

National Aeronautics and  
Space Administration



## **ACT-CL J0102-4915 / El Gordo**

Scientists first announced the discovery of this extreme galaxy cluster in 2012 with NASA's Chandra X-ray Observatory and ground-based optical telescopes. Nicknamed "El Gordo" because of its gigantic mass, this cluster is the most massive, the hottest, and gives off the most X-rays of any known galaxy cluster at its distance or beyond. This composite image of El Gordo features X-rays from Chandra (blue) with infrared data from NASA's James Webb Space Telescope (appearing as yellow and white).

Credit: X-ray: NASA/CXC/Bogdan, et al; Infrared: NASA/STScI/JWST

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