

Tuesday, March 21, 2017

[T311]

**POSTER SESSION I: NEW HORIZONS VIEWS OF PLUTO AND CHARON:
SO LONG AND THANKS FOR ALL THE BITS
6:00 p.m. Town Center Exhibit Area**

Bierson C. J. Nimmo F. Goldblatt C. Jacobson S. *POSTER LOCATION #164*
[Geophysical Implications of Fast KBO Accretion](#) [#1624]

Models of Kuiper belt object formation suggest they form on a timescale of ~100 years. We examine the geophysical implications of this rapid formation.

Ahrens C. J. Souza M. McMahon Z. M. Chevrier V. F. *POSTER LOCATION #165*
[Carbon Monoxide-Nitrogen Ice Mixture Measurements in Simulated Pluto Conditions](#) [#1352]

Nitrogen ices / Carbon monoxide is strange / It is just a phase.

Ahrens C. J. Chevrier V. F. *POSTER LOCATION #166*
[Investigating a Cryovolcanic Collapse Feature in Cthulhu Region, Pluto](#) [#1351]

Pluto tectonics / Is cryovolcanism / Caldera collapse.

Lisse C. M. Benecchi S. D. Ryan E. L. Binzel R. P. Schwamb M. E. et al. *POSTER LOCATION #167*
[Kepler K2 Precision Lightcurve Observations of Pluto: Preliminary Results](#) [#2698]

We have obtained K2 lightcurve observations of the Pluto system to monitoring the system every 30 min (1.2° longitude) for three months after the NH flyby.

Wong T. McKinnon W. B. Schenk P. M. Moore J. M. Spencer J. R. et al. *POSTER LOCATION #168*
[Convection in Sputnik Planitia, Pluto: Depth of the N₂ Ice Layer and Possible Presence of Basal N₂ Melt](#) [#2787]

Convection in Sputnik Planitia is modeled with both rigid and free-slip bottom boundary conditions to infer the depth of N₂ and the possible presence of melt.

Cook J. C. Binzel R. P. Cruikshank D. P. Dalle Ore C. M. Earle A. et al. *POSTER LOCATION #169*
[Composition of Pluto's Small Satellites: Analysis of New Horizons Spectral Images](#) [#2478]

We discuss the new infrared spectra of Kerberos, Hydra, and Nix. Water ice is detected on all; crystalline water ice and a 2.21- μ m band are seen on the latter objects.

Robbins S. J. Spencer J. R. Beyer R. A. Schenk P. Moore J. M. et al. *POSTER LOCATION #170*
[Geologic Map of New Horizons' Encounter Hemisphere of Charon, III](#) [#1231]

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