NCP: North Celestial Pole  
CE: Celestial Equator  
Zenith distance(obj) + Altitude(obj) = 90°

Latitude = declination + zenith distance*

*zenith distance is measured positive toward south and negative toward north.

### Scene | Latitude | Declination | Zenith Dist.
--- | --- | --- | ---
Arcturus | 58° | 19° | 39°
Spica | 58° | -12° | 69°
Kochab | 58° | 74° | -16°
Saturn | 43° | 20° | 23°
Betelgeuse | -20° | 7° | -27°