

Wednesday, November 7, 2007  
**POSTER SESSION III: SOILD-SURFACE BODIES:  
COMPOSITION/CHEMISTRY/AERONOMY/EVOLUTION**  
10:30 a.m.

- 3.01 Ajello J. M. Mangina R. S. Malone C. P. Johnson P. V. Stevens M. Esposito L. Abgrall H. Roueff E.  
*UV Emission Processes in Planetary Atmospheres by Electron Impact: Titan UVIS Airglow Observations* [#9002]
- 3.02 Kasprzak W. T. Waite J. H. Yelle R. Cravens T. E. Luhmann J. McNutt R. Ip W. Robertson I. P. Ledvina S. Niemann H. B. Fletcher G. Thorpe R. Gell D. Magee B.  
*Cassini Orbiter Ion and Neutral Gas Mass Spectrometer (INMS) Results* [#9021]
- 3.03 Niemann H. B. Kasprzak W. T. Atreya S. Demick-Montelara J. Owen T. Raaen E. Haberman J. Patrick E.  
*Huygens Gas Chromatograph Mass Spectrometer (GCMS) Results from Titan* [#9019]
- 3.04 Nixon C. A. Jennings D. E.  
*Titan's Prolific Propane* [#9024]
- 3.05 Smith M. A. H. Malathy Devi V. Benner D. C. Rinsland C. P. Blake T. A. Sams R. L.  
*Low Temperature Measurements of HCN Broadened by Nitrogen in the 14  $\mu$ m Region* [#9056]
- 3.06 Stark G. Smith P. L. Lewis B. R.  
*Molecular Nitrogen Photoabsorption Cross Section Measurements and Models in Support of Planetary Atmospheres* [#9036]
- 3.07 Vidali G. Li L. Zhao H. Pirronello V. Biham O.  
*Formation of Molecules on Analogues of Dust Grains and Aerosol Particles* [#9037]
- 3.08 Copeland R. A. Geballe Z. M. Smith G. P. Kalogerakis K. S.  
*Laboratory Studies of OH Vibrational Relaxation by Carbon Dioxide at Martian Temperatures* [#9026]
- 3.09 Fast K. E. Kostiuk T. Livengood T. A. Hewagama T.  
*Probing Mars' Vertical Ozone Profile and Atmospheric Photochemistry* [#9073]
- 3.10 Novak R. E. Mumma M. J. Villanueva G. Bonev B. DiSanti M.  
*Mapping of [HDO]/[H<sub>2</sub>O] in the Martian Atmosphere* [#9033]
- 3.11 Krasnopolsky V. A. Maillard J. P. Owen T. C. Toth R. A. Smith M. D.  
*Oxygen and Carbon Isotope Ratios in the Martian Atmosphere* [#9003]
- 3.12 Krasnopolsky V. A.  
*Chemical Kinetic Model for the Lower Atmosphere of Venus* [#9004]
- 3.13 Slinger T. G. Mullen C. Bolin E. Copeland R. A.  
*Venus Photochemistry and Ground-based Observations* [#9005]
- 3.14 Martin-Torres F. J. Roldan C. Crisp D.  
*Improved Version of the Roldan et al's Non-Local Thermodynamic Equilibrium Model for the Infrared Emissions in the Atmosphere of Venus* [#9008]

- 3.15 Wei H. Y. Russell C. T. Dougherty M. K. Luhmann J. G.  
*Flux-Rope Structures at Venus and Titan* [#9057]
- 3.16 Russell C. T. Zhang T. L. Delva M. Barabash S. Luhmann J. G. Wei H. Y.  
*Venus Express Studies Pertaining to the Loss of the Venus Atmosphere by Its Interaction with the Solar Wind* [#9059]
- 3.17 Genda H. Ikoma M.  
*Evolution of the D/H Ratio in Water on the Earth: Implication for the Origin of the Oceans* [#9044]
- 3.18 Elkins-Tanton L. T. Seager S.  
*Atmospheres and Oceans from Initial Degassing in Terrestrial Planets* [#9011]