POSTER LOCATION #377

Core Formation in Vesta: Constraints from Metal-Silicate Partitioning of Siderophile Elements [#1421]
Siderophile-element depletions in Vesta’s mantle show its core formed at low pressure, is S and Ni rich, and did not form under highly reducing conditions.

POSTER LOCATION #378

Gravity Evidence for Post-Magma Ocean Serial Magmatism on Protoplanet Vesta [#2759]
Vesta’s gravity indicates density variations in its crust consistent with discrete plutonic magmatism.

POSTER LOCATION #379

A Numerical Model of the Physical and Chemical Evolution of Vesta Based on Compaction Equations and the Olivine-Anorthite-Silica Ternary Diagram [#2398]
A numerical model based on compaction equations is used with the olivine-anorthite-silica phase diagram to model eucrites and diogenites formation in Vesta.

POSTER LOCATION #380

Quantitative Mapping of Minerals on Vesta Using Dawn VIR Data [#2179]
Minerals on Vesta’s surface are quantified with DAWN VIR data to understand Vesta’s lithologies and interior structures.

POSTER LOCATION #381

Olivine on Vesta: Implications for the Internal Structure of a Terrestrial Protoplanet [#1660]
While olivine has been detected on Vesta’s surface, its distribution has posed some questions on the mechanisms that have brought it in its present locations.

POSTER LOCATION #382

The Composition of Vesta from all Dawn Data and Analyses [#2102]
Vesta surface composition is interpreted from analyses of all Dawn Vesta data, the first summary of Dawn findings using the complete, calibrated dataset.

POSTER LOCATION #383

Vesta’s “Ribbon”: Exploring Potential Non-Radially Symmetric Flow Features Near Sossia [#2075]
Using data from the Dawn mission we attempt to test the fluidized ejecta flow hypothesis on potential flow features near Sossia crater.

POSTER LOCATION #384

Comparison of Spectral Parameters for HED Discrimination with Dawn Data [#2004]
We investigate the relationship between band-I center and a FC filter based parameter using meteorite spectra and show HEDs on Vesta with Dawn FC and VIR data.

POSTER LOCATION #385

Morphology and Age of Rheasilvia (Vesta), and Expectations for Large Impact Basins on Ceres [#2309]
Rheasilvia formed not so long ago/Ceres got hit by more than one blow/Look to Dione but of craters/Only Ceres will know.
Frigeri A.   De Sanctis M. C.   Ammannito E.   Yingst R. A.   Williams D. A.   et al.  
**POSTER LOCATION #386**
*Geospatial Investigation of the Mineralogic and Geologic Maps of Vesta* [#1387]
In this work we present the spatial data analysis of the recently published global geologic and mineralogic maps of Vesta.

Le Corre L.   Reddy V.   Sanchez J.   Dunn T.   Cloutis E. A.   et al.  
**POSTER LOCATION #387**
*Exploring Exogenic Sources for the Olivine on Asteroid Vesta* [#1107]
We propose that a probable source for the olivine seen in the northern hemisphere of Vesta corresponds to remnants of impactors made of olivine-rich meteorites.

Williams D. A.   Blewett D. T.   Buczkowski D. L.   Garry W. B.   Kneissl T.   et al.  
**POSTER LOCATION #388**
*Complete Global Geologic Map of Vesta from Dawn and Mapping Plans for Ceres* [#1126]
We present the final 1:250,000 global geologic map of Vesta produced by the Dawn team during the Vesta mission, and we discuss geologic mapping plans for Ceres.

**POSTER LOCATION #389**
*Dawn at Vesta: Composition of the Northern Regions* [#2098]
The northern regions of Vesta observed by Dawn reveal that impact-related processes (excavation, ejecta, and exogenous materials) changed the surface composition.

Villarreal M. N.   Russell C. T.   Prettyman T. H.   Yamashita N.  
**POSTER LOCATION #390**
*Limits on Vesta’s Magnetic Field from the Gain of Dawn’s Gamma Ray Detector* [#1698]
Here we attempt to use the variation of the gain of the photomultiplier tube as Dawn orbits Vesta as a proxy for any crustal fields that may be present.

Kramer G. Y.   Schenk P.   Dawn Team  
**POSTER LOCATION #391**
*Morphologies of Fresh Craters, Lunar Analogs, and the Simple-Complex Transition Vesta* [#2571]
Simple to complex/What controls the transition?/Speed? Gravity? Gnomes?

Longobardo A.   Palomba E.   De Sanctis M. C.   Capaccioni F.   Tosi F.   et al.  
**POSTER LOCATION #392**
*VIS-NIR Spectroscopy of Linear Features of Tectonic Origin on Vesta and Other Asteroids* [#1469]
The spectral variations in correspondence of the Vesta linear features are analyzed and compared with the spectral properties of the Lutetia and Eros grooves.