

Volcanism on Mars and Mercury: Comparison with the Moon

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Volcanism on Mars and Mercury are discussed on the basis of various remote sensing mission data. Mars has several huge volcanoes. Tharsis uplift should be composed of successive lava eruptions. Olympus Mons is the largest volcano in the solar system. On Mars, distribution of volcanic activity may be controlled by the positions of mantle plumes. On Mercury, there observed no extensive volcanism, however, future global mapping may reveal large-scale mare volcanism like on the Moon.