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

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Appendix 2

Planitia

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Crater materials (five degradation classes)

Well preserved craters with sharp rims and internal peaks. Textured ejecta blankets. Faculae rays absent.

Putative volcanic vent present but not strongly indicated. Faculae rays present or absent. Ejecta blankets present or absent.

Dissolved crater. Rims mostly complete, but subdued. Faculae and ray systems present.

Putative volcanic vent present but not strongly indicated. Faculae rays present or absent. Ejecta blankets present or absent.

Heavily cratered plains with a rough, hummocky texture. Probably degraded wall and floor material.

Data source: https://astrogeology.usgs.gov/search/map/Mercury/Messenger/Global/Mercury_MESSENGER_MDIS_Basemap_EnhancedColor_Mosaic_Global_665m

Graben—uncertain identification

Catenae

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Data source: https://pds-imaging.jpl.nasa.gov/data/messenger/msgrmds_4001/BDR/H05/

Standard parallel 2: 58°N

Resolution: 256 pixels per degree (~166 metres/pixel)

An alternative version of this map is available with three crater degradation classes compatible with those of other spacecraft imaging data.

Correlation of map units

Appendix 2