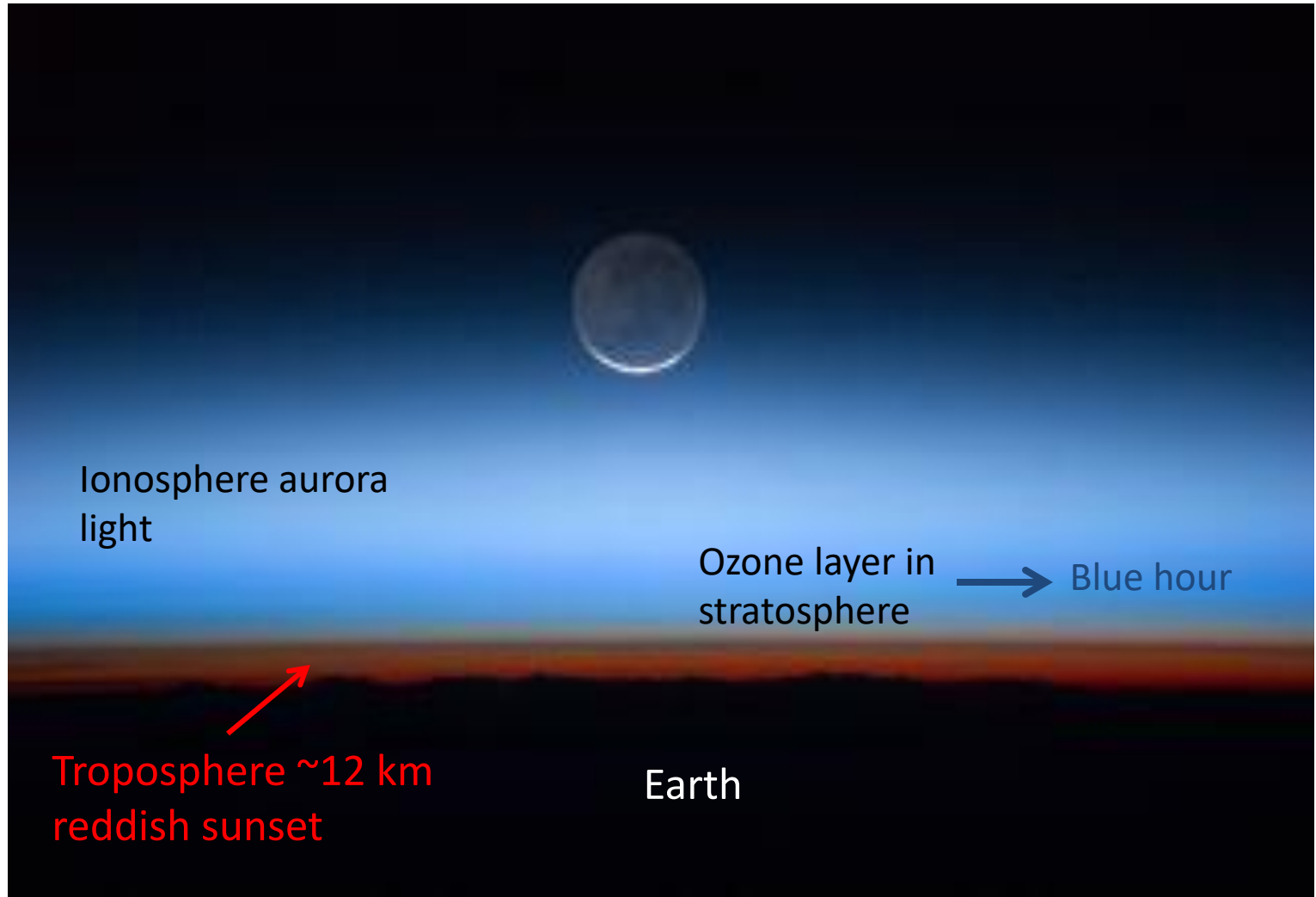


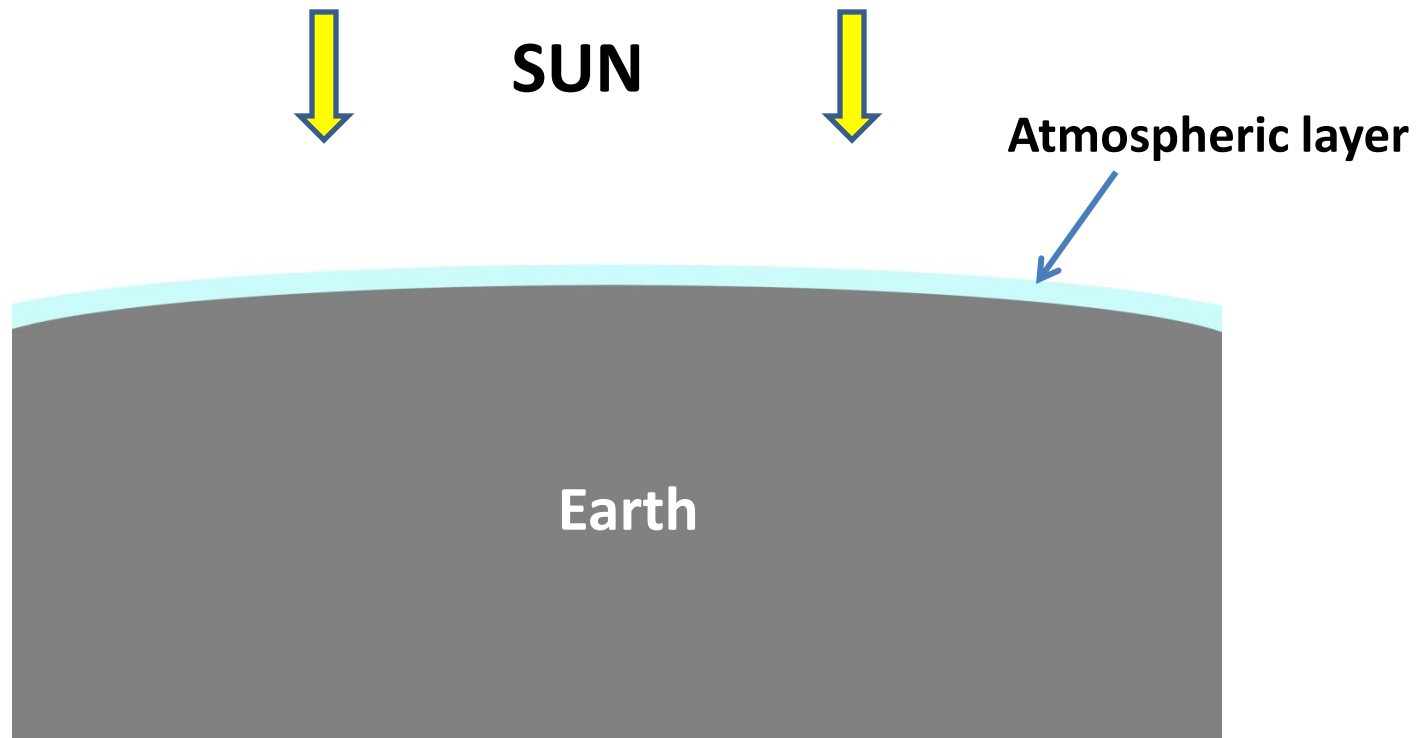
# Colors of the sky – Why?

The light in the sky is due to the scattering of the sunlight by the atmosphere. Without the atmosphere the sky would be black!

# Earth's Atmospheric Layers

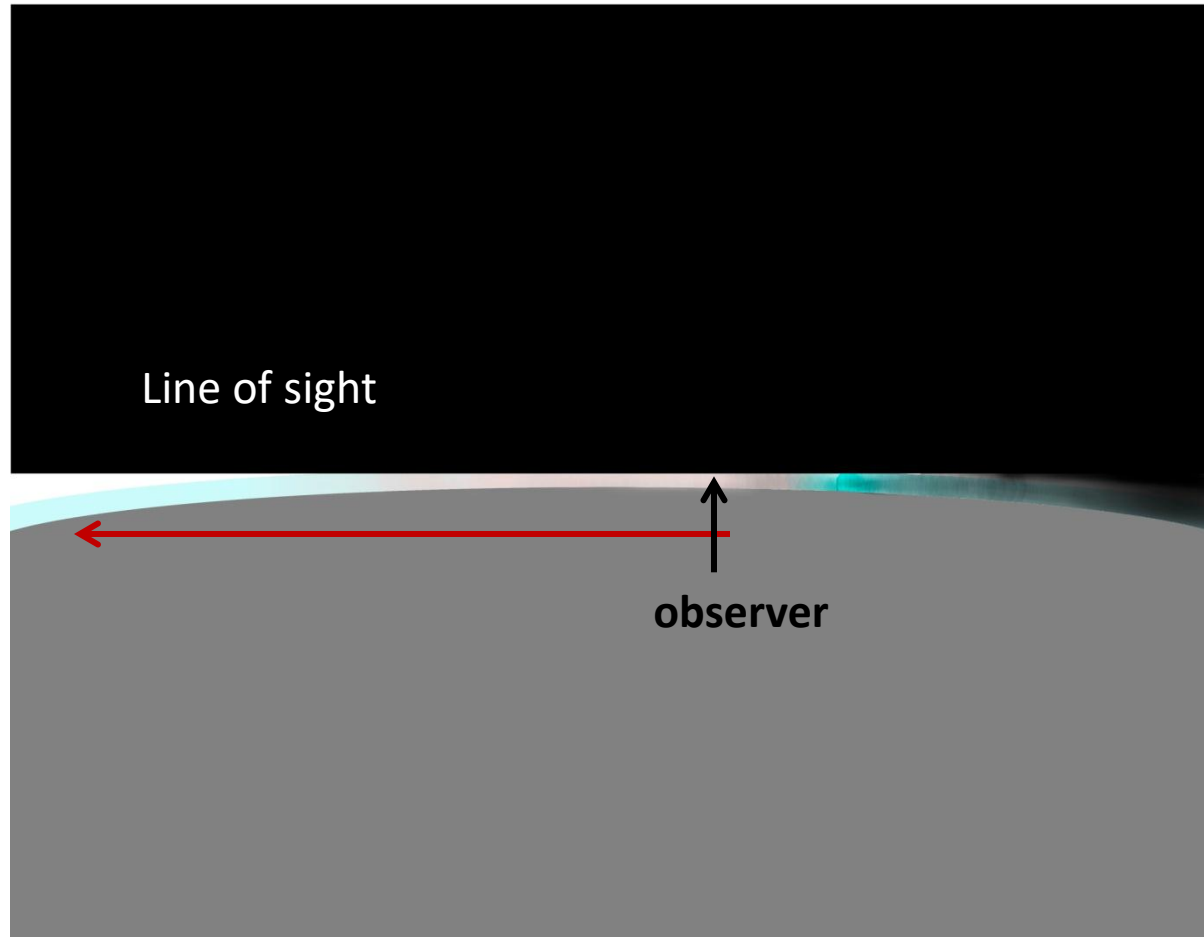


# Why overhead sky is blue



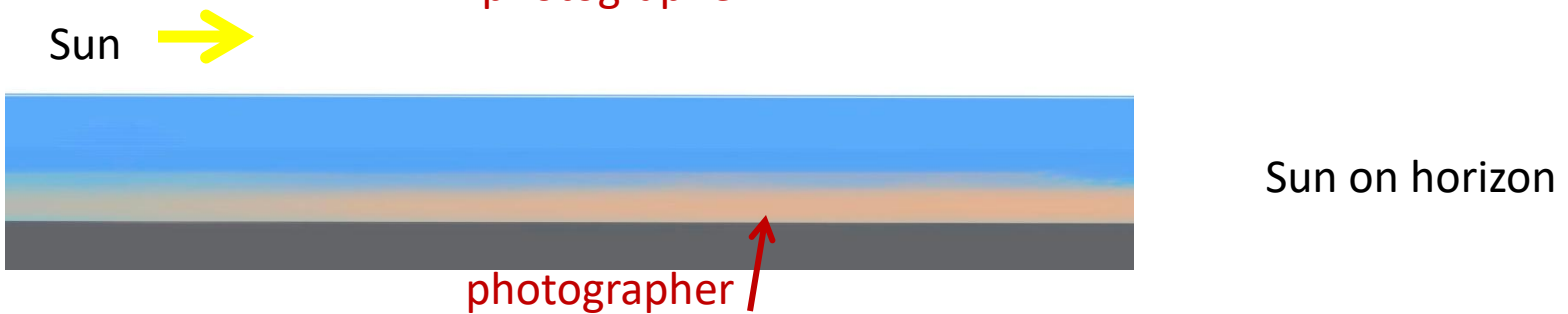
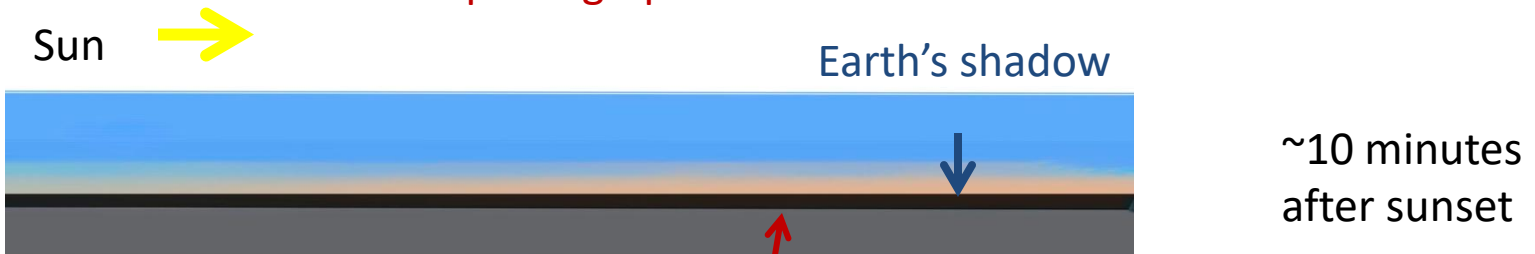
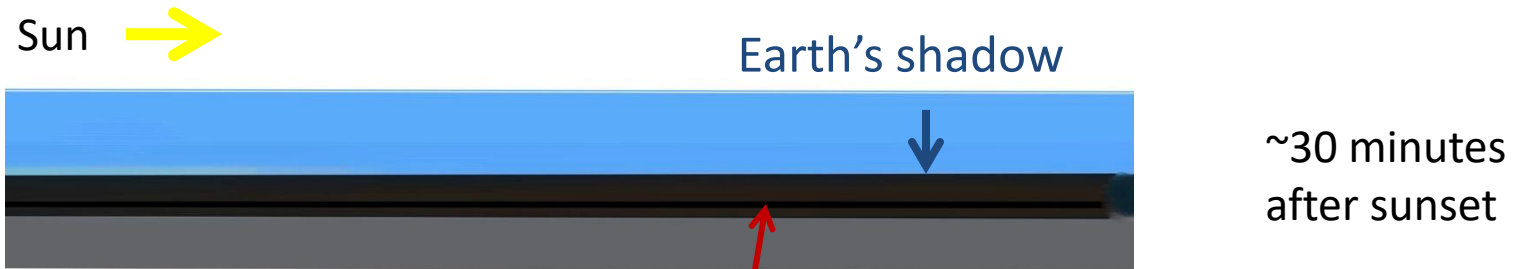
Overhead sky blue – blue light scatters 4X stronger than red

# Why the sunset is red



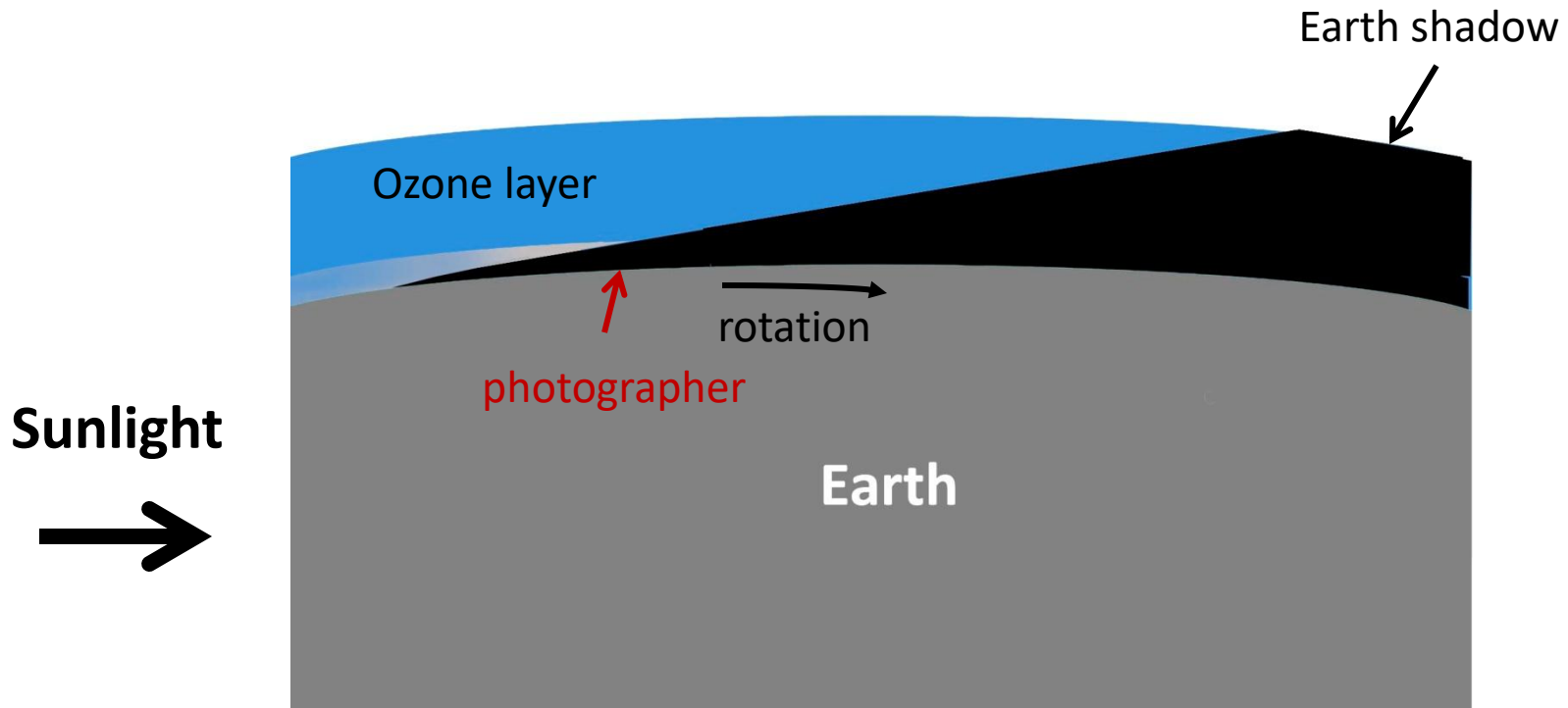
Sunlight has long path length – blue light scatters first leaving red sunset

# Blue hour - Progression of Earth's Shadow



~30 minutes after sunset, only the ozone layer is illuminated. The absorption of the red light leaves the blue light.

# Blue Hour



Photographer looking east only sees blue of the ozone layer