

Exosphere

400

300

Thermosphere

Altitude (km)

200

Mesosphere

100

Stratosphere

Troposphere

0



Aurora

Air Glow



Noctilucent Clouds
(Polar Mesospheric Clouds)

Nacreous Clouds
(Polar Stratospheric Clouds)

Radiosonde

Lidar

Radar

Optical

Ground-Based Instrumentation

Ionosphere

F2

F1

E

D

L_a

Extreme Ultraviolet

Far Ultraviolet

Mild Ultraviolet

Visible light rays

Infrared rays

X rays

10⁴ 10⁵ 10⁶

Electron Density
(#/cm³)