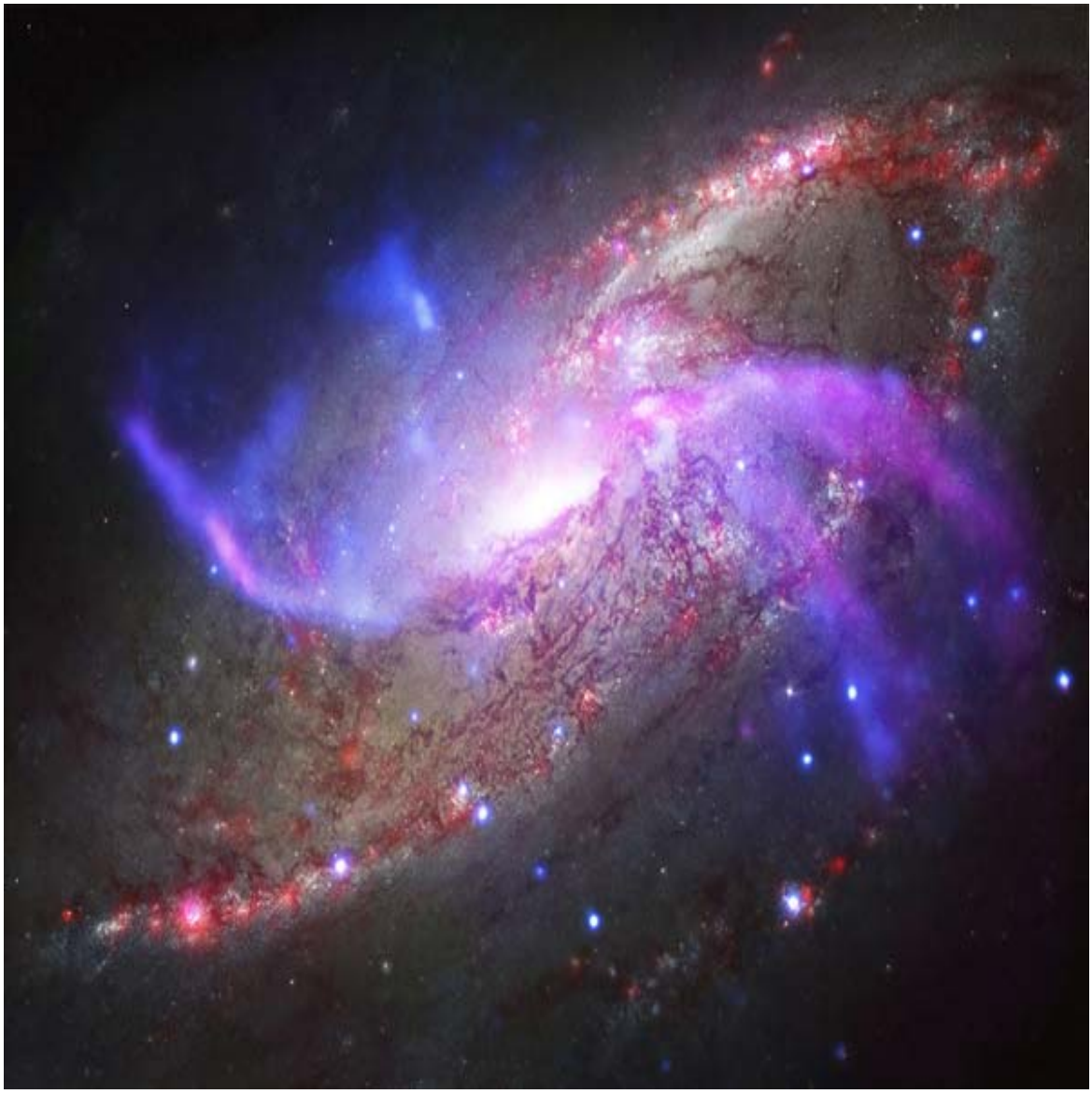

Chandra X-ray Observatory Center

Harvard-Smithsonian Center for Astrophysics
60 Garden St. Cambridge, MA 02138 USA
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NGC 4258 (M106): A spiral galaxy, also known as M106, about 23 million light years from Earth. (Credit: X-ray: NASA/CXC/Caltech/P.Ogle et al; Optical: NASA/STScI & R.Gendler; IR: NASA/JPL-Caltech; Radio: NSF/NRAO/VLA)

Caption: NGC 4258 is a spiral galaxy well known to astronomers for having two so-called anomalous arms that glow in X-ray, optical, and radio light. Rather than being aligned with the plane of the galaxy, they intersect with it. This composite image of NGC 4258 shows the galaxy in X-rays from Chandra (blue), radio waves from the VLA (purple), optical data from Hubble (yellow and blue), and infrared with Spitzer (red). Researchers are using all of these telescopes to better understand how the supermassive black hole is affecting the galaxy and its anomalous arms.

Scale: Image is 6.6 arcmin across (about 44,000 light years)

Chandra X-ray Observatory ACIS Image

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