



Gamma rays, X-rays and ultraviolet light blocked by the upper atmosphere (best observed from space).

Visible light observable from Earth, with some atmospheric distortion.

Most of the infrared spectrum absorbed by atmospheric gasses (best observed from space).

Radio waves observable from Earth.

Long-wavelength radio waves blocked.

Atmospheric opacity

100 %
50 %
0 %

0.1 nm 1 nm 10 nm 100 nm 1 μ m 10 μ m 100 μ m 1 mm 1 cm 10 cm 1 m 10 m 100 m 1 km

Wavelength

