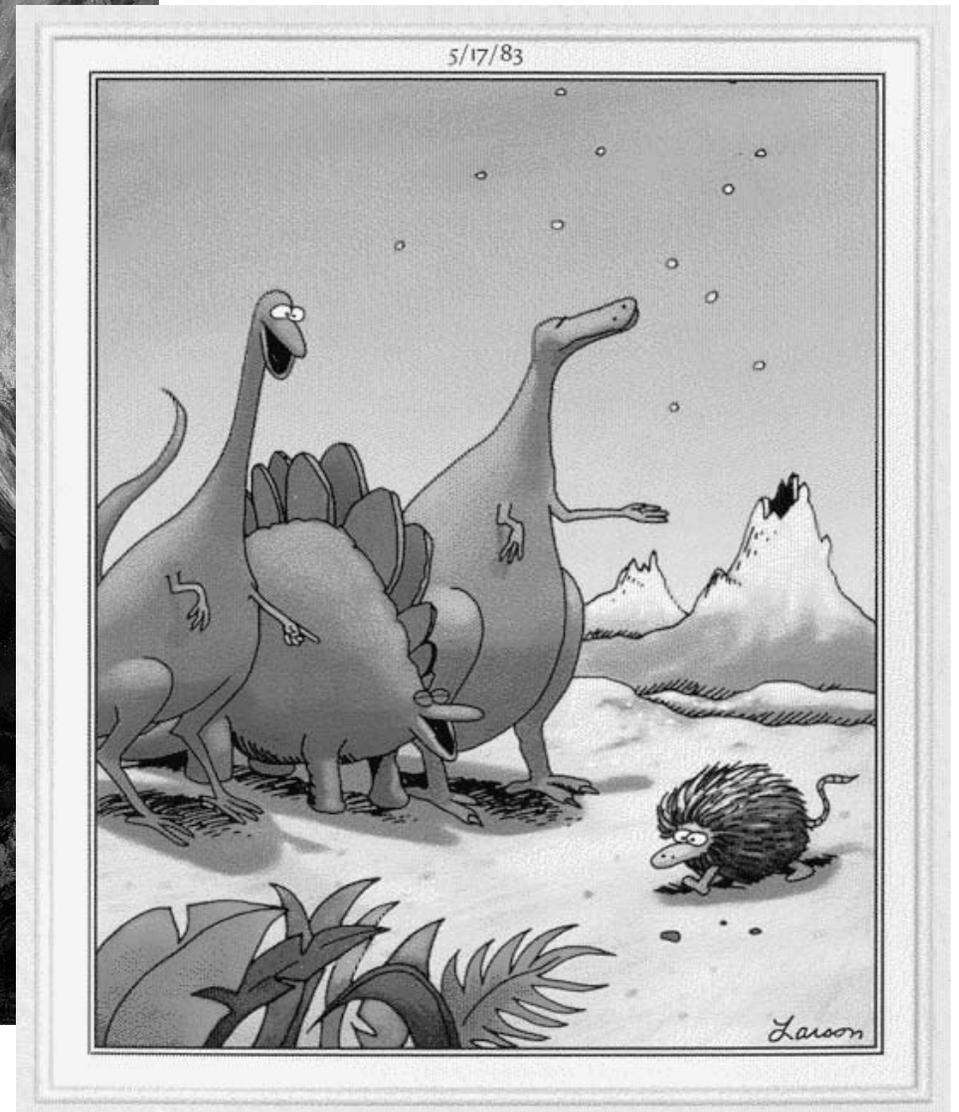
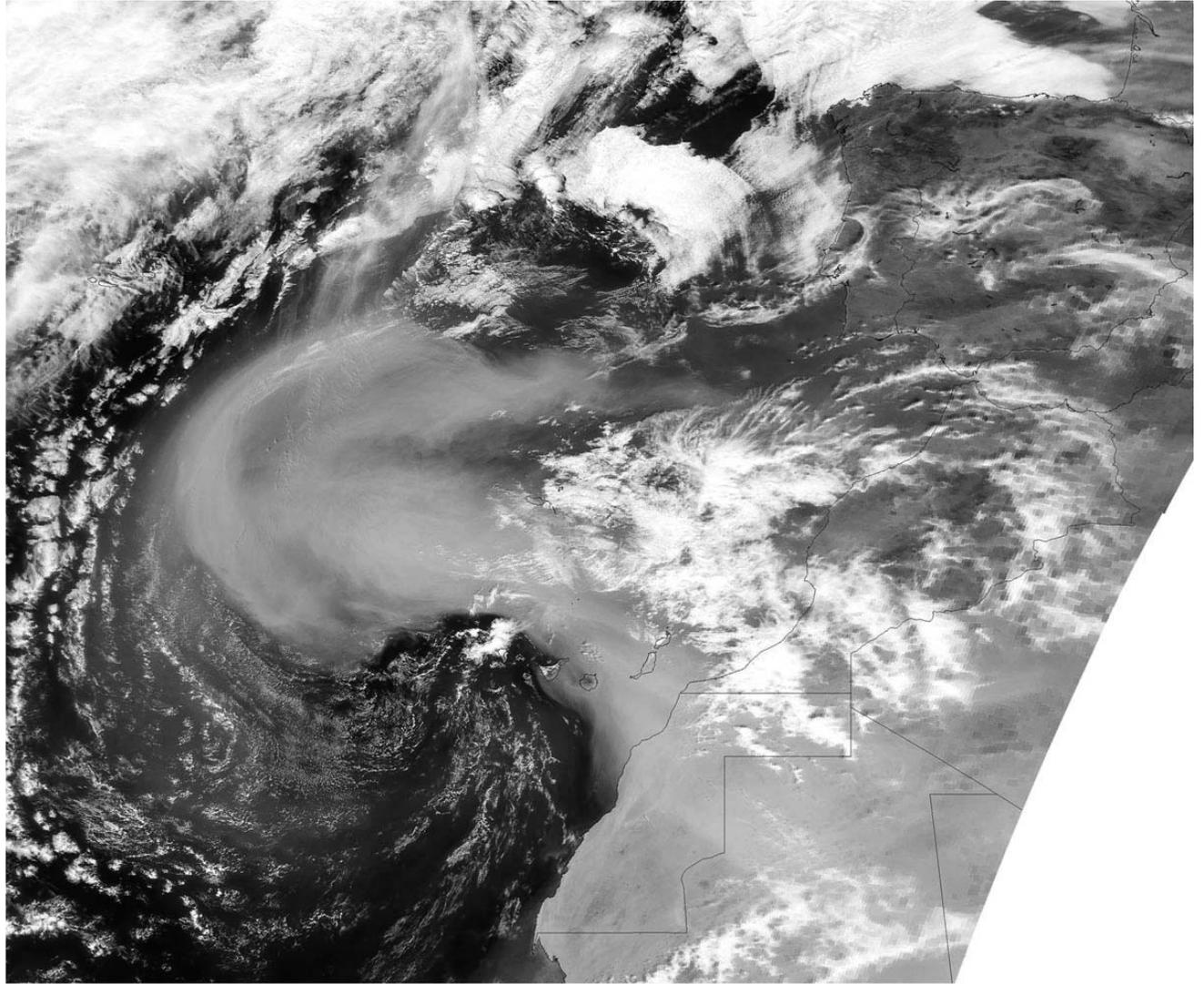
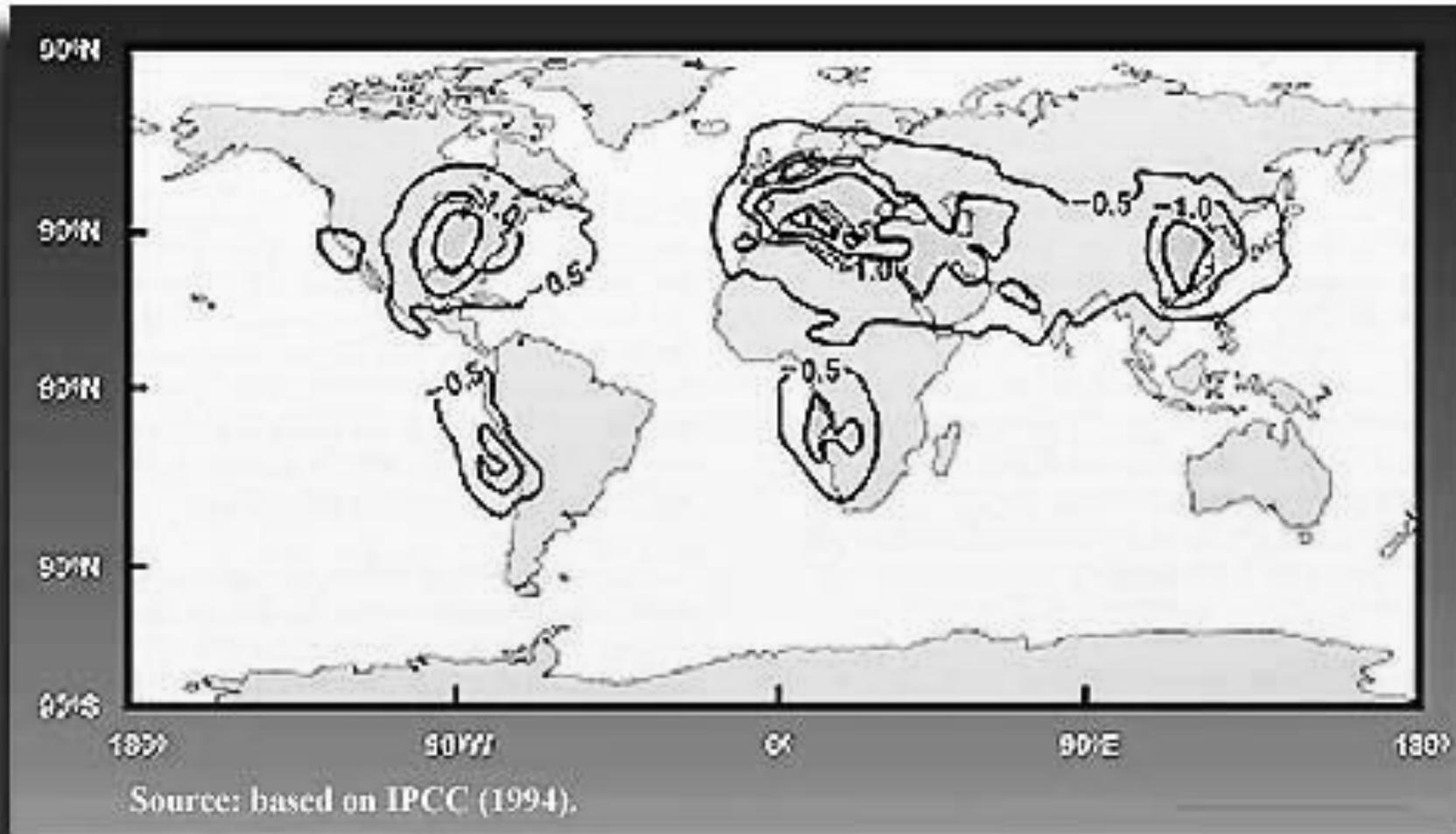


Triggering Climate Change



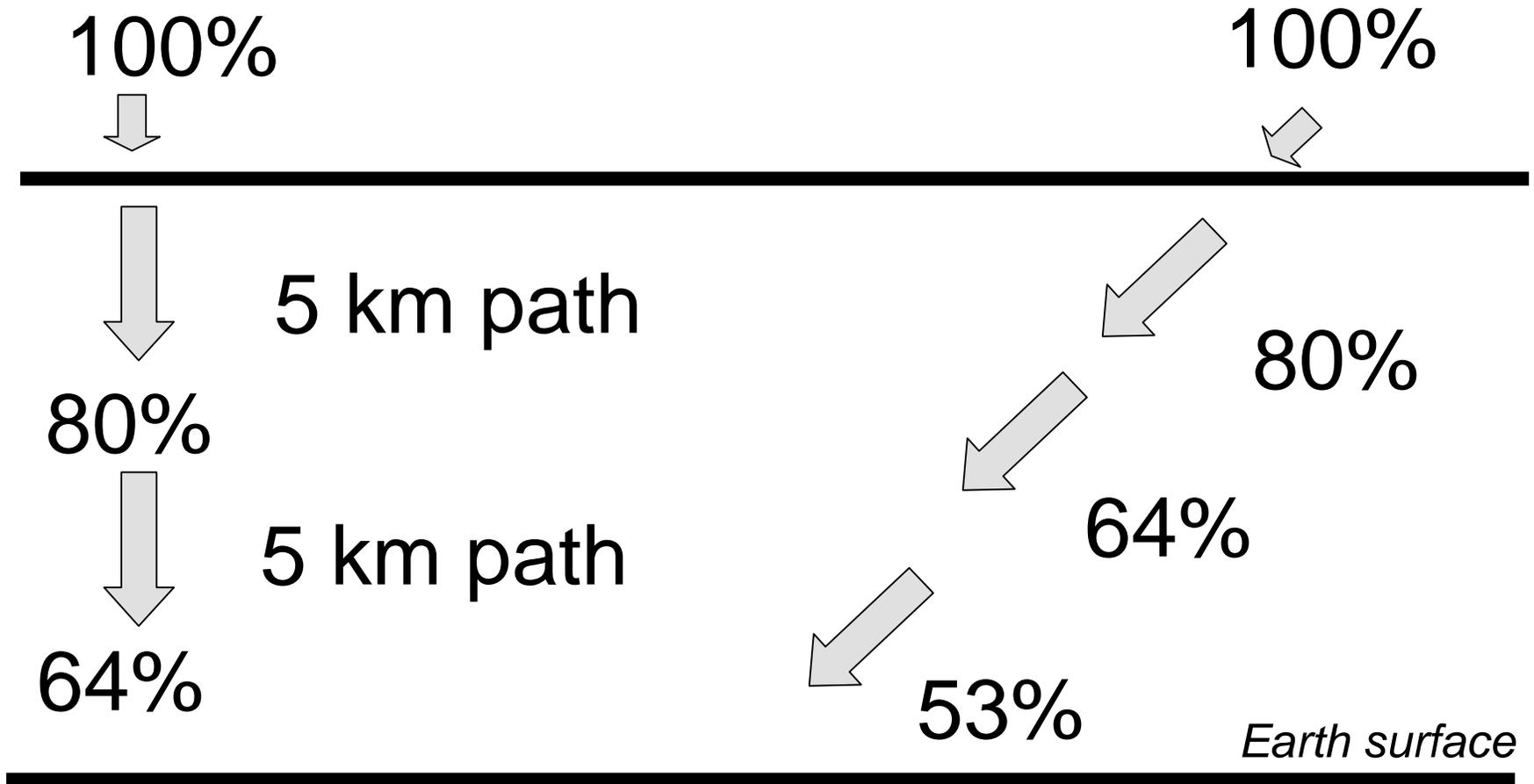


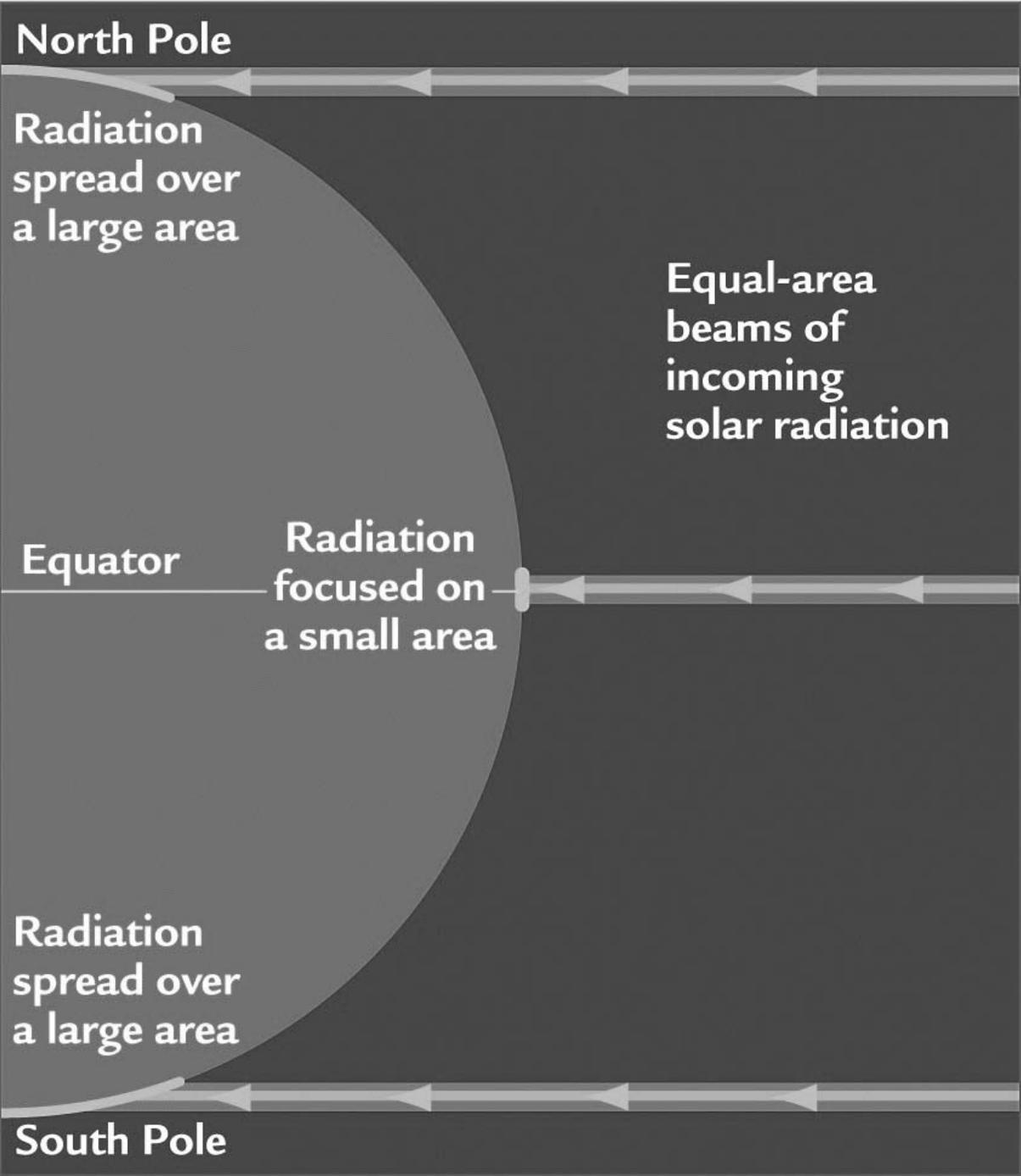
SeaWiFS Captures Massive Dust Storm February 26, 2000 SeaWiFS Project/ORBIMAGE



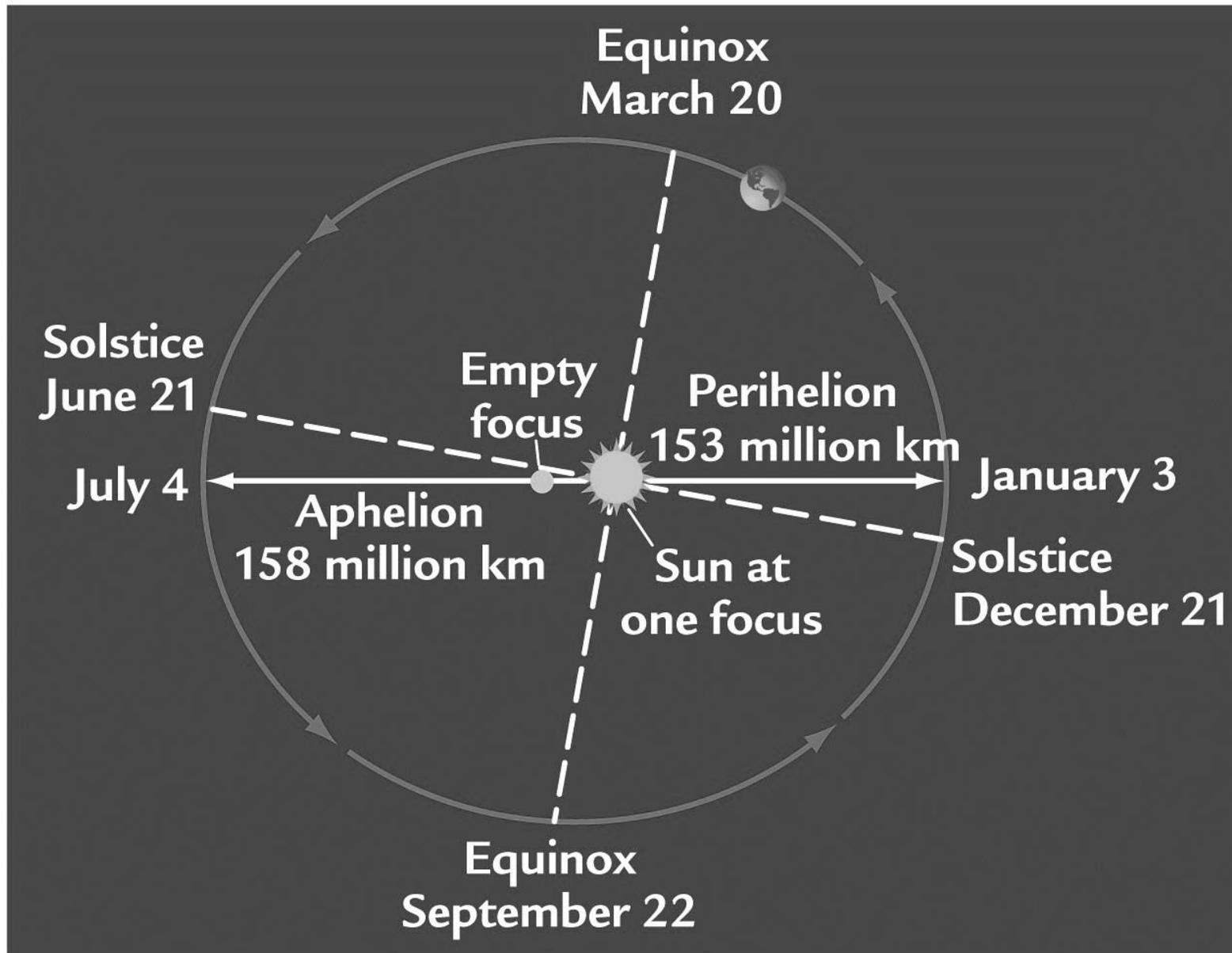
Radiative forcing in July ($W m^{-2}$), preindustrial to present

Earth-Sun Geometry: Solar Input

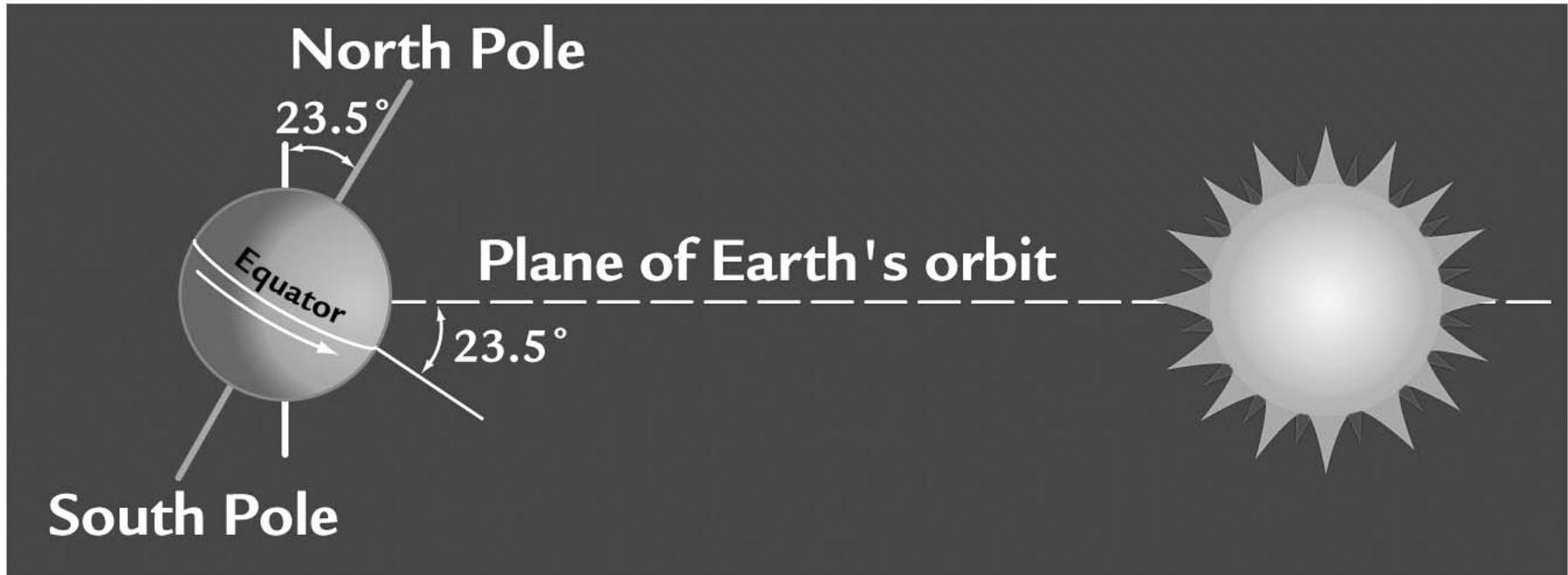


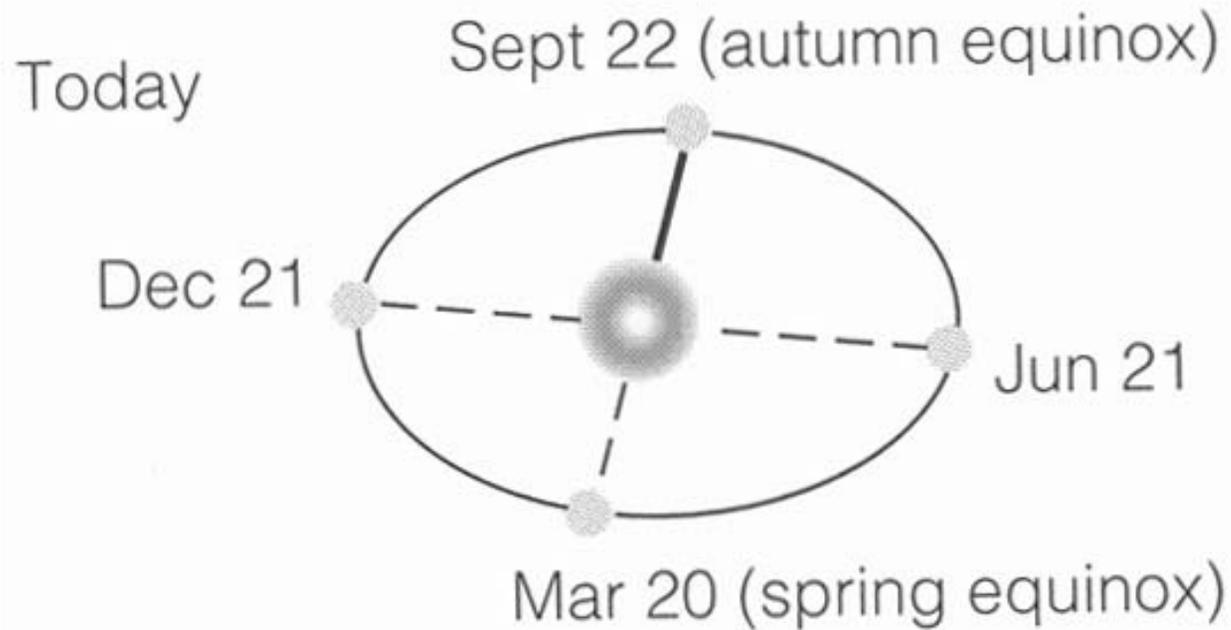
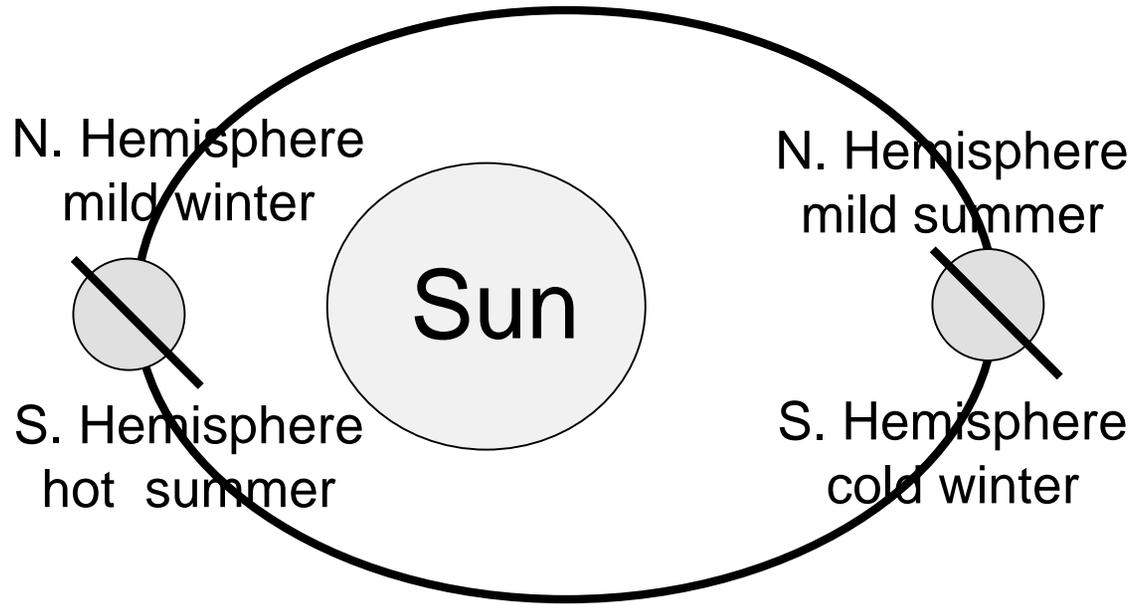


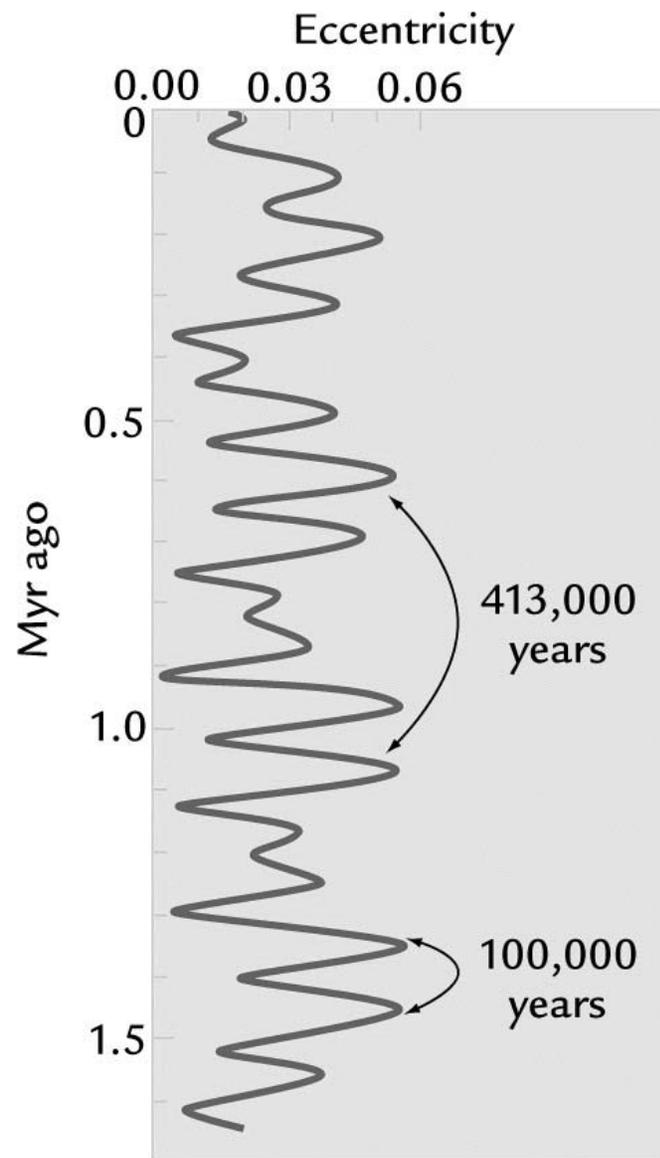
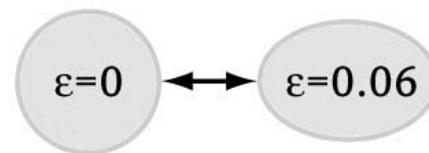
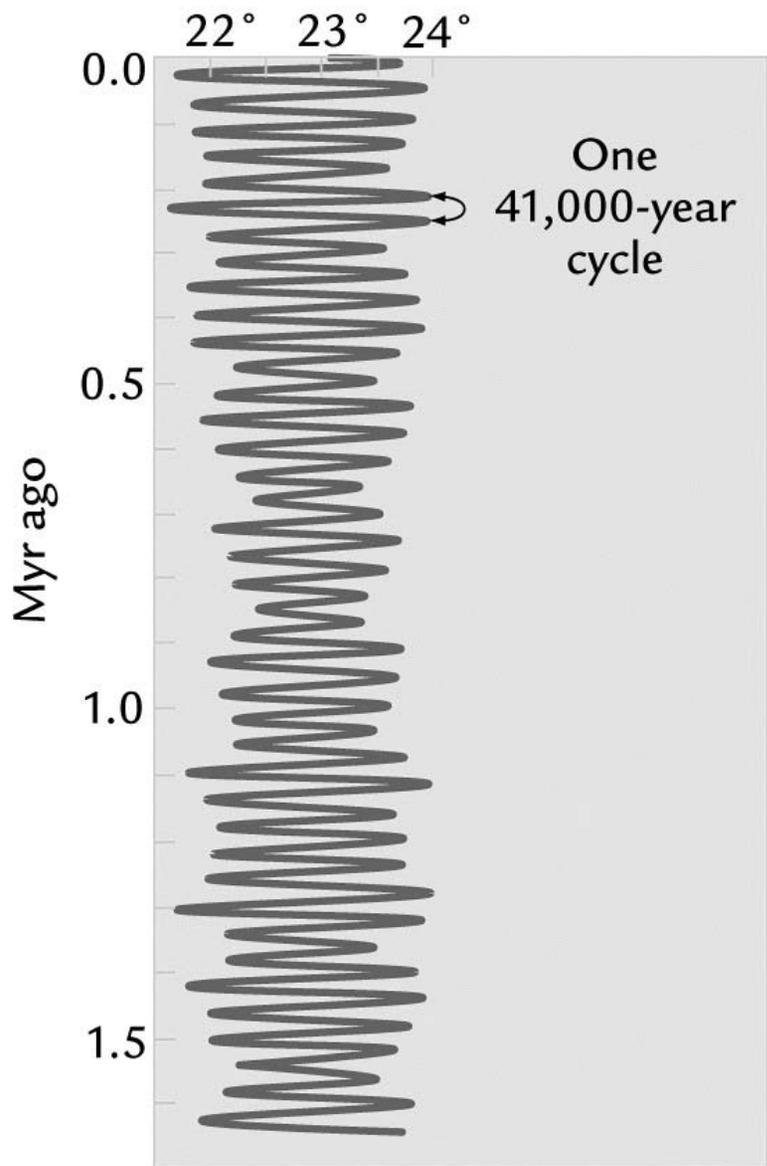
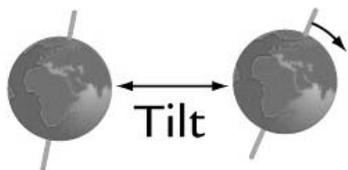
Eccentricity



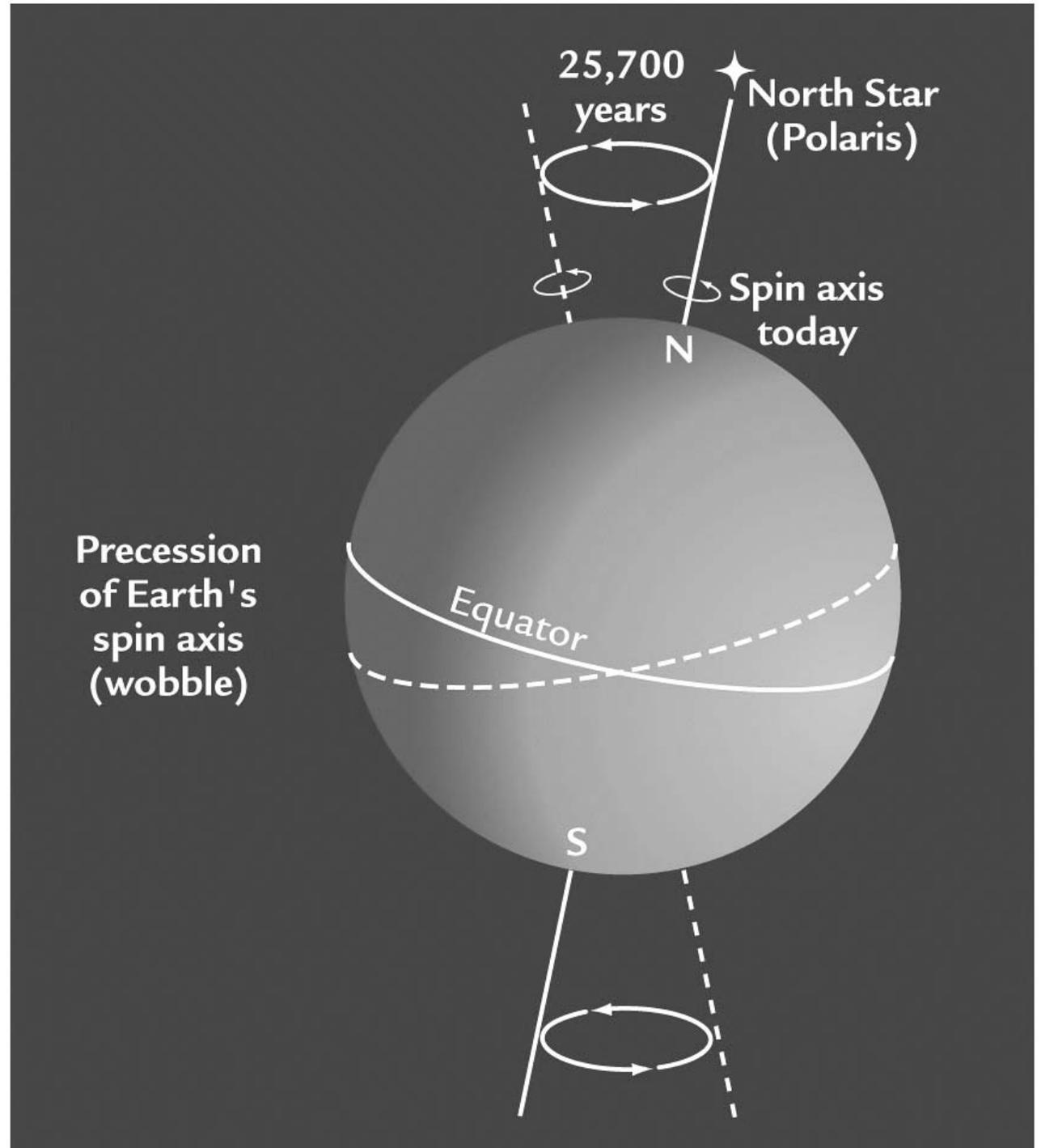
Tilt of Earth's Spin Axis



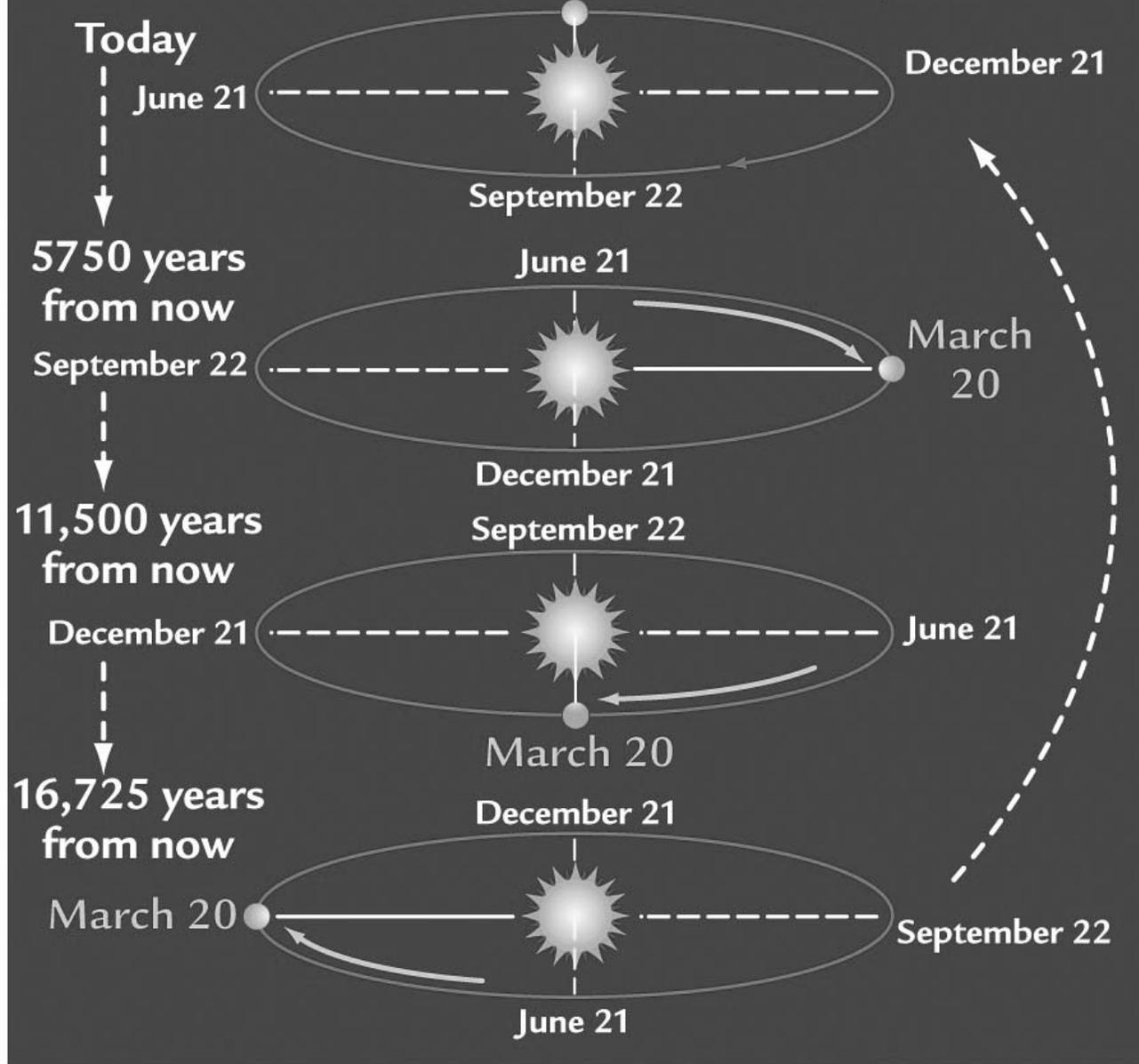


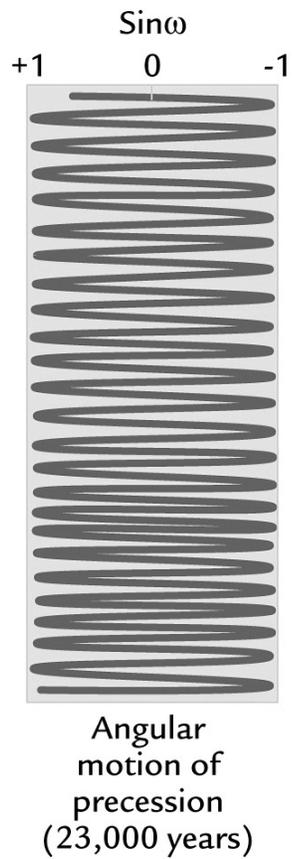


Precession

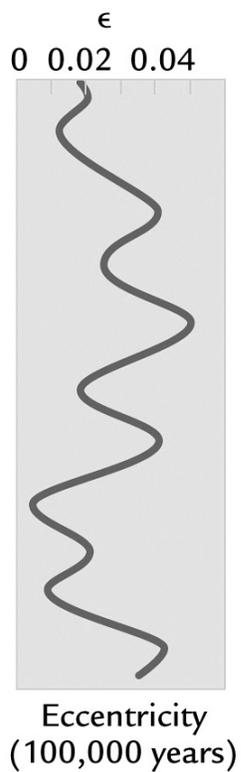


Return to modern position after 23,000 years

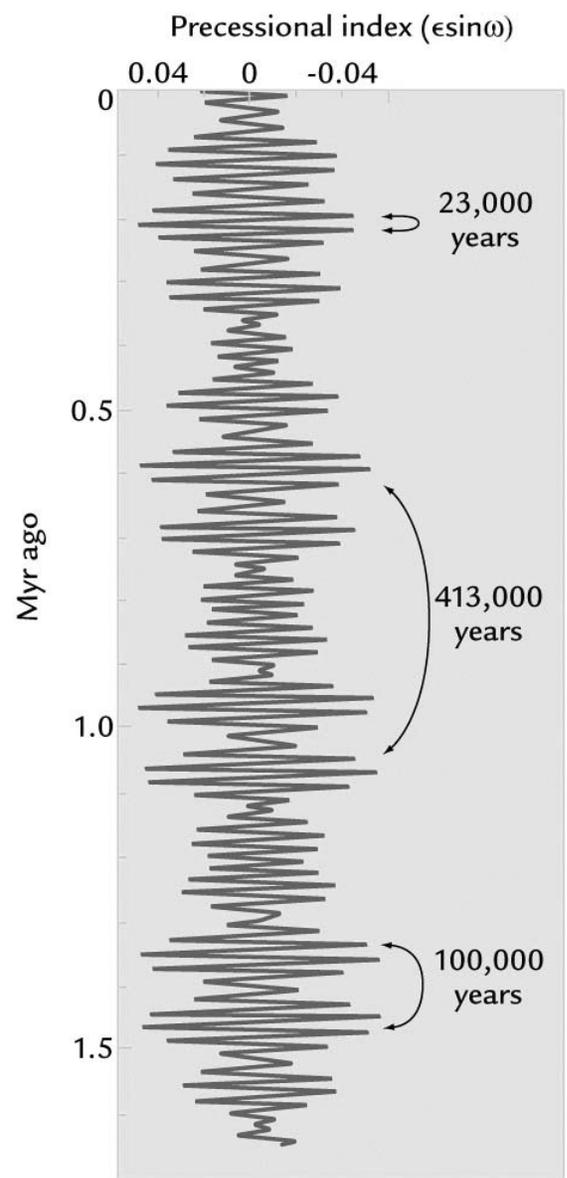
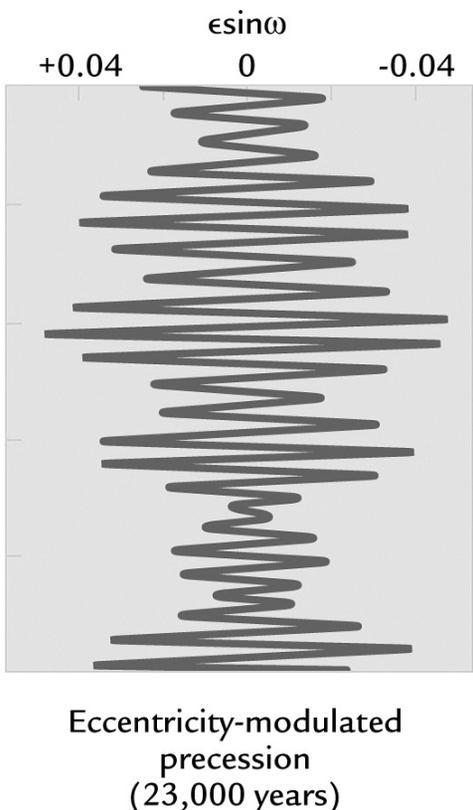


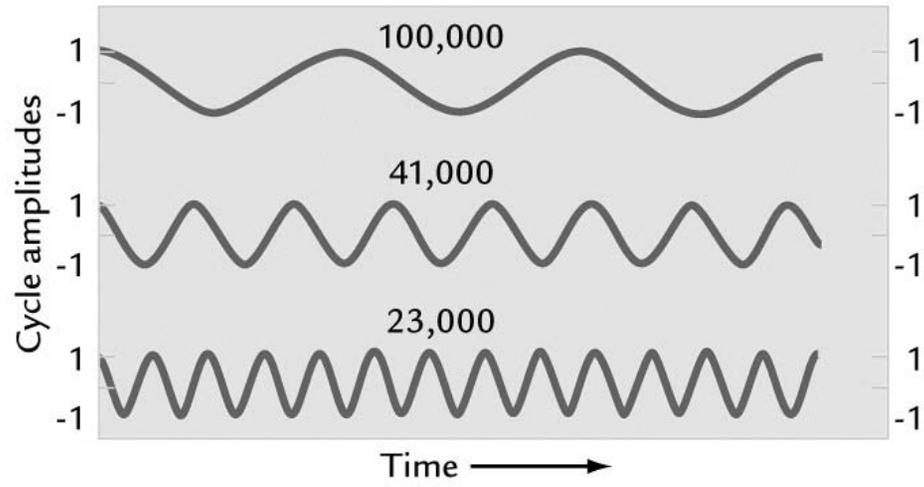


x

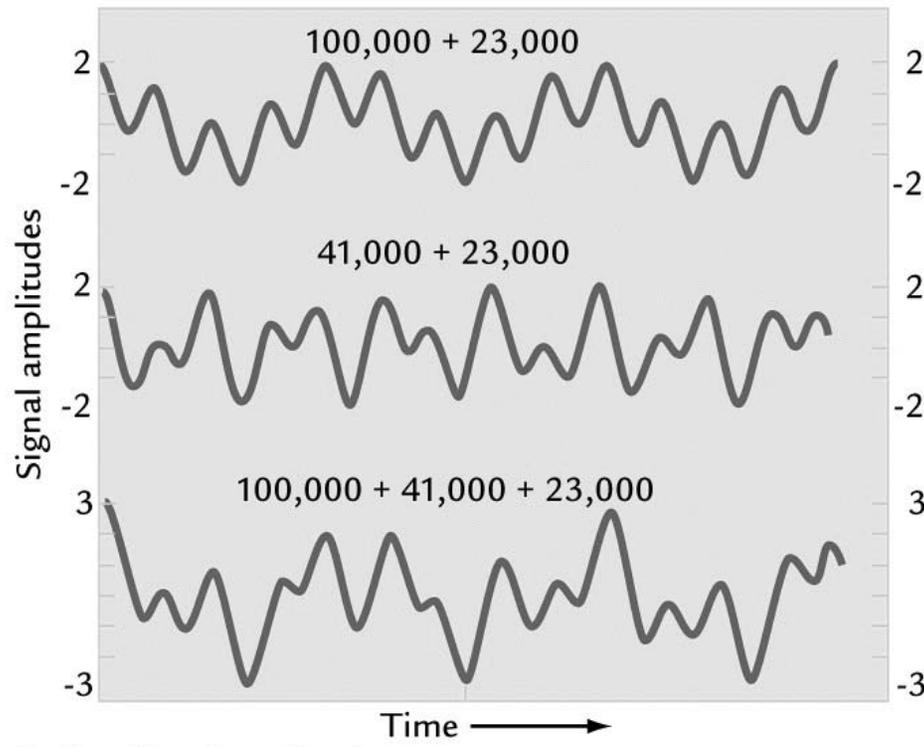


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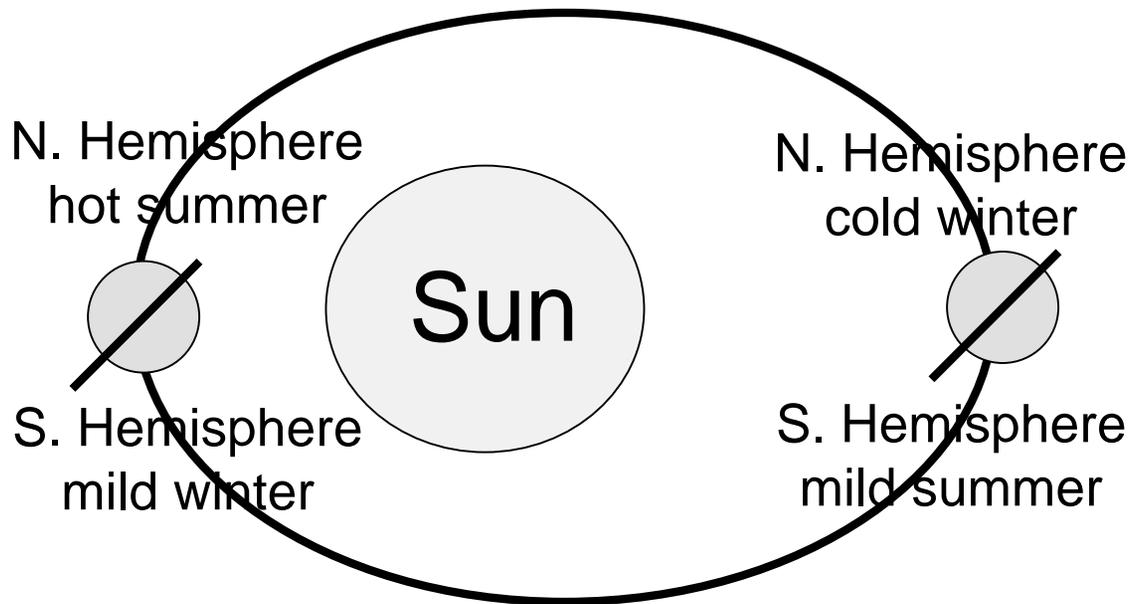
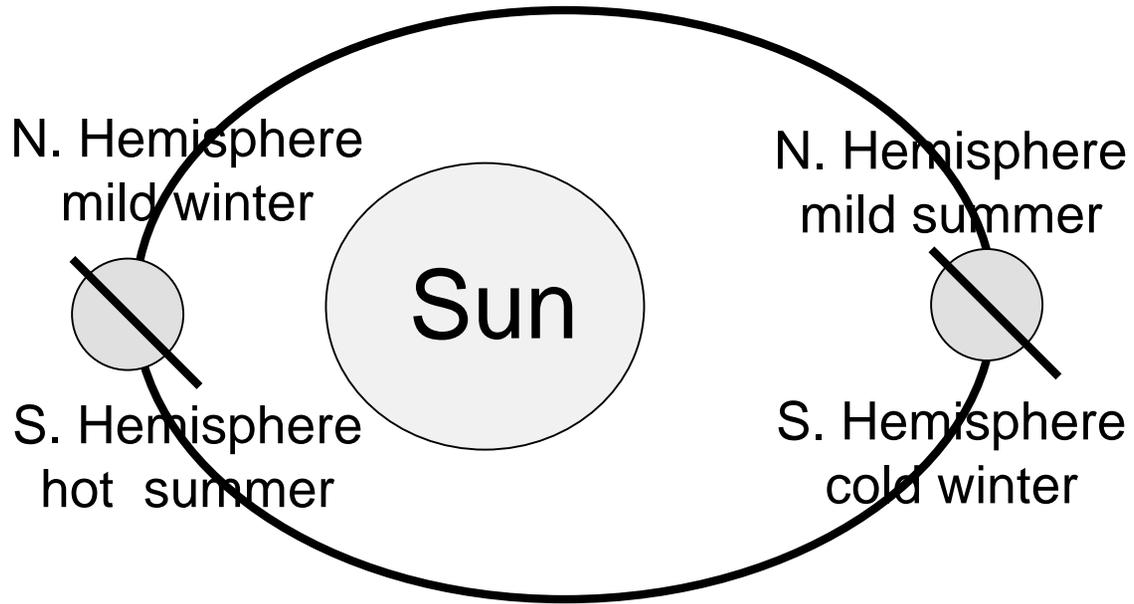




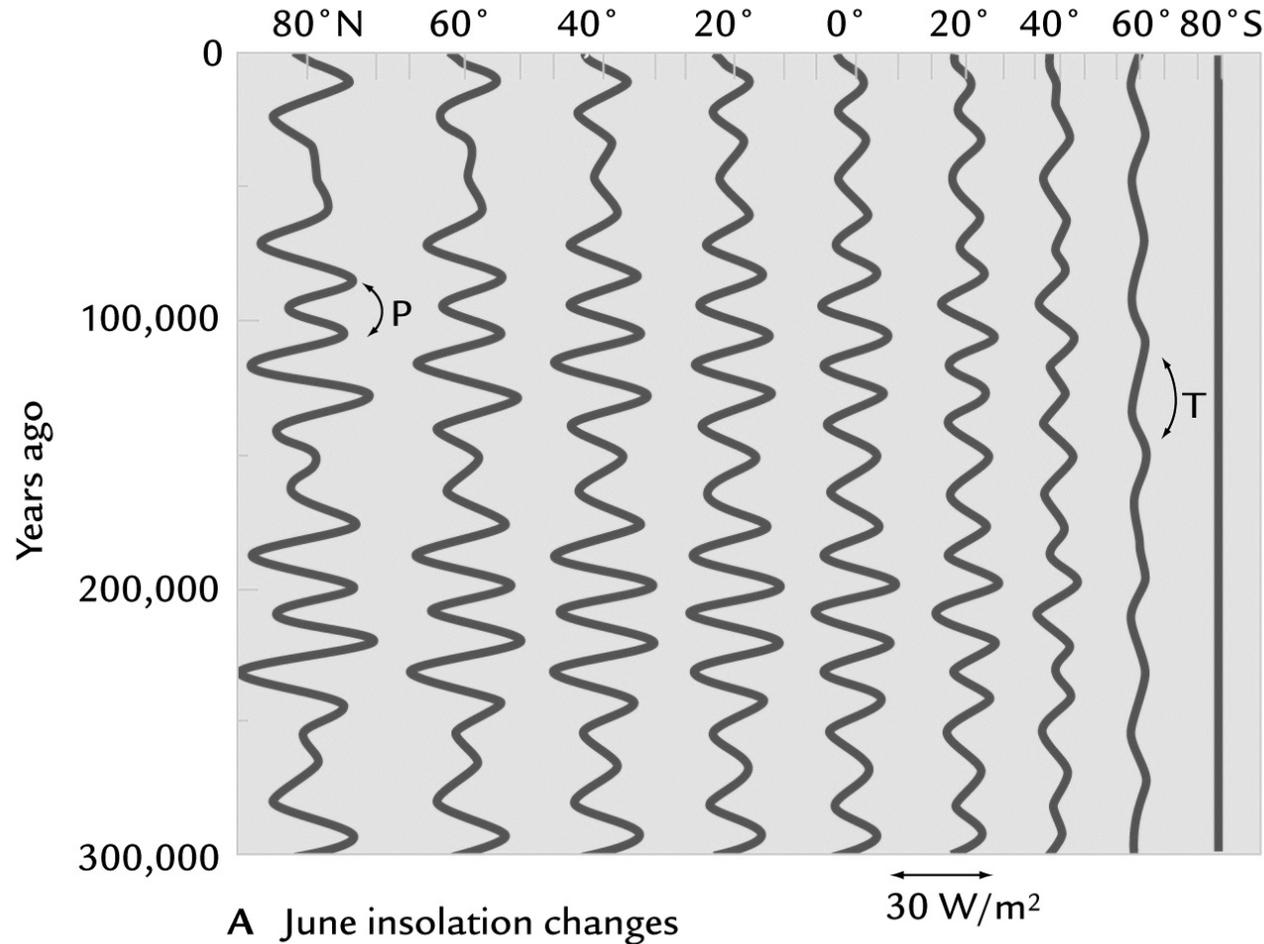
A Individual sine-wave cycles

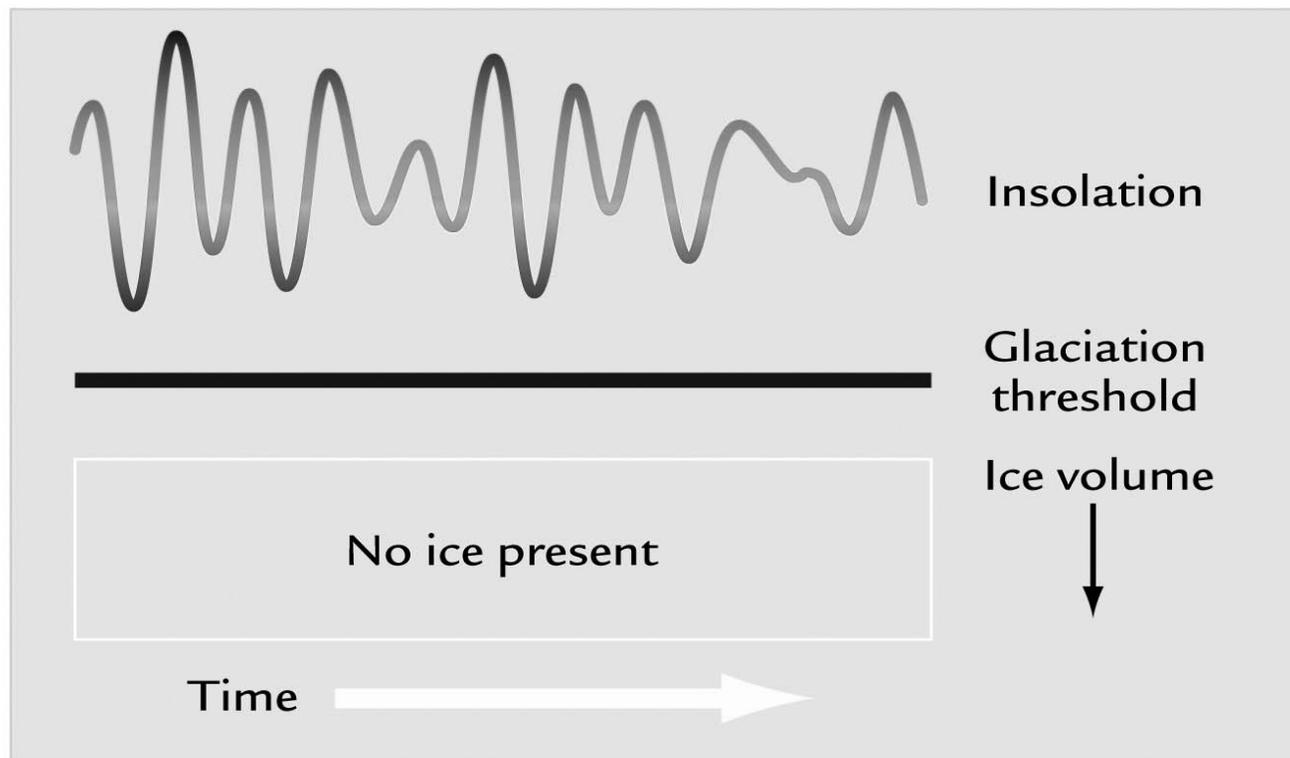


B Combination of cycles



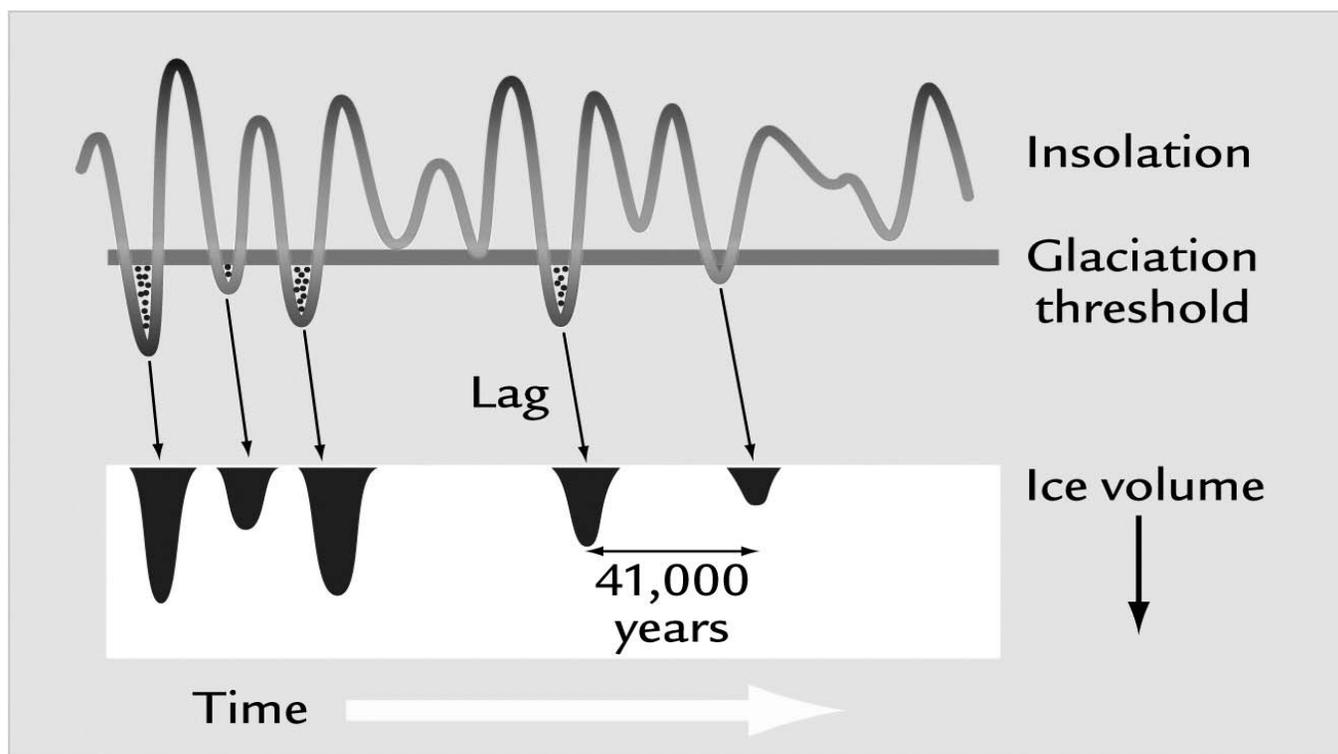
Changes in Insolation Depend on Latitude





(A)

Preglaciation phase



(B)

Small glaciatiion phase





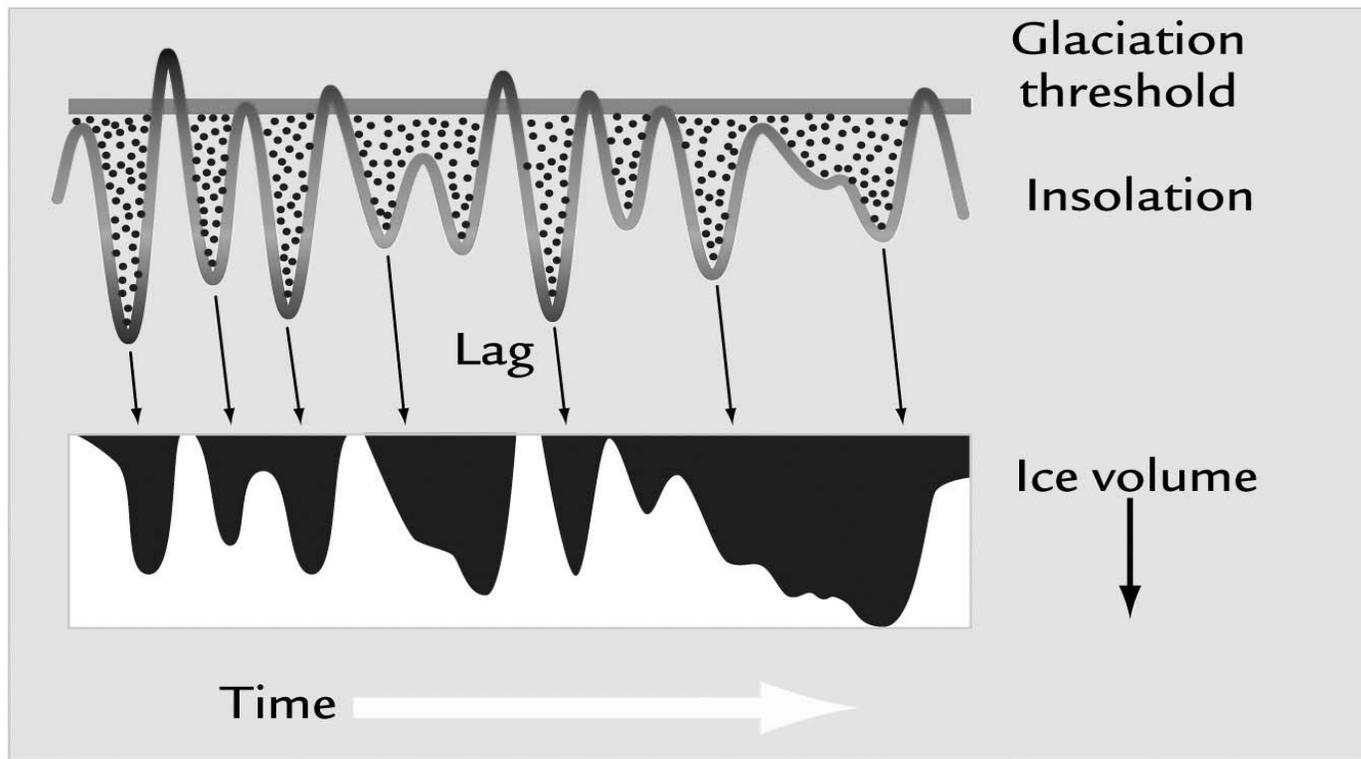
Alpine Glacier



Baffin Isl., Canada

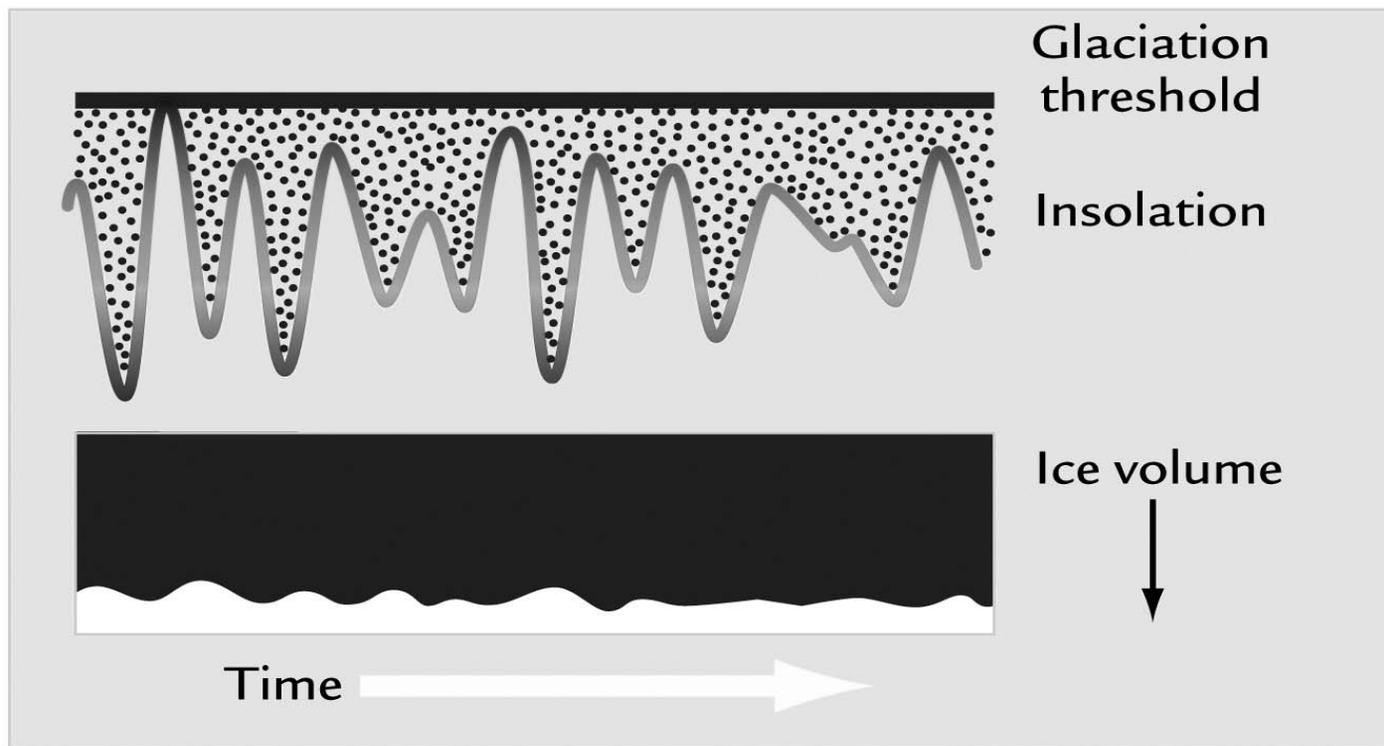


Greenland
Image: NASA



(C)

Large glaciatiion phase



(D)

Permanent glaciation phase

Holocene, Pleistocene Glaciers

