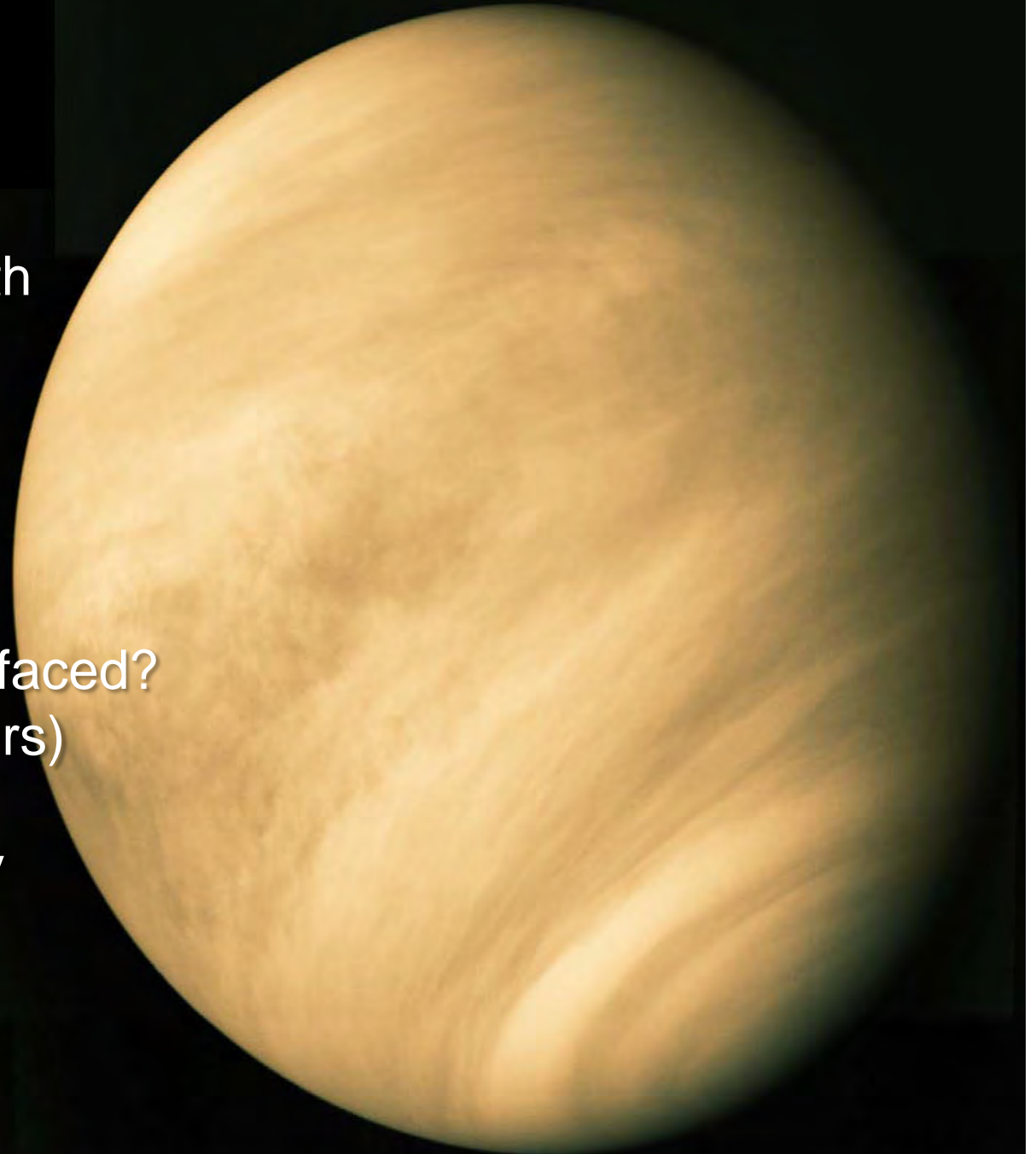


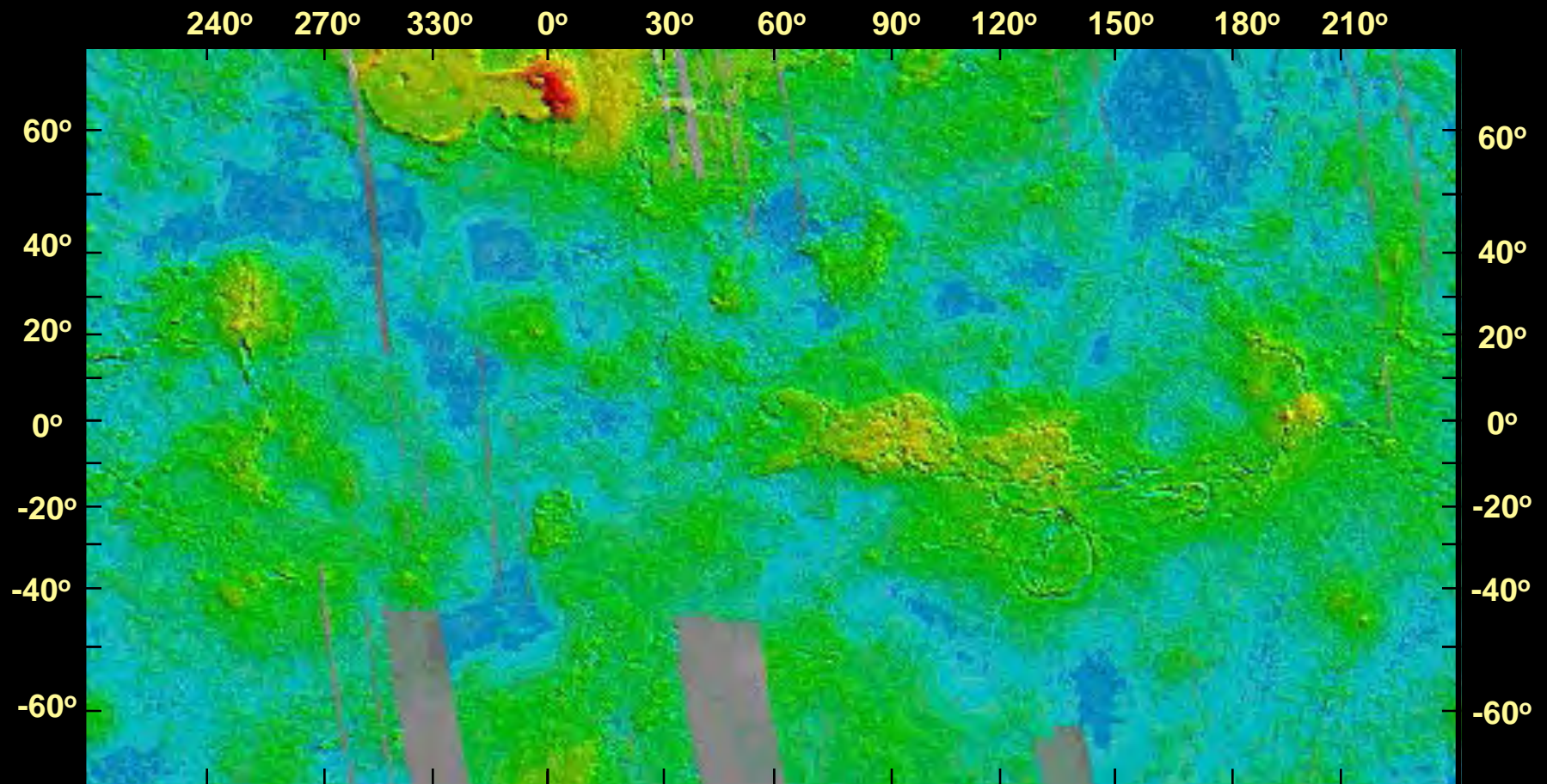
# Venus

- “Sister” planet to Earth
- Tectonically active
- Volcanically active
- Basaltic crust – resurfaced?  
(random impact craters)
- Unimodal topography

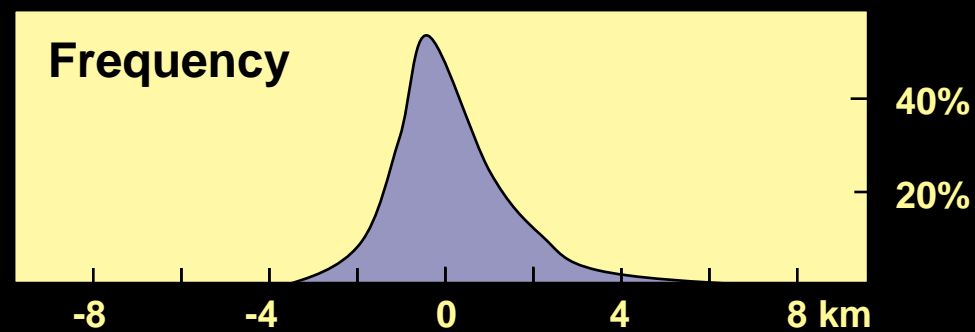


*Mariner 10 image*

# Venus Topography

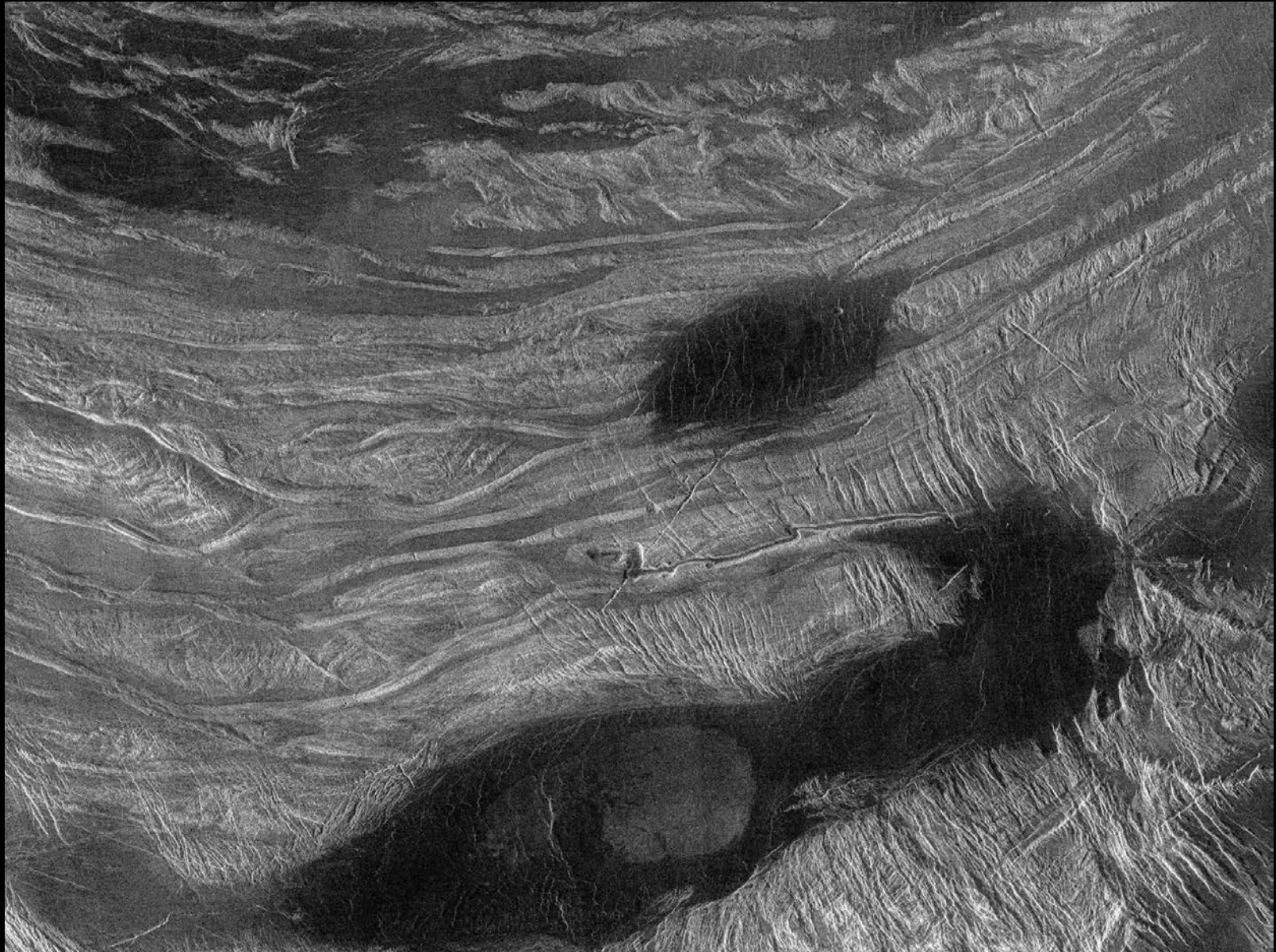


Elevation

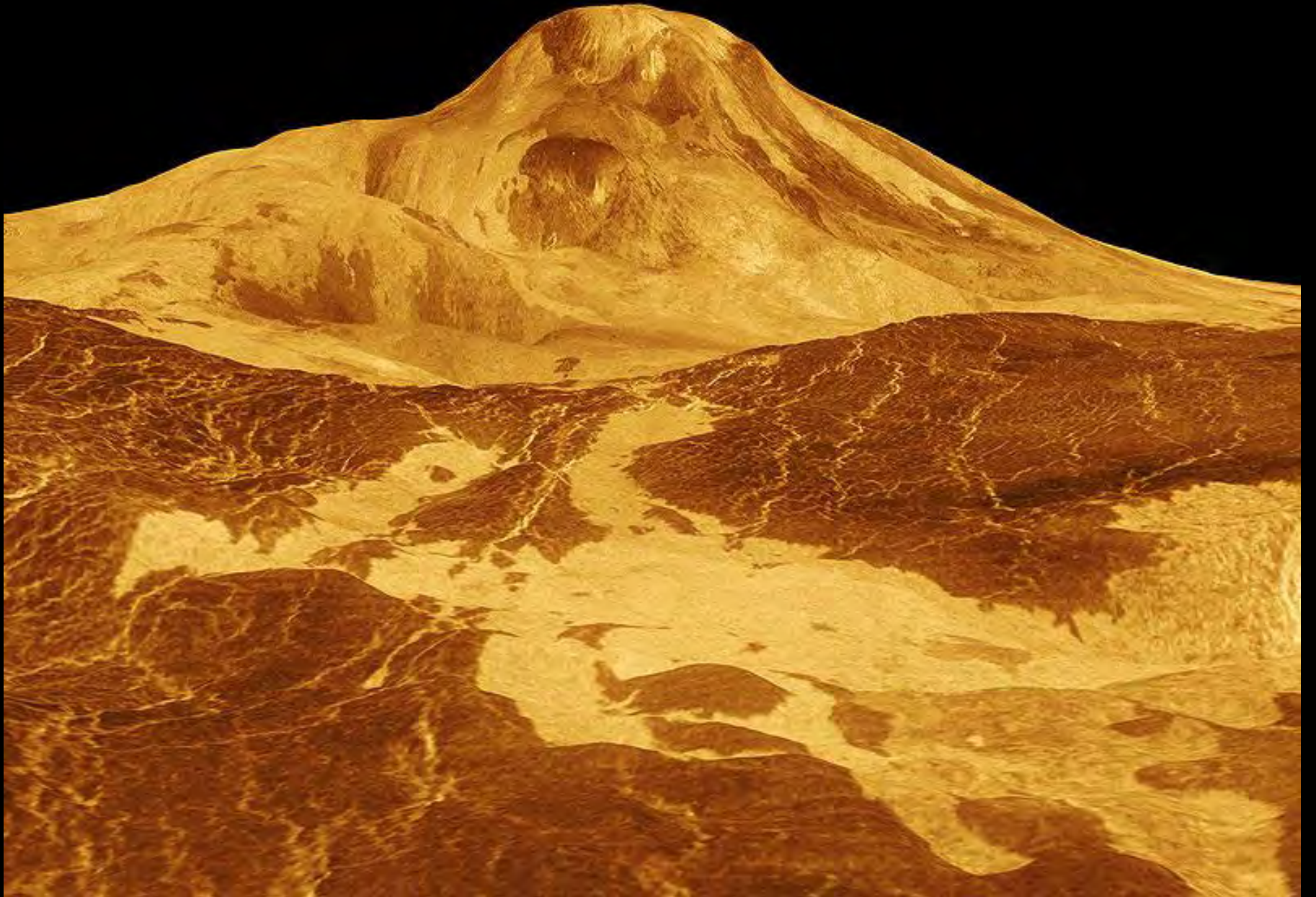


*Magellan, 1990-1994*

# Ovdan Regio



# Maat Mons



## Color as seen on the surface of Venus



## Color with atmospheric effects removed

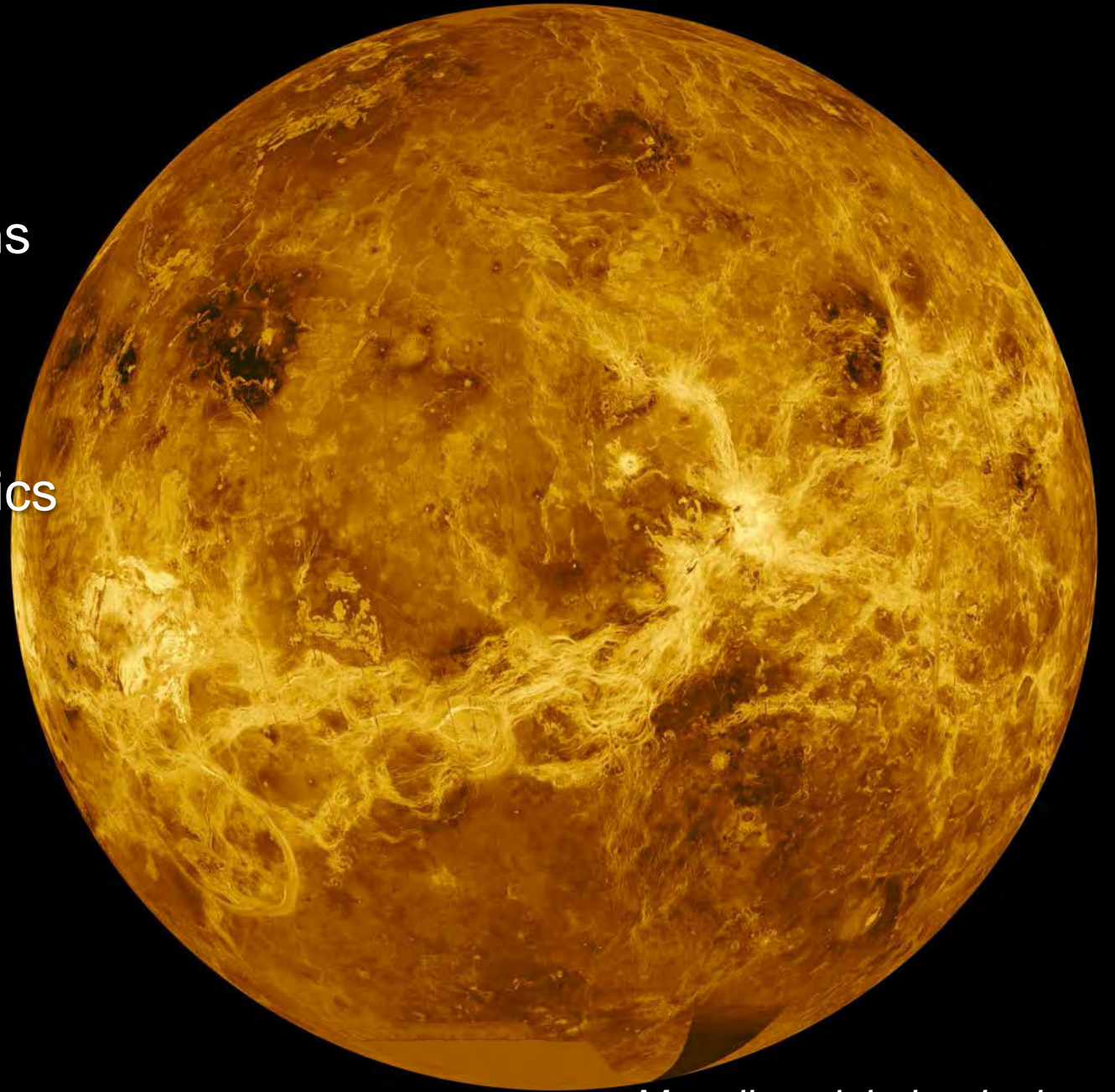


**VENERA 13**

*Venera 13, 1982, 2 hours, 7 minutes*

# Venus

- No ocean basins
- No continents
- No plate tectonics

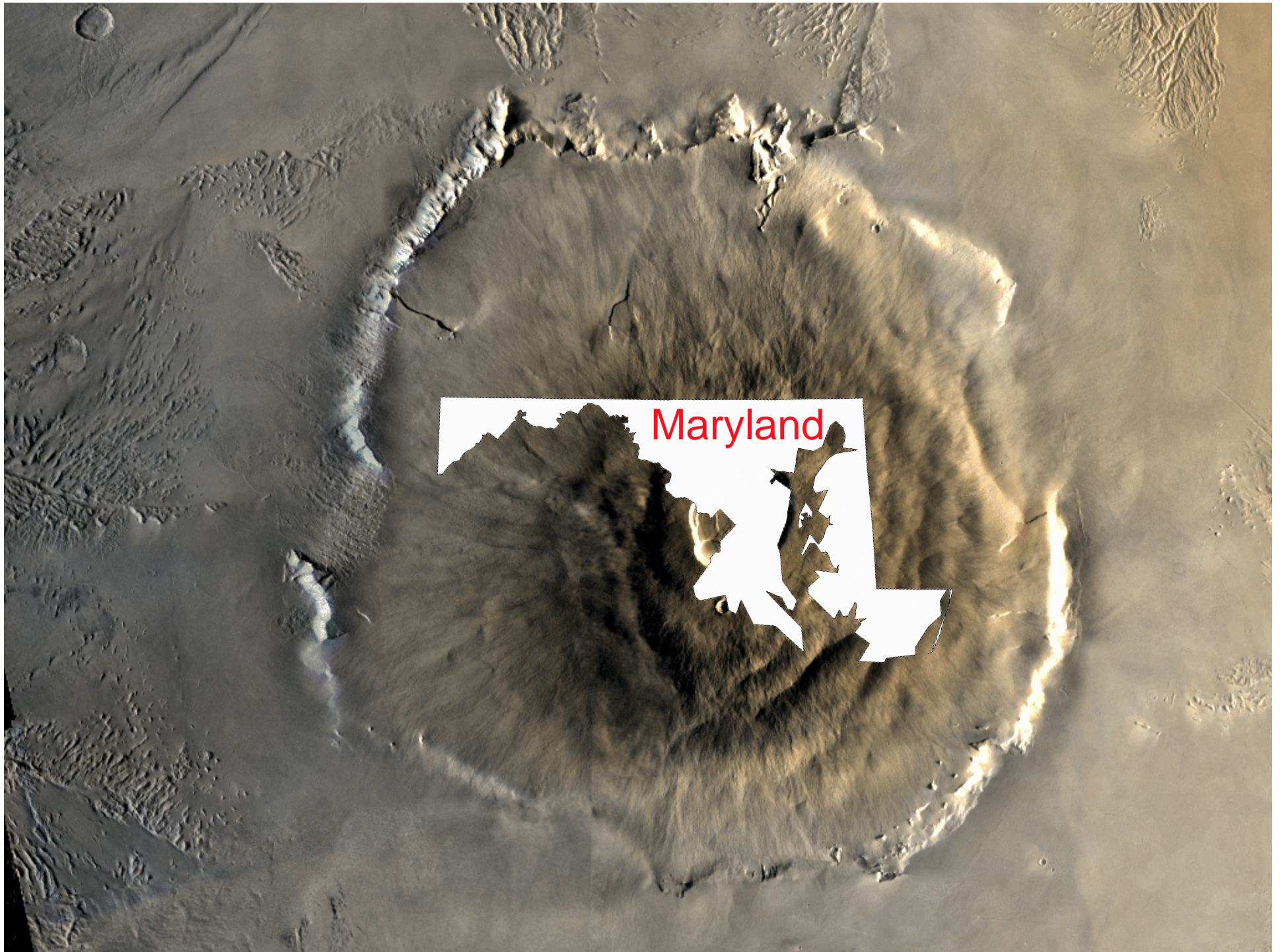


*Magellan global radar image*

# Mars

- Tectonically active
- Volcanically active
- Liquid water (in the past and occasionally now)
- Bimodal topography

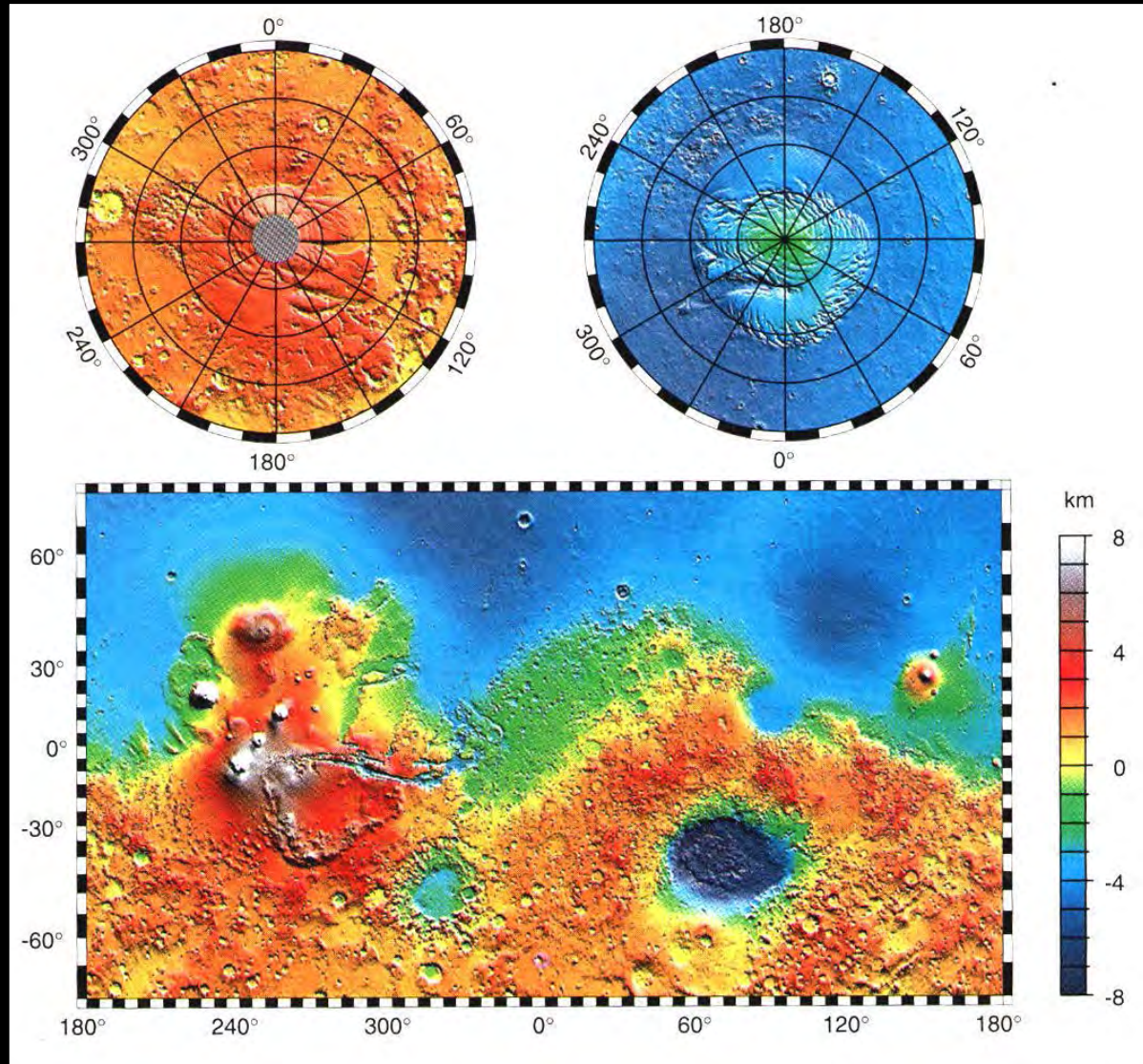




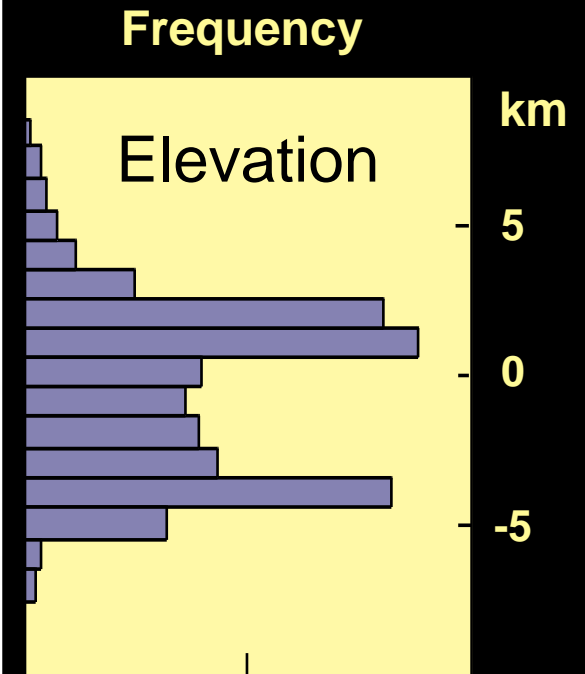
Maryland



# Mars Topography



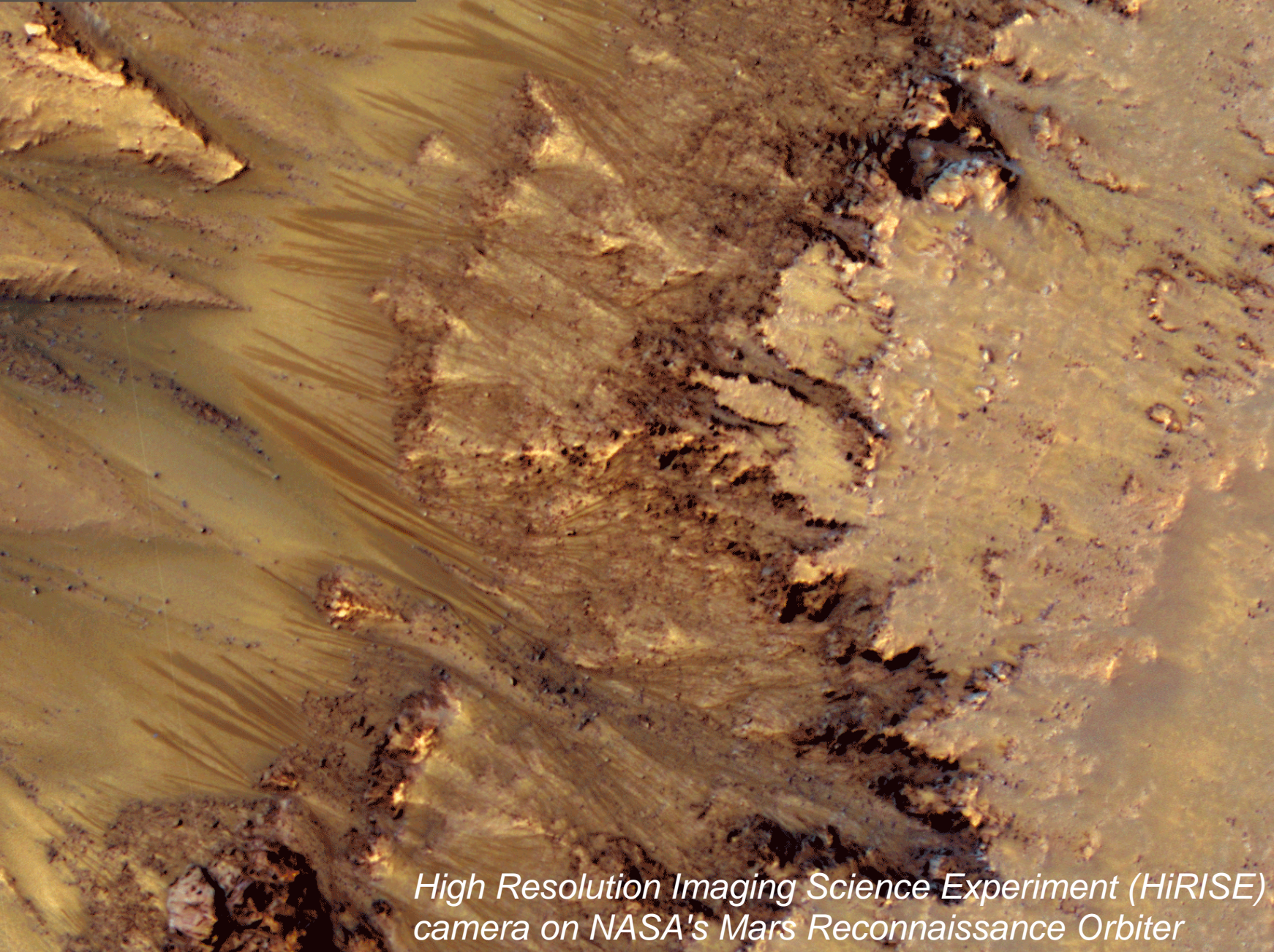
From Smith et al., 1999



10%

Mars global surveyor, 1997-2006

MY 29  
MY 30  
L\_s 0 autumn 90 winter 180 spring 270 summer 360  
ESP\_022834\_1380



*High Resolution Imaging Science Experiment (HiRISE)  
camera on NASA's Mars Reconnaissance Orbiter*