
We look at vestan craters with planetary eyes: Why don’t they fit?


Geological investigations of bimodal craters on Vesta.


A number of unusual craters have been observed on Vesta. By numerical simulations, we studied the formation of these craters in topographically rough terrain.


The Swarm is a unique crater chain on Vesta. It is an elongated concentration of small craters and is located in the Pinaria quadrangle.


Gullies in craters are classified as type L (linear) and type C (curvilinear). Possible formation mechanisms, including dry and fluid flow, are investigated.


This presentation discusses lobate, flow-like features on Vesta, which we suggest were produced by impact and gradational processes, not volcanism.


We investigated prominent impact features in the mapping quadrangle Av-13 Tuccia, as this quadrangle offers a rich variety of different crater morphologies.

Daly R. T. Schultz P. H. *Experimental Studies into the Survival and State of the Projectile* [#2240]

Experiments at the NASA AVGR determine how much of the projectile survives impact and reveal differences in survival for porous silicate and porous icy targets.


We derived a lunar-like chronology for Vesta. Application to measured crater frequencies result in agreement with three peaks of HED Ar-Ar ages within the error.

Ivanov B. A. Kamyshenkov D. *Vesta Impact Craters: Rheasilvia over Veneneia* [#1924]

Two-dimensional numerical modeling is aimed to analyze consequences of Rheasilvia crater formation over the older Veneneia crater and connection Vesta family mineralogy.
Otto K. A. Jaumann R. Krohn K. Matz K.-D. Preusker F. et al. POSTER LOCATION #133

Is the Coriolis Force Responsible for Curved Features on Vesta? [#1955]
We investigated the curved features associated with Vesta’s south polar basin Rheasilvia to analyse the contribution of the Coriolis force.

Hiesinger H. Ruesch O. Blewett D. T. Buczkowski D. L. Scully J. E. C. et al. POSTER LOCATION #134

Geologic Map of the Northern Hemisphere of Vesta Based on Dawn FC Images [#2582]
We present a new geologic map of the northern hemisphere (>21°) of Vesta based on images of the Dawn mission.