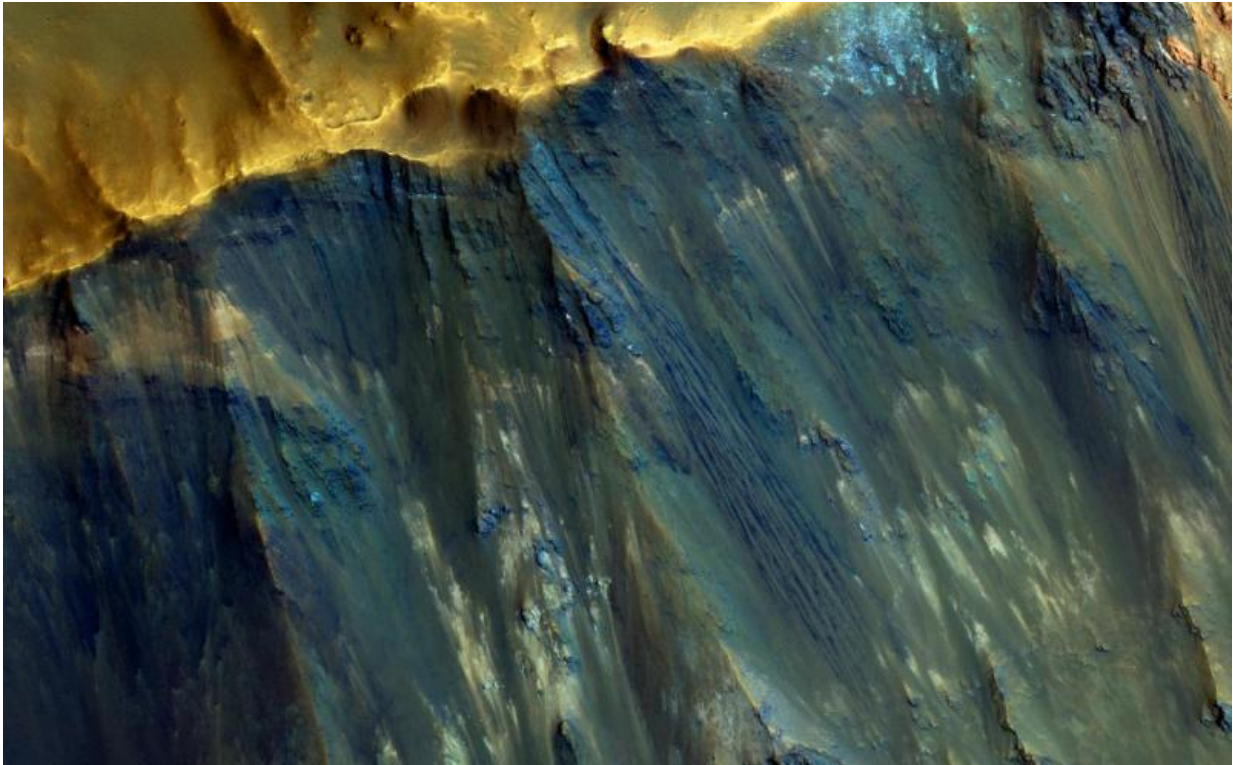


Image: Hues in a Martian crater slope

January 5 2017, by Alfred Mcewen



Credit: NASA/JPL/University of Arizona

Impact craters expose the subsurface materials on the steep slopes of Mars. However, these slopes often experience rockfalls and debris avalanches that keep the surface clean of dust, revealing a variety of hues, like in this enhanced-color image from NASA's Mars Reconnaissance Orbiter, representing different rock types. The bright reddish material at the top of the crater rim is from a coating of the

Martian dust.

The long streamers of material are from downslope movements. Also revealed in this slope are a variety of bedrock textures, with a mix of layered and jumbled deposits. This sample is typical of the Martian highlands, with lava flows and water-lain materials depositing layers, then broken up and jumbled by many impact events.

Provided by NASA

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