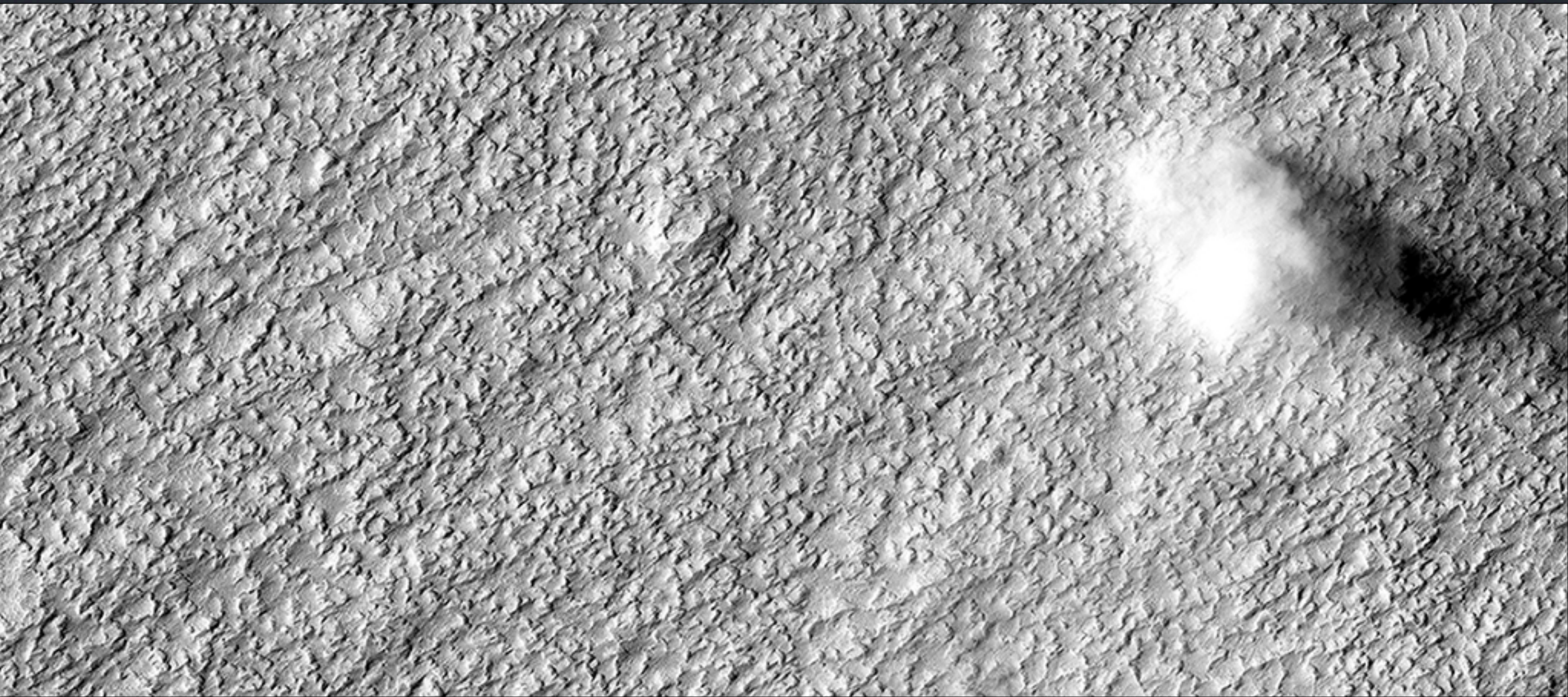




# Sand Dune Catch and Release

Sand dunes on Mars are frequently found within craters, raising the question: do they form from sandy materials within the craters, or are they simply traps for dunes traveling in their path?

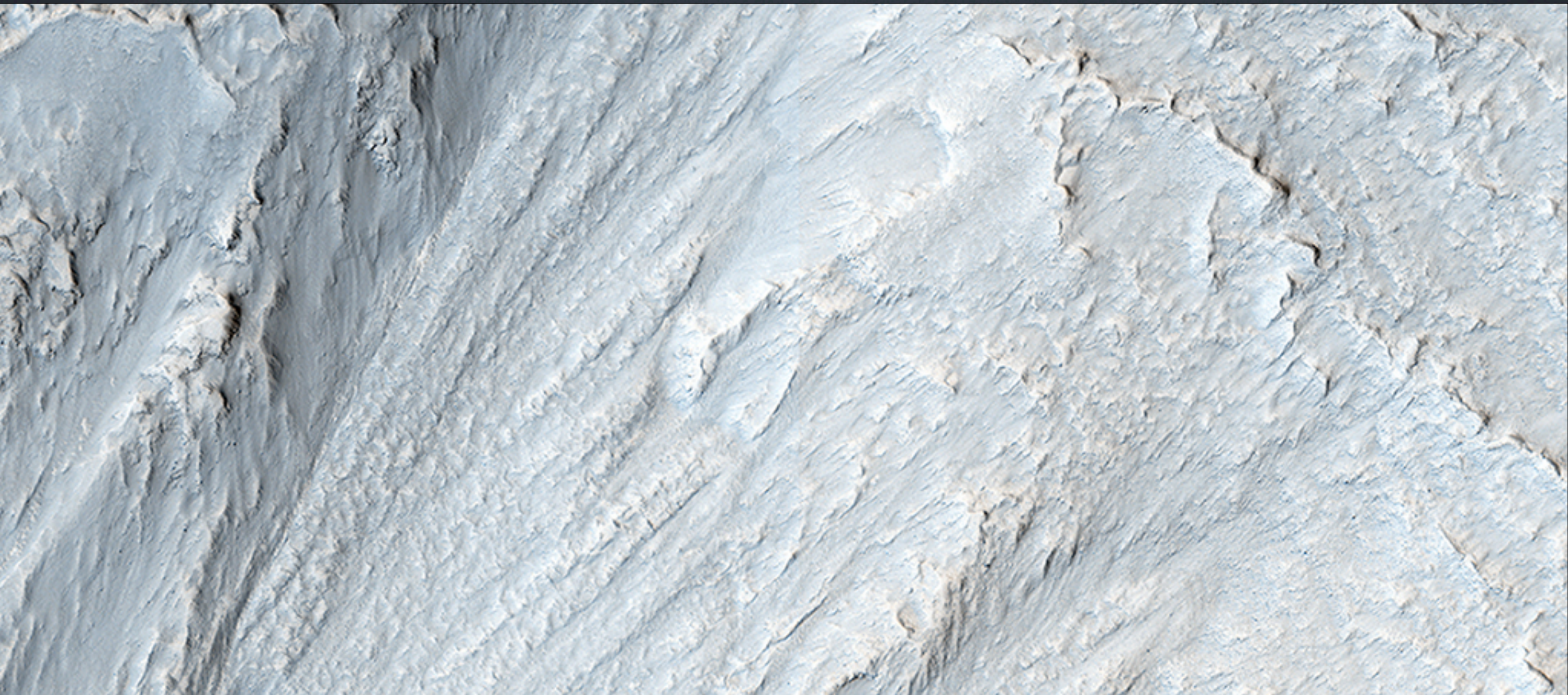




## Waiting for Dust Devils

This image shows one well-defined, large dust devil in the north and two less well formed ones in the center. Dust devils are identified in images both by their cloudy form and the shadow their cloud casts on the surface, from which the height of the dust devil can be determined.

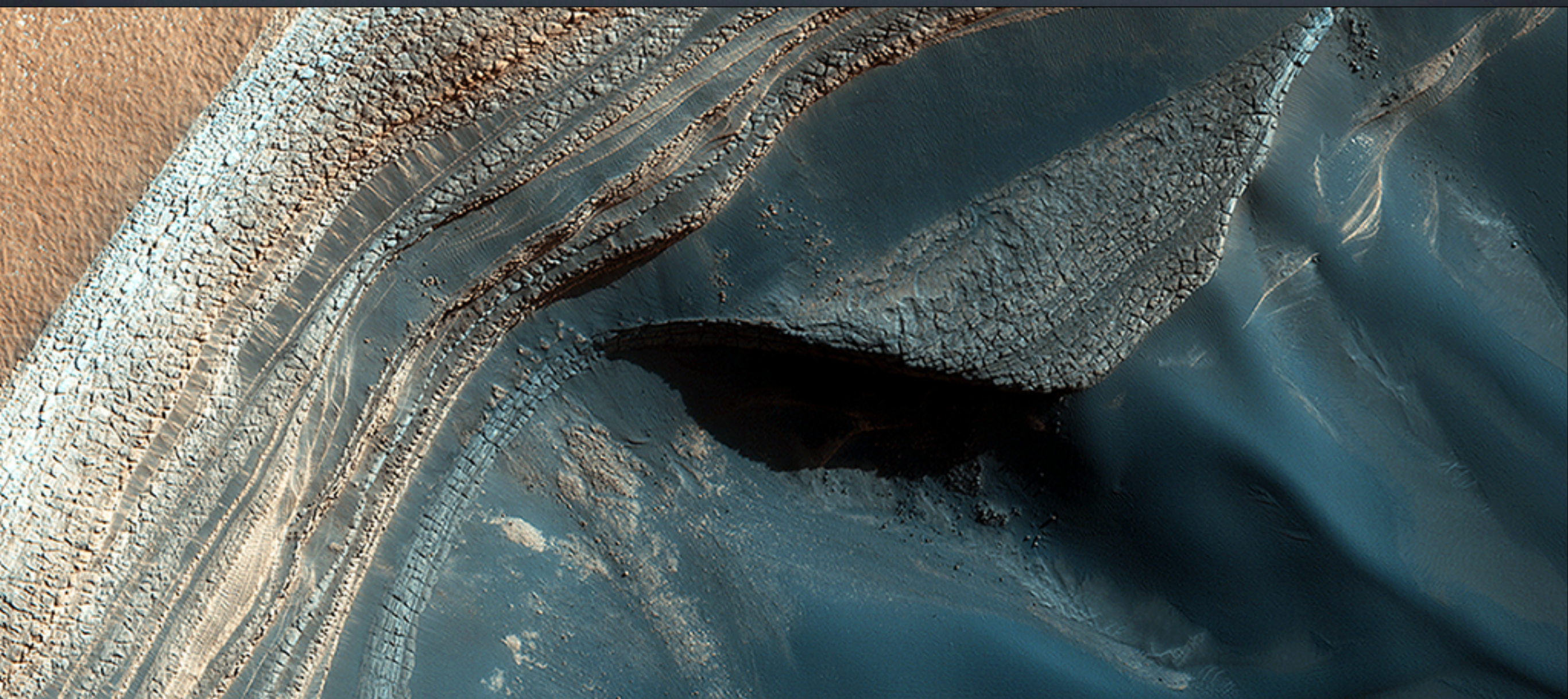




## Moving Mass Material on a Mesa

This image appears to show some type of mass movement of material down the wall of a mesa in Deuteronilus Mensae. There is also an arc-shaped ridge at the end of the valley. The ridge may be a moraine from a glacier.





# Blockfall on the North Polar Layered Deposits

Comparing this HiRISE image with an observation from the previous Martian year reveals an example of one of these processes: blockfalls. The slope is steep and fractured here, and a large chunk of dusty ice has tumbled down the slope and broken apart.