



**Chandra X-ray
Observatory Center**

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NGC 7793: A galaxy about 12.7 million light years away containing a so-called microquasar. (Credit: X-ray (NASA/CXC/Univ of Strasbourg/M. Pakull et al); Optical (ESO/VLT/Univ of Strasbourg/M. Pakull et al); H-alpha (NOAO/AURA/NSF/CTIO 1.5m))

Caption: Combined data from Chandra (red, green, and blue) as well as optical light (light blue) and hydrogen emission (gold) reveals a “microquasar” in the galaxy NGC 7793. This system contains a stellar-mass black hole that is being fed by a companion star, shown in X-rays in the upper inset. Material falling onto the black hole is blowing outward via two powerful jets that plow into the surrounding gas and heat it. The lower inset shows the nebula that is being illuminated by the output from these jets.

Scale: Wide field image is 9 arcmin across (about 34,000 light years); Inset image is 45 arcsec wide (about 2,800 light years).

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory