Tuesday, August 29, 2000
MARS: ROCKS, FLUIDS, AND VOLATILES
8:30 a.m. Ballroom of the Americas East

Chairs: Foley C. N.
Treiman A. H.

Herd C. D. K. * Papike J. J.
Oxygen Fugacity of the Martian Basalts from Analysis of Iron-Titanium Oxides: Implications for Mantle-Crust Interaction on Mars

McSween H. Y. Jr.* Lentz R. C. F. Grove T. L. Dann J. C.
Magmatic Water in Shergotty, Inferred from Light-Lithophile-Element Patterns and Crystallization Experiments

Stephan T. * Jessberger E. K.
Polycyclic Aromatic Hydrocarbons in Allan Hills 84001: A Result of Terrestrial Contamination?

Biogenic Martian Magnetite Crystals? A Comparison of Prismatic Magnetite Crystals in the Allan Hills 84001 Carbonate Globules with Those from Magnetotactic Bacteria Strain MV-1

Treiman A. H. * Keller L. P.
Magnetite-bearing Layers in Allan Hills 84001 Carbonate Globules: Bulk and Mineral Compositions

Very Low Oxygen-Isotopic Ratios in Allan Hills 84001 Carbonates: A Possible Meteoric Component?

Carbonates in the Los Angeles 001 Meteorite

Vicenzi E. P. * Heaney P. J.
Multiple Martian Fluids: The Alteration Sequence in the Lafayette SNC Meteorite

Boctor N. Z. * Alexander C. M. O’D. Wang J. Hauri E.
Hydrogen-Isotopic Investigations of Minerals and Glasses in the Martian Meteorite Chassigny

Saxton J. M. * Lyon I. C. Turner G.
Ion Probe Studies of Deuterium/Hydrogen in the Nakhli Meteorites

Wyatt M. B. * Bandfield J. L. McSween H. Y. Jr. Christensen P. R.
Martian Surface Compositions from Mars Global Surveyor Thermal Emission Spectrometer Data: Mars Pathfinder Landing Site and Surrounding Regions

Foley C. N. * Economou T. E. Dietrich W. Clayton R. N.
Chemical Composition of Martian Soil and Rocks: Comparison of the Results from the Alpha, Proton, and X-Ray Modes of the Mars Pathfinder Alpha-Proton X-Ray Spectrometer

Marti K. * Mathew K. J.
Meteoritic and Solar Isotopic Signatures in Volatiles on Early Mars

Pepin R. O. *
Xenon in the Primordial Martian Atmosphere