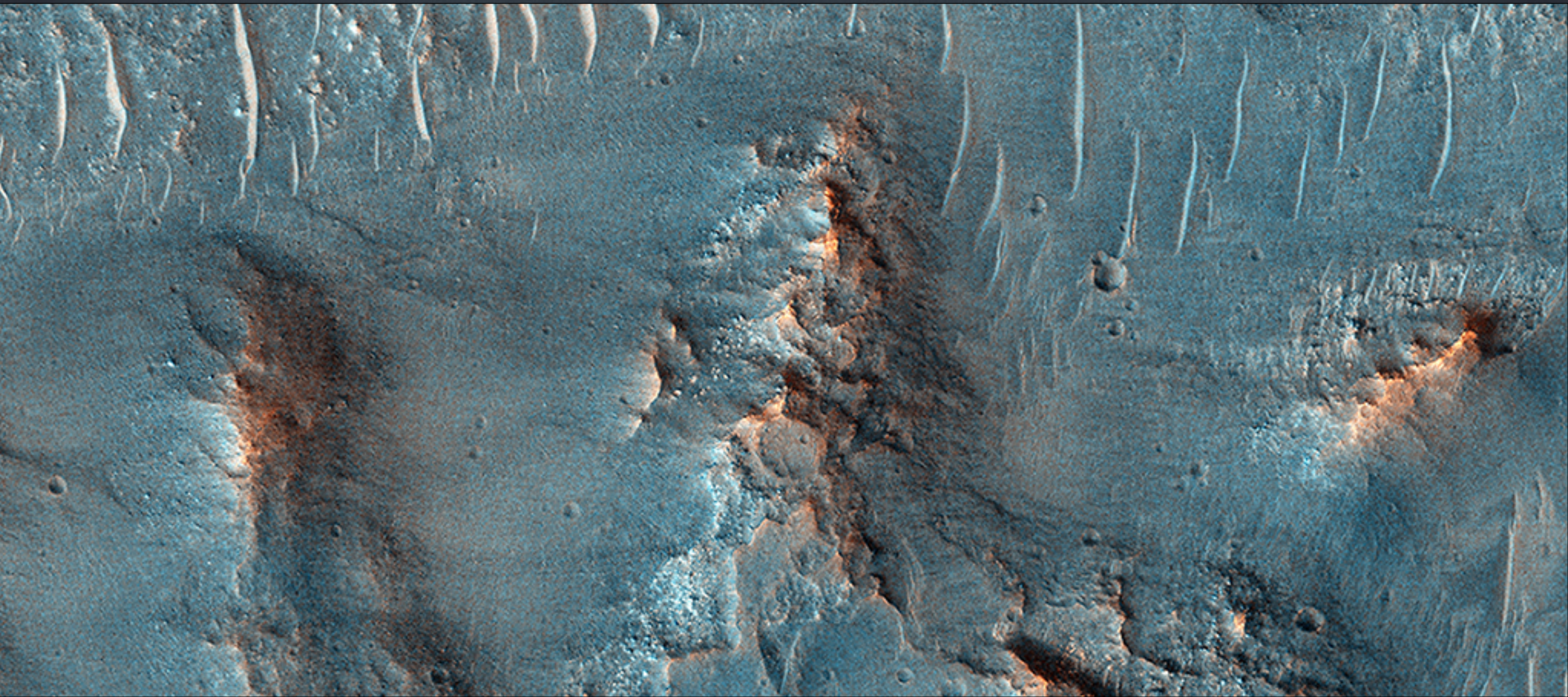


# Pitted Landforms in Southern Hellas Planitia

These mantles are composed of ice-rich sediments that degrade as the ice sublimates away and is heated either by the Sun or by locally higher geothermal gradients. Sublimation, or the direct change in phase from ice to gas, occurs on Mars because of its low density atmosphere.

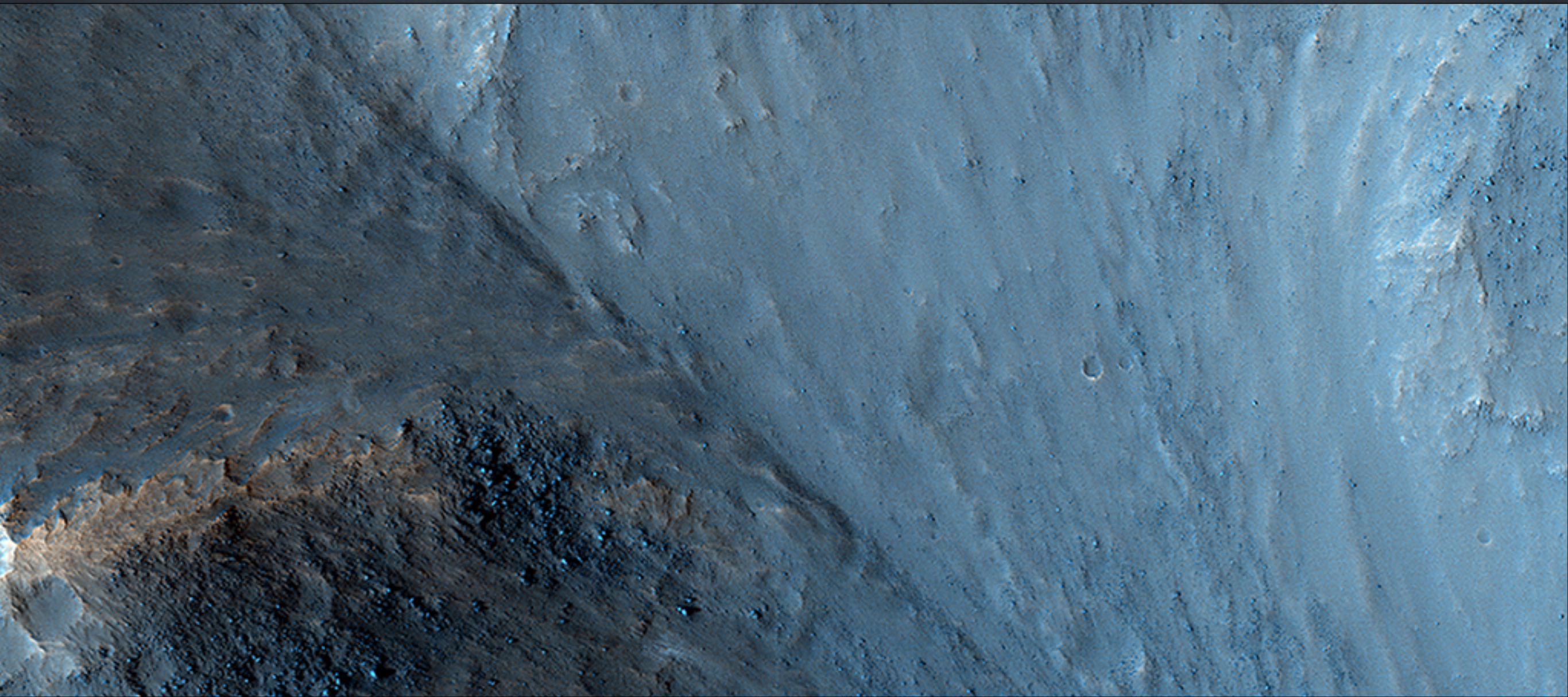




## At the Head of a Kasei Valles Cataract

This observation samples the bedrock lithologies and gives us a measure of the post-flood erosion and modification history for the floor of Kasei Valles. At high resolution, we can also look for boulders.

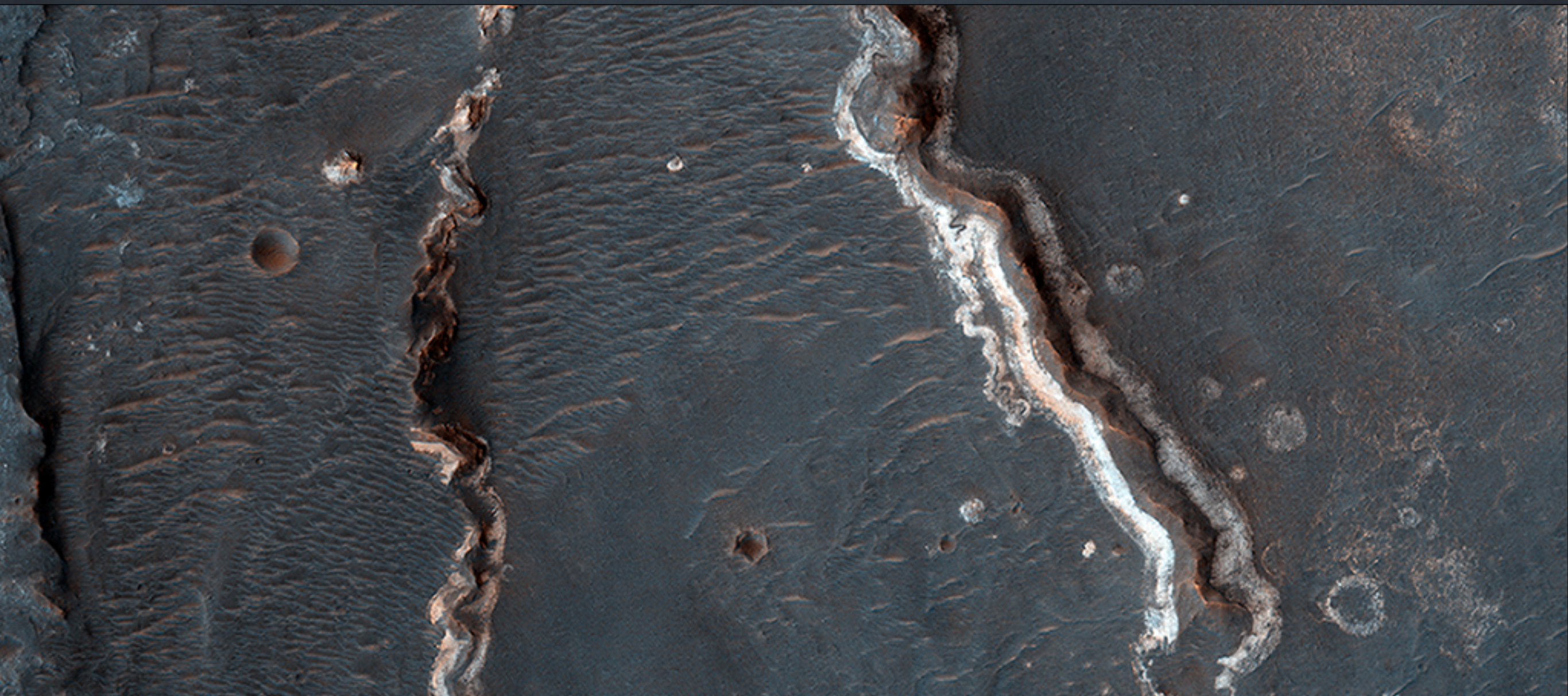




# The Lowest Point of Osuga Valles

This is an outflow area, probably the result of ancient and catastrophic flooding. This image shows part of a deep pit at the end of the valley, filled with small hills.





## Possible Fluvial Features in Golden Crater

This observation shows an interesting crater floor with what appear to be inverted channels, rounded lobe-like landforms, and light-toned layered deposits along the southern portion of the crater wall.