

Thursday, March 21, 2013
POSTER SESSION: VENUS SURFACE AND INTERIOR
6:00 p.m. Town Center Exhibit Area

[R733]

Graupner Bergmann M. Hansen V. L. **POSTER LOCATION #645**
[*Structural and Geologic Mapping of Southern Tellus Regio, Venus: Implications for Crustal Plateau Formation*](#) [#1542]

Detailed mapping of southern Tellus Regio provides critical clues for crustal plateau evolution and has implications for existing formation hypotheses.

López I. Hansen V. L. **POSTER LOCATION #646**
[*Concentric Ring Graben Complex in Haastse-Baad Tessera, Northern Aphrodite Terra \(Venus\): Endogenic vs Exogenic Origin and Implications*](#) [#1986]

We describe a concentric ring graben complex in Haastse-Baad Tessera, northern Aphrodite Terra and discuss possible forming mechanisms and their implications.

Hansen V. L. López I. **POSTER LOCATION #647**
[*Geologic Mapping of the Niobe and Aphrodite 1:10M Map Areas, Venus: Insights for Mapping Methodology and Implications for Venus Evolution*](#) [#2027]

We present first-order results of geologic mapping of Niobe (0–57N/60–180E) and Aphrodite (0–57S/60–180E) with implications for methodology and Venus evolution.

Guseva E. N. **POSTER LOCATION #648**
[*Comparative Morphometric Analysis of the Rifts of Venus \(Atla, Beta-Phoebe\) and Earth \(Kenyan-Ethiopian Rift\)*](#) [#2258]

Comparison morphometric parameters of the rift valleys of Venus and Earth for possible future estimates of the thickness of lithosphere of Venus.

Lewis K. W. Simons F. J. Eggers G. L. **POSTER LOCATION #649**
[*Maximum Likelihood Estimation of Lithospheric Thickness on Venus*](#) [#2612]

We utilize a new, maximum likelihood-based technique to estimate elastic thickness and loading characteristics of the venusian lithosphere.

D’Incecco P. Helbert J. **POSTER LOCATION #650**
[*Global Scale Characterization of Venusian and Terrestrial Calderas*](#) [#1524]

In the present study we analyzed the areal and geometrical characteristics of venusian calderas through a comparison with terrestrial counterparts.

Matiella Novak M. A. Buczkowski D. L. **POSTER LOCATION #651**
[*Relative Timing of the Formation of Structural Features Around Irnini Mons, Venus*](#) [#2119]

An analysis of cross-cutting structural features in the region to better understand the stress history and timing of events associated with Irnini Mons, Venus.

Bennett K. J. Wang J. Scholes D. M. Slavney S. Guinness E. A. et al. **POSTER LOCATION #652**
[*Planetary Data Access Through the Venus Orbital Data Explorer from the PDS Geosciences Node*](#) [#1310]

NASA’s PDS Geosciences Node’s Venus ODE supports web-based search and retrieve data from the Magellan mission and Venus-flyby portion of the MESSENGER mission.

Lang N. P. Thomson B. J. **POSTER LOCATION #653**
[*Testing of a MATLAB Statistical Tool at Chernava Colles, Venus*](#) [#1808]

We describe our efforts to better understand the geologic history recorded at individual venusian shield fields using a MATLAB-derived statistical tool.