

Tuesday, March 12, 2002
ODYSSEY "MARS — WE'RE BACK!"
1:30 p.m. Salon B

Chairs: R. S. Saunders
J. J. Plaut

Meyer M. A.* [INVITED, 15 minutes]
Odyssey Science: — Overall Role Within the Mars Program

Saunders R. S.* Plaut J. J. Meyer M. A. [INVITED, 15 minutes]
Overview of Odyssey Science — Early Results and Plans

Christensen P. R.* Jakosky B. M. Kieffer H. H. Malin M. McSween H. Y. Jr. Nealson K. Mehall G. Silverman S. Gorelick N. [INVITED, 15 minutes]
Initial Results from the 2001 Mars Odyssey Thermal Emission Imaging System (THEMIS) Investigation

Boynton W. V.* Feldman W. C. Mitrofanov I. Trombka J. I. Arnold J. R. Englert P. A. J. Metzger A. E. R. Reedy C. Squyres S. W. d'Uston C. Wänke H. Brückner J. Drake D. M. Evans L. G. Starr R. Shinohara C. Anderson F. S. [INVITED, 15 minutes]
Expected Performance and Initial Results from the 2001 Mars Odyssey Gamma Ray Spectrometer (GRS) Instrument Suite

Cleghorn T. F.* Lee K. Zeitlin C. J. Cucinotta F. A. Badhwar G. [INVITED, 15 minutes]
Initial Results from the 2001 Mars Odyssey Martian Radiation Environment Experiment (MARIE)

Mitrofanov I.* Anfimov D. Aust S. Erasov A. Handarin S. Kondabarov A. Kozyrev A. Letunovskii V. Litvak M. Mokrousov M. Sanin A. Tonchev A. Tret'yakov V. Krylov A. Pikil'ner L. Popov Yu. Shvetsov V. Gorn L. Il'in B. Verevkin T. Bobrovnikskii Yu. Tomilina T. San'ko N. Boynton W. Hamara D. Kloss C. Saunders R. S. [INVITED, 15 minutes]
Russian High Energy Neutron Detector (HEND), As Part of the GRS Facility of "2001 Mars Odyssey" Mission

Feldman W. C.* Tokar R. L. Prettyman T. H. Boynton W. V. Moore K. R. Gasnault O. Lawson S. L. Lawrence D. J. Elphic R. C. [INVITED, 15 minutes]
Initial Results of the Mars Odyssey Neutron Spectrometer at Mars [#1718]
Initial results of the Mars Odyssey Neutron Spectrometer are presented. Although preliminary, the results are consistent with a hydrogen rich terrane poleward of 60 degrees latitude along the satellite trajectory during this pass.

Arvidson R.* [INVITED, 15 minutes]
Odyssey Data — Description and Plans for Distribution

Klug S. L.* Christensen P. R. [INVITED, 15 minutes]
Opportunities for Involvement in Odyssey — Scientists, Educators, Kids

Bandfield J. L.* Smith M. D. Christensen P. R. [INVITED, 15 minutes]
THEMIS Surface-Atmosphere Separation Strategy and Preliminary Results [#1081]
Methods refined and adapted from the TES investigation are used to develop a surface-atmosphere separation strategy for THEMIS image analysis and atmospheric temperature and opacity retrievals.

Zurek R. W.* Esposito P. Martin T. Z. Keating G. Tolson R. Dwyer A. Bouger S. Murphy J. Justus C. G. Christensen P. R. Bender K. Smith M. [INVITED, 15 minutes]
Structure of the Martian Winter Polar Vortex: The View from Odyssey Aerobraking

Litvak M.* Anfimov D. Kozyrev A. Mitrofanov I. Sanin A. Boynton W. Hamara D.

Saunders R. S. [INVITED, 15 minutes]

3-D Model of Neutron Cloud Around Mars from the HEND Measurements During the Aerobraking Stage of Odyssey Flight

Tokar R. L.* Feldman W. C. Prettyman T. P. Moore K. R. Boynton W. V. Gasnault O. Lawson S. L. Lawerence D. J. Elphic R. C. [INVITED, 15 minutes]

Comparison of Measured Thermal/Epithermal Neutron Flux and Simulation Predictions for the Odyssey Neutron Spectrometer in Orbit About Mars [#1803]

This study compares initial data from the Mars Odyssey neutron spectrometer at Mars with simulation predictions for assumed surface compositions. Latest results for Odyssey in the mapping configuration will be presented.