Tuesday, March 21, 2017

POSTER SESSION I:  PLANETARY SPATIAL DATA INFRASTRUCTURE II:
GEOLOGIC MAPS AND PLANETARY MAPPING
6:00 p.m.  Town Center Exhibit Area


POSTER LOCATION #634

The Global Geologic Map of Ceres Based on Dawn HAMO Observations [#2512]
We present results from the global HAMO-based geologic mapping effort of Ceres based on the Dawn Framing Camera (FC) mosaic and images, DTM, and color mosaics.


POSTER LOCATION #635

Geological Mapping of the Ac-10 Rongo Quadrangle of Ceres [#2551]
This study presents the mapping strategy and geological history of the Rongo quadrangle of Ceres.


POSTER LOCATION #636

High-Resolution Geological Mapping of Dwarf Planet Ceres from NASA’s Dawn Mission [#1451]
This presentation discusses the results from the highest-resolution geological mapping of dwarf planet Ceres using data obtained by NASA’s Dawn spacecraft.


POSTER LOCATION #637

Geologic Mapping of the Urvara and Yalode Quadrangles of Ceres [#1496]
We used Dawn spacecraft data to produce geologic maps of the Urvara (21°–66°S, 180°–270°E) and Yalode (21°–66°S, 270°–360°E) Quadrangles of dwarf planet Ceres.

Rothery D. A. Wright J. Balme M. R. Conway S. J.

POSTER LOCATION #638

Geological Mapping of the Hokusai (H05) Quadrangle of Mercury [#1406]
An update on quadrangle mapping. We discuss the number of crater classes and whether smooth plains and intercrater plains are the only mappable plains units.


POSTER LOCATION #639

High-Resolution Topography from MESSENGER Orbital Stereo Imaging — The H5 Quadrangle “Hokusai” [#2287]
We generated a high-resolution digital terrain model (DTM) of Mercury’s H5 quadrangle “Hokusai.”


POSTER LOCATION #640

High-Resolution Topography from MESSENGER Orbital Stereo Imaging — The H3 Quadrangle “Shakespeare” [#1441]
We generated a high-resolution digital terrain model (DTM) of Mercury’s H3 quadrangle “Shakespeare.”


POSTER LOCATION #641

High-Resolution Topography from MESSENGER Orbital Stereo Imaging — The H7 Quadrangle “Beethoven” [#1442]
We generated a high-resolution digital terrain model (DTM) of Mercury’s H7 quadrangle ”Beethoven.”

Malliband C. C. Rothery D. A. Balme M. R. Conway S. J.

POSTER LOCATION #642

Preliminary Results of 1:3 Million Geological Mapping of the Mercury Quadrangle H-10 (Derain) [#1476]
Mercury needs maps / In same big scale as others / Find intriguing things.


POSTER LOCATION #643

Preliminary 8-Color Map of the Shakespeare Quadrangle on Mercury [#1943]
Here we show two preliminary maps of Shakespeare quadrangle, which cover ~5% of its surface. The results for the whole quadrangle will be presented and discussed.
**POSTER LOCATION #644**

**Varatharajan I. Sruthi U.**

*Geological Mapping of a Simple Crater: Case Study of Lichtenberg B* [#1438]

Detailed morphological and mineralogical mapping and study of very fresh craters on Moon.

**Schmidt E. F. Spudis P. D.**

*Geological Map of the Humboldtianum Basin and Its Deposits* [#1035]

With new image and chemical and mineral concentration data available, a new geological map of the Humboldtianum Basin was created.

**Chen J. P. Yao M. J. Wang X.**

*Structure Outline Map of the Moon - Sinus Iridum Quadrangle (LQ-4)* [#1166]

Using the Chang’e and other data to compile the lunar structure outline map of Sinus Iridum Quadrangle(LQ-4).

**Liu J. Z. Ji J. Z. Zhang L. Head J. W. Guo D. J. et al.**

*New Geologic Map of the LQ-19 (Mare Nubium) Quadrangle on the Moon* [#1447]

The LQ-19 Mare Nubium quadrangle is a pilot lunar geologic map, taking full advantage of new data and research results.

**Fortezzo C. M. Spudis P. D. Harrel S. L.**

*Digital Global Geologic Map of the Moon at 1:5,000,000-Scale: Global Unit Concatenation, Boundary Reconciliation, and Linear Feature Mapping* [#1242]

Using published maps, we are making a globally consistent 1:5,000,000-scale geologic map of the Moon and a global correlation and description of map units.

**Yingst R. A. Chuang F. C. Berman D. C. Mest S. C.**

*Geologic Mapping of the Planck Quadrangle of the Moon (LQ-29)* [#1680]

As part of a new systematic lunar geologic mapping effort, we present a 1:2,500,000-scale geologic map of the lunar Planck Quadrangle (lunar quadrangle 29).

**Nass A. Dawn Mapping Team**

*One GIS-Based Data Structure for Geological Mapping Using 15 Map Sheets — DAWN at Ceres* [#1892]

The (GIS-base) mapping template directly links the generically descriptive attributes of planetary objects to the standardized symbology in one data structure.