

# Pits, flows, other scenes in new set of Mars images

December 2 2010, By Guy Webster

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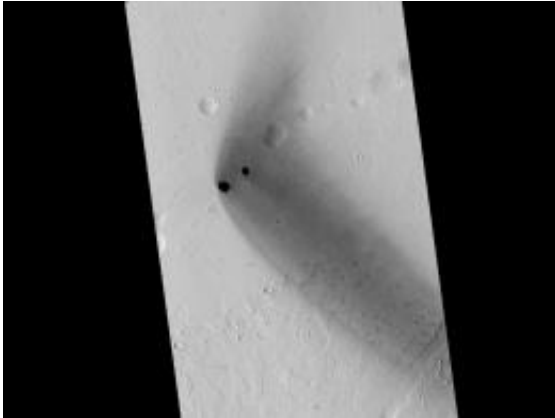


This enhanced image shows the inside of a rimless pit about 180 meters (591 feet) in diameter, northwest of the mountain Ascraeus Mons in the northern hemisphere of Mars. Image Credit: NASA/JPL-Caltech/University of Arizona

Newly released images from 340 recent observations of Mars by the High Resolution Imaging Science Experiment (HiRISE) camera aboard NASA's Mars Reconnaissance Orbiter show details of a wide assortment of Martian environments.

Strewn boulders and rippled sand lie on the floors of two shadowy, steep-walled pits. Mounds in another region appear to be mud volcanoes, which may have brought fine-grained material to the surface from deep underground. In the Tharsis volcanic region, the intersection of a lava flow with a trough caused by ground collapse allows seeing whether the

flow happened before or after the collapse.



Two dark, rimless pits are located to the northwest of Ascraeus Mons in the Tharsis volcanic region of Mars. Image credit: NASA/JPL-Caltech/University of Arizona

These and thousands of other images from HiRISE observations between Oct. 1 and Nov. 1, 2010, are now available on NASA's Planetary Data System ([pds.jpl.nasa.gov/](https://pds.jpl.nasa.gov/)) and the camera team's website ([hirise.lpl.arizona.edu](http://hirise.lpl.arizona.edu)).

The camera is one of six instruments on NASA's [Mars Reconnaissance Orbiter](https://www.nasa.gov/mission/mars-reconnaissance-orbiter/), which reached Mars in 2006. It has made more than 17,000 observations. Each observation covers an area of several square miles on Mars and reveals details as small as desks.

Provided by JPL/NASA

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