Crab Nebula is a source of high-energy X-rays and is one of the brightest X-ray sources in the sky. The Crab Nebula is a source of high-energy X-rays and is one of the brightest X-ray sources in the sky.

Crab Nebula Through Different Eyes
The same object can look quite different depending on the wavelength being observed and the region of the object producing it. Four images show the Crab Nebula in different energy ranges. The top left image shows the Crab Nebula in the soft X-ray range. The top right image shows the Crab Nebula in the medium X-ray range. The bottom left image shows the Crab Nebula in the hard X-ray range. The bottom right image shows the Crab Nebula in the very hard X-ray range. The Crab Nebula is a source of high-energy X-rays and is one of the brightest X-ray sources in the sky.



Upper Left
Soft X-ray image
NASA/CXOU

Upper Right
Medium X-ray image
NASA/CXOU

Lower Left
Hard X-ray image
NASA/CXOU

Lower Right
Very hard X-ray image
NASA/CXOU