

Tuesday, March 22, 2016
POSTER SESSION I: EXOPLANETS... OR PLANET X?
6:00 p.m. Town Center Exhibit Area

[T325]

Costa G. Jacobson N. S. Fegley B. Jr.

POSTER LOCATION #393

[Vaporization and Thermodynamics of Forsterite-Rich Olivine](#) [#1454]

The vaporization behavior and thermodynamic properties of forsterite-rich olivine have been explored by high-temperature Knudsen effusion mass spectrometry.

Melwani Daswani M. Kite E. S.

POSTER LOCATION #394

[Constraints on H₂O and H₂ Proportions in the Volatile Envelopes of Young, H₂-Producing, Small-Radius Exoplanets](#) [#2866]

At right f_{O_2} / Outgas H₂ envelopes / Kepler small planets.

Margot J. L.

POSTER LOCATION #395

[A Quantitative Criterion for Defining Planets](#) [#2699]

A simple criterion can be used to generalize and simplify the definition of a planet. All eight planets and all classifiable exoplanets satisfy the criterion.

Holt T. R. Hurley J. R.

POSTER LOCATION #396

[Stability of a Habitable Zone Jovian Planet in the Presence of a Second Jovian](#) [#2914]

Multiple SWIFT simulations of two jovian planets are undertaken to examine the orbital stability of a theoretical Jovian in the habitable zone.

Saxena P. Petro N. E. Mandell A. M.

POSTER LOCATION #397

[The Atmospheric Evolution of Magma-Ocean Worlds: Application to the Early Moon and Exoplanets](#) [#1242]

The Early Moon may have possessed a moderately thick and dynamic atmosphere akin to some exoplanets due to radiative contributions from the Sun, Earth and LMO.

Kite E. S. Fegley B. Schaefer L. Gaidos E.

POSTER LOCATION #398

[Volcanism on Magma Planets: Extreme Volcanism is Regulated by Planet Mass, Temperature, and Initial Composition](#) [#1601]

The daysides of close-in rocky exoplanets, which are now being observed, are surface magma pools. We provide estimates of outgassing rates and magma composition.

Futó P.

POSTER LOCATION #399

[Earth-Like Interior Structure Models for the Transiting Terrestrial Exoplanets: Kepler-78 b and Kepler-93 b](#) [#1018]

It has been found that Kepler-78b and Kepler-93b have a similar interior structure as of Earth.