



Light-Toned Layers in Tithonium Chasma

ESP_O41886_1755



HIGH RESOLUTION IMAGING
SCIENCE EXPERIMENT
UAHIRISE.ORG



THE UNIVERSITY
OF ARIZONA

Approximately 800 kilometers long, Tithonium Chasma is part of the massive Valles Marineris canyon system. The walls of canyons often contain bedrock exposing numerous layers. In some regions, light-toned layered deposits erode faster than the darker-toned ones. The layered deposits in the canyons are of great interest to scientists, as these exposures may shed light on past water activity on Mars.