



Deposits along the Northern Wall of Melas Chasma

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It has been known since the 1970s when the Viking orbiters took pictures of Mars that there are large (i.e., several kilometers-thick) mounds of light-toned deposits within the central portion of Valles Marineris. More recent higher resolution images of Mars, including this image of Melas Chasma, show that the wall rocks of Valles Marineris also contain similar, albeit thinner, light-toned deposits.