INTRODUCTION:

The present map of the Tharsis quadrangle on Mars has been compiled in a scale of 1:2,800,000 and is based on the detailed mapping of a large region near the Tharsis Ridge. This area is characterized by its geologic complexity and is thought to be a region of significant volcanic and tectonic activity. The map includes a number of volcanic features, such as lava flows, calderas, and volcanic vents, as well as tectonic features, such as faults and fractures. The volcanic activity in this area has been ongoing for millions of years, and the resulting features provide important insights into the geological history of Mars.

TECTONIC HISTORY:

The Tharsis region is located on the western edge of the Tharsis Ridge, which is a large volcanic province on Mars. The Tharsis Ridge is thought to have formed as a result of the activity of a large volcano, which has now subsided and is now a ridge. The Tharsis region is thought to have been formed as a result of the activity of the Tharsis volcano, which has now subsided and is now a ridge.

TECTONIC Features:

The Tharsis region is characterized by a number of tectonic features, including faults and fractures. These features are thought to have been formed as a result of the activity of the Tharsis volcano, which has now subsided and is now a ridge.

LAVAs Flows:

The Tharsis region is characterized by a number of volcanic features, including lava flows. These flows are thought to have been formed as a result of the activity of the Tharsis volcano, which has now subsided and is now a ridge.

MAP SHOWING LAVA FLOWS IN THE NORTHWEST PART OF THE THARSIS QUADRANGLE OF MARS

By


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