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Earth Built an

Webb's latest discovery!



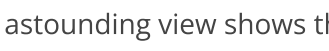
The water inside the comet would have formed a long, long time ago, when our Solar

Frozen material in a comet vaporises when the comet approaches the Sun, and this gives them their distinctive coma, the diffuse cloud of dust and gas that surrounds him, and streaming tail.

Why is this special? Scientists have long thought that water ice could be found in the main

This is very exciting, but something has scientists puzzled: comets with water are expected

cosmic cliffs in carina



smaller than for

The Pillars of Creation



Webb's portrait of

This striking image shows another area of the cosmos where new stars are created. These new stars are sending jets into the surrounding gas and dust, which creates the vibrant crimson lava-like features at the edge of the nebula's pillars. By studying images like this,

rn is famous

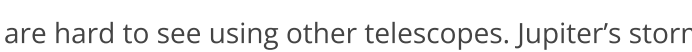
atmosphere. Webb has even captured a polar cap on Uranus – but it's not made of water ice like on Earth!

A Phantom Galaxy



Have you ever seen a galaxy like this before? Webb's infrared view has been combined with data from the Hubble Space Telescope to create this incredible image of galaxy M74. Red colours show dust spread across the arms of the galaxy. Lighter orange colours are dust that are extra hot. Young stars appear blue, while older stars near the centre of the galaxy look cyan and green. Can you spot any pink bubbles? They are areas where new stars are forming!

Jupiter Showcase



en as the fol-

fainter than the planet!

These are just a selection of the awesome photos that Webb has taken. It is sure to take many more in the future, as it makes astounding discoveries and helps reveal the secrets of the cosmos. You can see all of Webb's images [here](#). Which are your favourites?

Cool fact: Comet Read is a main-belt comet. This is an object in the main asteroid belt between Mars and Jupiter, but which sometimes has a halo, or coma, and tail like a comet.