

Tuesday, June 14, 2016

**MARS POTPOURRI II: SMALL- AND INTERMEDIATE-SCALE HIGHLAND,
HIGHLAND-LOWLAND TRANSITION, AND BASINS**

8:30 a.m. Building 3 Conference Room

Chair: David Williams

- 8:30 a.m. Weitz C. M. * Wilson S. A. Irwin R. P. III Grant J. A.
[*Geologic Mapping to Constrain the Sources and Timing of Fluvial Activity in Western Ladon Basin, Mars*](#) [#7025]
We are mapping two quadrangles in Margaritifer Terra (–15032 and –20032) to define the evolution of the western Ladon basin region as it relates to fluvial/alluvial events occurring on surrounding surfaces.
- 8:45 a.m. Wilson S. A. * Grant J. A.
[*Geologic Mapping in Southern Margaritifer Terra on Mars: Constraining the Timing of Fluvial Activity in Nirgal Vallis*](#) [#7034]
This study investigates the nature and volume of the deposit on the floor of Uzboi Vallis at the mouth of Nirgal Vallis using MOLA and HiRISE data.
- 9:00 a.m. Seelos K. D. * Seelos F. P. Buczkowski D. L. Viviano-Beck C. E.
[*Mapping Laterally Extensive Phyllosilicates in West Margaritifer Terra Mars*](#) [#7043]
Clay minerals found in stratigraphic sequences have been used to support the idea of widespread precipitation and pedogenic weathering during a warmer, wetter climate era on early Mars.
- 9:15 a.m. Mest S. C. * Crown D. A. Michalski J. Chuang F. C. Price Blount K. Bleamaster L. F.
[*Dissection of Volcanic and Sedimentary Plains Around Upper Dao and Niger Valles, Northeast Hellas, Mars*](#) [#7044]
The eastern rim of Hellas and the surrounding highlands have been modified by numerous processes that provide a record that spans most of the Martian time-scale.
- 9:30 a.m. Burr D. M. * Jacobsen R. E. Lefort A. Borden R. M. Boyd A. S.
[*Continuing to Characterize the History of a Diverse Inverted Landscape: Mapping of the Aeolis Dorsa Region, Mars*](#) [#7013]
Continued mapping of the Aeolis Dorsa region, Mars, is revealing a myriad of geological paleoprocesses, including fluvial, aeolian, and tectonic. Mapping of the inverted fluvial landforms is complete; upcoming work will focus on aeolian and tectonic.
- 9:45 a.m. Anderson R. C. Parker T. J. * Schroeder J. F.
[*Conversion of Seven Completed Maps into ArcGIS for Publication*](#) [#7036]
We plan to convert seven 1:500K maps of East Acidalia and Argyre Planitia as two 1:1M scale maps of these regions, begun in the early and mid 90s, in two years. We will start with East Acidalia the first year and conclude with Argyre during year two.
- 10:00 a.m. Hargitai H. I. * Gulick V. C. Glines N.
[*A Global Survey of the Fluvial Islands of Mars*](#) [#7011]
We map streamlined landforms on Mars globally.
- 10:15 a.m. BREAK / POSTERS