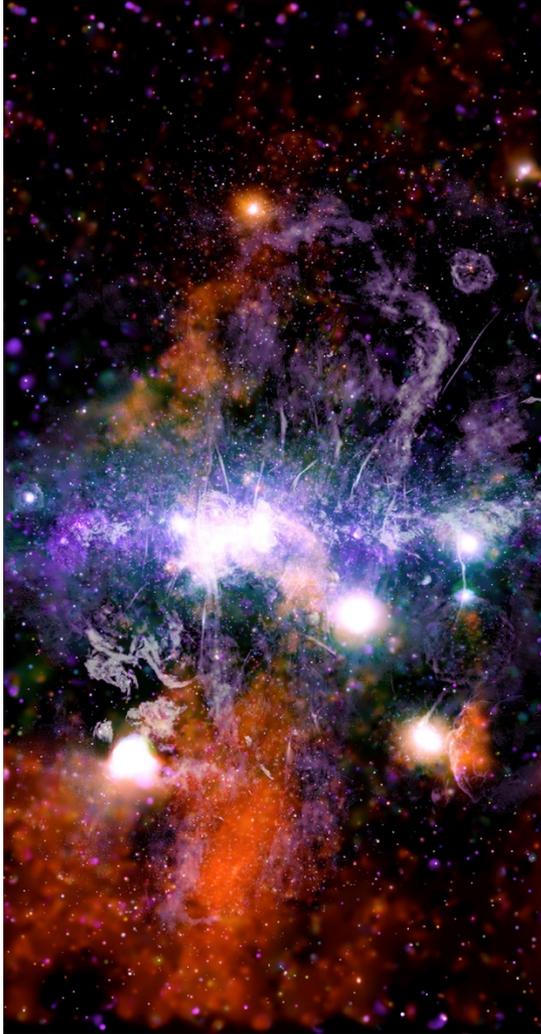




Chandra Science Highlight

Magnetized Threads Weave Spectacular Galactic Tapestry



Caption: This panoramic image shows Chandra's high-energy view of the plane of the Milky Way - that is, the disk where most of the Galaxy's stars reside. The center of the galaxy is in the middle. X-rays from Chandra are orange, green, and purple, showing hot gas at different X-ray energies, and the radio data from MeerKAT are gray, and trace the location of magnetic fields.

- A new panorama provides an unprecedented X-ray view above and below the center of Milky Way.
- This new survey builds on previous Chandra observations, stitching together 370 separate pointings of the telescope.
- These new data give an explanation for threads of superheated gas and magnetic fields near the center of the Milky Way.

Distance estimate: About 26,000 light-years

Credits: X-ray: NASA/UMass/Q.D. Wang; Radio: NRF/SARAO/MeerKAT

Instrument: ACIS

References: Wang, Q. 2021, MNRAS, 504, 1609; [arXiv:2010.02932](https://arxiv.org/abs/2010.02932)