The Volcanic Evolution of Syrtis Major Planum, Mars

Thesis

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Map Sheet 1: Geological Map of Syrtis Major Planum, Mars (1:2,000,000)

Description of map units

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<td>Early Noachian sediments</td>
<td>Early Noachian sediments</td>
<td>stratigraphic relationships and model ages.</td>
</tr>
</tbody>
</table>

Map and stratigraphy details:

- **Elevation contours**: 1000 m, 2000 m, 3000 m, 4000 m, 5000 m
- **Flow features**: Southern Crypto Fissure
- **Reverse faults**: Planum tectonics
- **Wind streaks**: Syrtis Major Planum
- **Small pits**: Planum tectonics
- **Long ridge**: planum tectonics (discontinuous on a mound)
- **No sign in crater**: Syrtis Major Planum

Additional notes:

- **Stratigraphy** is compiled from hard stratigraphic relationships and model ages. Short sections of bars indicate uncertainty about the timing of events.
- **Description of map units** includes material surrounding an impact mound in the centre of impact regions. The material is of unknown origin or sometimes superposed by an inner ejecta surrounding impact margins, rarely with gradational wasting makes gradational contact with the eHvp. Further information is provided in chapter 4, including interpretations; see figure 3.

**Map and scale**: The map is at a scale of 1:2,000,000, with a grid of 100 km squares for detailed geographical analysis.