The Volcanic Evolution of Syrtis Major Planum, Mars

Thesis

How to cite:

For guidance on citations see FAQs.

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Version: [not recorded]
Map Sheet 1: Geological Map of Syrtis Major Planum, Mars (1:2,000,000)

13°N
15°N
2°N
8°N

Description of map units

Lithostratigraphic Units
- Late Stage Volcanic Formation
- Amazonian volcanic field units
- Amazonian bright caldera volcanic units (Nili)
- Amazonian late volcanic units (Nili/Meroe)
- Late Hesperian volcanic flow unit
- Late Hesperian upper Caldera floor (Nili/Meroe)
- Late Hesperian volcanic plains unit
- Late Hesperian volcanic ridge unit
- Early Hesperian volcanic plains unit
- Early Hesperian volcanic ridge unit
- Noachian plains formation
- Noachian crater units
- Interior floor volcanism
- Early Noachian crater units
- Medium resolution THEMIS data
- THEMIS data

Geological characteristics
- Craters
- Channels
- Ridges
- Elevations
- Volcanic formations
- Fissure vents
- Impact Materials
- Kob terrain
- Landslide deposits
- Block and boulder fields
- Sedimentary deposits
- Fluviatile deposits
- Water erosion
- Channel networks
- Wind erosion
- Dunes
- Wind streaks
- Hydrothermal activity
- Vent regions
- Elevation contours
- Contours every 250 m

Legend
- Pink: Late Stage Volcanic Formation
- Dark blue: Amazonian volcanic field units
- Light blue: Amazonian bright caldera volcanic units (Nili)
- Green: Amazonian late volcanic units (Nili/Meroe)
- Grey: Late Hesperian volcanic flow unit
- Orange: Late Hesperian upper Caldera floor (Nili/Meroe)
- Red: Late Hesperian volcanic plains unit
- Yellow: Late Hesperian volcanic ridge unit
- Blue: Early Hesperian volcanic plains unit
- Brown: Early Hesperian volcanic ridge unit
- Purple: Noachian plains formation
- Greenish-blue: Noachian crater units
- Light green: Interior floor volcanism
- Brownish-red: Early Noachian crater units
- Light brown: Medium resolution THEMIS data
- Dark brown: THEMIS data

Legend Explanation
- Pink: Late Stage Volcanic Formation
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