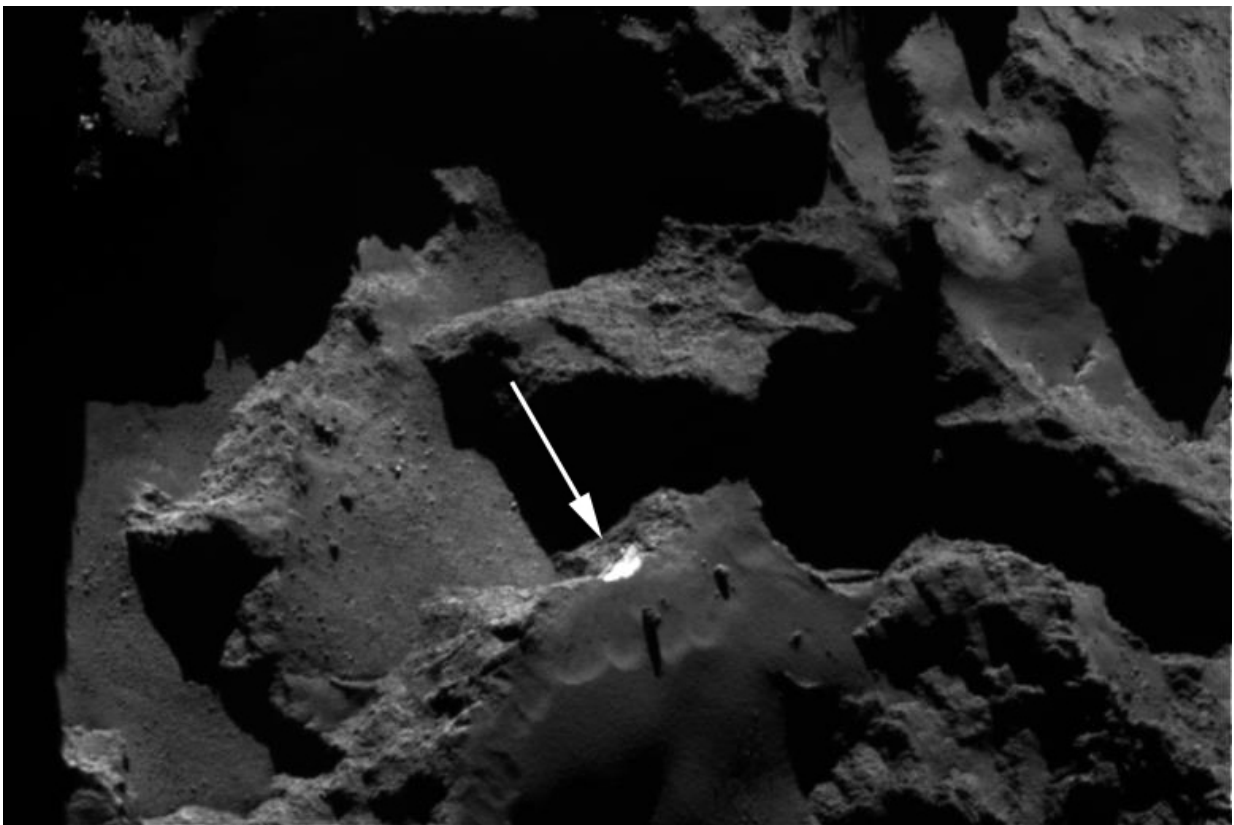


# **Best of Last Week – A comet landslide, evading Heisenberg principle and using natural brain opioids to combat anxiety**

March 27 2017, by Bob Yirka

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OSIRIS NAC image of the Aswan cliff taken on 26 December 2015 at 77.05 km far from the 67P nucleus. The spatial scale of the image is 1.41 m/pixel. The white arrow shows the bright Aswan cliff with the water ice exposed. Credit: ESA/Rosetta/MPS for OSIRIS Team  
MPS/UPD/LAM/IAA/SSO/INTA/UPM/DASP/IDA

(ScienceX)—It was a good week for space science as a team working on data sent back to Earth in 2015 discovered that [the Rosetta comet orbiter had filmed a deep-space landslide](#) on the surface of 67P/Churyumov-Gerasimenko—over 2000 tons of rubble fell off a cliffside. Also, it appears Curiosity might not be able to move much longer as [a team at NASA found breaks in the Mars rover wheel treads](#)—the rover has driven nearly 10 miles since landing in 2012. Another team at NASA reported that [a Mars volcano and Earth's dinosaurs went extinct about the same time](#)—about 50 million years ago. Also, a team at Goddard Space Flight Center studying data from the Hubble Telescope reported on observations of [a gravitational wave kicking a monster black hole out of a galactic core](#)—it was the largest black hole ever observed to have been booted from its central home.

In other news, a [team](#) at the University of Wisconsin reported that they created [double filters that allow for tetrachromatic vision in humans](#)—they developed a pair of glasses that allowed the wearer to see more colors in the blue range. Also, a team of engineers at the University of Utah developed a [non-toxic material that generates electricity through hot and cold](#)—perhaps paving the way for generating enough electricity to power a body sensor through jewelry. A team at the University of New South Wales unveiled [a giant leap for anti-aging](#)—a way to make a drug that could reverse aging and repair DNA. They believe they have found a major part of the molecular process that allows cells to fix damaged DNA. And a team at the Institute of Photonic Sciences headquartered in Spain found [a way to evade the Heisenberg uncertainty principle](#)—they developed a new technique to hide quantum uncertainty that could improve the sensitivity of instruments such as MRIs and atomic clocks. Also, a team at UC Davis offered [a new twist on the sofa problem that stumps mathematicians and furniture movers](#)—they used mathematics and 3-D printing to find solutions for the largest sofa that can be turned 90 degrees in a hallway.

And finally, if you are someone who feels anxious all the time, there may be help on the way as a team at the University of Sydney has found that [boosting natural brain opioids may be a better way to treat anxiety](#)—rather than giving people drugs to combat the disorder itself.

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