



# In the Transition Zone

ESP\_025675\_2255

**HIRISE**

HIGH RESOLUTION IMAGING  
SCIENCE EXPERIMENT  
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OF ARIZONA

The image shows light toned viscous debris that overlays a darker toned surface. Both surfaces sport irregular fracture patterns and evidence that substantial erosion has since taken place. The upper viscous-flow surface also contains abundance small, regular polygonal patterns. Such patterns are commonplace in permafrost on Earth, and are typically considered strong evidence for shallow subsurface ice.

*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](http://uahirise.org).*