

Tuesday, March 19, 2013

[T620]

## POSTER SESSION: MARS MAPPING AND STRUCTURAL ANALYSES

6:00 p.m. Town Center Exhibit Area

Pozzobon R. Mazzarini F. Massironi M. Pondrelli M. Rossi A. P. et al. **POSTER LOCATION #289**  
[Fractal Analysis and Possible Fluid Source Depth in Crater Mounds, Arabia Terra \(Mars\) \[#2113\]](#)

The fractal analysis of the size frequency distribution of mounds on spring deposits into Arabia Terra craters gives a clue about the depth of the fluid source.

Öhman T. McGovern P. J. **POSTER LOCATION #290**  
[Strain Calculations for Circumferential Graben on Alba Mons, Mars \[#2966\]](#)

Extensional strain is focused on the uppermost asymmetric graben of Alba Mons, with Alba Fossae (NW) accommodating more strain than Tantalus Fossae (E and SE).

Raaitala J. Kostama V.-P. Kukkonen S. Esestime P. Korteniemi J. **POSTER LOCATION #291**  
[Structures that Add to our Understanding of the Development of Claritas Fossae, Mars \[#2017\]](#)

Regional tectonic time span extends from 4-Ga-old highland to <3-Ga-old hanging wall faults and to Claritas Rupes activity 2.5 Ga ago.

Okubo C. H. **POSTER LOCATION #292**  
[Large-Scale Geologic Mapping Through the Central Candor Colles, West Candor Chasma, Mars \[#1299\]](#)

Results of the first 1:20,000-scale geologic map through the central part of the Candor Colles, in west Candor Chasma, are presented here.

Hore A. Fueten F. Flahaut J. Stesky R. Rossi A. P. et al. **POSTER LOCATION #293**  
[Structural Analysis, Layer Thickness Measurements and Mineralogical Investigation of the Largest Interior Layered Deposit within Ganges Chasma, Valles Marineris, Mars \[#1070\]](#)

Layering within HiRISE images covers 2.5 km of stratigraphy with average layer thicknesses of <1.5 m. Soft sedimentary deformation is visible near the base.

Novakovic N. Fueten F. Flahaut J. Stesky R. Rossi A. P. et al. **POSTER LOCATION #294**  
[Layer Attitude and Thickness Measurements of the Three Interior Layered Deposits Mounds within Juventae Chasma, Mars \[#1068\]](#)

Basal layers of mound C drape over basement topography. Average layer thicknesses for mounds A and C are <5 m while mound B averages 83.5 m.

Calvert L. Fueten F. Flahaut J. Stesky R. Rossi A. P. et al. **POSTER LOCATION #295**  
[Layer Attitude and Thickness Measurements of Three Interior Layered Deposits Within Capri Chasma, Mars \[#1069\]](#)

Dip directions vary between outcrops; several units compose a single massive outcrop. Layer thickness is on average less than 10 m but varies considerably.