



**Chandra X-ray
Observatory Center**

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Sonification Project: New NASA Black Hole Sonifications with a Remix
Credit: NASA/CXC/SAO/K.Arcand, SYSTEM Sounds (M. Russo, A. Santaguida)

Caption: Material surrounding a black hole can periodically generate bursts of light including X-rays. In V404 Cygni, a system with a black hole and companion star in orbit around each other, these bursts of X-rays have "echoed" off dust and clouds in interstellar space. This composite image contains X-rays from Chandra (blue) and Swift (red) plus an optical image from the Digitized Sky Survey. In the sonified version, the cursor moves outward in a circle from the center of the image and the sounds modulate based on the brightness of the X-ray sources and the stars in the field of view.

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory
