

Thursday, March 13, 2008
POSTER SESSION II: MARS DATA AND MISSIONS
6:30 p.m. Fitness Center

Stein T. C. Arvidson R. E. Ward J. G. Berwick M. E.

Mars Exploration Rovers Analyst's Notebook: Integrating Data and Documentation for Mission Playback [#1154]

The MER Analyst's Notebook provides access to the MER mission data archives by integrating sequence information, engineering and science data, and documentation into web-accessible pages to facilitate mission "replay."

Bennett K. J. Scholes D. Arvidson R. E. Slavney S. Guinness E. A. Stein T. C.

Accessing Mars Data Using PDS Geosciences Node's Orbital Data Explorer [#1379]

An overview of NASA's Planetary Data System's Geosciences Node's Orbital Data Explorer which provides web-based search, retrieve, and order functions to aid in the access and use of Mars Reconnaissance Orbiter and other selected Mars mission data.

Salamunićcar G. Lončarić S.

Merge of Five Previous Catalogues Into the Ground Truth Catalogue and Registration Based on MOLA Data with THEMIS-DIR, MDIM and MOC Data-Sets [#1372]

The catalogue from our previous work was merged with the data of Barlow, Rodionova, Boyce, and Kuzmin. The resulting ground truth catalogue with 57,633 craters was registered, using MOLA data, with THEMIS-DIR, MDIM, and MOC data-sets.

Knapmeyer M. Wählisch M. Scholten F. Oberst J.

A Global 3-D Anaglyphic View of Mars Derived from Mars Laser Altimeter Data [#1666]

We show synthetic 3-D anaglyphic views of the planet Mars useful for science and education. We derived the images using height information from the Mars Orbiter Laser Altimeter (MOLA) instrument.

Tanaka K. L. Dohm J. M. Irwin R. P. III Kolb E. J. Skinner J. A. Jr. Miyamoto H.

Rodriguez J. A. P. Hare T. M.

Post-Viking Orbiter Global Geologic Mapping of Mars: Initial Steps [#2130]

We describe our approaches and initial steps toward completion of a new global geologic map of Mars at 1:20,000,000 scale. We will be inviting community input.

Slavney S. Guinness E. A. Stein T. C.

The PDS Geosciences Node Archives of Terrestrial Planetary Data [#1775]

The Geosciences Node of NASA's Planetary Data System (PDS) is working with several NASA missions to Mars, Mercury, and the Earth's Moon to ensure that quality science data archives are produced and made available to the user community.

Levine J. S. Garvin J. B. Anbar A. D. Beaty D. W. Bell M. S. Clancy R. T. Cockell C. S.

Connerney J. E. Doran P. T. Delory G. T. Dickson J. T. Elphic R. C. Eppler D. B. Fernández-

Remolar D. C. Head J. W. III Helper M. Gruener J. E. Heldmann J. L. Hipkin V. Lane M. D. Levy J. S.

Moersch J. E. Ori G. G. Peach L. Poulet F. Rice J. W. Snook K. Squyres S. W. Zimelman J. R.

Scientific Goals and Objectives for the Human Exploration of Mars, I. Biology and Atmosphere/Climate [#1338]

The Human Exploration of Mars Science Analysis Group (HEM-SAG) was chartered to develop the scientific goals and objectives for the human exploration of Mars based on the MEPAG scientific goals, objectives, investigations, and priorities.

Garvin J. B. Levine J. S. Anbar A. D. Beaty D. W. Bell M. S. Clancy R. T. Cockell C. S.
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Moersch J. E. Ori G. G. Peach L. Poulet F. Rice J. W. Snook K. Squyres S. W. Zimbelman J. R.
Scientific Goals and Objectives for the Human Exploration of Mars, 2. Geology and Geophysics [#1343]

The Human Exploration of Mars Science Analysis Group (HEM-SAG) was chartered to develop the scientific goals and objectives for the human exploration of Mars based on the Mars scientific goals, objectives, investigations, and priorities.

Mistry A. H. Jr. Vasadia S. J. Jr.

Mining Technology on Phobos and Deimos [#1333]

Mining of Mars and Moon resources plays an important role in future mining missions and utilizations of resources of Mars and on other planets.