



Fault in Ius Chasma

ESP_025231_1720

This image in Ius Chasma, a portion of the massive canyon system Vallis Marineris, draws our attention because a fault previously imaged by the Mars Orbiter Camera. A valley cuts also cuts across the ridge. Is this the result of some tectonic process? A study in 2012 suggested that Mars possesses tectonic plates, but if so, how these processes work is still an area of study.