Monday, June 12, 2017
POSTERS FOR THE PLANETARY GEOLOGIC MAPPERS ANNUAL MEETING
5:30–7:30 p.m.   Pre-Function Hall

Kinczyk M. J.   Byrne P. K.   Prockter L. M.   Denevi B. W.   Ostrach L. R.   Skinner J. A.
Buczkowski D. L.   Hynek B. M.
Creating a Global Geological Map of Mercury with MESSENGER Datasets [#7116]
Review of mapping efforts to make a USGS global geological map of Mercury with possible subdivision of the intercrater plains using a newly calibrated enhanced color mosaic.

Ostrach L. R.   Mest S. C.   Prockter L. M.   Petro N. E.   Byrne P. K.
Geologic Map of the Borealis Quadrangle (H-1) on Mercury: 2017 Status Report [#7108]
We report on the first year of mapping progress for the Borealis Quadrangle (H-1) map of Mercury.

Unlocking Mercury’s Geological History with Detailed Mapping of Rembrandt Basin: Year 3 [#7098]
Current results of the USGS Rembrandt basin, Mercury, geologic map are presented.

Refining the Mahuena Tholus (V-49) Quadrangle, Venus [#7118]
We present our continued mapping of V-49. Our mapping this past year has emphasized the Diana-Dali as it extends into the map area as well as characterizing small volcanic edifices.

Mohr K. J. *   Williams D. A.   Garry W. B.   Bleacher J. E.
Geologic Mapping of Ascraeus Mons, Mars [#7029]
Mapping of the geomorphology of lava flows on and surrounding Ascraeus Mons has proven to show the history and evolution of the large shield volcano.

Borden R. M.   Burr D. M.
Mapping and Preliminary Analysis of Wrinkle Ridges in the Aeolis Dorsa Region, Mars [#7056]
We present a map of wrinkle ridges in Aeolis Dorsa, Mars; along with results from preliminary analyses of the ridges to infer locations, directions, and amounts of shortening.

Geologic Mapping of Volcanic and Sedimentary Terrains, Northeast Hellas, Mars [#7106]
We are using image, topographic, and spectral data to map the geology along the northeast rim of Hellas basin, Mars. The region displays mantled highlands, explosive and effusive volcanic materials, eroded sedimentary plains, and Dao and Niger Valles.

The 1:1,000,000-Scale Geology of Western Libya Montes and Northwestern Tyrrhena Terra [#7112]
We describe our mapping of the geology of western Libya Montes and northwestern Tyrrhena Terra and correlate our interpretations with previous mapping efforts at smaller scales (larger areas).

Campbell J. D.   Sidiropoulos P.   Muller J-P.
Compositional Characterisation of the Martian South Polar Residual Cap Using CRISM [#7057]
Using hyperspectral data from the CRISM instrument, we map compositional changes in the Martian South Polar Residual Cap in order to attempt to detect organic material in exposed dust particles.
Here we present an update on our 1:500,000-scale geologic map of Coprates Chasma in the eastern Valles Marineris to eventually be submitted to the USGS for publication.

This is a summary of geologic mapping of central Valles Marineris up to year 4.

We are using image, topographic, and color data derived from Framing Camera images, obtained during the High Altitude Mapping Orbit phase of the Dawn mission to generate a global geologic map of Ceres. This map is used to define the cerean timescale.

We present the results of testing photometric modeling software that will be used to support basemap generation of asteroid 101955 Bennu for the OSIRIS-REx asteroid sample return mission.

This presentation is an update on the geological mapping campaign for Ceres as part of NASA's Dawn mission.

We are in the initial stages of constructing a global geologic map of Vesta at 1:300,000-scale for mapping and digital publication. It incorporates the full range of available, calibrated data including Dawn mission elemental and mineralogical data.