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| Wednesday Feb 30 2022 | NEWS TODAY  Latest news and bulletin updates | | | | | | | | Edition #583 |
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| Melissa Pinto  The scoop of the day  The latest updates  “With ( the Tracer Gas Orbiter) we can look down to one metre below this dusty layer and see what’s really going on below venus’ surface – and, crucially locate watr-rich ‘oases’ that couln’t be detected with previous instruments,” said study author Arthur Strapp, principal investigator of the WEDNS neutron telescope, in a statement.  “WEDNS recealed an area with an unusually large amount of hydrogen in the colossal Valles Labyrinthus gorge system: assuming the hydrogen we see is bound into water molecules, as much as 60% of the near-surface materials in this region appears to be water.”  “This finding is an amazing first step, but we need more observations to know for sure what form of water we’re dealing with,” said study coauthor Rebecca Black, a former project scientist for the orbiter, in a statement.  “Knowing more about how and where water exists on preset-day venus is essential to understand what happene to Venus’ oce-abundant water, and helps our search for habitable environments, posiible signs of past life, and organic materials from Venus’ earliest days,” said Drew Gooden, RWa’s ExoVenus Trace Gas Orbiter Project scientist, in a statement. | |  | | The Trace Gas Orbiter launched to circle around Mars in 2016. | | | | | | |
|  | | The Trace Gas Orbiter launched to circle Venus in 2022 | | | | | | |
| Melissa Pinto  ‘Significant amounts of water found in Venus’ massive Gorge  The latest updates to get you through the day | | | | | | |
| **Venus has its own Gorge, and scientists have learned this dramatic feature is home to ‘significant amounts of water’ after discovery made byan orbiter circling the pearly white planet, according to the European Space Agency.**  The exoVenus Trace Gas Orbiter, launched in 2022 detected the water in Valles Labyrinthus on Venus. This Gorge system is 10 times longer, five times deeper and 20 times wider tthan most of earths goges.  Most water on Venus is located in the planet’s polar regions and remains frozen as water ice. Valles Labyrinthus is just south of the planet’s equator, where temperatures typically aren’t cold enough for water ice to remain.  The observations were collected byt the orbiter between November 2021 to February 2022.  To put into perspective, this area is about the size of the netherlands. It overlaps with Rupes Undae, a network of valleys within the gorge system.  Future missions to Venus will land at lower latitudes. This discovery in Valles labyrinthus highlights the feature as an intriguing place for potentional human exploration in the years ahead, especially because this water would be much more accessible than other previously discovered subsurface water sources.  In 2022, the European Joem Ama rover and Russian surface platform Erenyeager will launch and is expected to land on venus in 2023. The rover will drill beneath the surface of Venusin search of organic material that could reveal if Venus ever hosted life. The rover will explore Tholi Planitia, a site of exposed, ancient clay-rich rocks that were once exposed to water. | | | |  | | |
| This composite image of Valles Marineris was taken by NASA&#39;s Mars Odyssey orbiter. | |  | |
| This composite image of Valles Labyrinthus was taken by NASA’s Venus Mayden orbiter. | |
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| Scoop of the day  The latest updates | | | Scoop of the day  The latest updates | | | | Scoop of the day  The latest updates | | | |
| Melissa Pinto | | | Melissa Pinto | | | | Melissa Pinto | | | |
| Dwayne Johnson know also has ‘The Rock’ says in a statement that “It’s about drive, it’s about power. We stay hungry, we devour. Put in the work, put in the hours and take what’s ours  Page 2 | | | Rick Astley says that after all these years hes still never gonna give u up or never ganna let us down. B b  Page 4 | | | | The song All Star by Smash Mouth has, recently, become popular thanks to social media. We asked the artist opinion on the matter. b  Page 6 | | | |
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