



Ridges in Meridiani Planum

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When terrain gets squeezed by geologic forces deep rocks sometimes break and get pushed upwards forming raised wrinkles on the surface. These wrinkle ridges are common on a lot of planets including Mars. One of these ridges exists south of this image but seems to have been buried here. With HiRISE, we might be able to figure out the sequence of events by comparing the topography of the ridge with the younger layer that buries it.

The HiRISE camera onboard the Mars Reconnaissance Orbiter is the most powerful one of its kind ever sent to another planet. Its high resolution allows us to see Mars like never before, and helps other missions choose a safe spot to land for future exploration. Thousands of images are available online at: uahirise.org.