PRINT ONLY: OUTER SOLAR SYSTEM SATELLITES AND RINGS

Hirata N. H. Miyamoto H. M.
Unusuall Smoothness of the Surface of a Saturnian Icy Satellite, Atlas **[#1716]**
Atlas, a small saturnian satellite, has an extremely smooth surface. From geological and theoretical investigations, we propose dust levitation might be active at a global-scale as a major resurfacing process on the surface of Atlas.

Mousis O. Lunine J. I. Picaud S. Cordier D.
The Role of Clathrate Hydrates in Cleaning the Noble Gases of Titan's Atmosphere **[#1403]**
We show that Ar, Kr, and Xe can be trapped efficiently in a clathrate layer in contact with the atmosphere of Titan. This mechanism could explain in a consistent way the apparent deficiency of noble gases measured in Titan's atmosphere.

Perov N. I. Kondratieva A. V.
On the Model of Motion of Giant Planets Rings Arcs **[#1685]**
Perturbed four body (a planets, two satellites of equal mass and a particle) central configuration is under consideration. For ratio of mass of planets M and satellites m M/m>1150 the stable arcs of rings are formed near the planets.

Schmude R. W. Jr.
Drift Rates and Latitudes of Jovian Currents **[#2260]**
The purpose of this paper is threefold: to report the distribution of drift rates and latitudes of currents on Jupiter between 1990 and 2010; to compare these to earlier results; and to establish drift rates and latitudes for currents not well established in earlier studies.