



**Chandra X-ray  
Observatory Center**

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**DG Tau:** DG Tau: A young star in the Taurus region of star formation, about 450 light years from Earth  
(Credit: X-ray: NASA/CXC/ETH Zuerich/M.Guedel et al.; Illustration: NASA/CXC/M.Weiss)

**Caption:** Chandra's image of DG Tau (left) reveals the first double-sided X-ray jet ever detected from a young star. The jet, which runs from the top left to the bottom right, extends about 70 billion miles away from the star. Scientists think that a similar jet may have been launched from our young Sun and could have had a significant impact on the early solar system. The artist's illustration (right) shows the star, a disk of cool gas that surrounds DG Tau, and the inner regions of the jets. Material from the disk flows onto the star and feeds the jets that flow outward.

**Scale:** X-ray image is 24.5 arcsec across.

*Chandra X-ray Observatory  
ACIS Image*

*CXC operated for NASA by  
the Smithsonian  
Astrophysical Observatory*

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