

Tuesday, March 22, 2016

[T330]

POSTER SESSION I: MARS GEOMORPHOLOGY: ROVING ON MARS

6:00 p.m. Town Center Exhibit Area

- Arvidson R. E. Maimone M. *POSTER LOCATION #451*
[Curiosity Rover Mobility Issues Crossing Martian Megaripple Fields](#) [#1137]
 A Curiosity ripple-crossing experiment was conducted to understand mobility issues and their relationships to terrain and sand material properties.
- Erkeling G. Ivanov M. A. Tirsch D. Reiss D. Bishop J. L. et al. *POSTER LOCATION #452*
[Bradbury Crater, Mars: Morphology, Morphometry, Mineralogy, and Chronostratigraphy](#) [#1451]
 Bradbury crater located at south Isidis Planitia reveals a diverse and complex setting of fluvial and lacustrine landforms.
- Edgett K. S. Yingt R. A. Edgar L. A. Gasda P. J. Banham S. G. et al. *POSTER LOCATION #453*
[Recent Observations by Curiosity's Mars Hand Lens Imager \(MAHLI\) of Rock Strata and Eolian Sediment on the Lower North Slope of Aeolis Mons, Gale Crater, Mars](#) [#1382]
 Recent observations by MAHLI of Murray formation mudstones, Stimson formation sandstones, Stimson/Murray erosional unconformity, and Bagnold eolian dune sands.
- Gasnault O. Le Mouélic S. Newsom H. E. Johnson J. R. Le Deit L. et al. *POSTER LOCATION #454*
[Imaging at Long Distance with ChemCam Remote Micro-Imager Onboard MSL](#) [#2329]
 This abstract illustrates geomorphology studies that can be accomplished by the ChemCam RMI camera on Mars through a few examples of long distance mosaics.
- Heydari E. Calef F. III Parker T. Rowland S. K. Williams R. M. E. et al. *POSTER LOCATION #455*
[Unconformity Surfaces of the Kimberley Region and Their Significance on Sedimentological Evolution of Gale Crater, Mars](#) [#1795]
 A major unconformity is identified in Gale crater. It separates strata deposited during crater filling from those formed after crater excavation.
- Anderson R. B. Dundas C. M. Edgar L. A. Gasnault O. Le Mouélic S. et al. *POSTER LOCATION #456*
[Ongoing and Planned Long Distance Remote Micro Imager Observations of Targets on Aeolis Mons Identified from Orbit](#) [#1770]
 Watching Mt. Sharp with / Curiosity's spyglass / to see more clearly.
- Watkins J. A. Grotzinger J. Stein N. Banham S. G. Gupta S. et al. *POSTER LOCATION #457*
[Paleotopography of Erosional Unconformity, Base of Stimson Formation, Gale Crater, Mars](#) [#2939]
 We quantitatively reconstruct the paleotopography along a significant erosional unconformity in lower Mt. Sharp, Gale crater using rover and orbital data.
- Dickson J. L. Head J. W. Kulowski M. *POSTER LOCATION #458*
[Active Flows at the Mars Science Laboratory Landing Site: Results from a Survey of Mastcam Imagery Through Sol 971](#) [#1726]
 Low-albedo flows correlated with outcrop fractures are documented. This is an active process that suggests more dynamic slope processes than previously thought.
- Reynolds M. J. II Rice M. S. Johnson J. R. Bell J. F. III Studer-Ellis G. *POSTER LOCATION #459*
[MER Spirit Albedo Observations: Insights to Surface Processes and Atmospheric Phenomena at Gusev Crater, Mars](#) [#1804]
 Albedo measurements from MER Spirit provide insights to surface evolution at Gusev Crater, Mars, including a temporal analysis of a scene for over 250 sols.

Rice J. W. Chuang F. C. Berman D. C. Crown D. A.

POSTER LOCATION #460

[Morphologic and Topographic Analyses of Geologic Features in the Columbia Hills, Gusev Crater, Mars](#) [#2904]

Exploration of the Columbia Hills in Gusev crater by the Spirit rover between 2004 and 2010 revealed a diversity of geologic materials and processes.

House-Hay E. H. Lewis K. W.

POSTER LOCATION #461

[Bedding Orientation Along the Opportunity Rover Traverse](#) [#2571]

We analyze bedding geometry within the Burns Formation using stereo data from the Opportunity rover, focusing on outcrops outside of well-studied craters.

Herkenhoff K. E. Arvidson R. E. Mittlefehldt D. W. Sullivan R. J.

POSTER LOCATION #462

[Opportunity Microscopic Imager Results from the Western Rim of Endeavour Crater](#) [#1664]

The Mars Exploration Rover Opportunity continues to explore the textures of ancient rocks exposed in the rim of Endeavour crater using its Microscopic Imager.