Tuesday, March 18, 2003
POSTER SESSION I
7:00 p.m.   Fitness Center

Maps 'n Bits: Cartography, Data Access, and Archiving

Rosiek M. R.   Howington-Kraus E.   Hare T. M.   Redding B. L.
Mars Transverse Mercator (MTM) Map Series Updated with Planetocentric Grid **[#1371]**
The Mars Transverse Mercator (MTM) map series has been updated to use planetocentric coordinates with positive east longitude as the primary grid with a secondary grid showing the planetographic coordinates with positive west longitude.

Archinal B. A.   Kirk R. L.   Duxbury T. C.   Lee E. M.   Sucharski R.   Cook D.
Mars Digital Image Model 2.1 Control Network **[#1485]**
We describe the creation of the Mars global control network to be used for the Mars Digital Image Model (MDIM) 2.1 mosaic. This network is much improved over past such networks, and should provide global horizontal accuracy at the ~200 m level.

Neumann G. A.   Lemoine F. G.   Smith D. E.   Zuber M. T.
The Mars Orbiter Laser Altimeter Archive: Final Precision Experiment Data Record Release and Status of Radiometry **[#1978]**
A final release (Version L) of the MOLA PEDR's has been submitted to the PDS. Additional gridded products are forthcoming, at resolutions of up to 512 pixels per degree in polar regions. Radiometry data is also being archived.

Delacourt C.   Baratoux D.   Gros N.   Allemand P.
Online Mars DEM Derived from MOLA Profiles **[#1346]**
This paper presents an application server allowing to compute online DEM from the MOLA data. The parameters can define location and resolution of the needed DEM and dowload topographic maps, quality map for the interpolation and individual MOLA measurements over the area of interest.

Gulick V. C.   Deardorff D. G.
Mars Data Visualization and E/PO with Marsoweb **[#2081]**
Marsoweb is a collaborative web environment that has been developed for the Mars research community to better visualize and analyze Mars orbiter data. Its goal is to enable online data discovery by providing an intuitive, interactive interface to Mars data.

Okamoto K.   Suzuki Y.
Marsv for Plan 9 **[#1483]**
A new Mars image and MOLA data processing system was developed for GUI based Plan 9 system. We can overlay the Mars MOLA grid data onto Viking ISIS processed cube image, and make contour map and read altitude at any point pointed by mouse.

Hare T. M.   Tanaka K. L.
PIGWAD: Continuing to Offer GIS Services to the Planetary Community **[#1974]**
Planetary Interactive GIS on the Web Analyzable Database, or PIGWAD, continues to grow with the GIS Internet technologies and will be an exciting and fundamental tool for planetary researchers to use as the functionality continues to increase.

Plesko C.   Brumby S.   Asphaug E.
Automated Development of Feature Extraction Tools for Planetary Science Image Datasets **[#1758]**
We explore development of feature extraction algorithms for Mars Orbiter Camera narrow angle data using GENIE machine learning software. The algorithms are successful at detecting craters within the images, and generalize well to a new image.

Hughes J. S.　Lavoie S.　Wilf J.　Joyner R.　Crichton D.
　　PDS-D – The Planetary Data System Distribution Subsystem **[#1496]**
　　The Planetary Data System (PDS) Distribution Subsystem (PDS-D) provides on-demand, web-based search,
　　retrieval, and distribution of science data products from a loosely coupled collection of distributed
　　heterogeneous data repositories that comprise the PDS archive.

Eichhorn G.　Accomazzi A.　Grant C. S.　Kurt M. J.　Henneken E. A.　Murray S. S.
　　Expanded Citations Database in the NASA ADS Abstract Service **[#1949]**
　　The ADS provides free world-wide on-line access to over 3.2 million abstracts and over 2.1 million scanned
　　pages of the astronomical and planetary literature plus over 7.7 million links to other relevant on-line
　　information at http://ads.harvard.edu.