

**Tuesday, March 11, 2008**  
**POSTER SESSION I: THE BIG GIANT PLANETS**  
**6:30 p.m. Fitness Center**

Tejfel V. G. Vdovichenko V. D. Karimov A. M. Kirienko G. A. Sinyaeva N. V. Kharitonova G. A.  
*The Space-Time Variations of the Molecular Absorption Bands on Jupiter and Saturn from 1995–2007*  
*Observations* [#1530]

The results of 12 years spectral observations of Jupiter and Saturn based on the study of the methane and ammonia absorption bands behaviour on planetary disks are presented.

D'Aversa E. Bellucci G. Altieri F. Carrozzo F. G. Brown R. H.  
*Vertical Aerosol Distribution in the Troposphere and Stratosphere of Saturn from Cassini/VIMS Data* [#1985]  
Aerosols vertical distribution in the Saturn atmosphere and its variation over all the planet can be a useful tool to infer the atmospheric circulation. We apply spectral inversion techniques to the Cassini/VIMS data in order to constraint the aerosols near the tropopause.

Filacchione G. Capaccioni F. Tosi F. Coradini A. Cerroni P. Clark R. N. Nicholson P. D. Cuzzi J. N.  
Hedman M. Showalter M. R. Jaumann R. Stephan K. Cruikshank D. P. Brown R. H. Baines K. H.  
Nelson R. M. McCord T. B.  
*The Diversity of Saturn's Main Rings: A Cassini-VIMS Perspective* [#1294]

VIS-NIR spectrophotometric indicators (bands strengths, spectral slopes, continuum levels) are applied to Saturn rings to derive water ice abundance and grain sizes as well as the distribution of organics contaminants.