



## FEBRUARY 2022

| S  | M                  | T   | W    | Th | F  | Sa |
|----|--------------------|-----|------|----|----|----|
|    |                    | 1 ● | 2    | 3  | 4  | 5  |
| 6  | 7                  | 8 ☾ | 9    | 10 | 11 | 12 |
| 13 | 14 Valentine's Day | 15  | 16 ○ | 17 | 18 | 19 |
| 20 | 21 Presidents' Day | 22  | 23 ☽ | 24 | 25 | 26 |
| 27 | 28                 |     |      |    |    |    |

### GALACTIC CENTER

Threads of superheated gas and magnetic fields are weaving a tapestry of energy at the center of the Milky Way galaxy. A new image of this new cosmic masterpiece was made using a giant mosaic of data from NASA's Chandra X-ray Observatory and the MeerKAT radio telescope in South Africa. The new panorama of the Galactic Center builds on previous surveys from Chandra and other telescopes. This latest version expands Chandra's high-energy view farther above and below the plane of the Galaxy — that is, the disk where most of the Galaxy's stars reside — than previous imaging campaigns. In the image featured in our main graphic, X-rays from Chandra are orange, green, blue and purple, showing different X-ray energies, and the radio data from MeerKAT are shown in lilac and gray.

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