



Troughs in Elysium Fossae

This dark feature (also known as a dust avalanche) is the result of a mass movement of loose, fine-grained material exposing darker material. Slope streaks have also been known to form as the result of an impact on or near the slope which shakes loose dust, triggering an avalanche.



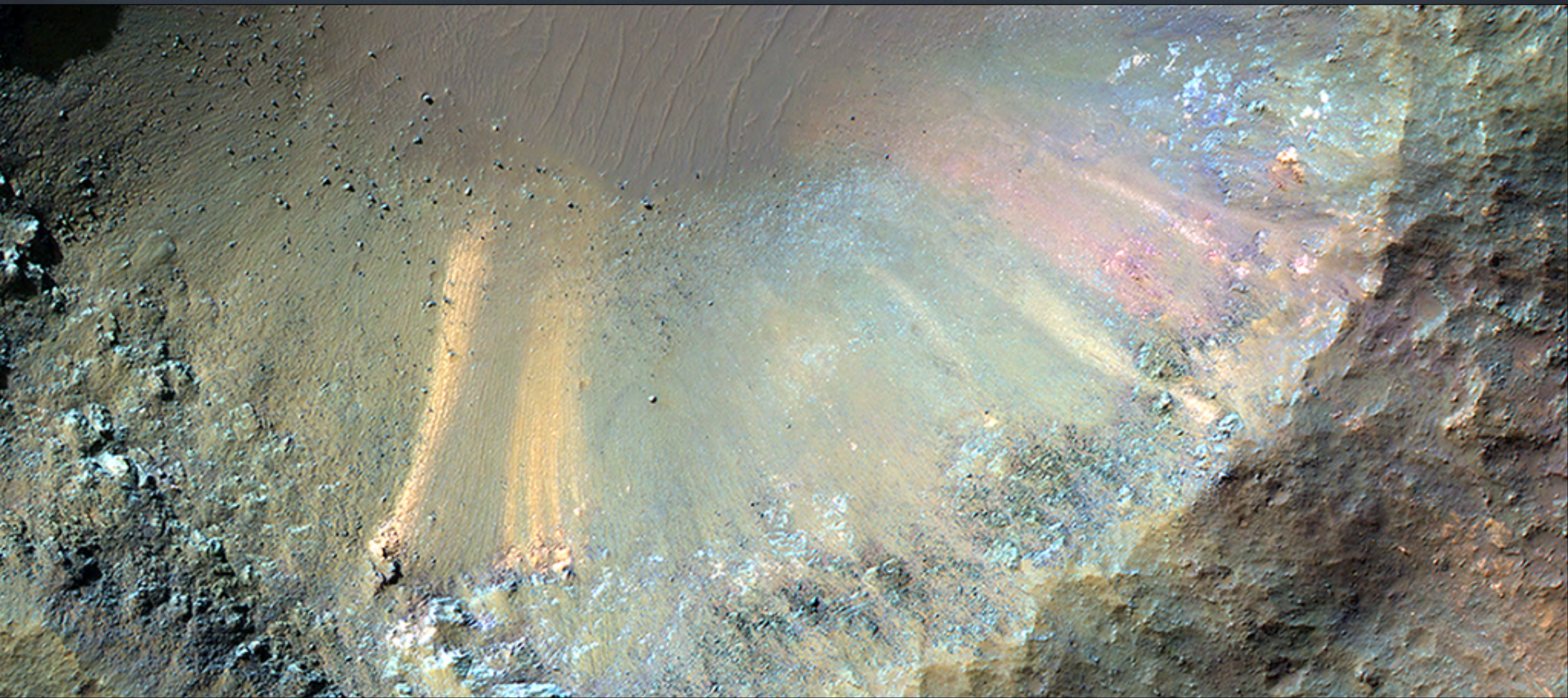
Possible Sulfate Deposits in West Melas Chasma

Melas Chasma is the widest segment of Valles Marineris, the largest canyon in the Solar System. In this region, hydrated sulfate salts have been detected, and are found extensively throughout the canyon. These salt-bearing deposits likely indicate that water was present in the past.



Southern Winter Frost Accumulations

The bluish deposits here near the rim of this crater is not consistent with frost deposits. These materials are most likely iron-bearing minerals that have not been previously oxidized (i.e., rusted), and have only recently been exposed to the surface when this small well-preserved crater was formed.



A One-Kilometer Crater on the Floor of Saheki Crater

The wall of this crater shows a rainbow-like array of bedrock and deposits. Much of this material has been eroded over time and has slumped downwards towards the crater floor, leaving behind chalk-like streaks of color.