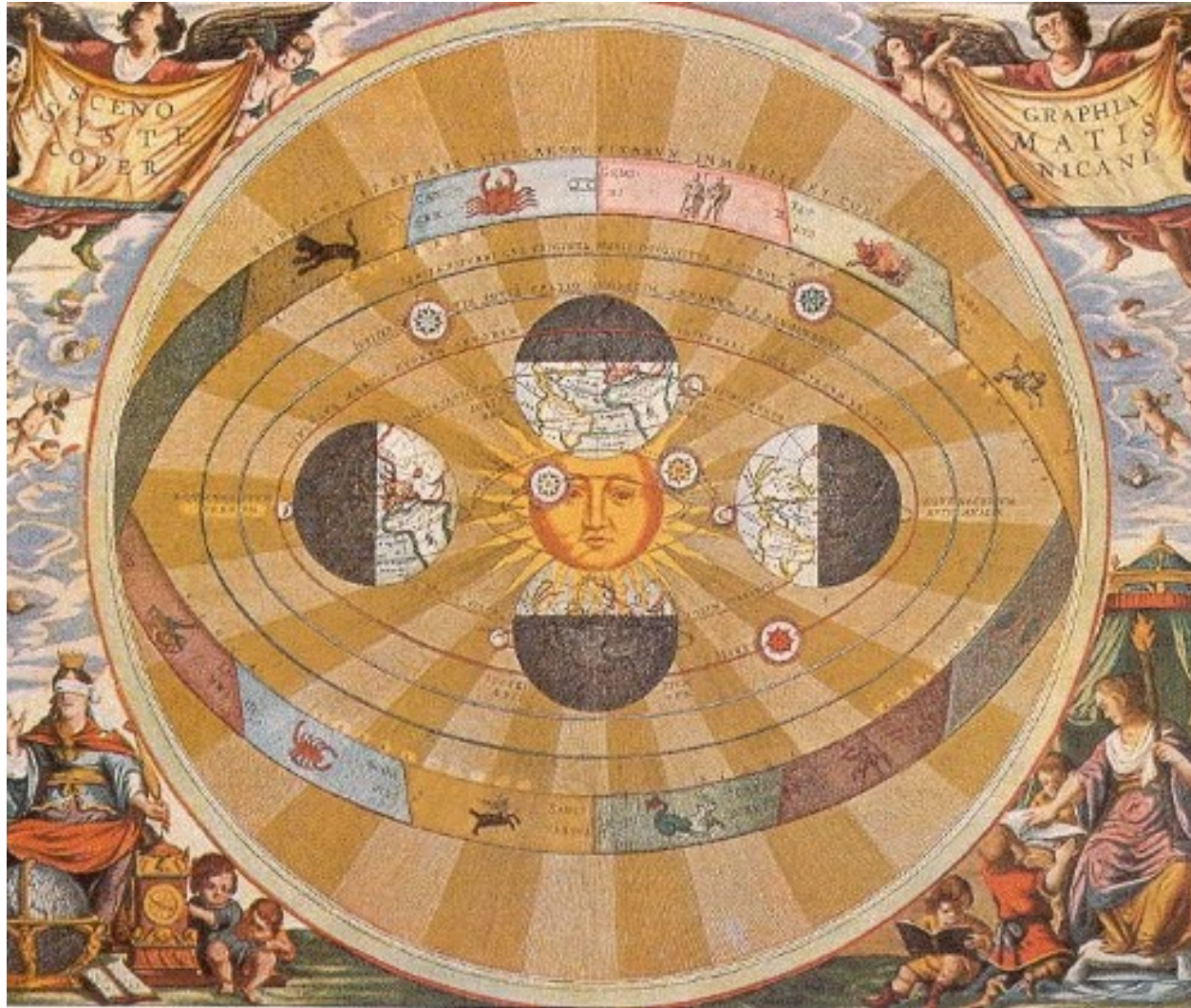


# Vnější klimatotvorné faktory Země

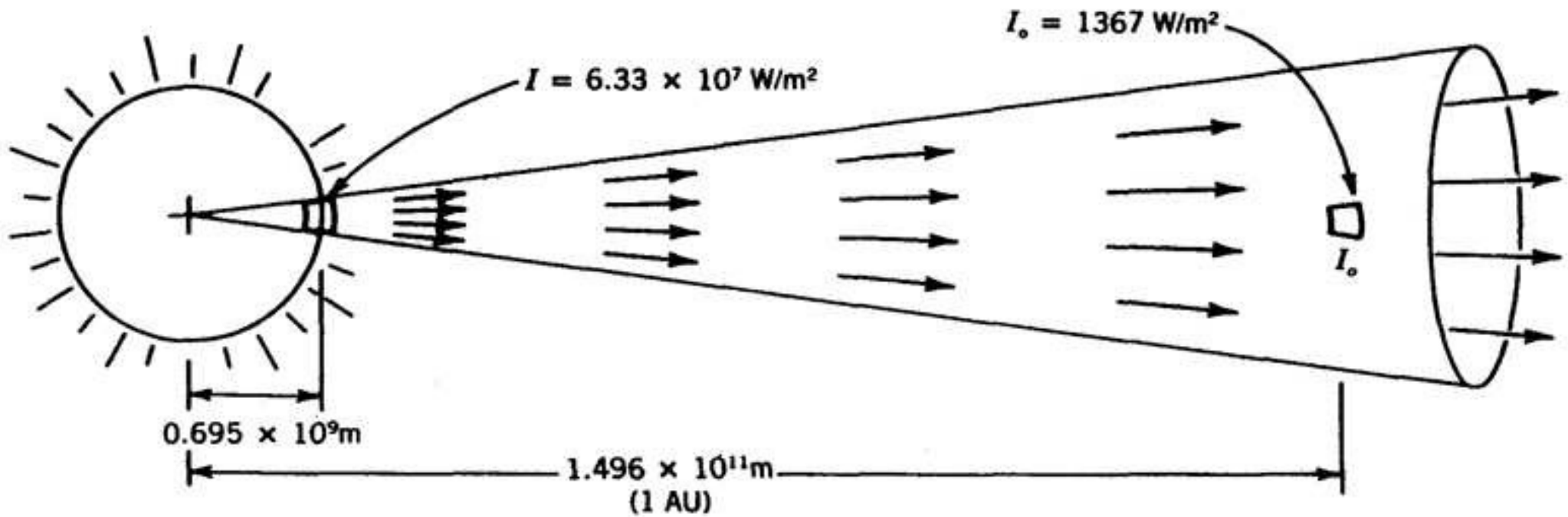


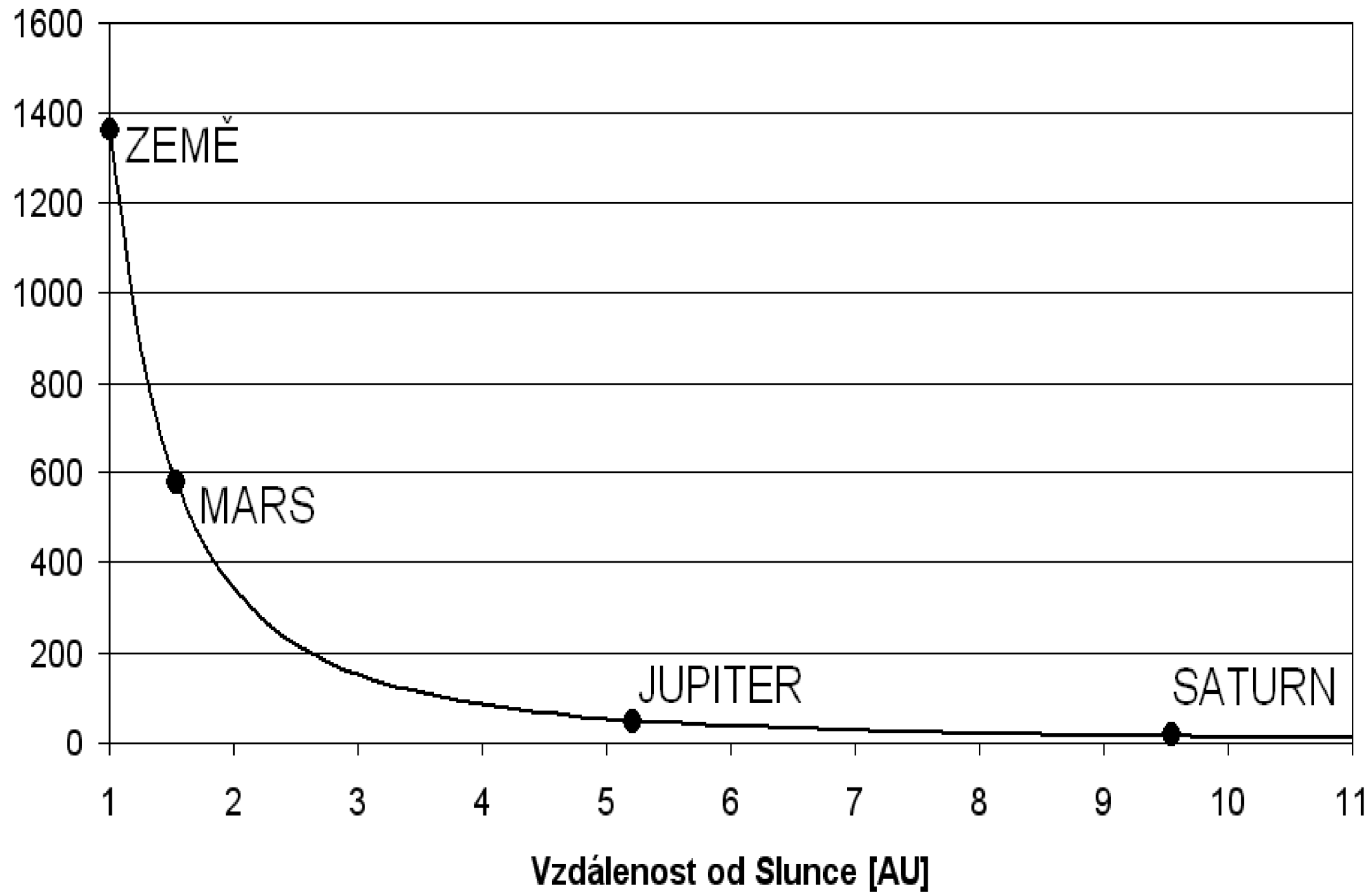
# Co je příčinou střídání ročních období?



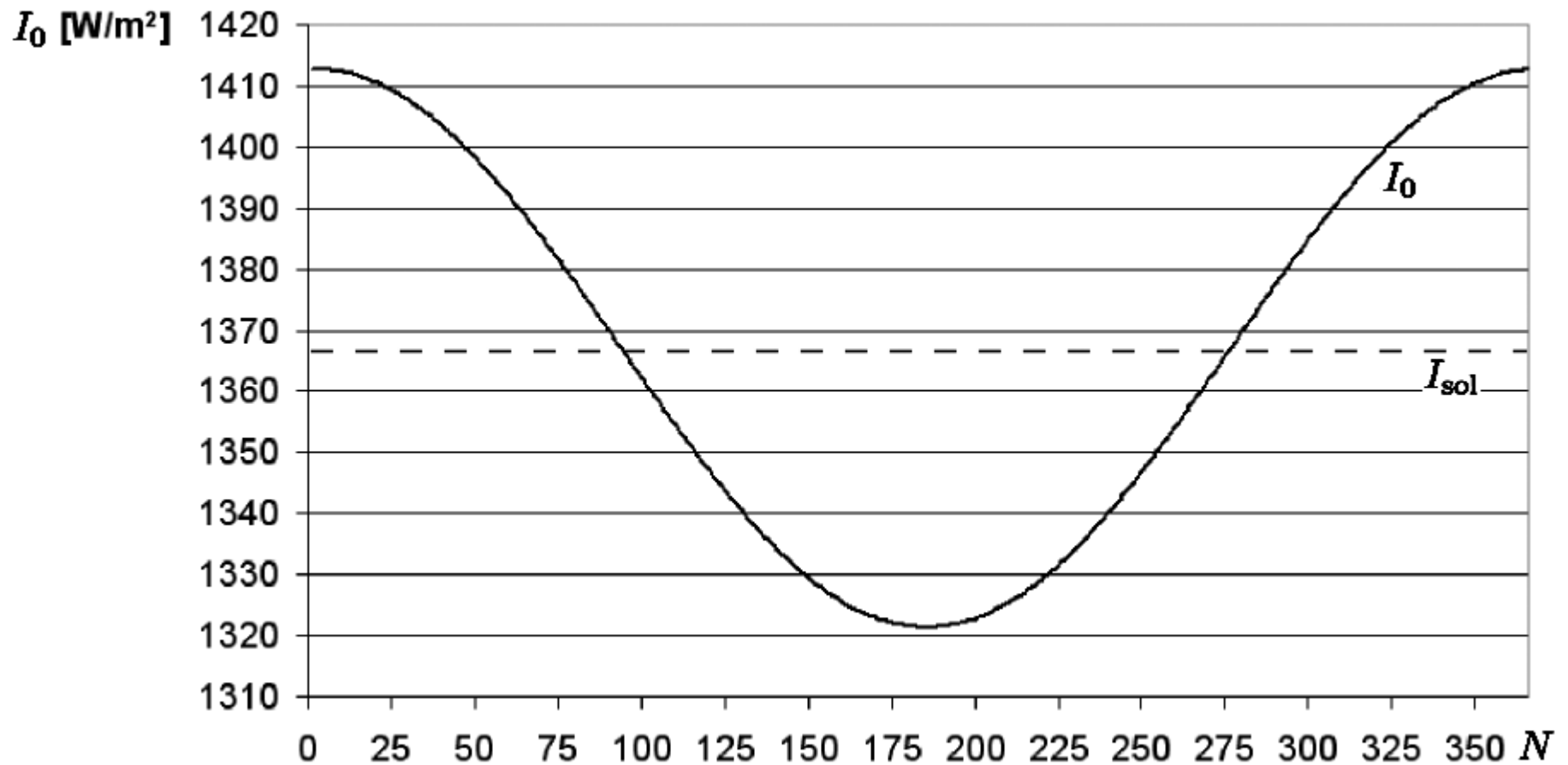
[http://esminfo.prenhall.com/science/geoanimations/animations/01\\_EarthSun\\_E2.html](http://esminfo.prenhall.com/science/geoanimations/animations/01_EarthSun_E2.html)

# Solární konstanta

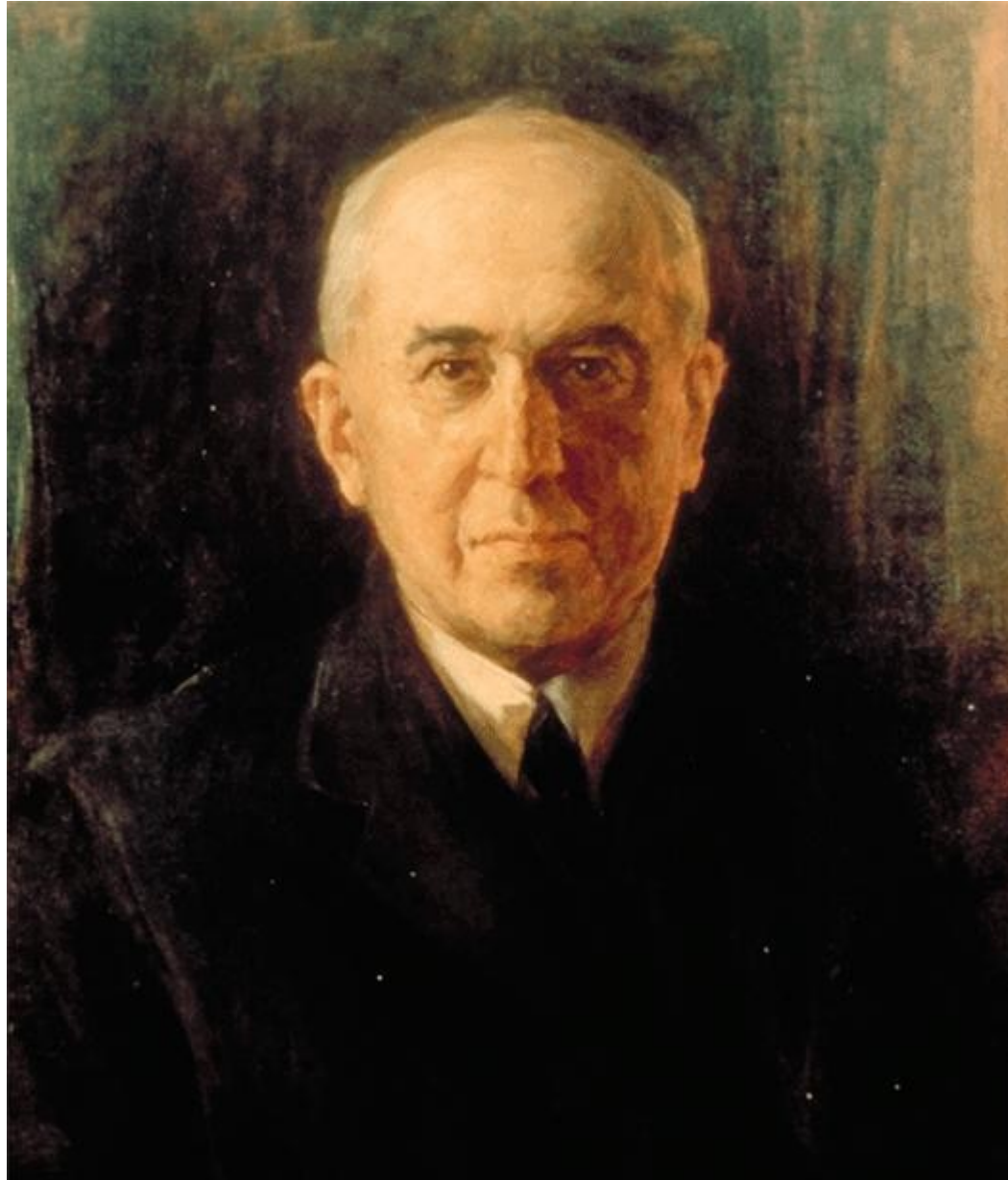




# Variace intenzity extraterestrického slunečního záření během roku vlivem proměnné vzdálenosti Země – Slunce

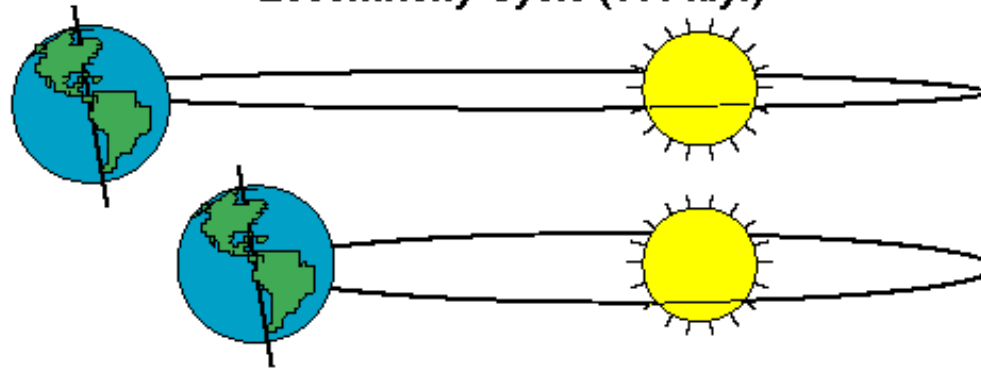


# 1. Milankovitchova teorie

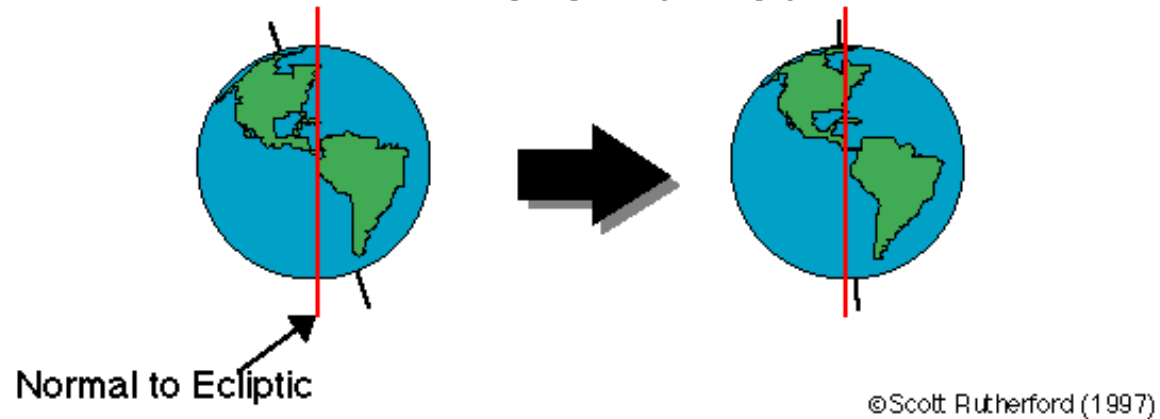




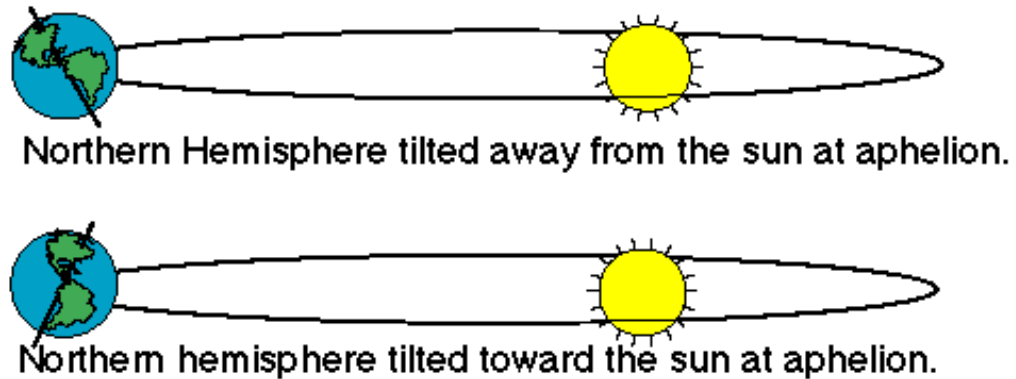
### Eccentricity Cycle (100 k.y.)



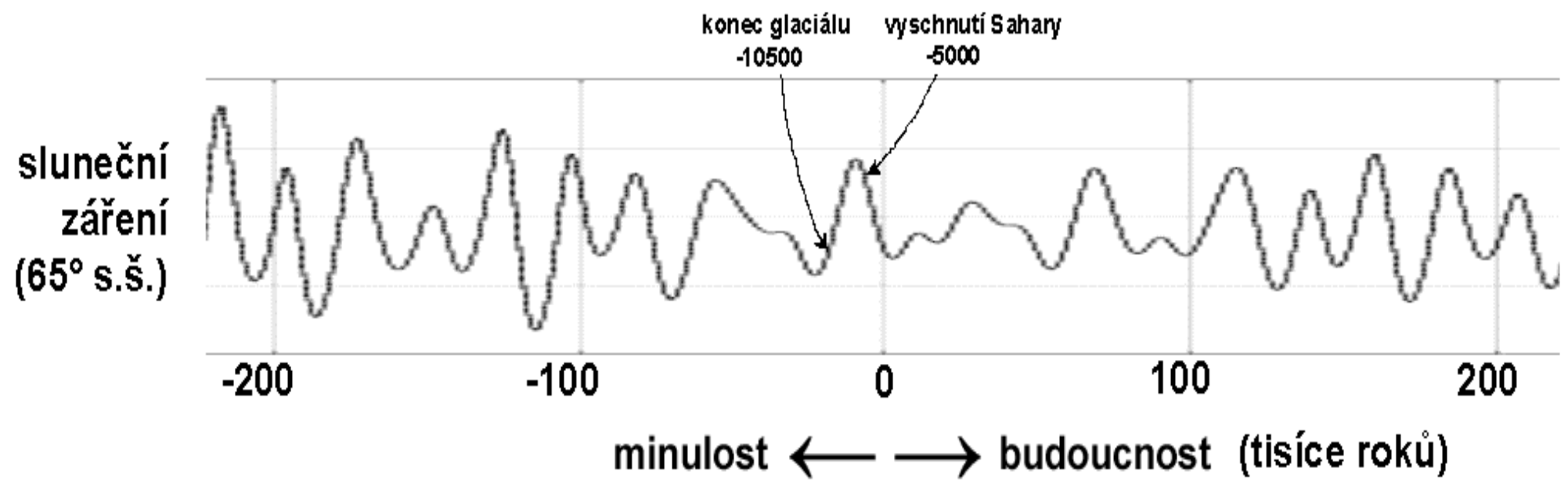
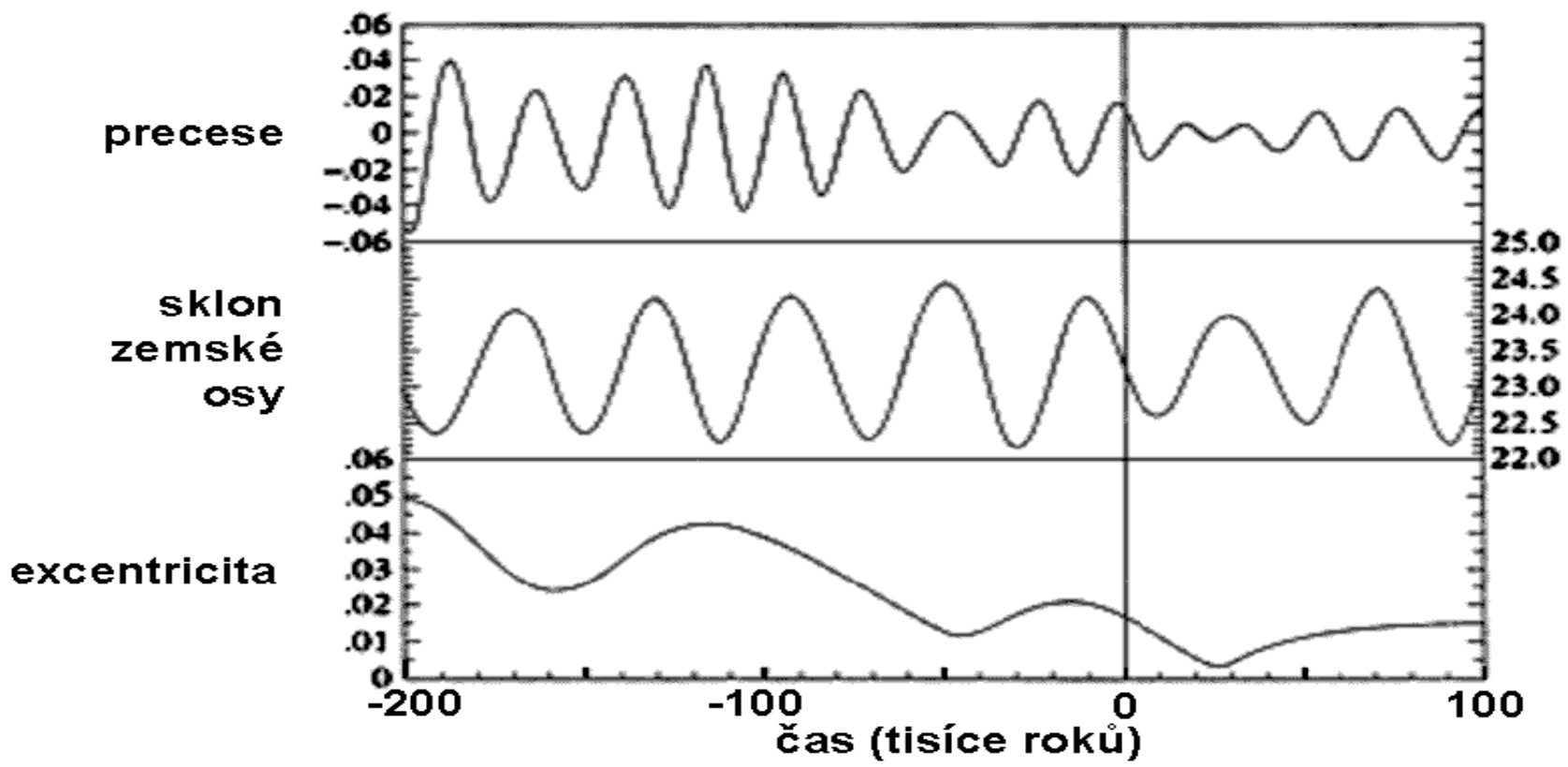
### Obliquity Cycle (41 k.y.)

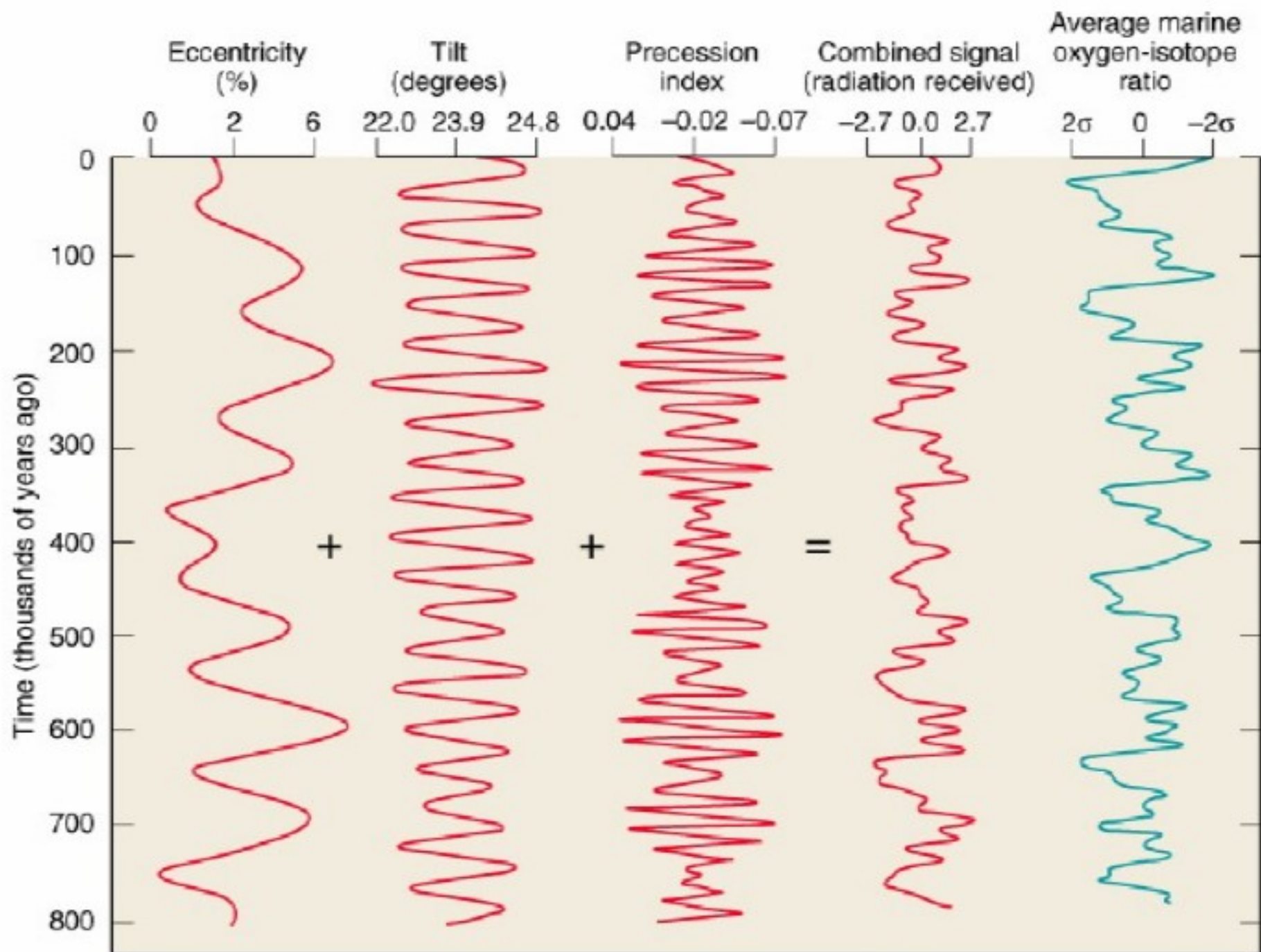


### Precession of the Equinoxes (19 and 23 k.y.)

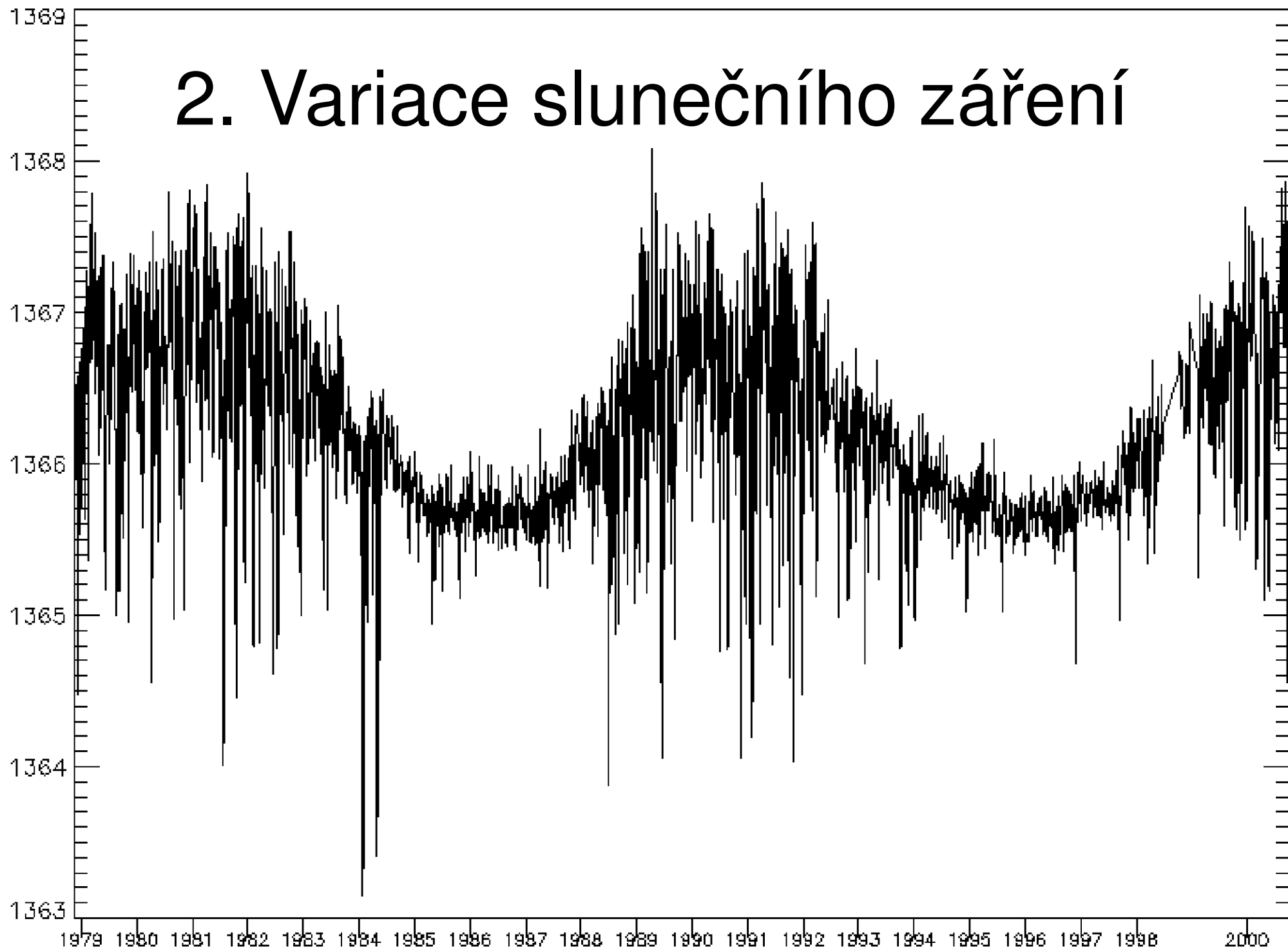


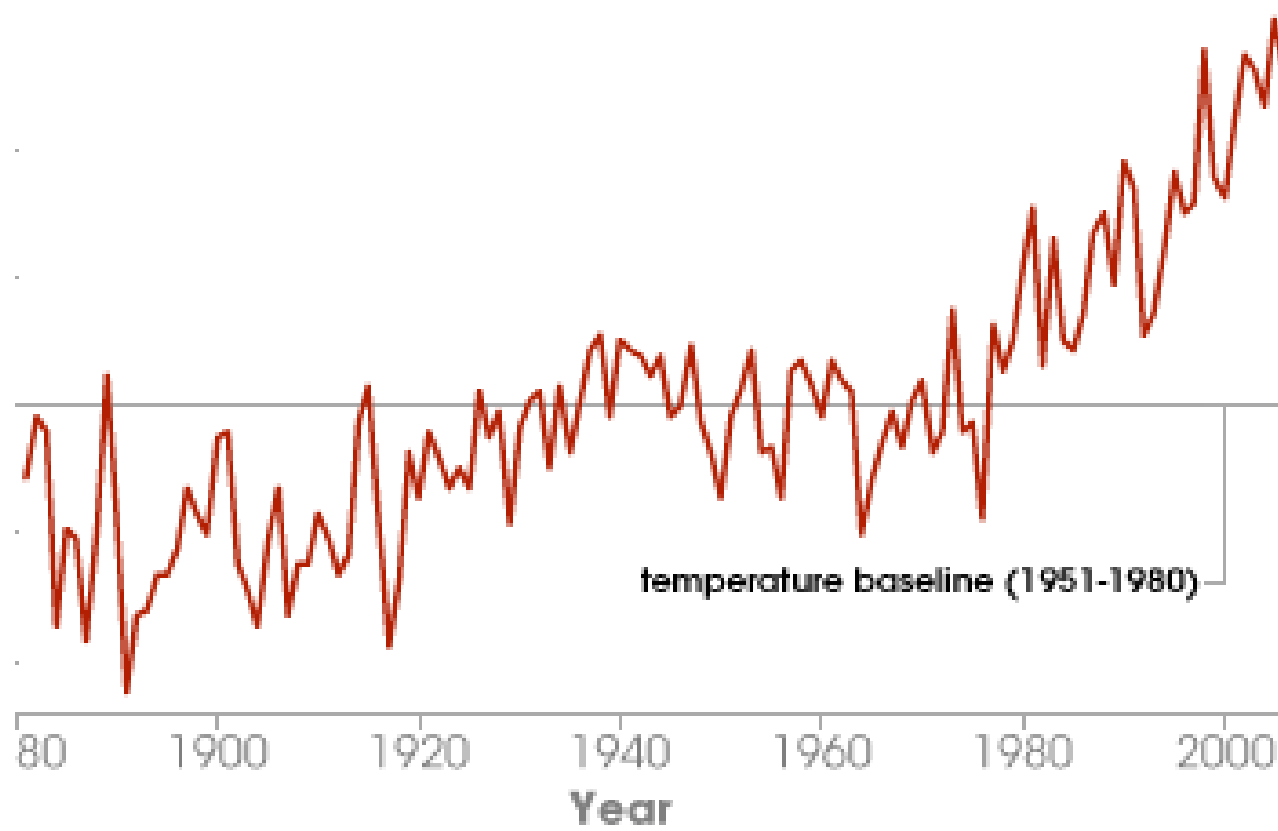
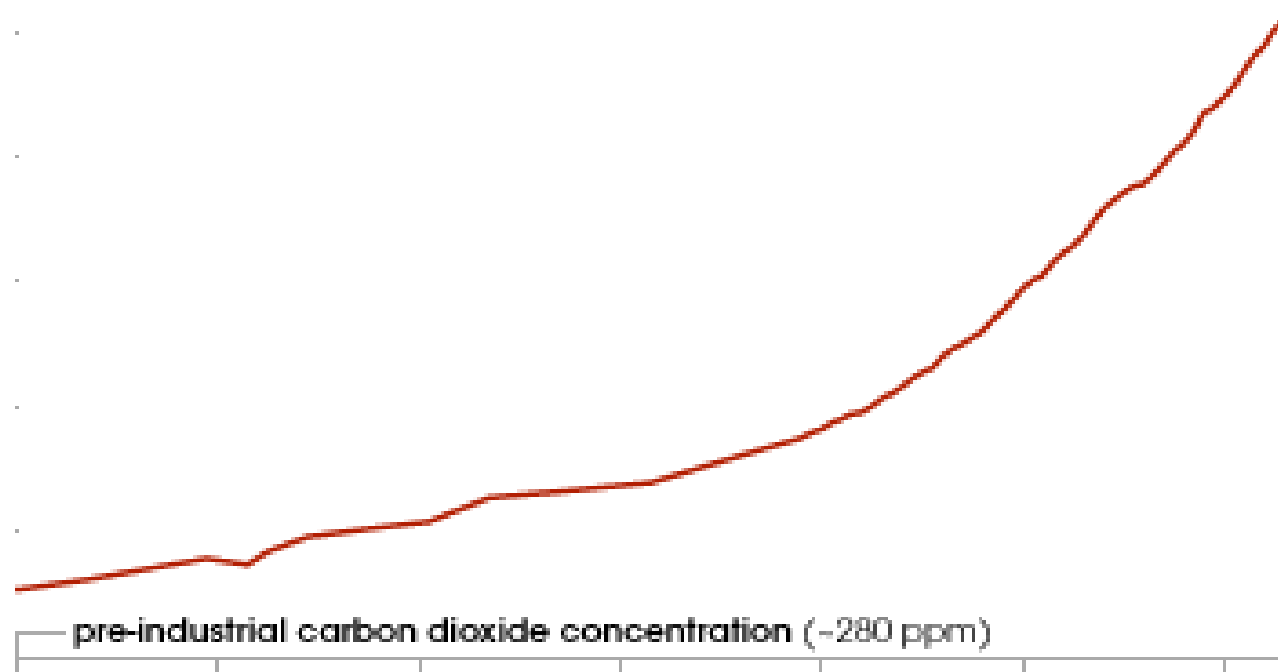


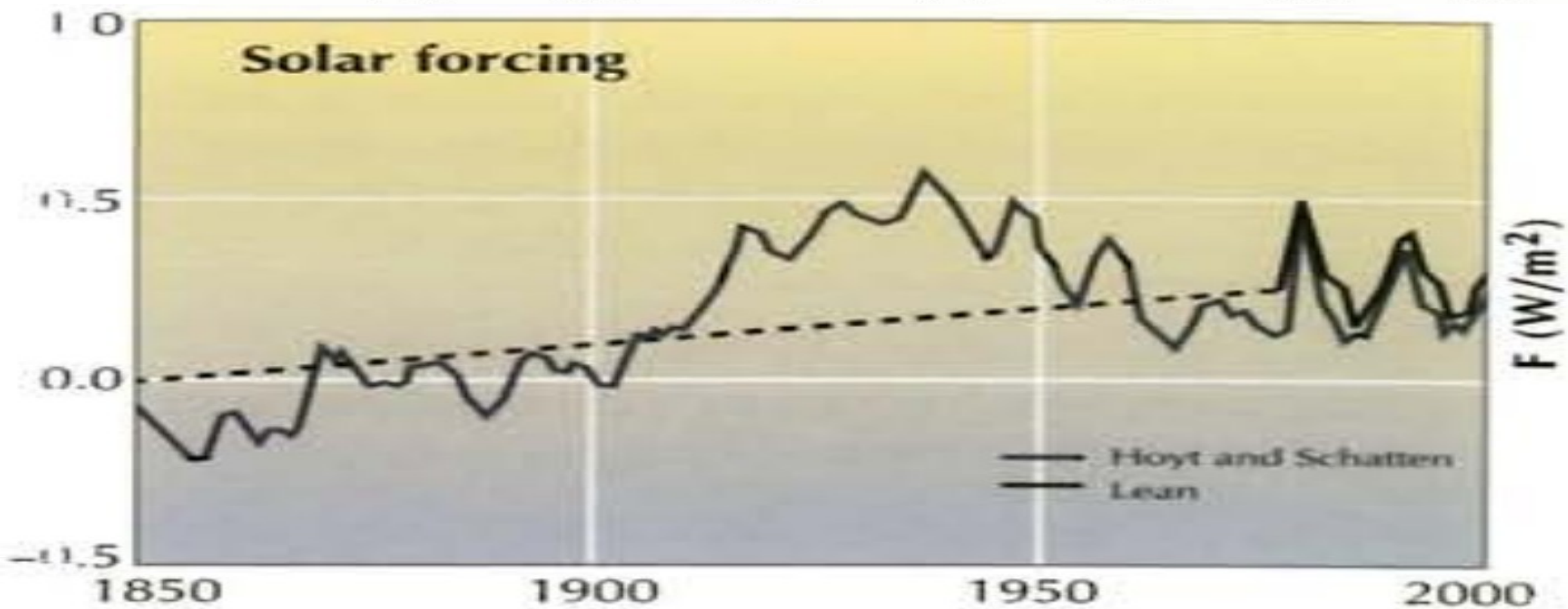
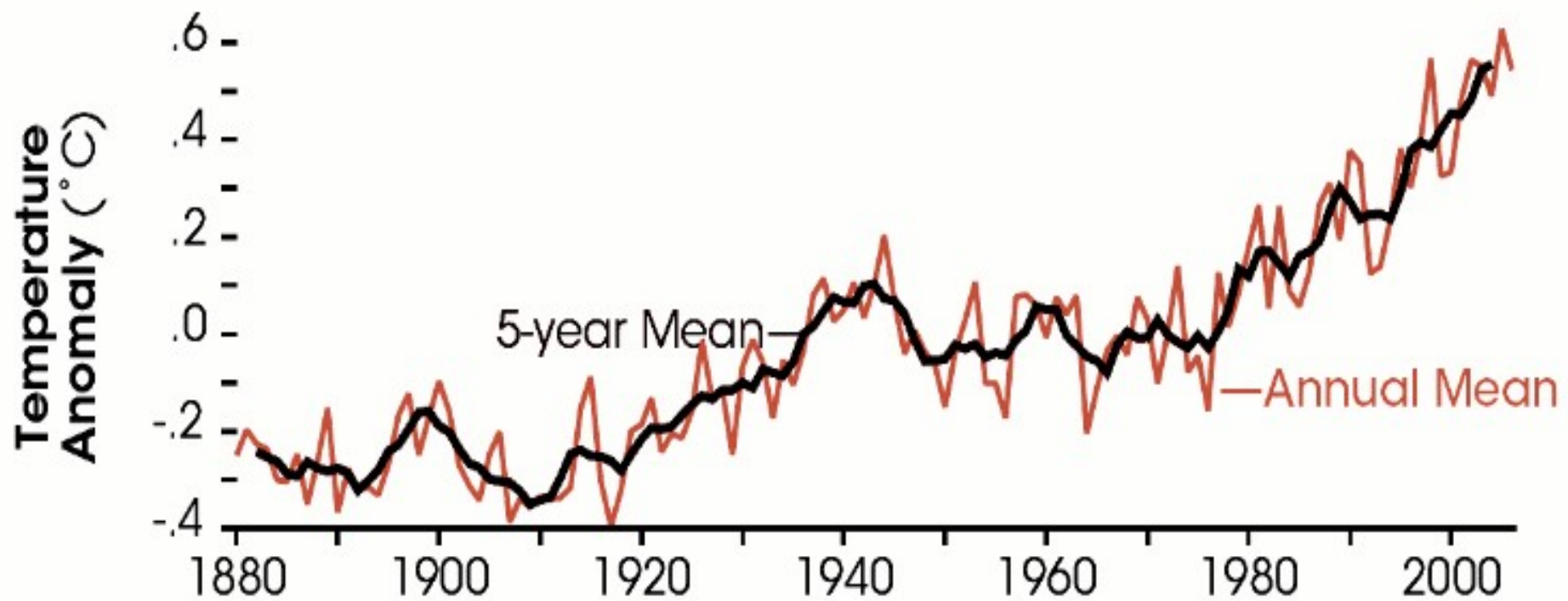




## 2. Variace slunečního záření



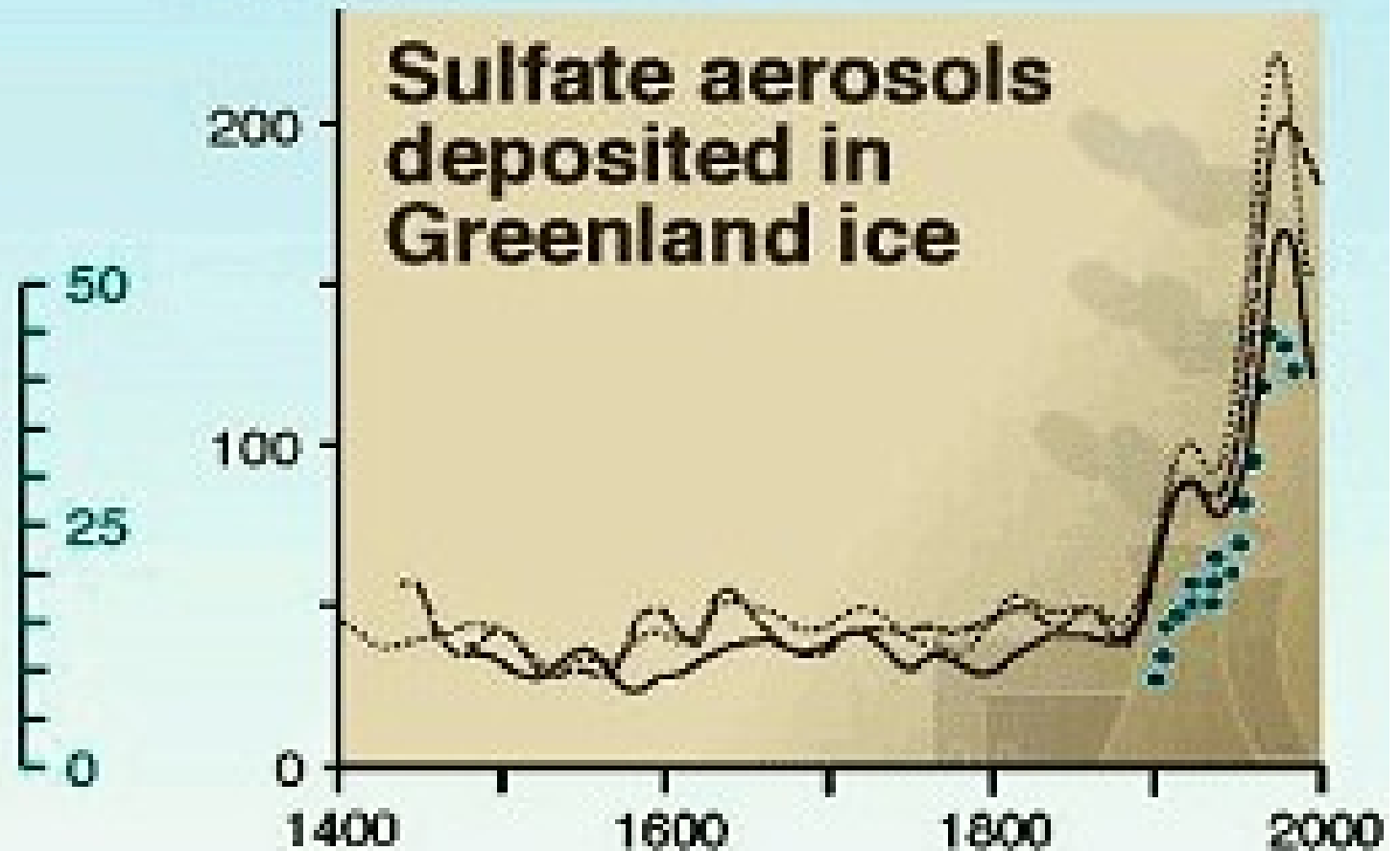




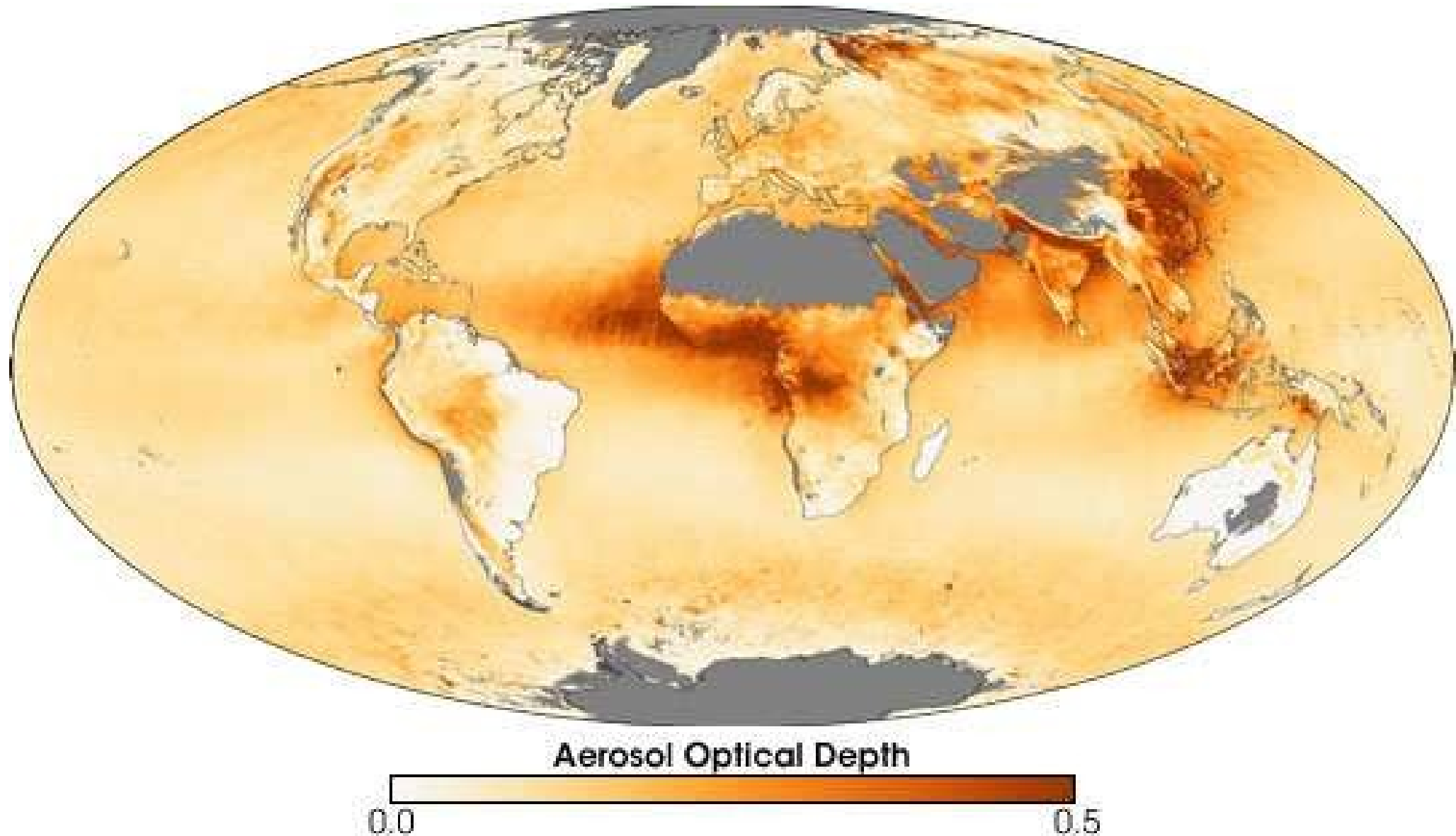
## Sulfur

mg  $\text{SO}_4^{2-}$  per tonne of ice

$\text{SO}_2$  emissions  
from United States  
and Europe  
(Mt S yr<sup>-1</sup>)



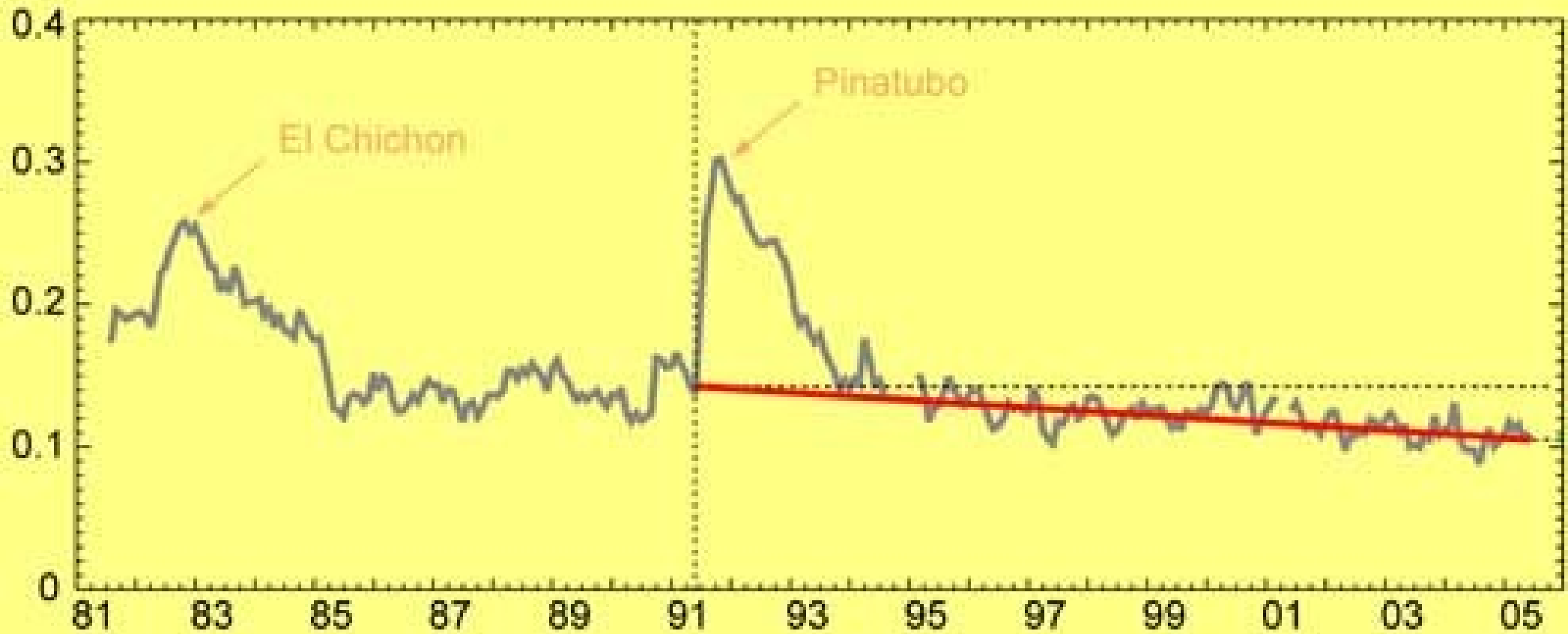
### 3. Aerosolová optická tloušťka











# Modelování klimatu

Sir David Attenborough

<http://www.youtube.com/watch?v=S9ob9WdbXx0>