



# Sedimentary Deposits within Ius Chasma

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HIGH RESOLUTION IMAGING  
SCIENCE EXPERIMENT  
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Sedimentary deposits are common within Valles Marineris. Most of the larger chasmata contain kilometer-thick light-toned layered deposits composed of sulfates. However, some of the chasmata, like Ius Chasma shown in this HiRISE image, either lack these deposits or have much thinner deposits.