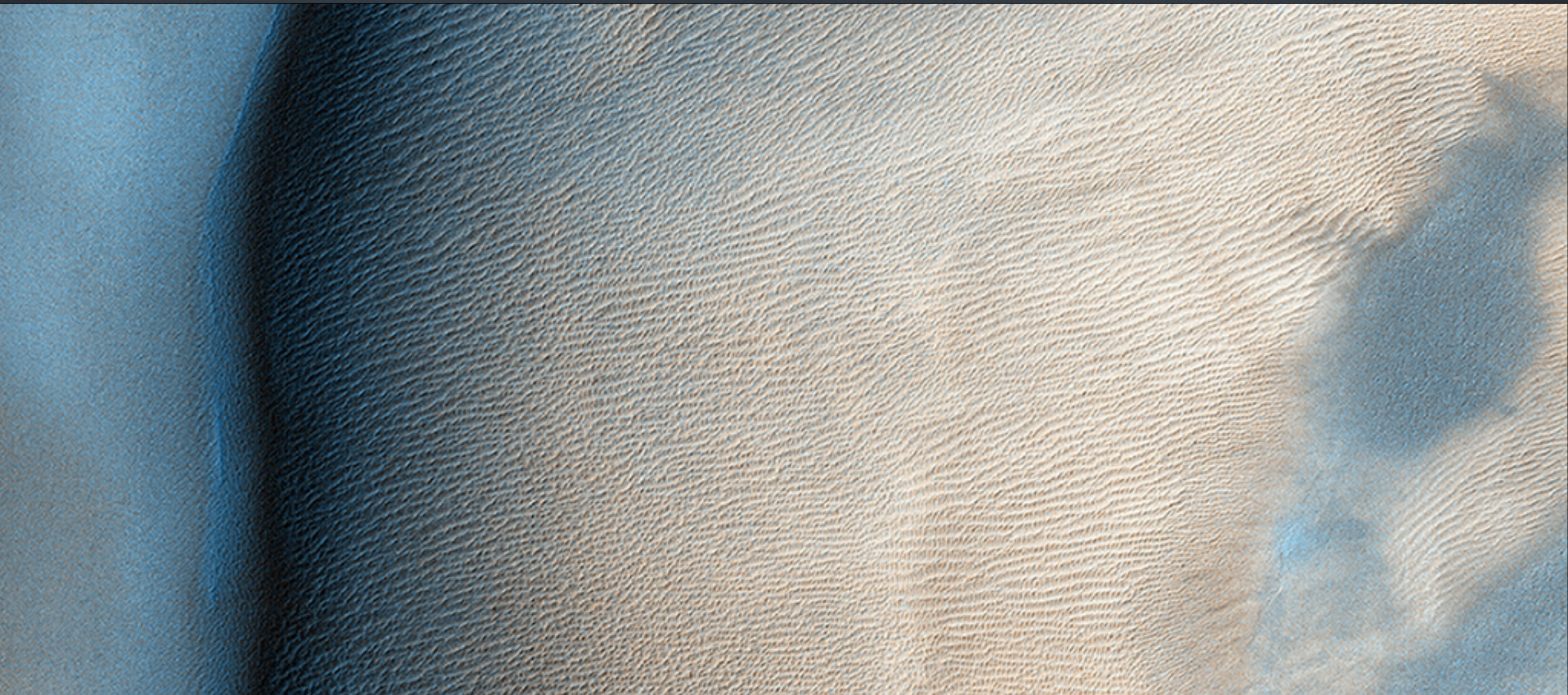


Gullies and Bedrock in Nirgal Vallis

The gullies in this image are within the valley wall of an ancient channel —Nirgal Vallis—a testament to flowing water in Mars’ ancient past. However, the formation of gullies are still the subject of much debate with respect to their formation: “wet” vs. “dry” or even “dry” with the aid of some lubricating fluid.



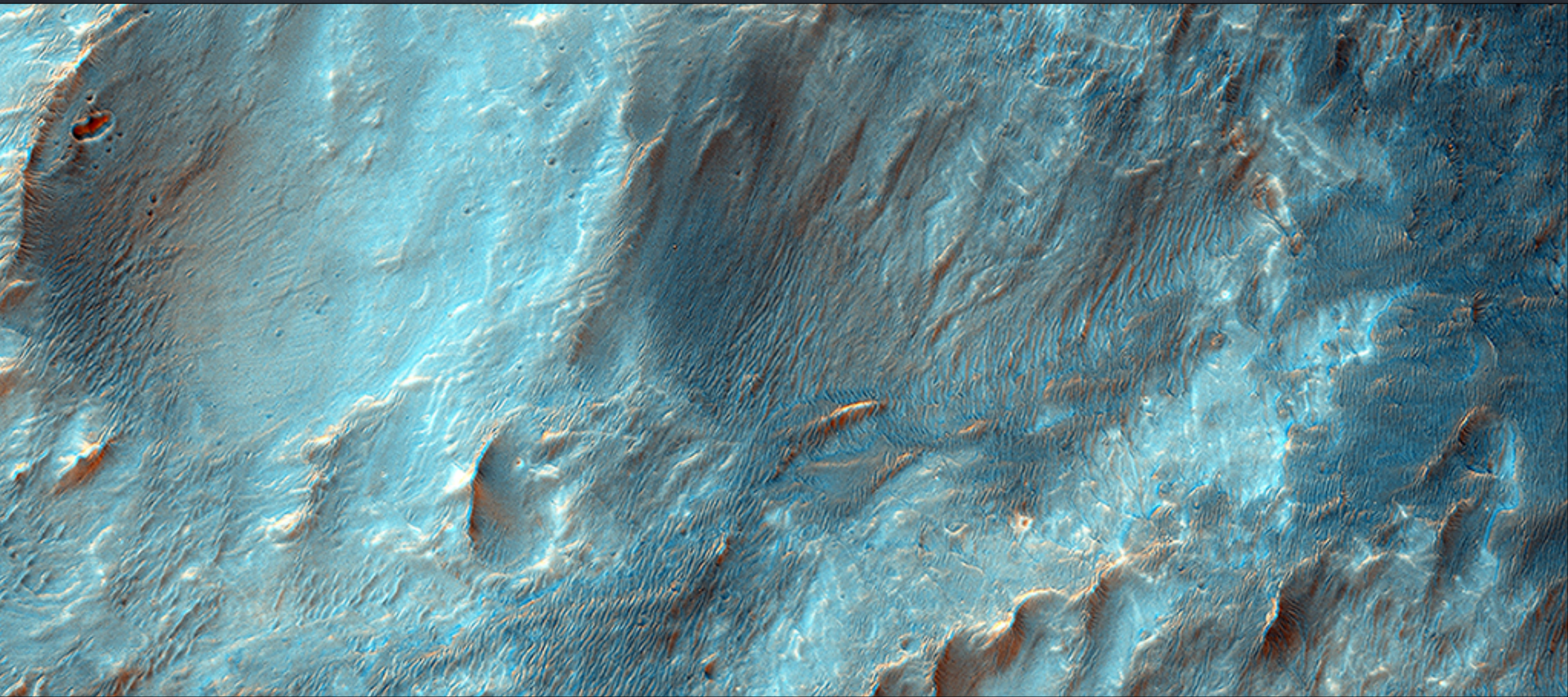
A Large, Longitudinal Dune

Longitudinal dunes form when the wind switches between two common directions. Based on the direction of this dune's long crest and the orientation of the smaller ripples, it appears the wind blows from the east and from the northwest.



Boulders in Gully Alcoves

Gullies are often found on steep slopes. In the winter, this area is covered with a layer of carbon dioxide ice (dry ice). In the spring, when the ice warms up and transitions to gas, it dislodges material on the slope, forming a gully.



Fan-Shaped Deposits in Bigbee Crater

The rim of Bigbee has been heavily modified from its original form, presumably by water and wind. Material eroded and removed from Bigbee's rim was transported and deposited to the crater interior.