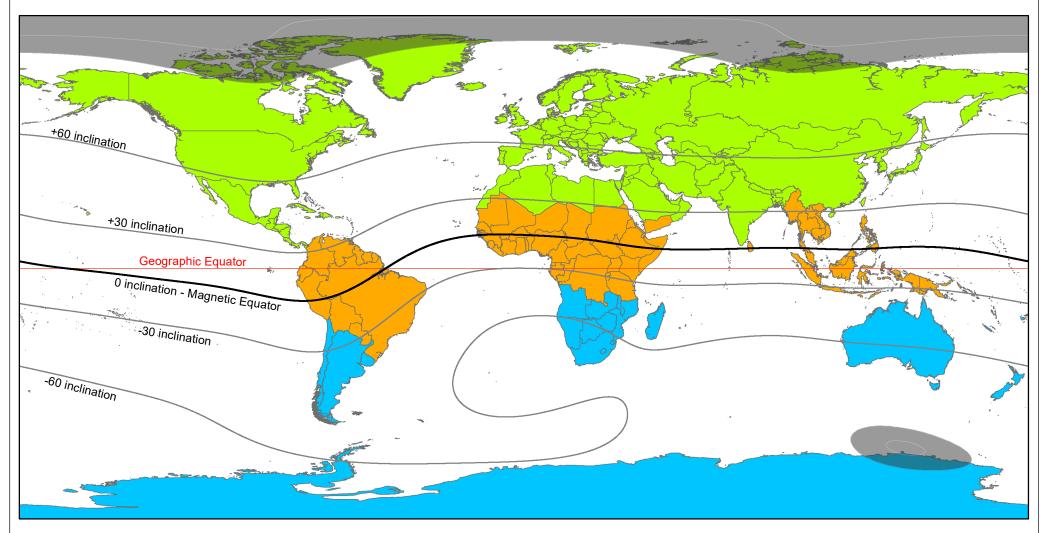
OmniSight and GeoLite Magnetic Zones





Magnetic Field Inclination

In the Northern Magnetic Hemisphere, N-seeking needle points down into surface

In the Southern Magnetic Hemisphere, N-seeking needle points up away from surface

At the Magnetic Equator, needle is parallel to Earth's surface

Inclination contours are from the World Magnetic Model 2020 from https://www.ngdc.noaa.gov/geomag/ WMM/DoDWMM.shtml

Mercator Map Projection - Created in March 2022

OmniSight and GeoLite Magnetic Zones

Northern Hemisphere Needle - ideal north of +30 inclination, functional down to 0

Equatorial Needle - ideal between +30 and -30, functional between +60 and -60

Equatorial Needle - Ideal between +30 and -30, functional between +60 and -60

Southern Hemisphere Needle - ideal south of -30 inclination, functional up to O

Black Out Zones - magnetic compass needles lose functionality