

**PRINT ONLY: OUTER PLANETS, SATELLITES, AND RINGS**

Kamentsev L. I. Baranov N.

*Stratigraphical Scale for Ganymede* [#1224]

First new stratigraphical scale for Ganymede.

Moses J. I.

*Stratospheric Photochemistry on Uranus: Lessons from Spitzer Observations* [#1916]

Recent Spitzer observations of hydrocarbons on Uranus suggest that the stratosphere has undergone major changes since the Voyager era. The potential causes of these changes are discussed, as well as constraints on the influx of external oxygen.

Nelson R. M. Kamp L. Lopes R. M. C. Matson D. L. Kirk R. L. Hapke B. W. Boryta M. D. Leader F. E. Smythe W. Baines K. H. Jauman R. Sotin C. Clark R. N. Cruikshank D. P. Drossart P. Buratti B. J. Brown R. H. Combes M. Bellucci G. Bibring J.-P. Capaccioni F. Cerroni P. Coradini A. Formisano V. Filacchione G. Langevin R. Y. McCord T. B. Mennella V. Nicholson P. D. Sicardy B. *Saturn's Titan: Reports Suggesting Surface Activity from Cassini VIMS and Radar Observations* [#1862]

We report reflectance changes with time at two different points on Titan's surface. These are shown not to be due to transient tropospheric clouds. Analysis suggests that these are probably caused by surface cryovolcanic processes.

Nimmo F. Schenk P. M.

*Stereo and Photoclinometric Comparisons and Topographic Roughness of Europa* [#1464]

Topographic roughness on Europa decreases with decreasing wavelength. The areas with the highest short-wavelength roughness are associated with impact ejecta and would prove prohibitively hazardous to landers.

Perov N. I. Medvedev Yu. D.

*Central Configurations of N Bodies as Models of Secondary Coorbital Planets and Planetary Rings* [#1029]

Models of motion of planetary coorbital satellites, planetary rings in the solar system, and planets in the exosolar systems based on N-body central configurations are considered. The regions of localization of undiscovered planets in double star systems are presented.

Veeder G. J. Matson D. L. Davies A. G. Johnson T. V.

*Io: Heat Flow from Dark Volcanic Fields* [#1347]

We focus on the heat flow contribution from dark volcanic fields on Io. These are concentrated in the anti-Loki hemisphere. We use the areas and estimated effective temperatures of dark fluci to derive their total power.