

Tuesday, March 13, 2007
POSTER SESSION I: MARS OUTFLOW CHANNELS
6:30 p.m. Fitness Center

Kennedy M. R. Christensen P. R.

Streamlined Islands in Chryse Planitia, Mars: Clues to Catastrophic Floods and a Possible Ocean [#2349]

Sixteen streamlined, or “teardrop,” islands in the Chryse Planitia region were measured and analyzed using MOLA and THEMIS data to gain information about the floods that formed them and the possible ocean that may have once inhabited this area.

Pacifici A. Ori G. G. Komatsu G. Pondrelli M.

The Evolution of Ares Vallis [#1882]

Ares Vallis is one of the greatest outflow channels of Mars, and it has been well investigated in past decades. New high resolution images from the HRSC on board on Mars Express along with data from Mars Global Surveyor and 2001 Odyssey allow more detailed investigations of Ares Vallis.

Neather A. Wilson L.

Morphological Investigation of Mangala Valles, Mars [#1265]

Morphological features of Mangala Valles are analyzed to look for systematic spatial variations and to infer peak water discharge rates and hydrologic history.

Schon S. C. Head J. W.

Super-Permeability Zones and the Formation of Outflow Channels on Mars [#2135]

The possibility of super-permeability zones in the Mars hydrologic system contributing to the high flux of outflow events is considered with a review of similar features found in terrestrial hydrocarbon reservoirs.

Harrison K. P.

Ponding in Central Valles Marineris Due to Late-Stage Martian Outflow Channel Activity [#1806]

Possible shoreline features in central Valles Marineris are consistently close to the maximum regional ponding elevation and, with other evidence, indicate the past presence of a lake which overflowed eastward into channels and chaotic terrain.