

How to describe your position anywhere in the world...



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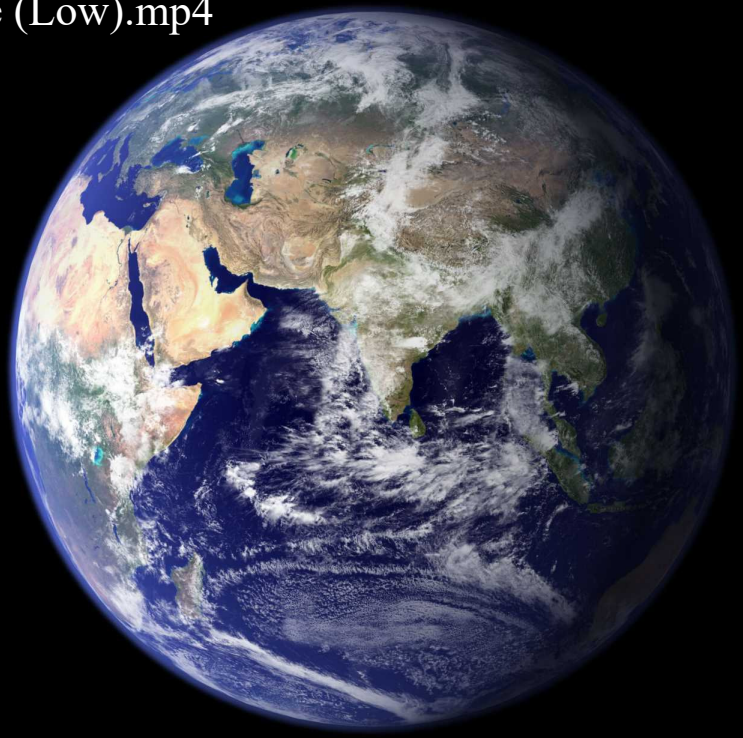
...using latitude and longitude.

Latitude and Longitude intro.mp4



https://www.youtube.com/watch?v=cKT16DjHo_8

Latitude and Longitude (Low).mp4

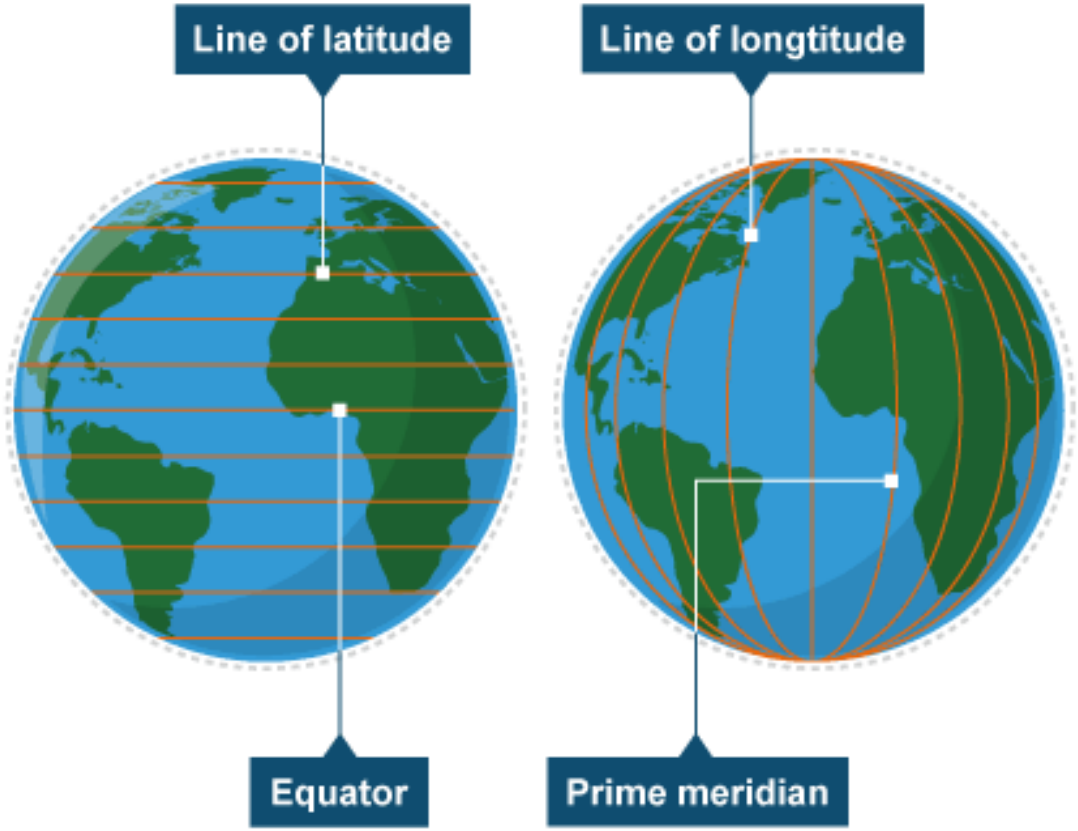


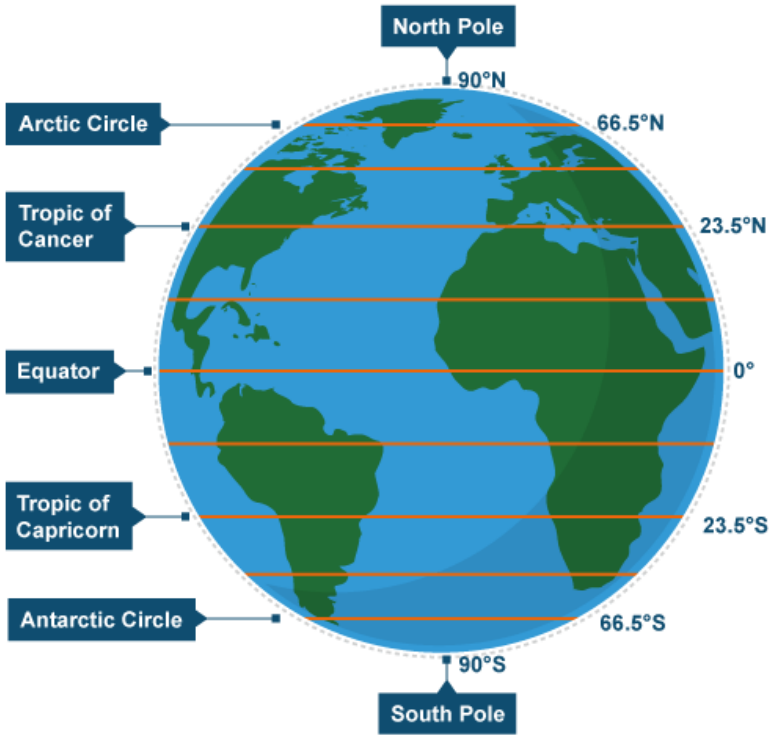
https://www.youtube.com/watch?v=swKBi6hHHMA



The earth can be divided into an imaginary map grid.




Line of latitude
Line of longtitude
Equator
Prime meridian



Lines of latitude are parallel.

They are called parallels!

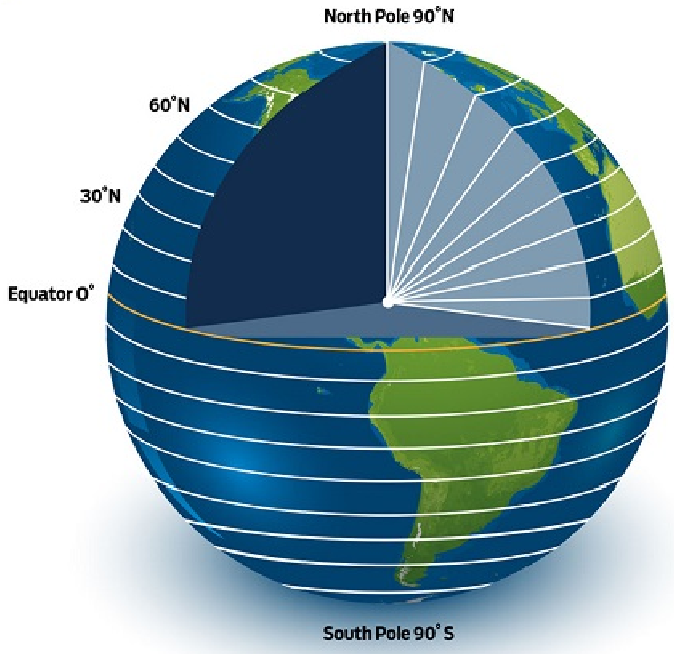
0° is the equator.

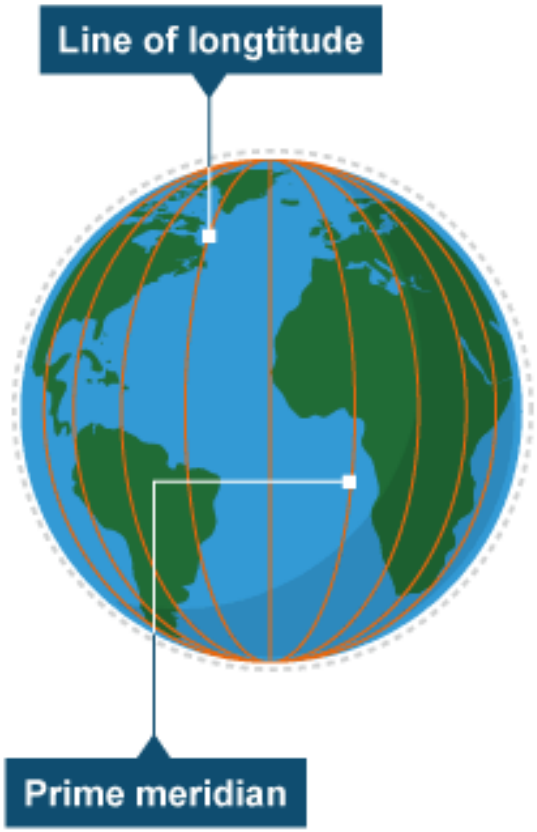
All other lines are measured in degrees north or south of the equator.

1 degree is about 69 miles (about 112km).

Degrees can be divided into 60 minutes.

Minutes can be divided into 60 seconds (each second is about 30 metres)


North Pole 90°N
60°N
30°N
Equator 0°
South Pole 90° S



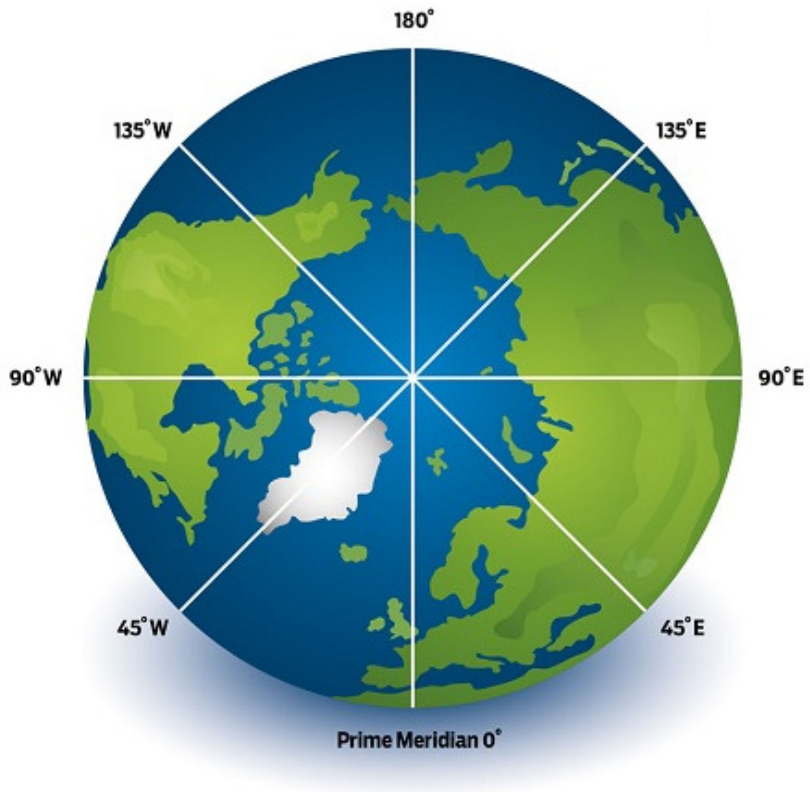
Lines of longitude atitude are not parallel.

They are called meridians.

0^{o} (the Prime Meridian) passes through Greenwich in London.

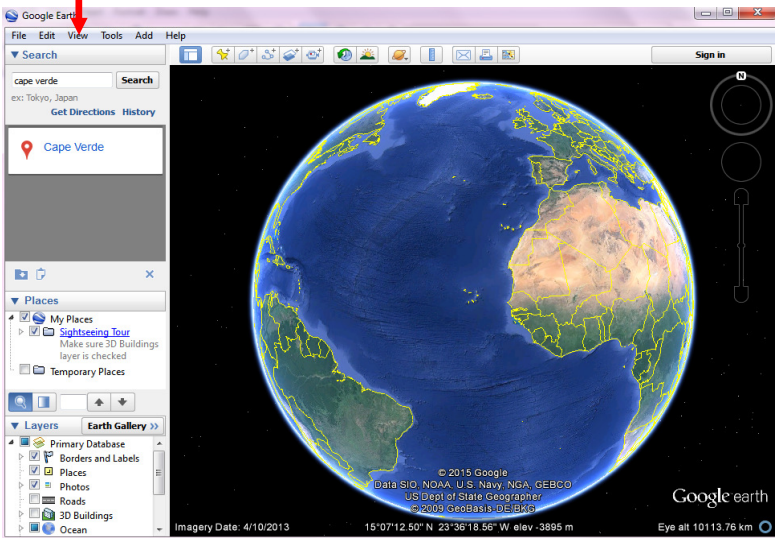
All other lines are measured in degrees east or west of the Prime Meridian.

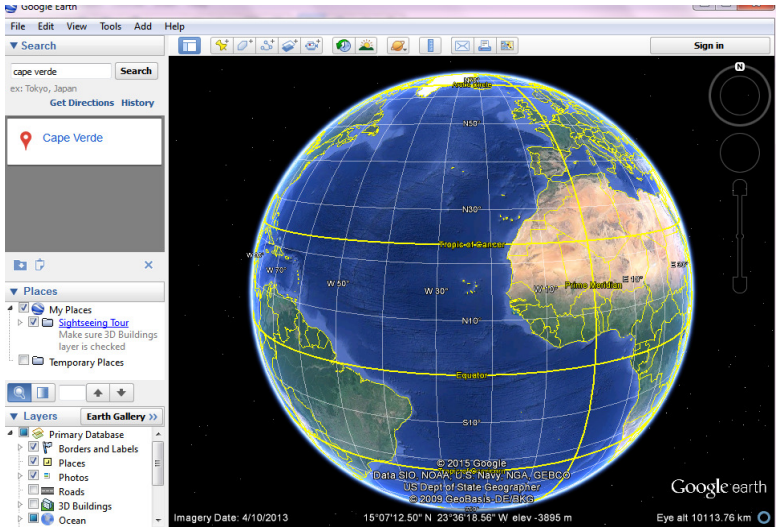


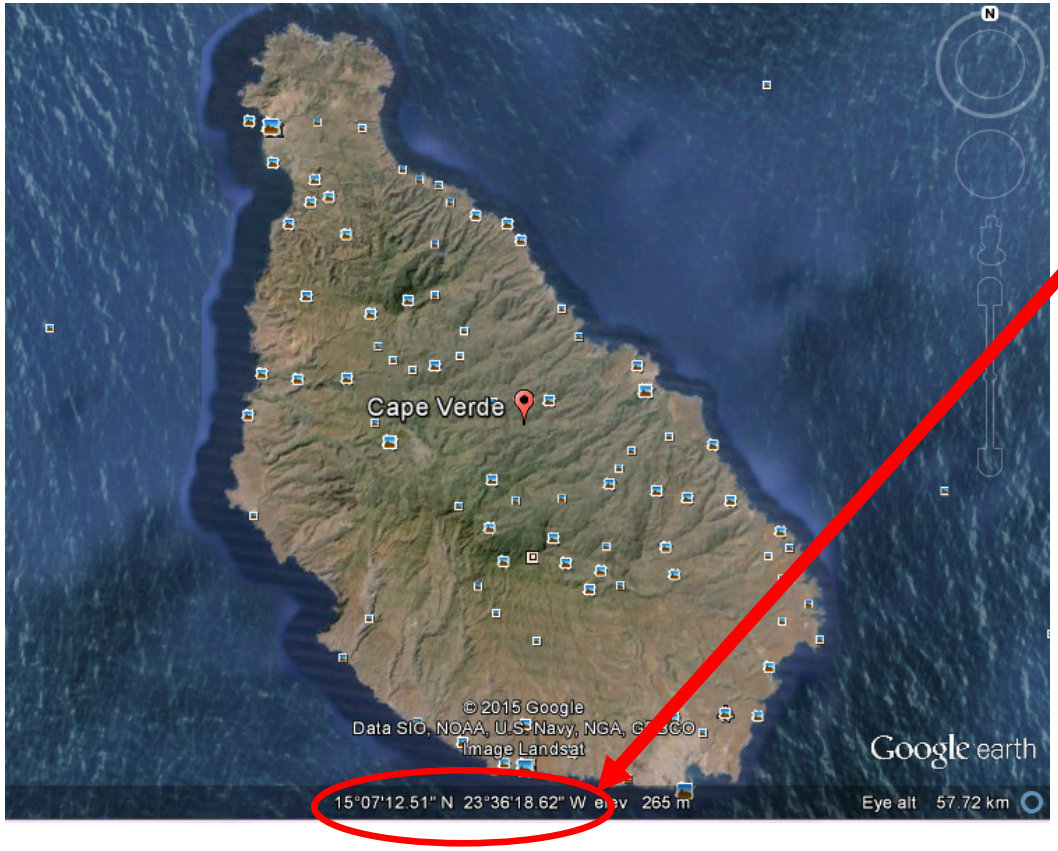

180°
135°W
135°E
90°W
90°E
45°W
45°E
Prime Meridian 0°

Open google earth:

View menu - Click *grid* to show longitude and latitude







Latitude and longitude for where the cursor is pointing are given at the bottom of the screen.

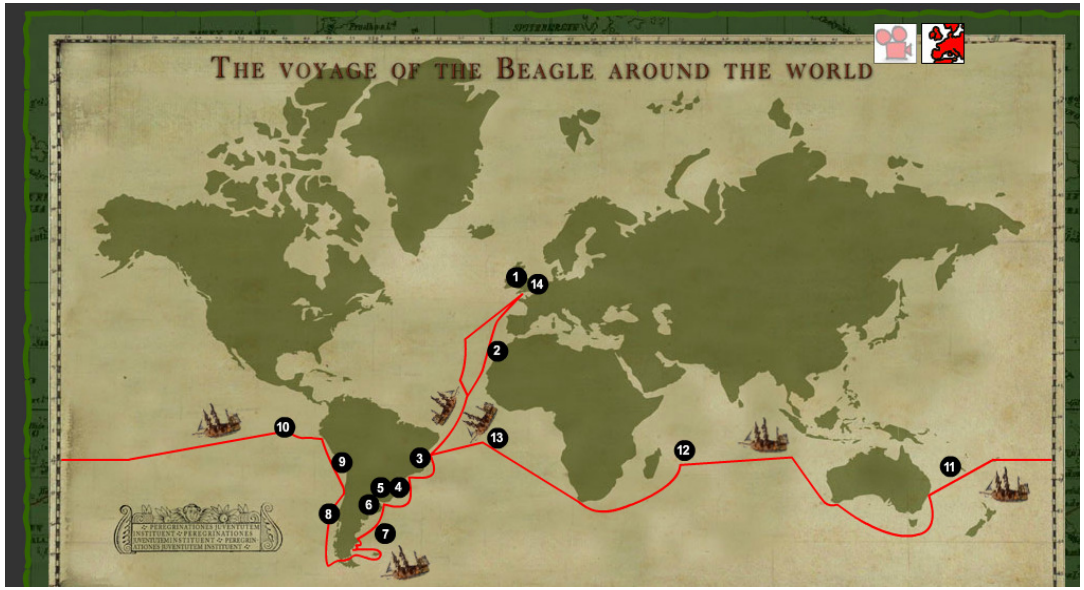
To the nearest minute, the longitude and latitude is:

15° 07' N 23° 36' W

Latitude is always given first ... the opposite to normal map references!

Can you find the latitude and longitude of the following places on Darwin's voyage:

Plymouth
Cape Verde Islands
Rio de Janeiro
Buenos Aires
Tierra del Fuego
Falkland Islands
Chile
Galapagos Islands



Longitude and Latitude song (Low).mp4