

Geologic cartography of Elysium volcanic region, Mars.

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The last years were marked by arrival of an important volume of data from Mars obtained by different sensor on board of Mars Global Surveyor, Mars Odyssey, and Mars Express spacecrafts. Images, altimetric or spectrometric data are used for to elaborate new maps, and for to study the evolution of Mars and its reliefs. We used mosaics, and topographic maps derived from these new data, together with high resolution images like the base for the elaboration of a new geologic map of Elysium region of Mars. The objective of this work was to made a map which could complement the previously published geologic maps elaborated by the analysis of Viking data. Higher resolution of MOC and THEMIS images made possible to define more accurate limits and contact of some geologic units of this region. To define new geologic unites were possible as well thanks to the analysis of images together with topography of this map area. Here we show the preliminary version of this geologic map of Elysium volcanic region of Mars, together with a brief description of each geologic unit.