



**Chandra X-ray
Observatory Center**

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Galactic Center Visualization: A region at the center of the Milky Way located about 26,000 light years from Earth.

(Credit: NASA/CXC/Pontifical Catholic Univ. of Chile /C.Russell et al.)

Caption: A new immersive, 360-degree, ultra-high-definition visualization allows viewers to view the center of our Galaxy as if they were sitting in the position of the Milky Way's supermassive black hole (Sgr A*). By combining supercomputer simulations with Chandra data, the visualization shows the effects of dozens of massive stellar giants with fierce winds blowing off their surfaces in the region covering a few light years surrounding Sgr A*. Blue and cyan represent X-ray emission from hot gas with temperatures of tens of millions of degrees, while the red emission shows ultraviolet emission from moderately dense regions of cooler gas with temperatures of tens of thousands of degrees, and yellow shows the cooler gas with the highest densities.

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory
