Thursday, March 14, 2002
POSTER SESSION II
7:00–9:30 p.m.  Gymnasium

Ice Rocks

Coradini A.  Cruikshank D.  Drossart P.  Formisano V.  Jaumann R.  Matson D.  McCord T.  Mennella V.
Nelson R.  Nicholson P.  Sicardy B.  Sortin C.  Chamberlain M.

Near-Infrared Spectroscopy of Himalia — An Irregular Jovian Satellite [#2001]
Spectra of the irregular Jovian satellite Himalia were obtained with the Visual and Infrared Mapping
Spectrometer (VIMS) onboard Cassini during the Jupiter Flyby on December 18-19, 2000. These are the first
spectral data of an irregular satellite beyond 2.5 microns.

Peek K.  Hahn J. M.
Disruption of a Small Icy Satellite and the Evolution of the Resulting Debris Ring [#1584]
We examine the likelihood of a Saturnian satellite evolving, with its disruption by cometary impact, into a
significant contributor to Saturn’s rings. While not a viable formation scenario, the dynamics and probabilities
still proved interesting.

Stooke P. J.
Tethys and Dione: New Geological Interpretations [#1553]
Newly reprocessed images of the full Voyager image sets of Tethys and Dione fill blanks in existing maps and
reveal new details of albedo patterns, impact basins and tectonic features. Tethys has more complex albedo
distribution than can be accounted for by simple exogenic processes.

Jarvis K. S.  Vilas F.  Buratti B. J.  Hicks M. D.  Gaffey M. J.
Hyperion’s Dark Material: Rotational Variation [#1667]
We present 2 new dark material spectra of Hyperion compared with previously published dark material spectra
of Hyperion and Iapetus. A 0.67-micron absorption feature is seen in one of the two new spectra. This suggests
possible mineralogical differences across the surface of this Saturnian satellite.