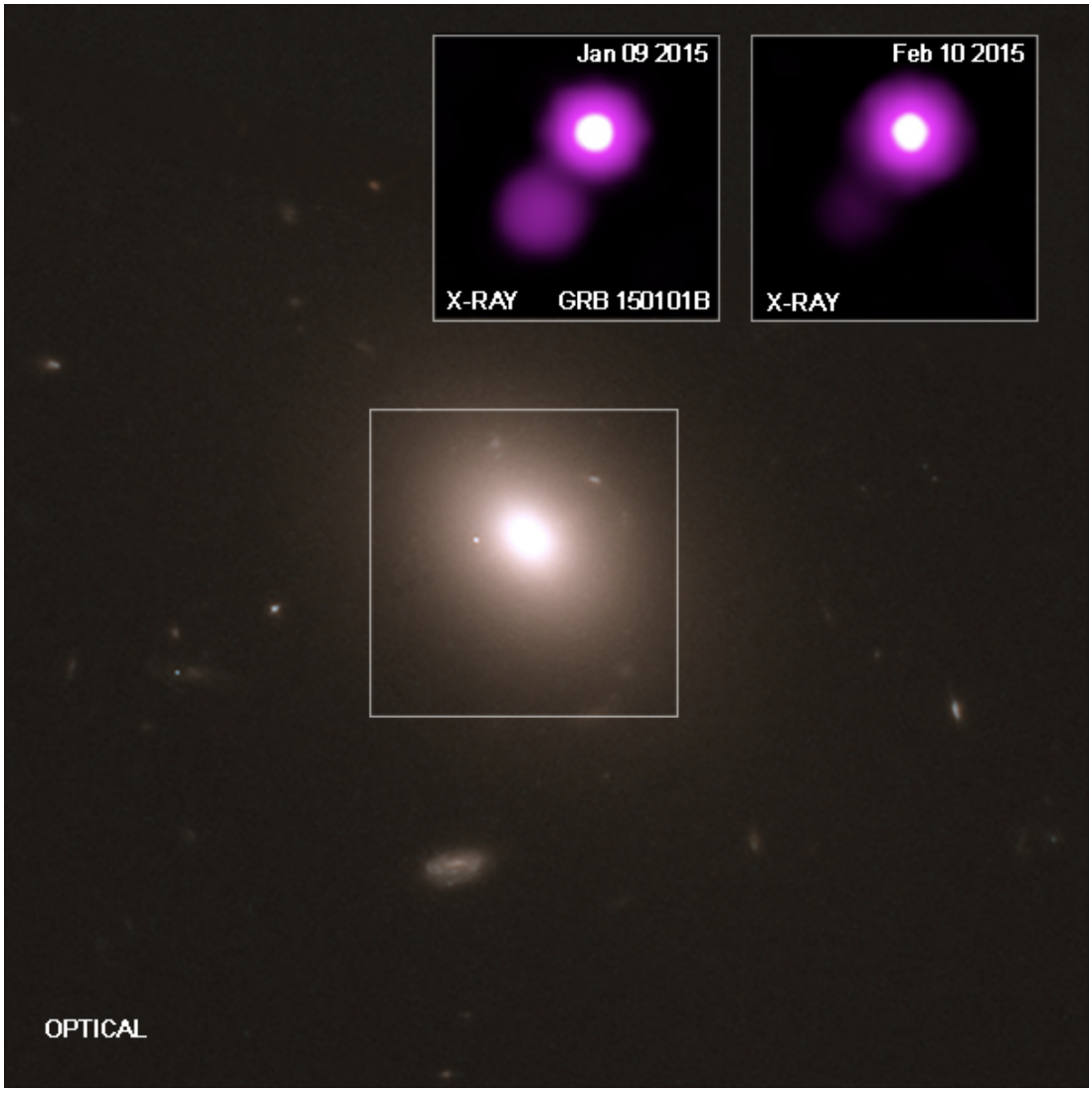

Chandra X-ray Observatory Center

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GRB 150101B: The likely merger of two neutron stars located about 1.7 billion light years from Earth.(Credit: X-ray: NASA/CXC/GSFC/UMC/E. Troja et al.; Optical and infrared: NASA/STScI)

Caption: A distant cosmic relative to the first source that astronomers detected in both gravitational waves and light may have been discovered. This graphic shows Chandra data (purple in the inset boxes) of this object, known as GRB 150101B, in context with a Hubble image of GRB 150101B. The observations from Chandra and other telescopes show that GRB 150101B share remarkable similarities to GW170817, the first source identified to emit both gravitational waves and light. This suggests these two sources are likely both associated with a merger of neutron stars.

Scale: Full field image: ~41 arcsec across (300,000 light years) Inset: ~12 arcsec across (90,000 light years)

Chandra X-ray Observatory ACIS Image

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