Mapping Mercury’s Debussy Quadrangle and Exploration of Volcanic Vents on a Shrinking World

Thesis

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Appendix 1: Geological Maps of The Debussy Quadrangle (H-14) of Mercury

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Correlation of Units

Alignment of Structures

Geological Map of The Debussy Quadrangle (H-14) of Mercury (5-Class Crater Categorisation)

Location of Quadrangle

Central meridian

Robinson projection.

Tolstoj

H-14

100 km

-400 km

Rel

-45°E

58°N

: 2440 km

: 45°E

: 30°N

ip

icp

Debussy

Michelangelo

Shakespeare

Beethoven

Bach

Belgica Rupes

Nautilus Rupes

Rembrandt Units

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High albedo spectrally red spots with diffuse superimposed impact craters or secondaries. Often have distinct boundaries with surrounding Intercrater Plains units.


Projection: Lambert Conformal Conic
Central meridian: 45°E
Standard parallel 1: 30°N
Standard parallel 2: 38°N
Spheroid radius: 2440 km
Geological Map of The Debussy Quadrangle (H-14) of Mercury (3-Class Crater Categorisation)

Superficial Units
- Light grey: Low Albedo Unit
- Dark grey: High Albedo Unit
- Medium grey: Medium Albedo Unit

Plains Units
- Light blue: Smooth Plains
- Dark blue: Intercrater Plains
- Medium blue: Crater Floor Material

Rembrandt Units
- Light green: Rembrandt Ejecta
- Dark green: Rembrandt Massif
- Medium green: Rembrandt Hummocky Material

Crater Materials
- Light red: Sharp Convex Rim
- Dark red: Sharp Concave Rim
- Medium red: Relaxed Convex Rim
- Light brown: Relaxed Concave Rim
- Dark brown: Rembrandt Ejecta

References: