Solar zenith angle effect on solar radiation.

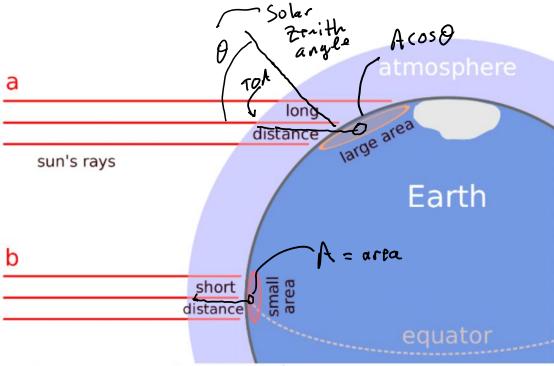


Image 1: Insolation variability with latitude (Image credit: Peter Halasz 'Oblique rays' (via wiki commons))

Earth's orbit is an ellipse rather than a circle

