

Thursday, March 22, 2018
POSTER SESSION II: PLEASANT PLUTO II
 6:00 p.m. Town Center Exhibit Area

[R642]

Brand H. E. A. Maynard-Casely H. E. **POSTER LOCATION #674**
[Thermal Expansion and Phase Changes in Methane and Nitrogen at Pluto Temperatures](#) [#1839]

The thermal properties of methane and nitrogen have been determined under Plutonian conditions. The implications for geological features will be discussed.

Ahrens C. J. Chevrier V. F. **POSTER LOCATION #675**
[Spectral Characteristics of Carbon Monoxide in Nitrogen and Methane Mixtures in Simulated Pluto Conditions](#) [#2833]

Carbon monoxide / Does it mix well with others? / Various changes.

Yin A. **POSTER LOCATION #676**
[Warm-Cold Climate Cycles on Pluto as Inferred from a New Gravity-Scaled Visco-Elasto-Plastic Polygon Formation Model](#) [#1134]

A gravity-scaled mechanical model explains the large Pluto polygon dimension and requires warm-cold climate cycles on the planet.

Borrelli M. E. Collins G. C. **POSTER LOCATION #677**
[Volcanism in Vulcan Planum: Topographic Tests for the Emplacement of Smooth Plains on Charon](#) [#2874]

Vulcan Planum's edge / Could it be a lava flow / Or a bending plate?

Ahrens C. J. Chevrier V. F. **POSTER LOCATION #678**
[Folding Characteristics of Bare Montes, Pluto](#) [#2728]

Pluto glacier slides / Rippling from slow collision / It's a young feature.

Scipioni F. White O. Dalle Ore C. M. Cruikshank D. P. **POSTER LOCATION #679**
 Grundy W. M. et al.
[Pluto's Sputnik Planitia: Spectral Versus Geological Signature](#) [#1415]

We consider observations of Sputnik Planitia by LEISA to investigate if geological units identified by White et al. (2017) are defined also spectroscopically.

Engle A. Grundy W. Dustrud S. **POSTER LOCATION #680**
[Raman Shop: Exploring the Carbon Monoxide-Nitrogen-Methane Ternary System of Sputnik Planitia via Raman Spectroscopy](#) [#2763]

Using Raman spectroscopy, we look at how adding methane to the carbon monoxide-nitrogen system impacts the temperature at which the α - β transition occurs.

Robbins S. J. Spencer J. R. Beyer R. A. Schenk P. Moore J. M. et al. **POSTER LOCATION #681**
[Geologic Map of New Horizons' Encounter Hemisphere of Charon, IV](#) [#1741]

Well, besides craters / Stuart can do mapping! Join / Us: Explore Charon.