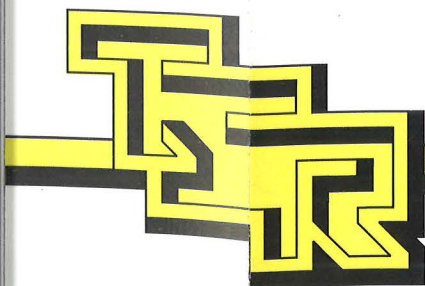


Distance and Scale

On this map of Earth, the surface of the sphere has been distorted for display as an ellipse. This is a view you would have if you were several thousand miles above the planet, looking down over the northern hemisphere, and you were able to see both sides of the planet at once. The map is roughly centered on the areas of Europe and Africa, to minimize distortion of land masses and place the distortions in the oceans. Due to this distortion, the map lacks a consistent scale for measuring distance. It is possible to calculate (or even simply estimate) distances utilizing latitude and longitude lines for references.

For north-south travel, the distance between two adjacent latitude lines is 1,037 miles. East-west measurements using the same methods are inexact, but the distances are not hard to calculate. Along the equator, the distance between two adjacent longitude lines is 1,037 miles. For every 15° north or south of the equator, the distance between lines reduces by one sixth. Calculations and some rounding of figures produces the following table:

N-S location	Distance between Longitude lines	N-S location	Distance between Longitude lines
0°	1037 miles	45°	518 miles
15°	867 miles	60°	348 miles
30°	687 miles	75°	173 miles



TM

Earth

●
Class A Port

●
Class B Port

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Key

