

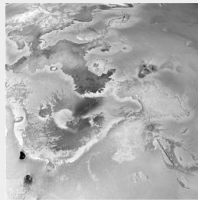
# IO



Find each of these features on the globe of Io. Match each to the photo below by filling in latitude and longitude:

example

Mulungu Patera



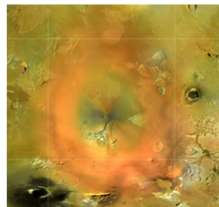
latitude 15°N longitude 220°

Loki Patera



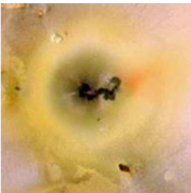
latitude 13°N longitude 309°

Pele



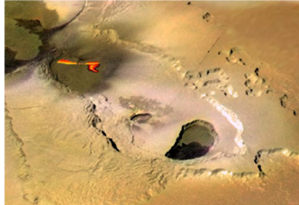
latitude 19°S longitude 255°

Prometheus



latitude 2°S longitude 154°

Tvashtar Paterae



latitude 63°N longitude 124°

To find out:

1. Use your measuring tape: How far is it from Loki Patera to Pele?
2. Now find a city the same distance from your home on Earth. (For example, the distance from San Diego to Los Angeles is 124 miles or 199 kilometers.)

To think about:

1. Which gives us information about the east/west position, latitude or longitude?
2. What is the name of the line at zero degrees latitude on Earth? Equator Longitude?
3. Which line is defined by people rather than by the Earth's position in space (tilt)? Prime Meridian longitude