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)

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

Description of map units:

Map and legend:

- **Geological Map of Syrtis Major Planum, Mars (1:2,000,000)**
- **Map Sheet 1**
- **Map and legend**
- **CRAB 2016**

Note: The map shows a geological overview of Syrtis Major Planum, including various geological features and formations. The map is a composite of data from various sources, including satellite imagery, rover observations, and laboratory analysis.

**Geological Features**:

- **Ridges and Mounds**: These features are indicated by different colors and patterns, representing various geological ages and types.
- **Channels and Valleys**: These features are shown in different colors, indicating different types of geological processes that have formed them.
- **Craters and Impact Structures**: These features are shown in different colors, indicating the age and type of impact events that have formed them.

**Geological Formations**:

- **Noachian High Plains Formation**
- **Planum Building Flow Formation**
- **Vulcanian Plains Formation**
- **Depositional Fill**
- **Superposed Material**

**Geological Processes**:

- **Erosion and Deposition**: These processes are shown in different colors, indicating the age and type of geological processes that have formed them.
- **Uplift and Subsidence**: These processes are shown in different colors, indicating the age and type of geological processes that have formed them.

**Geological Time**:

- **Noachian**: This period is indicated by different colors, representing the earliest geological period on Mars.
- **Hesperian**: This period is indicated by different colors, representing a later geological period on Mars.

**Geological Interpretation**:

- **Interpretation**: This section provides a detailed geological interpretation of the map, including the geological age and type of various geological features.

**Geological Correlation**:

- **Correlation**: This section provides a geological correlation of the map with other geological maps and data.

**Geological Data**:

- **Data Source**: This section provides the source of the geological data used to create the map.

**Geological Note**:

- **Note**: This section provides additional geological notes and information about the geological features shown on the map.