



# CENTROID COORDINATES Job Aid

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Operation *ACCESS!* administration will create a map of every sector surveyed during this project. To assist us in producing these maps, as well as to ensure that each sector is clearly identifiable, you need to establish centroid coordinates for each sector.

## What Are Centroid Coordinates?

If you are a pilot, you are already familiar with longitude and latitude coordinates. Centroid coordinates are nothing more than the center point of a sector expressed in longitudinal and latitudinal degrees.

**LATITUDE** lines, or **PARALLELS**, run horizontally on the map and measure in degrees and minutes a location north or south of the Equator.

**LONGITUDE** lines, or **MERIDIANS**, run top to bottom on the map and measure in degrees and minutes a location east or west of the prime meridian (0 degree, Greenwich Mean Time).

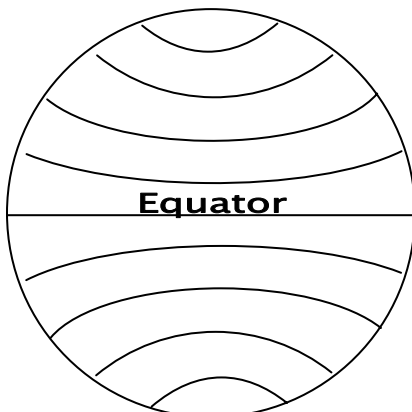
## Determining Centroid Coordinates

1. On your map, locate the approximate center of the sector.
2. Locate the **LATITUDE** degree at that center point and mark the letter “N” or “S” to indicate if north or south of the Equator. Then, locate the **LONGITUDE** degree at that same center point and mark the letter “E” or “W” to indicate if east or west of the prime meridian (Greenwich Mean Time). Both sets of coordinates are printed on the perimeter of your aviation (ONC) maps.
3. Where the longitude and latitude degrees intersect are your centroid coordinates.

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### LATITUDE (parallels)

Indicates location north or south of the Equator. Latitude lines run horizontally east to west, or left to right on the map.



### LONGITUDE (meridians)

Indicates location east or west of the prime meridian (0 degree, Greenwich Mean Time). Longitude lines run vertically north to south, or top to bottom on the map.

