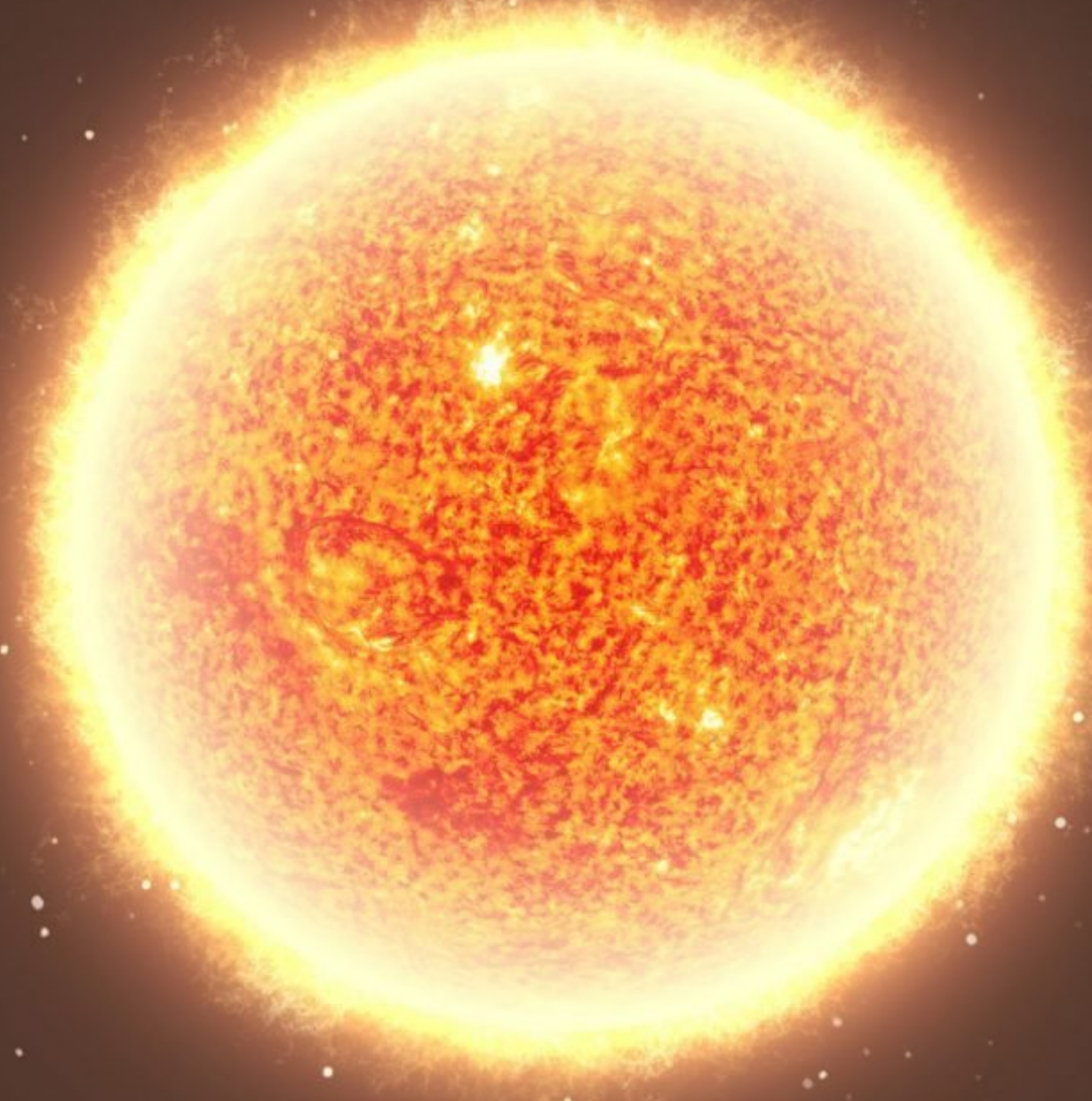
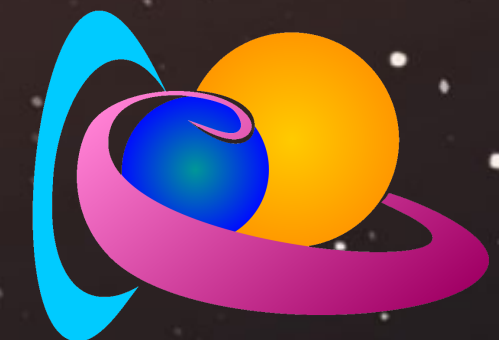


LARGE SCALE PICTURE OF SPHERES

Earth & Sun



Elke D'Huys and Petra Vanlommel



Solar-Terrestrial
Centre of
Excellence

Large scale picture of the different spheres

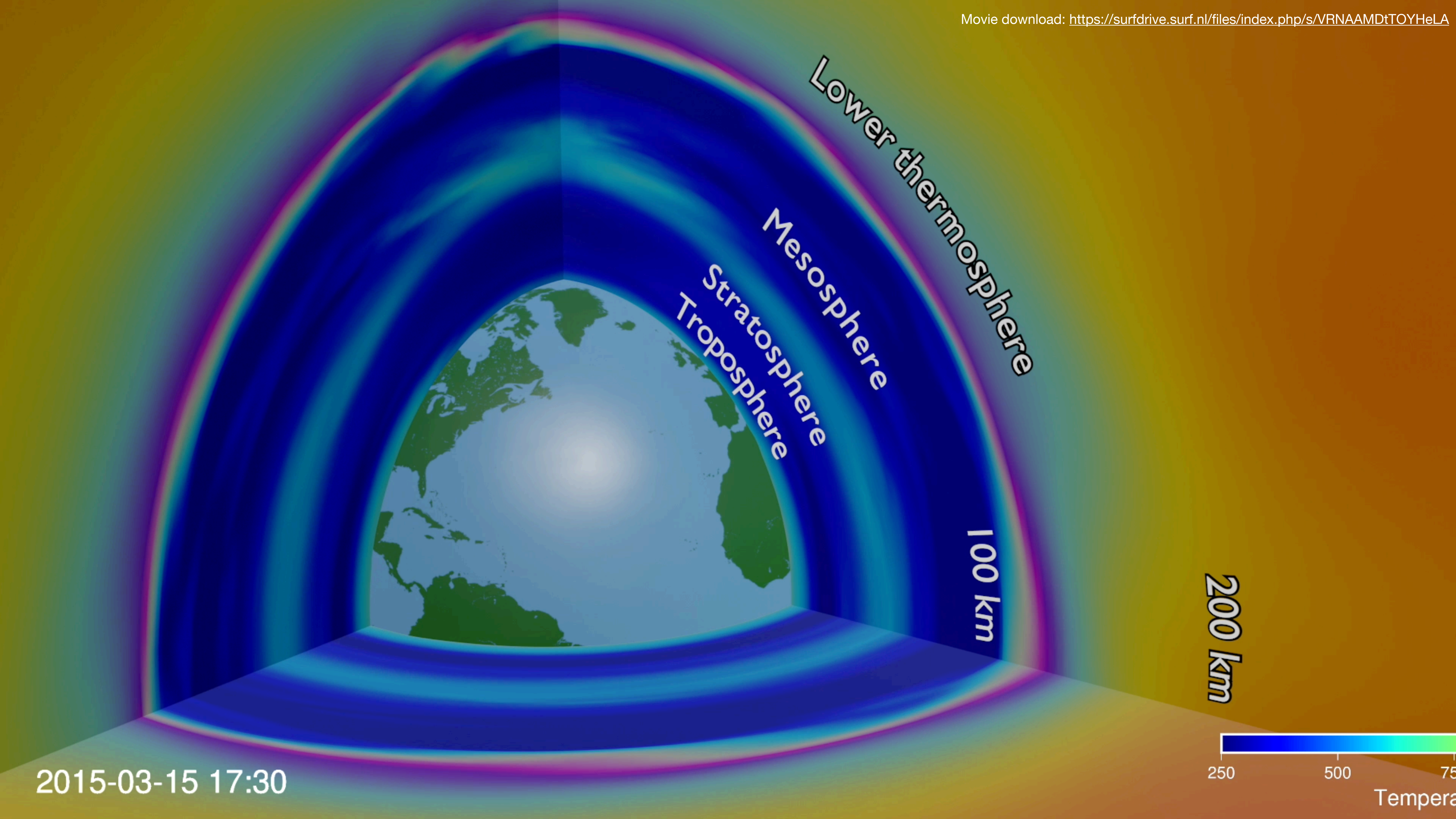
1. Around the Sun:

1. The Sun (photosphere, chromosphere, corona)
2. The solar wind and heliosphere

2. Around the Earth:

1. Earth's neutral atmosphere: troposphere, stratosphere, mesosphere and thermosphere
2. Earth's charged atmosphere: the ionosphere and plasmasphere
3. Magnetosphere

2. Around Earth



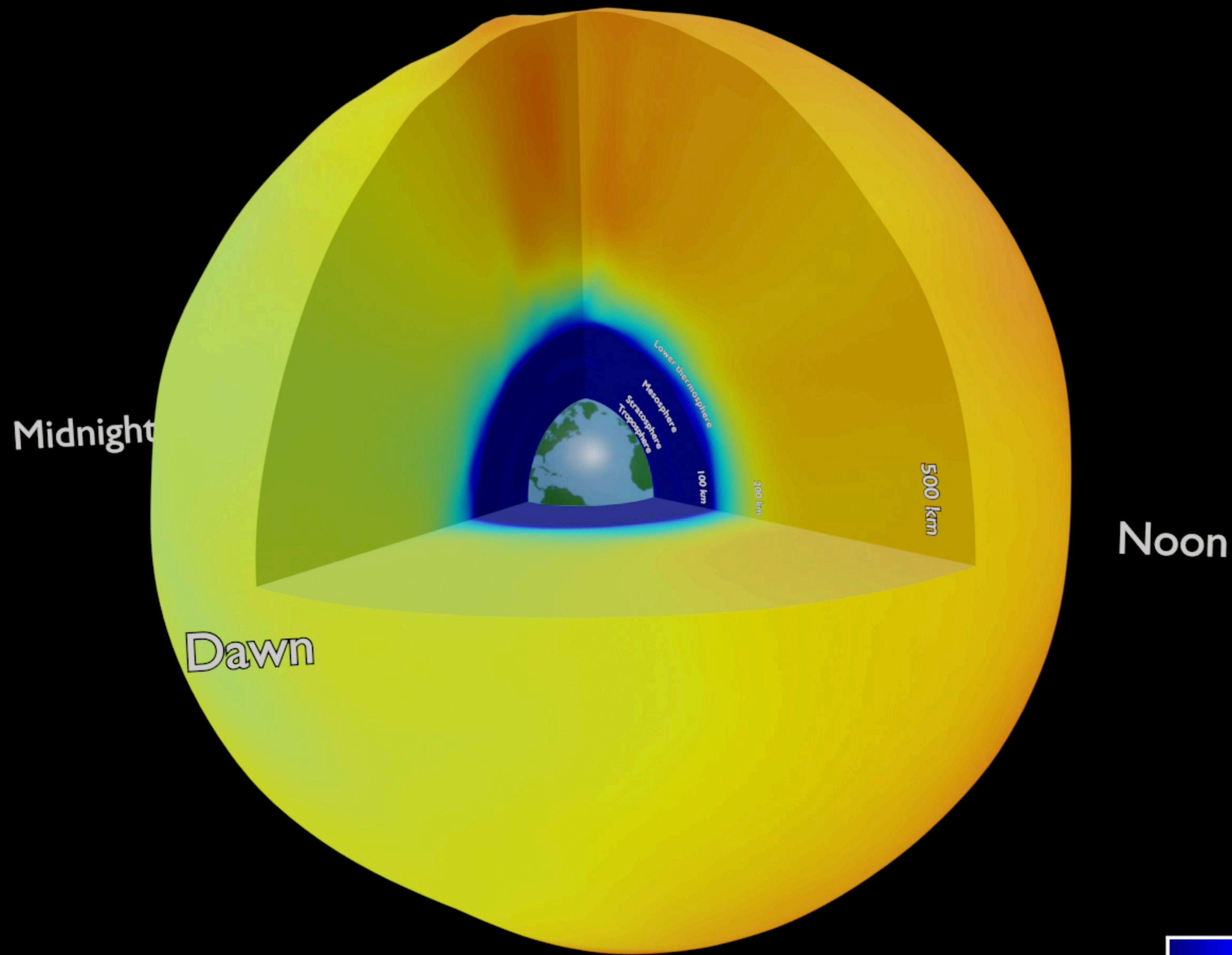
2015-03-15 17:30

250

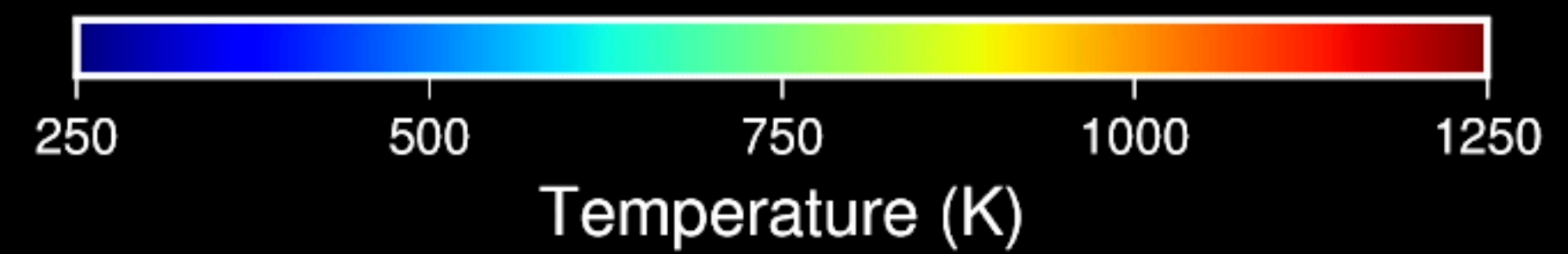
500

750

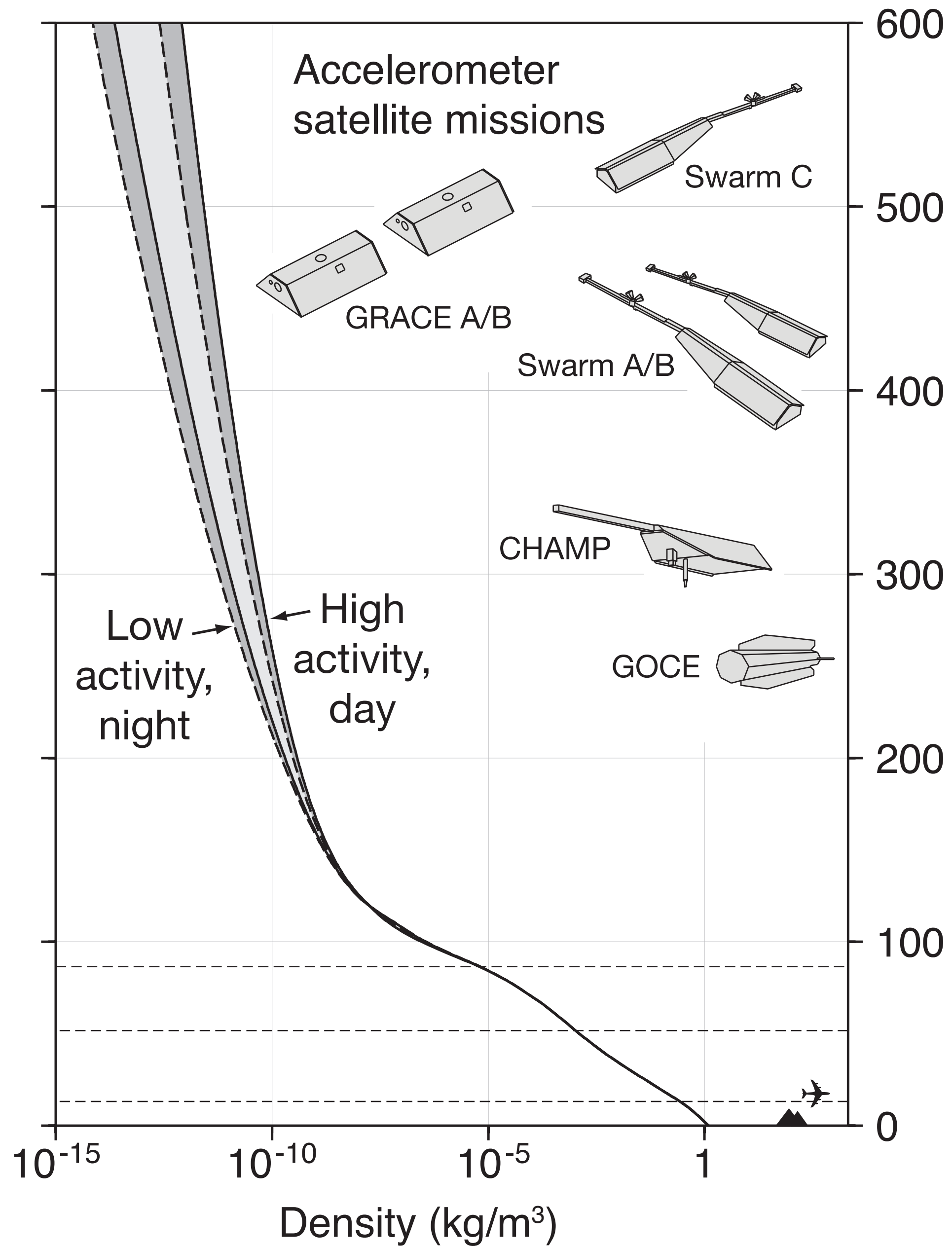
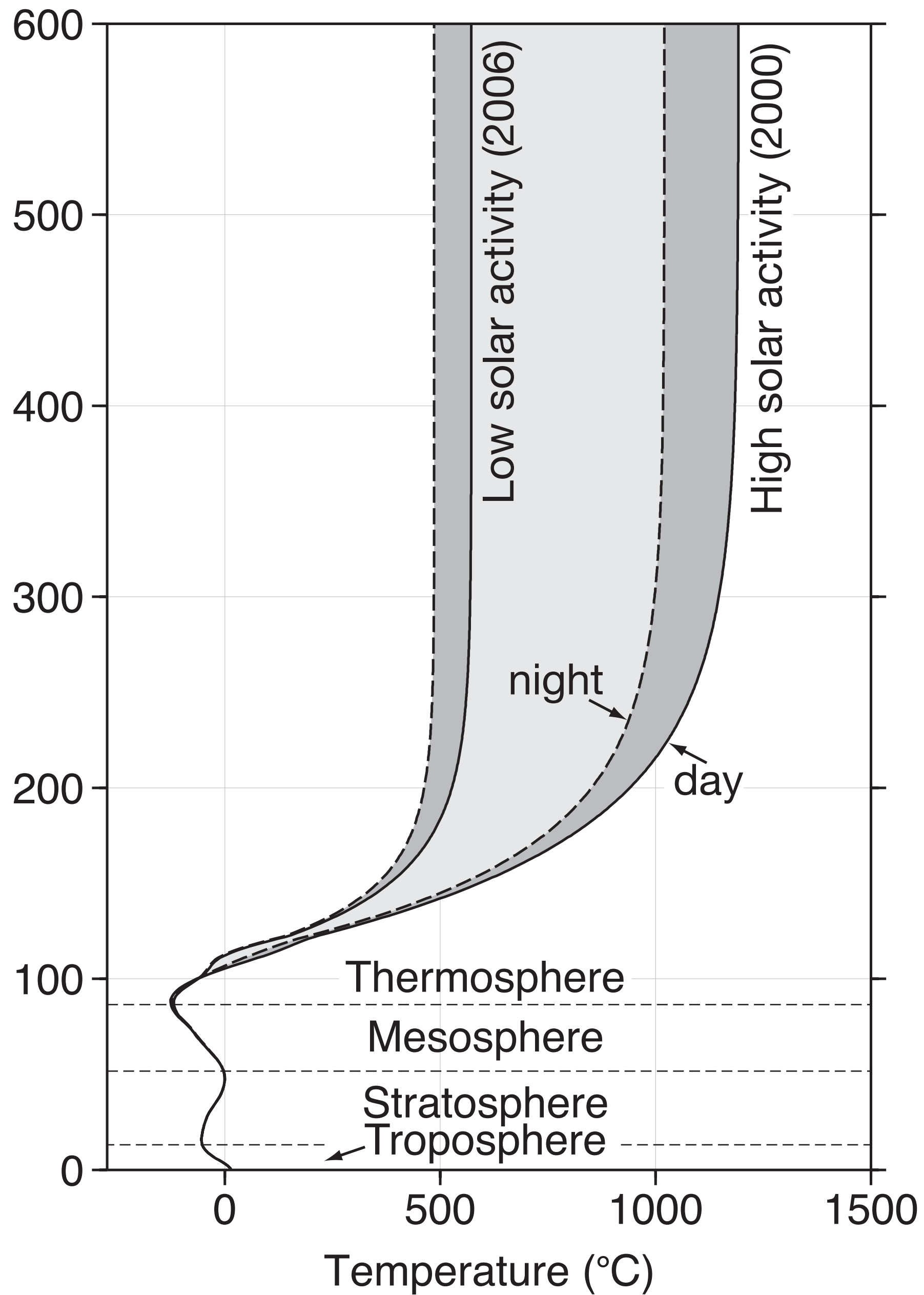
Tempera



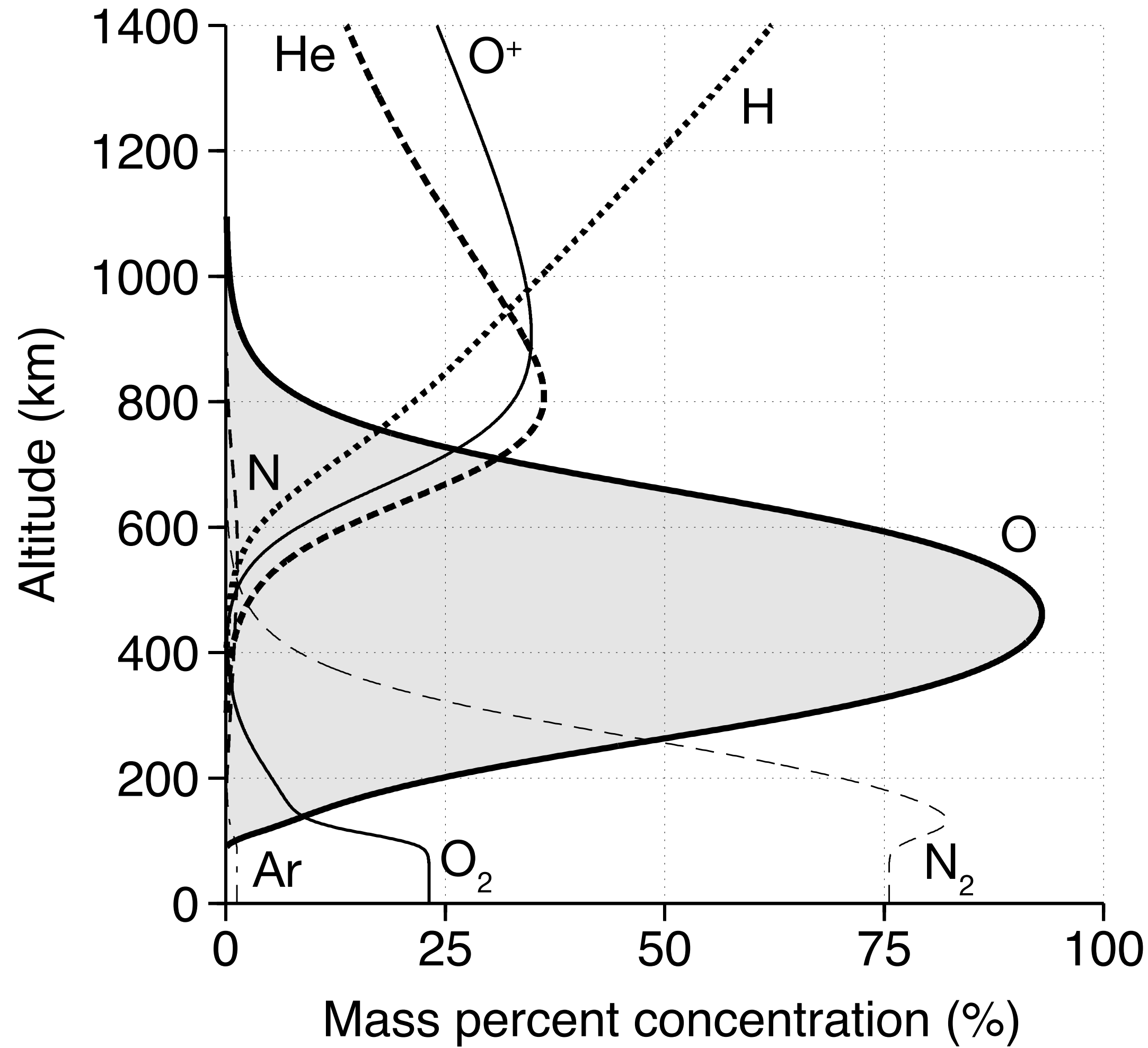
2015-03-16 11:00



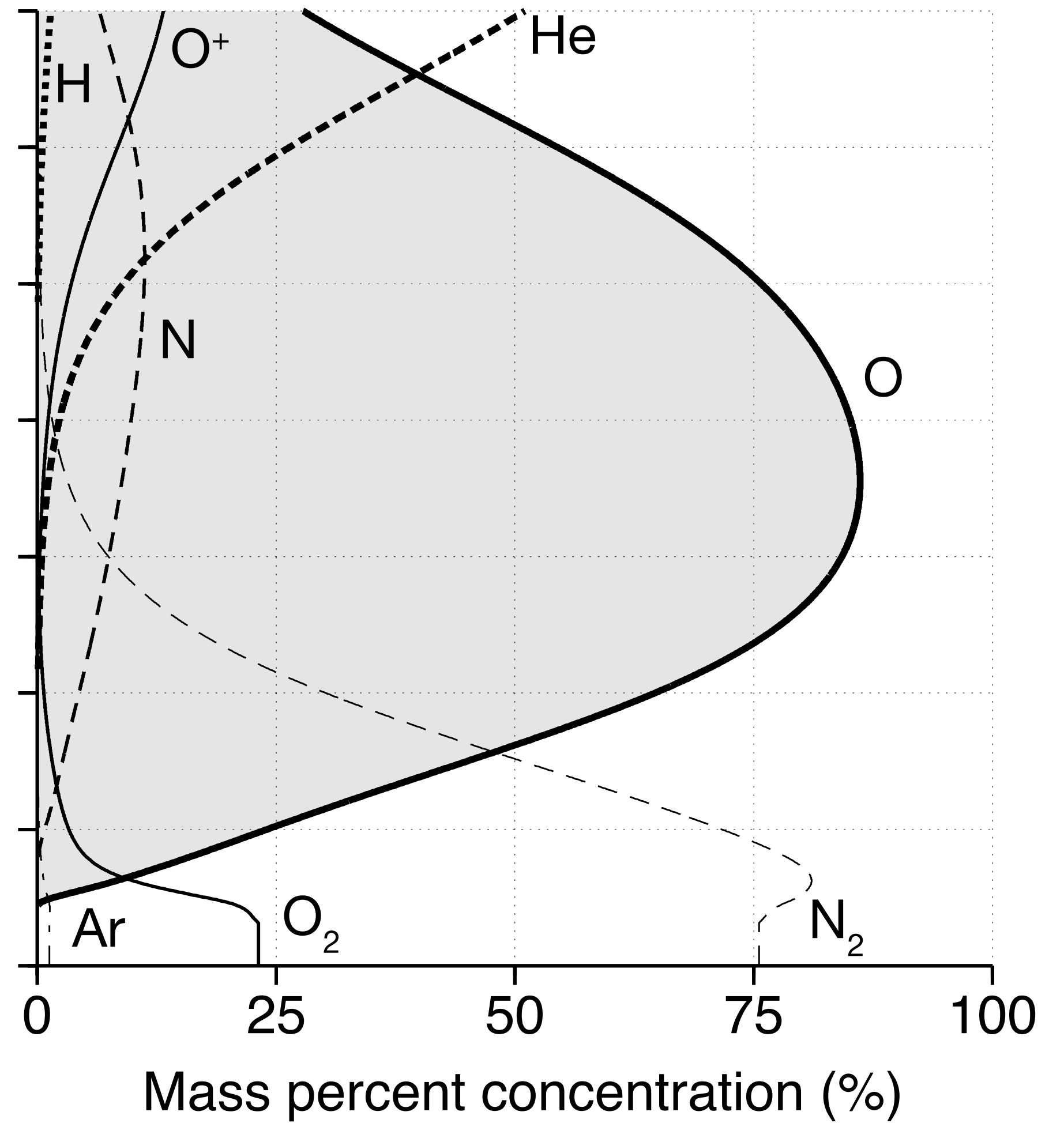
Altitude (km)



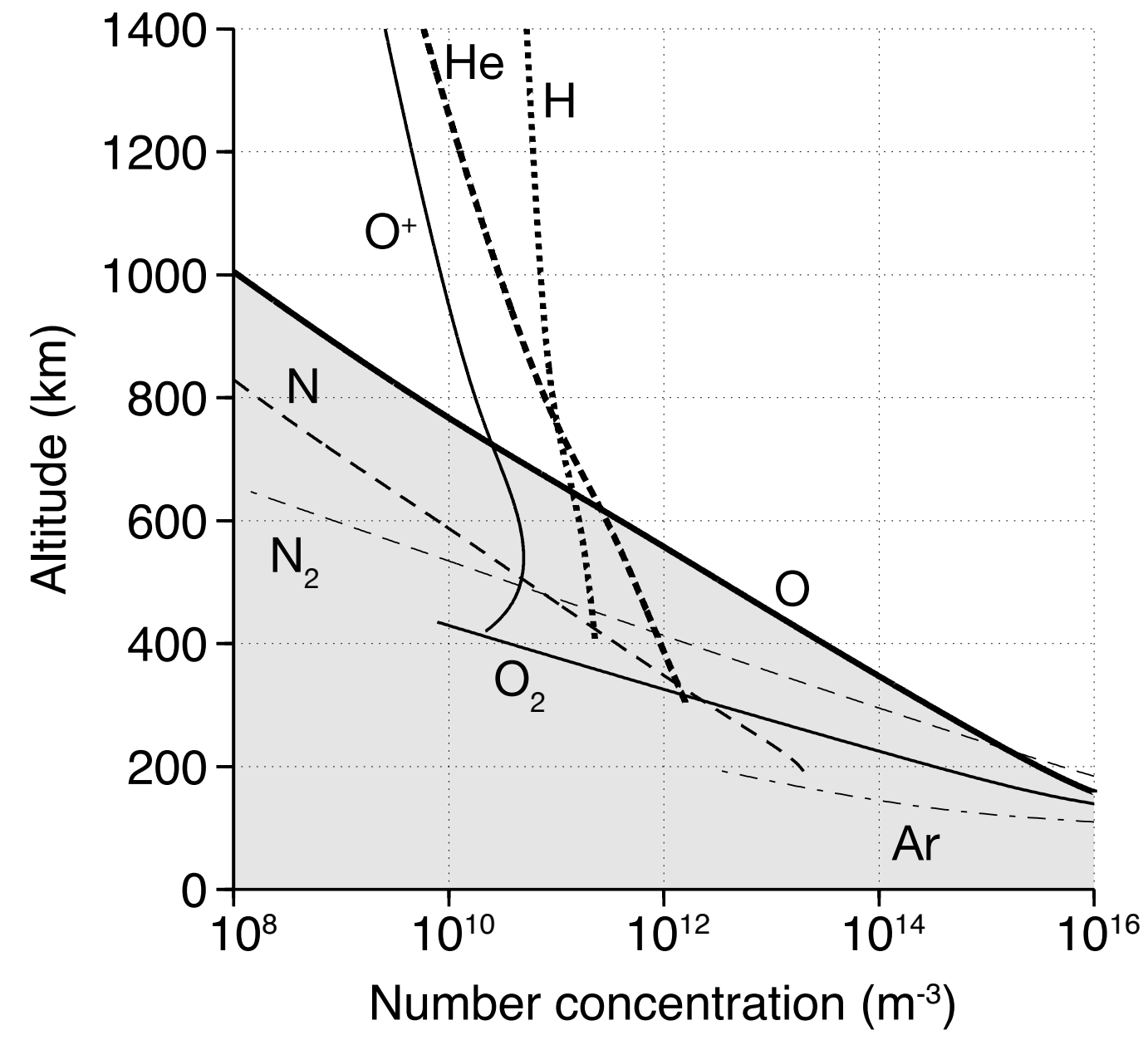
Low activity (2006)



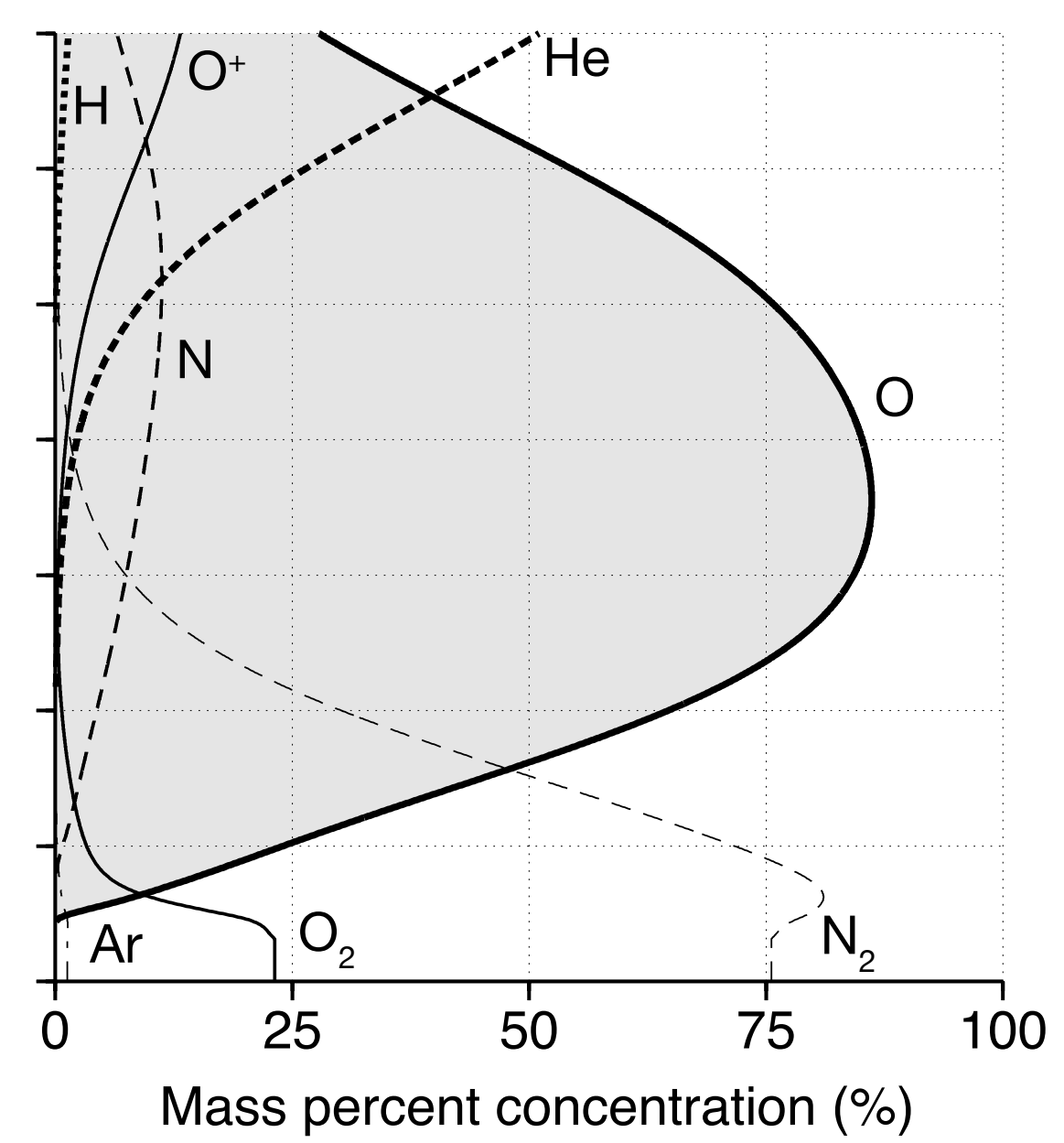
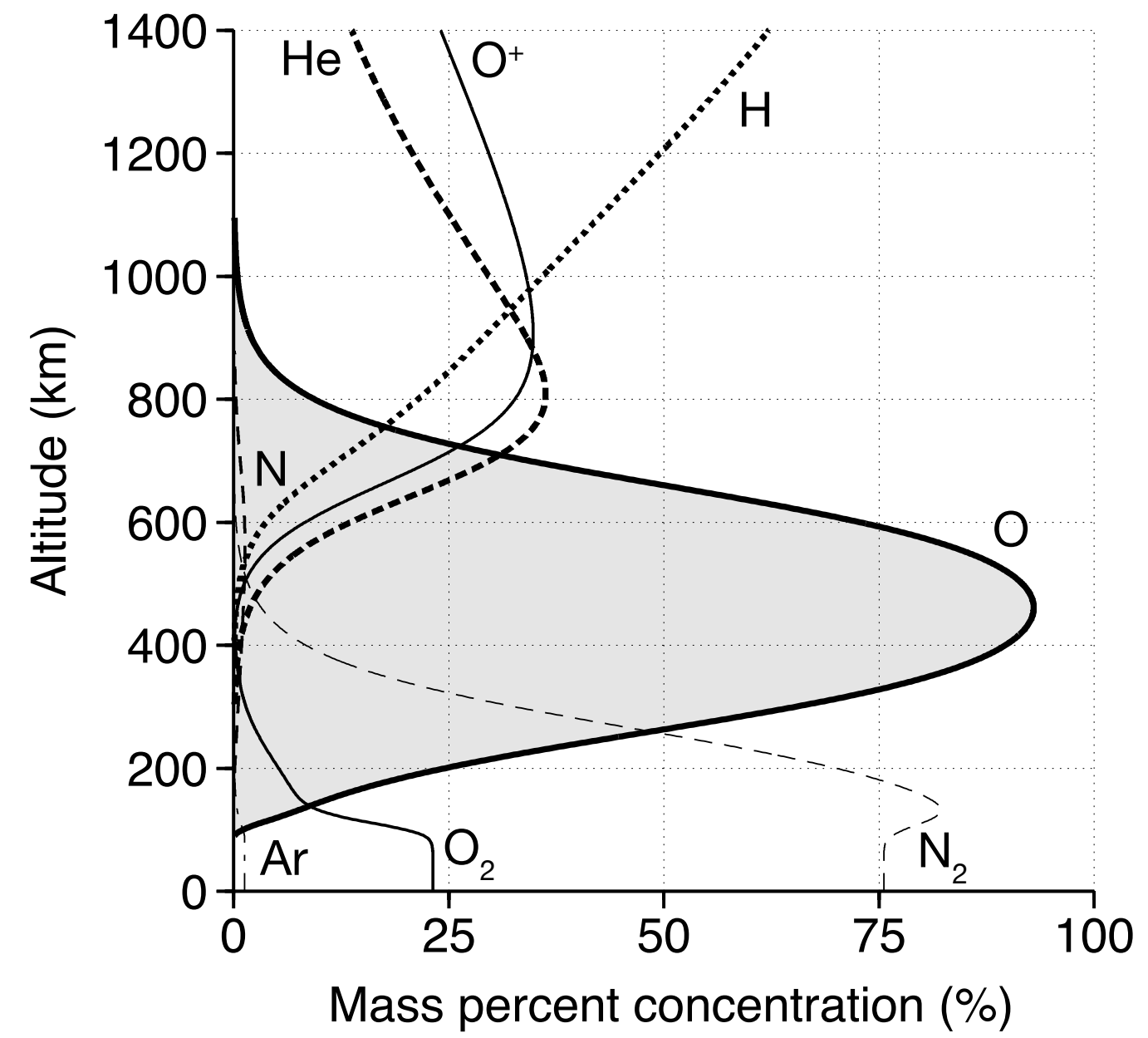
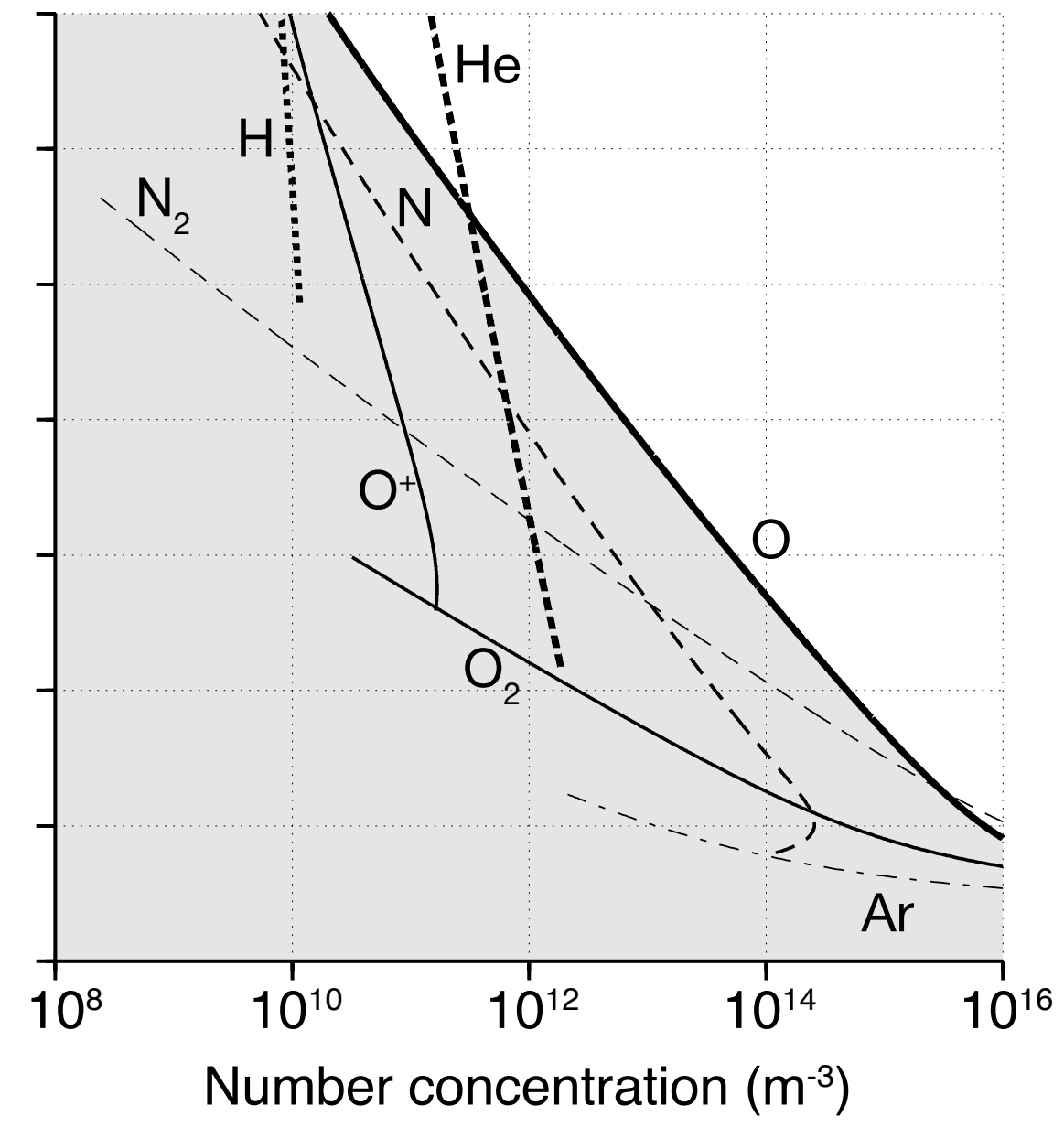
High activity (2000)



Low activity (2006)



High activity (2000)



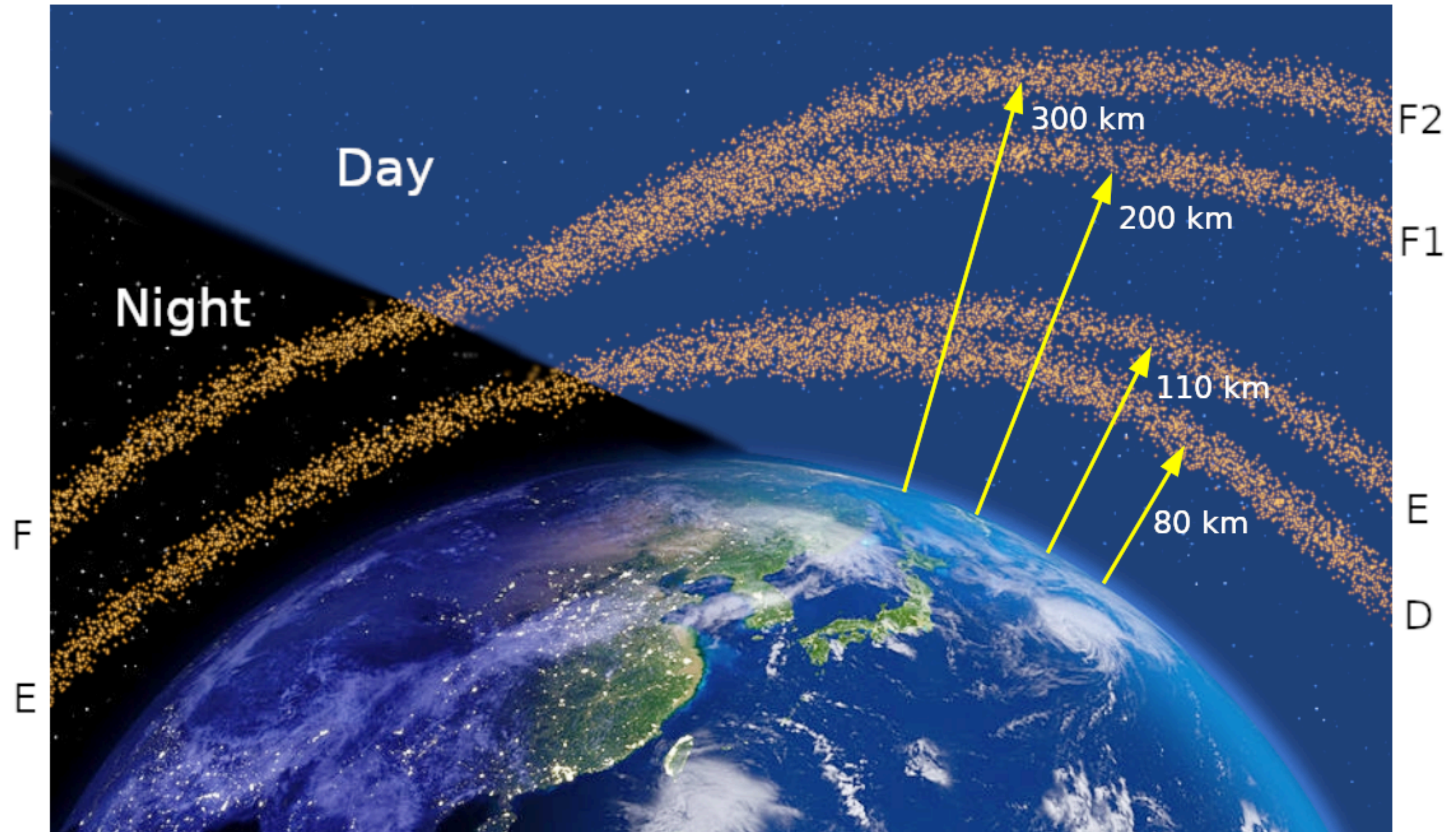
Ionosphere



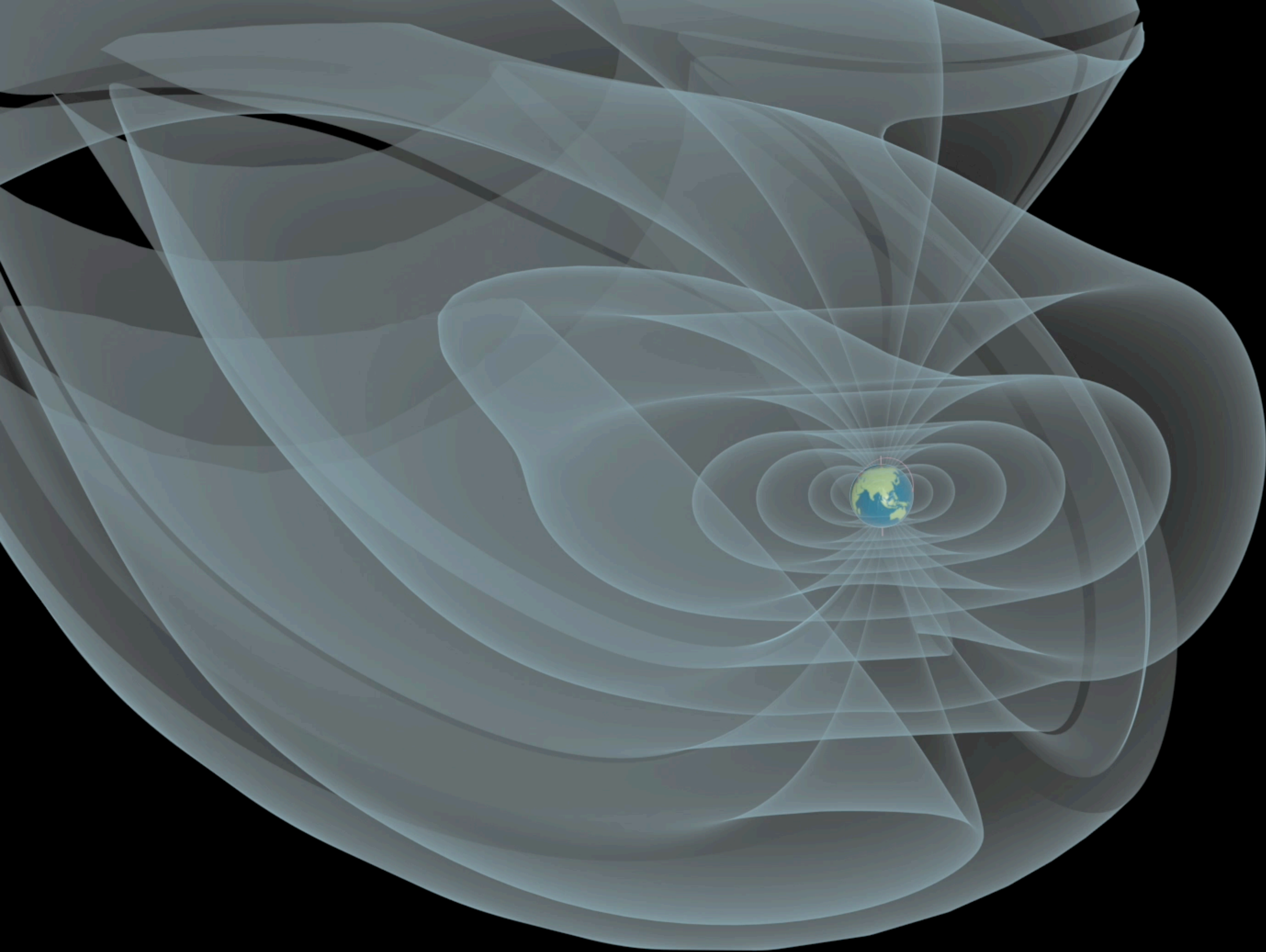
Atmospheric layer with free electrons.

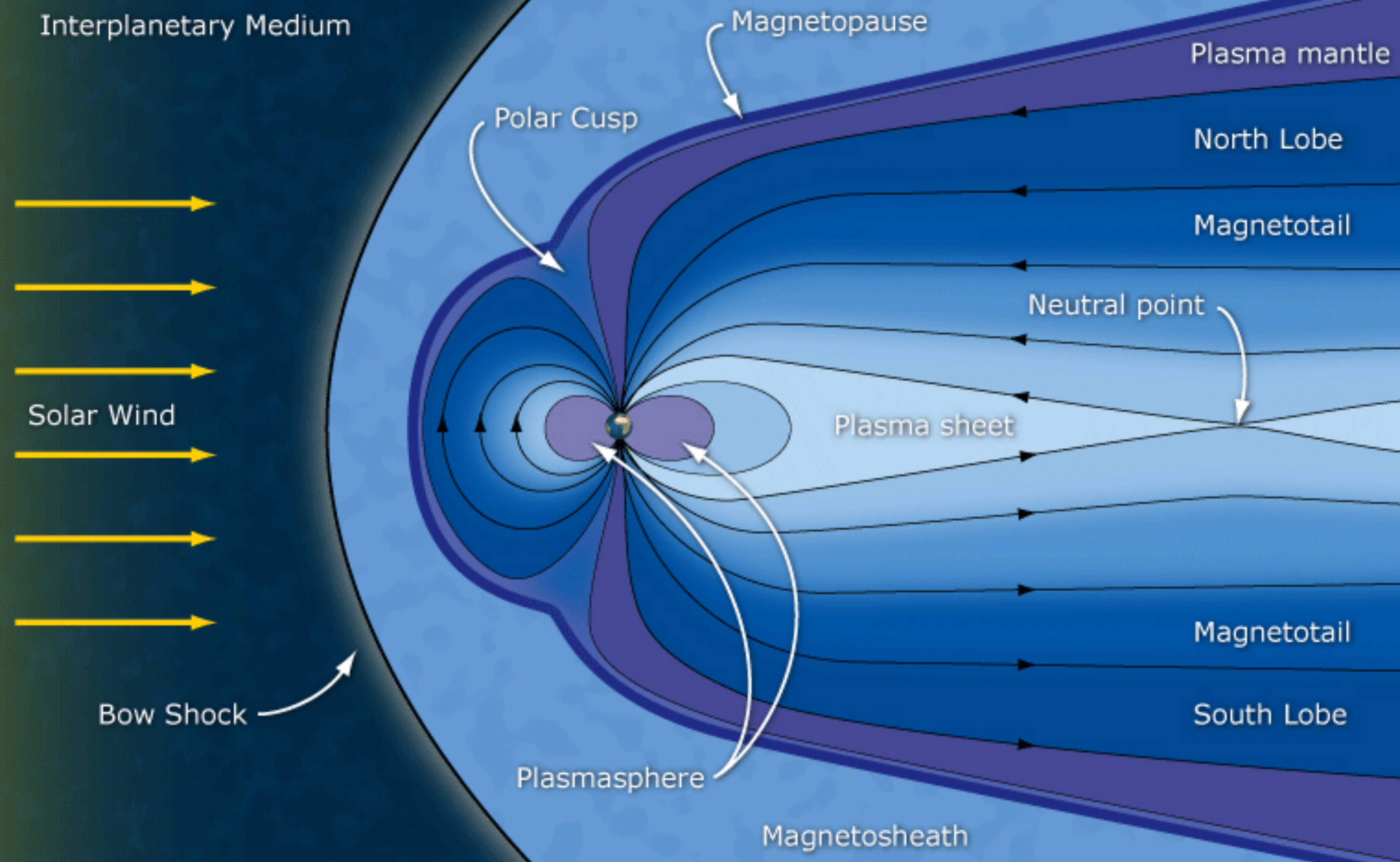
Ionisation by solar x-ray, extreme ultraviolet radiation and particle radiation.

Ionosphere

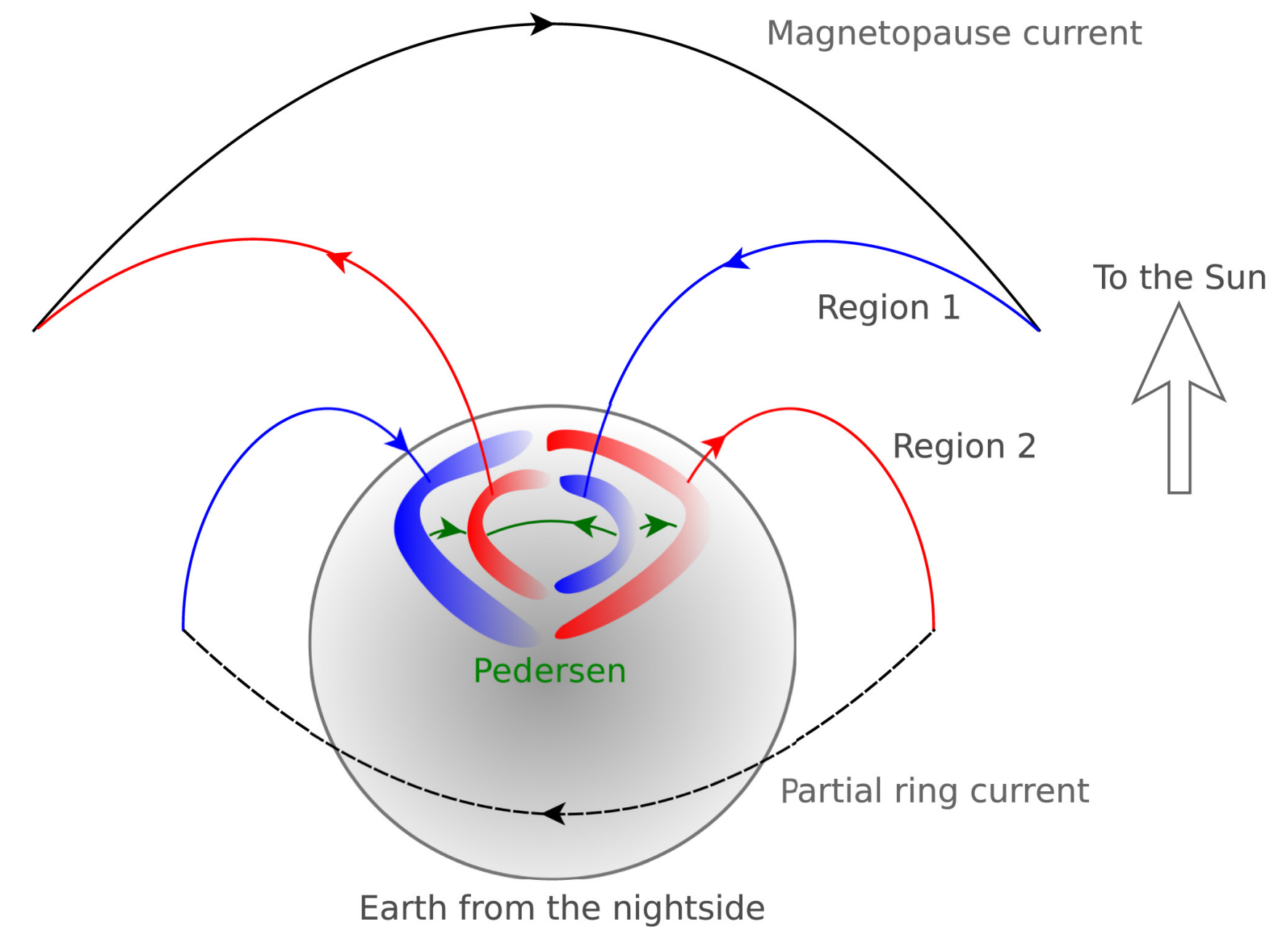
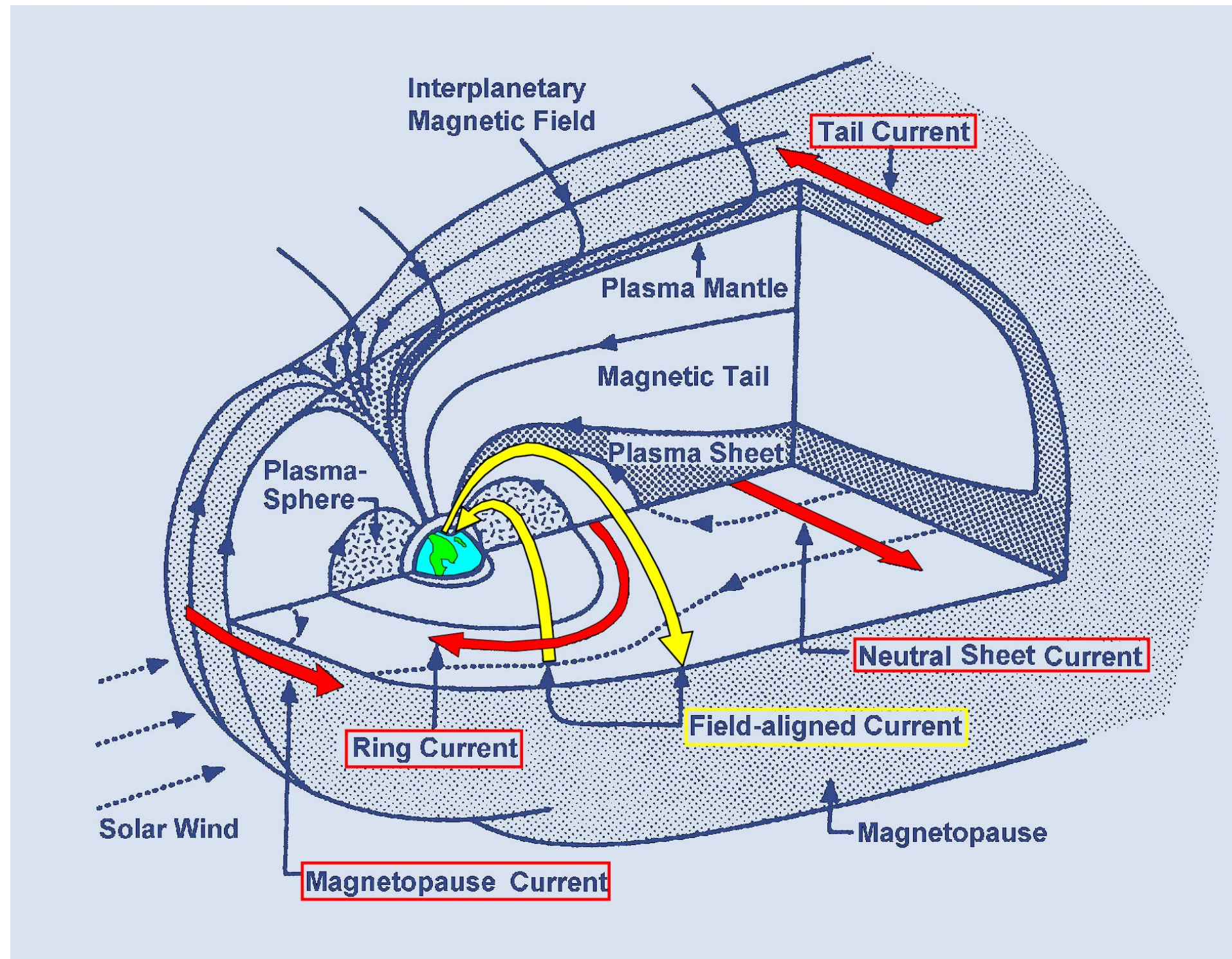


Magnetosphere





Currents



Space Weather - When solar energy meets the Earth's spheres.

