

18.10.2019

Pierwsze Ogólnopolskie Seminarium Marsjańskie

Aeolian sediments in Meridiani Planum

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[POSTER]

The Opportunity rover, during its 15 years long mission, acquired thousands of images of Martian aeolian forms and material in Meridiani Planum. In this work, we present results of comparison of granular materials (sand and small gravels) deposited along the traverse of the Opportunity rover, from its start in the Eagle Crater to its end in the Endeavour Crater. The microscopic data from the MI instrument were analyzed using the PADM algorithm, a semi-automatic tool that enables studying the size and shape of grains in digital images.