



Circumpolar Stars

Some stars never set, others never rise



Declination of the zenith equals your latitude

Stars between the celestial equator and the Zenith are above the horizon for more than 12 hours.

Stars on the celestial equator are above the horizon for 12 hours.

Stars between the celestial equator and the declination at geographic south are above the horizon for less than 12 hours.

Stars farther south than "90° minus your latitude" are circumpolar south and never rise.

Stars farther north than your latitude (i.e., zenith declination) are circumpolar north and never set.

Polaris' altitude in degrees equals your latitude

