

Investigation of formation age around of Mt. Olympus in Mars using by counting craters

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We investigated formation age around of Mt. Olympus in Mars using by counting craters. The formation age could be estimated from numbers of craters because old surfaces has many craters. We investigated four areas (North, East, West and South) around Mt. Olympus. The formation age of South and East area was estimated to be one billion years ago. West area was estimated to be less than one billion years ago. In North area, north sites was estimated to be one billion or three billions years ago. South sites was estimated to be one hundred million or one billion years ago. In South sites, trace of lava was observed by the picture. Therefore, Mt. Olympus might erupt one billion years ago intensely, then lava might flow to all direction. And Mt. Olympus might erupt one hundred million years ago less intensely, then lava might flow to north and west.