

Tuesday, March 13, 2007
POSTER SESSION I: MARS GEOLOGY
6:30 p.m. Fitness Center

Chuang F. C. McEwen A. S. Gulick V. C.

Early HiRISE Observations of Slope Streaks and Avalanche Scars [#1783]

We present early HiRISE observations of martian slope streaks and avalanche scars, including detection of any changes or newly formed streaks since they were last imaged by MOC.

Jaret S. J. Cleve J. R.

Distribution of Dark Slope Streaks in and Around Schiaparelli Impact Basin, Mars [#1973]

Spatial distributions of slope streaks were mapped and combined with data from the Mars Odyssey Neutron Spectrometer. Based on our findings, we favor a streak genesis involving the movement of liquid or gaseous fluids rather than dry aeolian processes alone.

Lucas A. Mangeney A. Mège D.

A New Insight on the Dynamics of Martian Granular Flows in Valles Marineris [#1699]

Numerical modeling of martian granular flows using a pre-event DEM reconstruction from MOLA data is used to constrain the dynamics of large landslides in Valles Marineris.

Piatek J. L. Moersch J. E.

Thermophysical Analysis of Debris Aprons in Eastern Hellas Using THEMIS [#2281]

Thermal inertia and surface emissivity of debris aprons in the Reull Vallis region are examined using THEMIS IR images. Variations in these quantities should reflect variations in surface properties related to modes of emplacement and modification.

Hiesinger H. Lehmann H. Gehrke S. Scholten F. Neukum G.

A New Geologic Map of the Hale-Bond Region, Northern Argyre Basin [#1997]

We use data from the High Resolution Stereo Camera (HRSC) and other modern data to re-investigate and map in detail the Hale-Bond area, northern Argyre Basin, in order to newly assess the evidence for the putative spillover.

Ferguson R. L. Christensen P. R.

Cycles of Erosion and Deposition in Eastern Arabia Terra, Mars [#1979]

Arabia Terra contains features that display evidence for fluvial, volcanic, and aeolian processes that provide insight into the geologic history of this area and indicate that multiple periods of deposition and erosion have taken place.

Nussbaumer J.

Analysis of the Aeolis and Elysium Region, Mars, a Review [#1218]

Analysis of the Aeolis and Elysium region, including the Cerberus Plains and Athabasca Vallis, Mars, a literature review.

Nussbaumer J.

Analysis of the Elysium Region, Mars [#1217]

Analysis of the Elysium region and medusae fossae formation, Mars, a literature review.