$\qquad$
Changes in Latitude, Changes in Altitude


Observers on Earth see the sky "tilted" according to their latitude.

## ALTITUDE OF CELESTIAL POLE = OBSERVER'S LATITUDE <br> ALTITUDE OF CELESTIAL EQUATOR =900 - OBSERVER'S LATITUDE

Using these facts, complete the following table:

| LATITUDE | ALTITUDE OF <br> NORTH CELESTIAL POLE | ALTITUDE OF <br> CELESTIAL EQUATOR |
| :---: | :---: | :---: |
| $0^{\circ} \mathrm{N}$ |  |  |
| $90^{\circ} \mathrm{N}$ |  |  |
| $45^{\circ} \mathrm{N}$ | $40^{\circ}$ | $30^{\circ}$ |
|  |  |  |
| $20^{\circ} \mathrm{N}$ | $23.5^{\circ}$ |  |
|  |  | $10^{\circ}$ |



Altitude of NCP:
Altitude of CE:
Observer's Latitude:


Altitude of NCP:
Altitude of CE:
Observer's Latitude:


Altitude of NCP:
Altitude of CE:
Observer's Latitude:


Altitude of SCP:
Altitude of CE:
Observer's Latitude:

