

Monday, June 13, 2016

**MARS POTPOURRI I: SMALL- AND INTERMEDIATE-SCALE MAPPING OF
VOLCANIC PROVINCES AND THEIR PERIPHERY**

1:30 p.m. Building 3 Conference Room

Chair: David Williams

- 1:30 p.m. Crown D. A. * Berman D. C. Chuang F. C. Platz T.
[*Geologic Mapping of Volcanic Regions on Mars: Investigations of Southern Tharsis Lava Flow Fields and the Alba Mons Summit*](#) [#7031]
This research examines styles of volcanism and the geologic histories in two parts of the Tharsis volcanic province on Mars, southern Tharsis lava flow fields and the summit region of Alba Mons.
- 1:45 p.m. Garry W. B. * Williams D. A. Bleacher J. E.
[*Geologic Mapping of Arsia and Pavonis Montes, Mars*](#) [#7028]
We will update the progress on mapping the geology of Arsia and Pavonis Montes on Mars.
- 2:00 p.m. Mohr K. J. * Williams D. A. Bleacher J. E. Garry W. B.
[*Geologic Mapping of Ascraeus Mons, Mars*](#) [#7015]
Preliminary geologic mapping of Ascraeus Mons shows diverse lava flow morphologies on the flanks, rift aprons, and plains of the volcano.
- 2:15 p.m. Mouginiis-Mark P. J. * Hamilton C. W.
[*1:175K Mapping of Hrad Vallis, Mars*](#) [#7005]
Our high resolution mapping of Hrad Vallis implies a complex history for the region, alternating between episodes of aqueous flooding and volcanic eruptions.
- 2:30 p.m. Weitz C. M. * Berman D. Rodriguez A. Bishop J. L.
[*Geologic Mapping and Studies of Diverse Deposits at Noctis Labyrinthus, Mars*](#) [#7029]
We are mapping the western portion of Noctis Labyrinthus (-6 to -14°N, -99.5 to -95.0°W), which includes some of the most diverse mineralogies identified on Mars using CRISM data.
- 2:45 p.m. Berman D. C. * Palmero Rodriguez J. A. Weitz C. M. Crown D. A.
[*Geologic Mapping in Xanthe Terra, Mars*](#) [#7032]
We present the current version of our geologic map of MTM quadrangles 00042 and 00047.
- 3:00 p.m. Fortezzo C. M. * Gullickson A. L. Rodriguez J. A. P. Platz T. Kumar P. S.
[*Year 3 Geologic Mapping in Central Valles Marineris, Mars*](#) [#7038]
In year 3 we mapped the west side of central Valles Marineris, Mars. We split landslide orientations into typical terrestrial categories including flows, slides, spreads, and falls. We continued work on the ILD using bedding orientations and CRISM.
- 3:15 p.m. Chojnacki M. * Hynek B. M. Black S. R. Hoover R. Martin J. R.
[*Geology Mapping of the Coprates Chasma \(MEM -15057\), Mars: Year 2*](#) [#7042]
The primary objective of this effort is to produce a geologic map of the Coprates chasma quadrangle (MTM-15057) at the 1:500,000-scale to be submitted for peer-review and publication by the USGS.
- 3:30 p.m. Anderson R. C. * Dohm J. M. Robbins S. Schroeder J.
[*Completion and Submission of the Terra Sirenum Map Project*](#) [#7014]
We have completed and plan to submit a detailed 1:5,000,000-scale geologic map of the Terra Sirenum region, which includes mapping stratigraphic units and identifying tectonic, erosional, depositional, and impact structures.
- 3:45 p.m. BREAK / POSTERS