

GLACIERS AND ICE CAPS

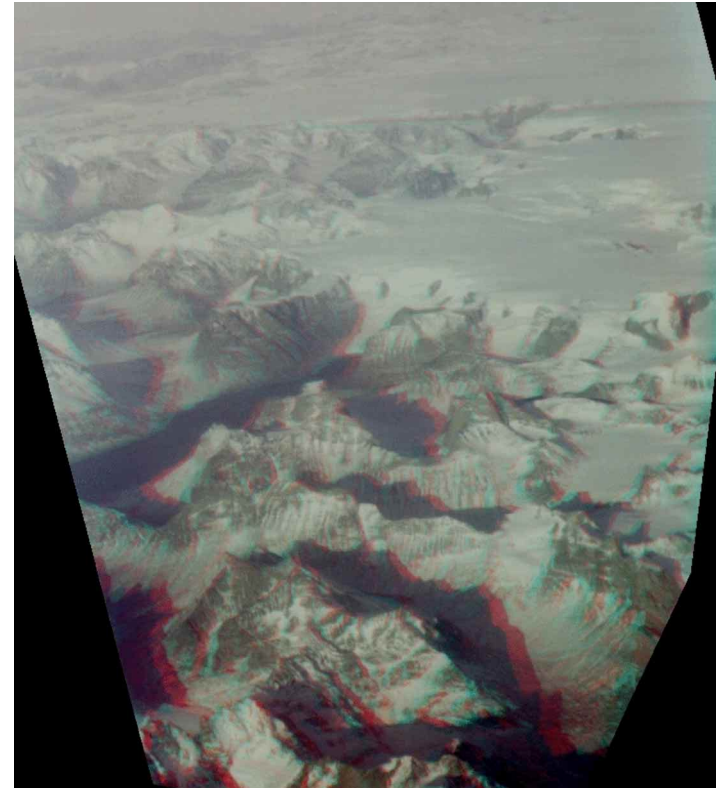
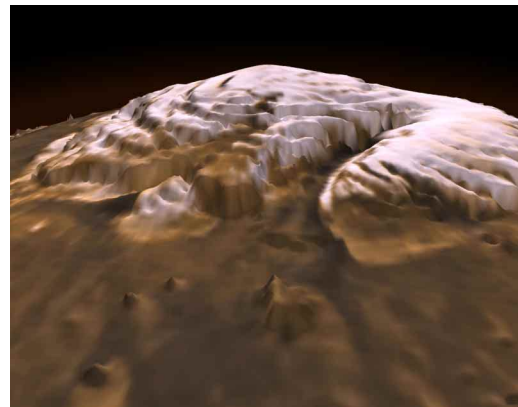
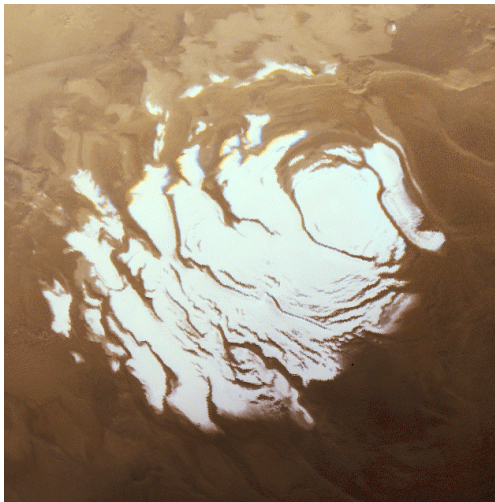
Greenland, Earth

Greenland is 2700 _ 1200 kilometers across and is the largest island in the world with an area of over 2 million square kilometers. Approximately 85% of Greenland is buried beneath a thick ice cap. This view, looking northwest, features the coastline at the southern tip of Greenland. Glaciers and ice streams flowing out from the ice cap have carved many valleys along the coast of Greenland. Greenland glaciers are the source for thousands of Atlantic icebergs, one of which was struck by the *Titanic* in 1912.

3-D Tour of the Solar System ©Lunar and Planetary Institute, 1997

North Polar Cap, Mars

This dramatic three-dimensional image of Mars' north pole is based on measurements made the Mars Orbiter Laser Altimeter (MOLA). MOLA flashed laser pulses toward



use 3-D glasses to view image

the martian surface from the *Global Surveyor* spacecraft and helped to create this map of Mars' north polar terrain. The ice cap is about 1200 kilometers across and 3 kilometers thick, and is cut by canyons up to 1 kilometer deep. The cap is composed primarily of water ice.

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