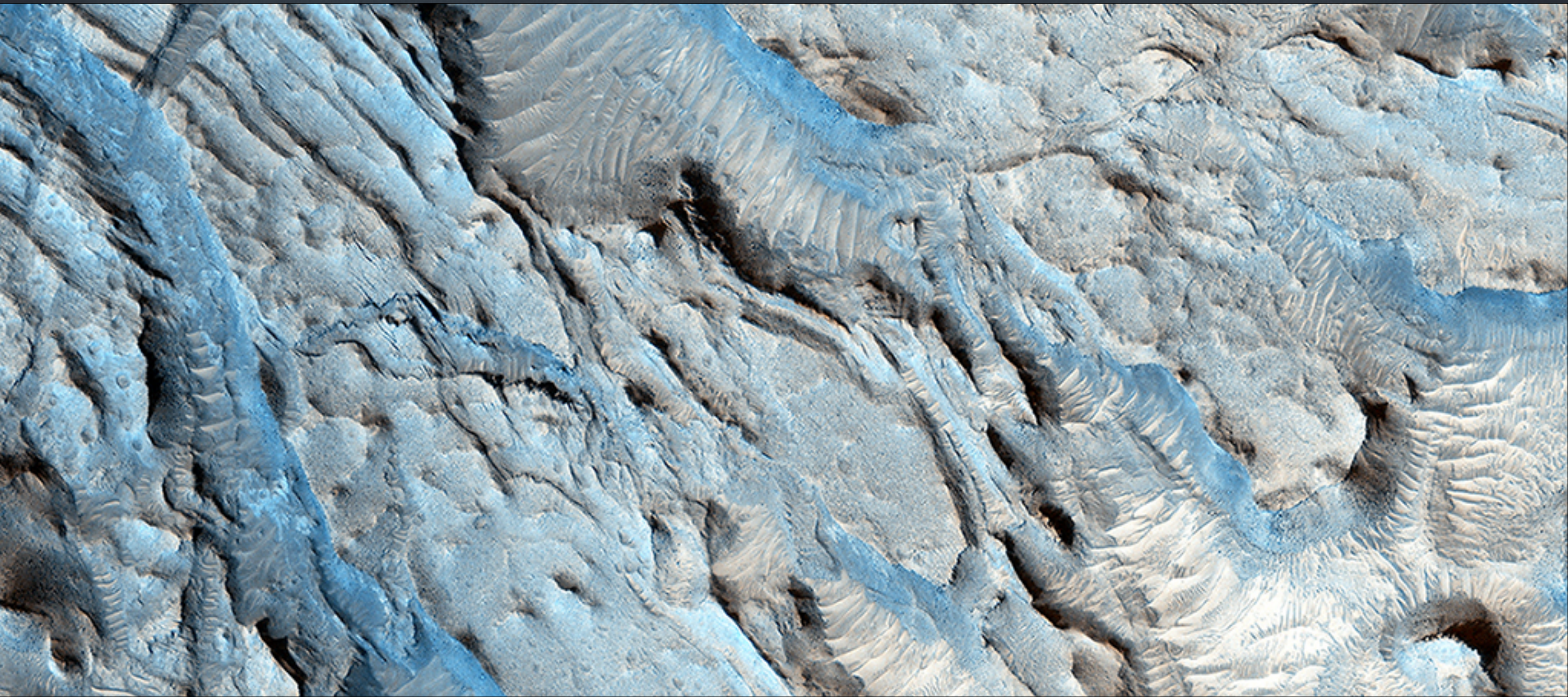




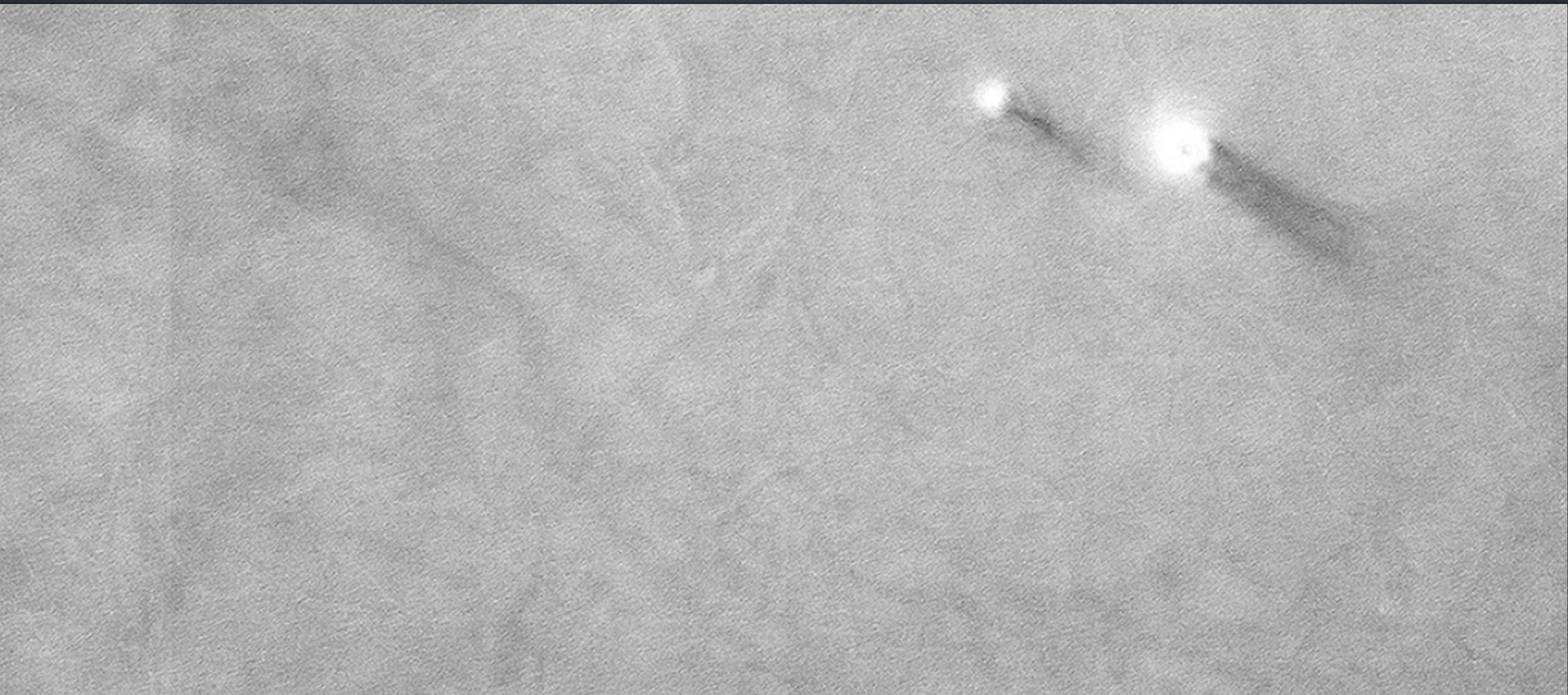
Meanders in Ridge Form in the Zephyria Region

In this image, an ancient sinuous meandering river system is surrounded by features called “yardangs.” The yardangs are the ridge-like landforms that align approximately north-south. These features were created as the wind scoured and eroded the bedrock. The raised relief of the meandering river suggests inverted topography, likely due to lithification and cementation of the riverbed sediment.



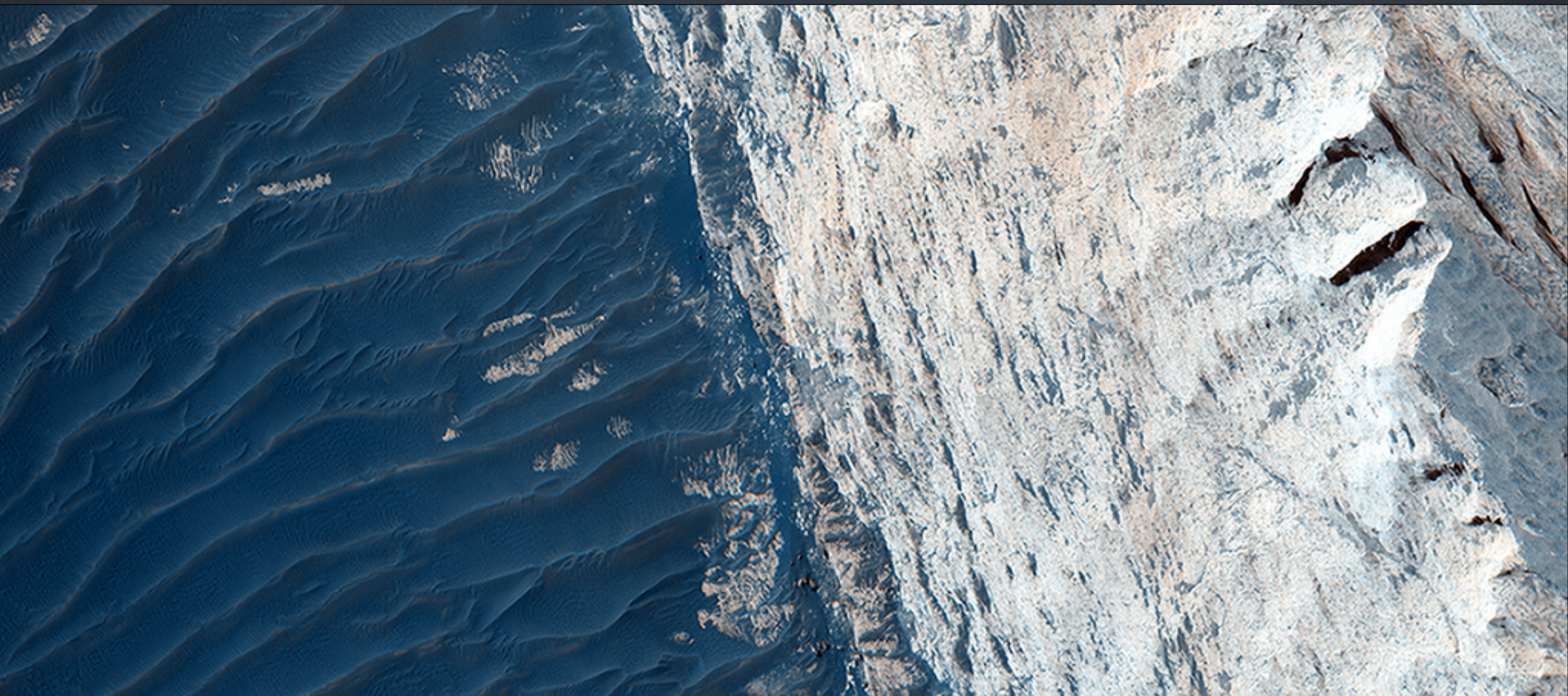
Small Channels and a Rocky Patch in the Cydonia Region

This channel system has wind-blown bed-forms in its interior, with crests oriented approximately perpendicular to the channel walls. The large rocky patch near the center shows some evidence of bedding as would be expected for a river delta or other water-lain sediments.



Marching Dust Devils

This image might answer some interesting questions about the behavior of dust devils. Dust devils are theoretically expected to migrate uphill on a sloping surface, or migrate downwind when there is a breeze. Where they are found close together in pairs, they are expected to rotate in opposite directions.



Layers and Fractures in Ophir Chasma

This image features a small part of its wall and floor. The wall rock shows many sedimentary layers and the floor is covered with wind-blown ridges, which are intermediate in size between sand ripples and sand dunes. Rocks protruding on the floor could be volcanic intrusions of once-molten magma that have pushed aside the surrounding sedimentary layers and “frozen” in place.