

Mars

JPL/CALTECH/NASA (top); NASA (bottom left); JPL (bottom right)



SIZE COMPARED WITH EARTH



MARTIAN LANDSCAPE, (right) was photographed in July 1997 by the Mars Pathfinder lander, part of which is visible at the bottom of this panoramic image. The bumps on the horizon, called Twin Peaks, were about one kilometer south-southwest of the lander. Pathfinder carried a roving vehicle, Sojourner (left), which analyzed soil and a group of rocks. In the panorama, Sojourner can be seen in front of one of the rocks, which was dubbed Yogi.



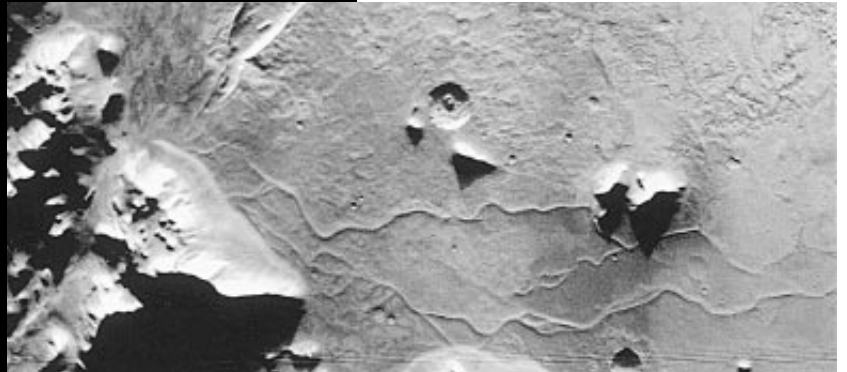
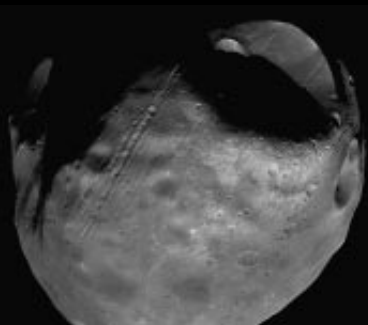
MARTIAN METEORITE ALH84001

(above) was found to contain segmented objects, about 380 nanometers long (right), which some researchers took to be the fossilized remnants of bacterial life that came into contact with the rock more than 1.3 billion years ago. Other scientists, however, were more skeptical, contending that the formations had nonbiological origins and that the rock was chemically contaminated after it fell to Earth.



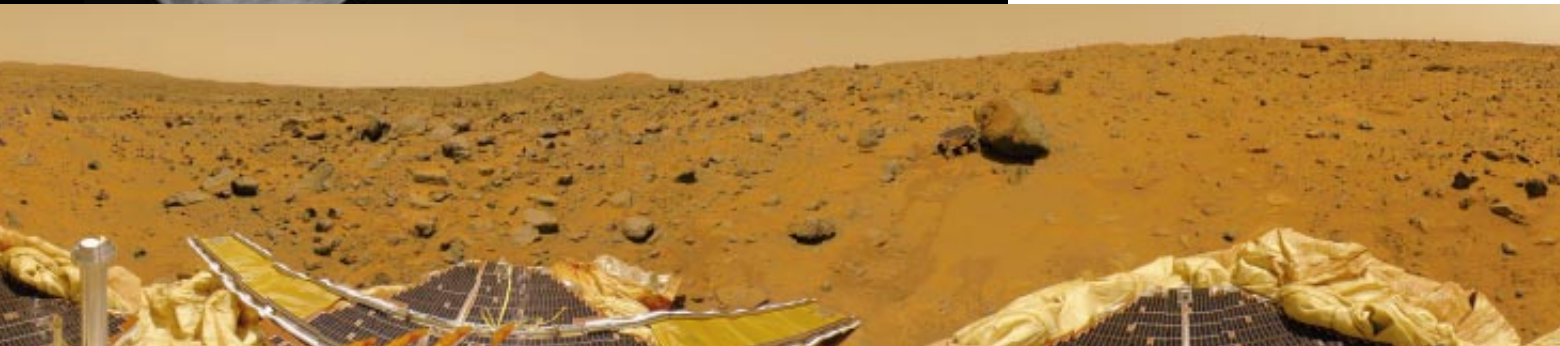
MINUSCULE MARTIAN MOONS

Deimos (below, top) and Phobos (bottom) are respectively about 15 and 27 kilometers (nine and 17 miles), at their longest. Because both moons are carbon-rich, some planetary scientists have concluded that they are captured asteroids from the relatively nearby asteroid belt.



SINUOUS RIDGES

known as eskers are made up of soil deposited by streams running under a sheet of ice. They appear to exist on the floor of the Argyre basin (above, seen from orbit) on Mars, suggesting that melting glaciers once covered the area. Evidence abounds that the planet was warmer and wetter in the past, although scientists still cannot say how much water there was, how many wet periods there were or how long they lasted.



NASA JOHNSON SPACE CENTER (top two images); COURTESY OF NASA/JPL (Deimos); NASA/JPL (Phobos); JPL/CALTECH/NASA (microscopes)