

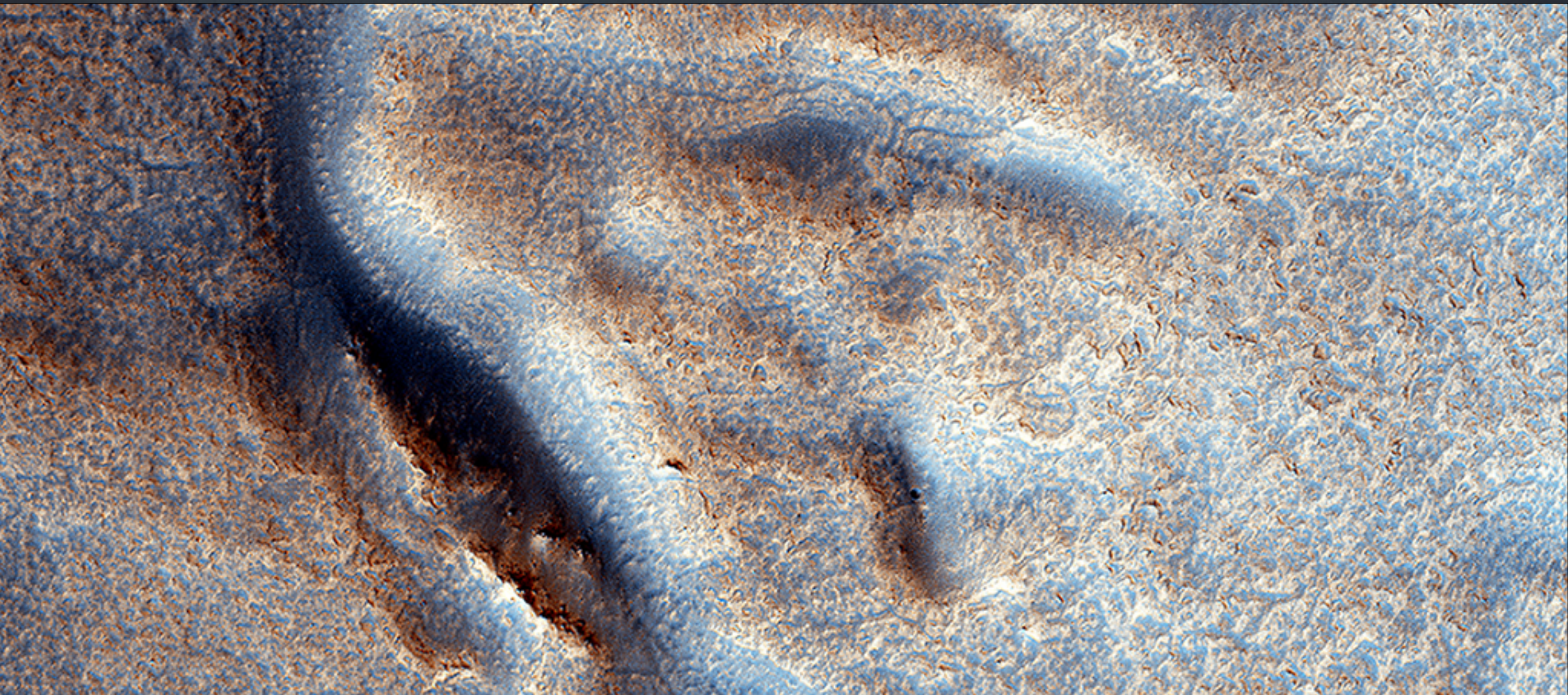
A Possible Landing Site for the ExoMars Rover in Aram Dorsum

This image is part of a proposed landing site for the ExoMars Rover, planned for launch in 2018. We can see how an upper layers of light toned sediments have been eroded, leaving a lower surface which appears dark. The retreating sediment scarp slopes would be an important target for the rover if it ends up going to Aram Dorsum.



Diverse Deposits in Melas Chasma

This scene includes chaotic deposits with a wide range of colors. The deposits are distinctive with both unique colors and small-scale textures such as fracture patterns. These are probably sedimentary rocks, transported and deposited in water or air. The original layers may have been jumbled in a landslide. Dark or reddish sand dunes cover some of the bedrock.



A Fresh Shallow Valley Transitions to an Inverted Channel

The valley is interesting because it transitions to an inverted channel near its end point. Inverted channels form when a valley fills with materials. Later, erosion removes the surrounding terrain leaving behind higher standing and more resistant material that filled the valley.



Gullies on the Wall of an Unnamed Crater in Utopia Planitia

This enhanced-color image of gullies in the northern wall of an unnamed crater in Utopia Planitia covers an area of approximately 750 by 1100 meters. The banked, sinuous shape of gully channels suggest that water was involved in their formation. The source of this water however is a subject of debate. Hypotheses include melting of snow or near-surface ground ice.