MESSENGER Observations of Volcanism on Mercury: From Hokusai Quadrangle Down to Small Cones

Thesis

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Geological map of the Hokusai Quadrangle (H05), Mercury

Geological units
- Spectacular crater plains: Probably ancient, where crater history is unknown. Smooth plains probably not an impact crater or volcanics. Impact craters are small and intermediate plains.
- Impact craters: Small craters imaged by MESSENGER in the quadrangle are small and intermediate plains.
- Impact craters: Small craters are not always properly imaged by MESSENGER or spectrometers in the quadrangle.
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Crater material (five degradation classes)
- Fresh craters: with sharp rims and interior walls. Principal crater Bartolome. cheeks not altered.
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Surface features
- Fresh craters: with sharp rims and interior walls. Principal crater Bartolome. cheeks not altered.
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Structures
- Altered crater plains: Multiple layers. Prominent outcrops and features.
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Faults
- Fresh craters: with sharp rims and interior walls. Principal crater Bartolome. cheeks not altered.
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Crater rims
- Altered crater plains: Multiple layers. Prominent outcrops and features.
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Geological contacts
- Altered crater plains: Multiple layers. Prominent outcrops and features.
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Coordinate system:
- Perimeter: Cartesian 3-D Cartesian
- Coordinate system: Cartesian 3-D Cartesian
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- Coordinate system: Cartesian 3-D Cartesian

Data source:
- Data source: MESSENGER
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