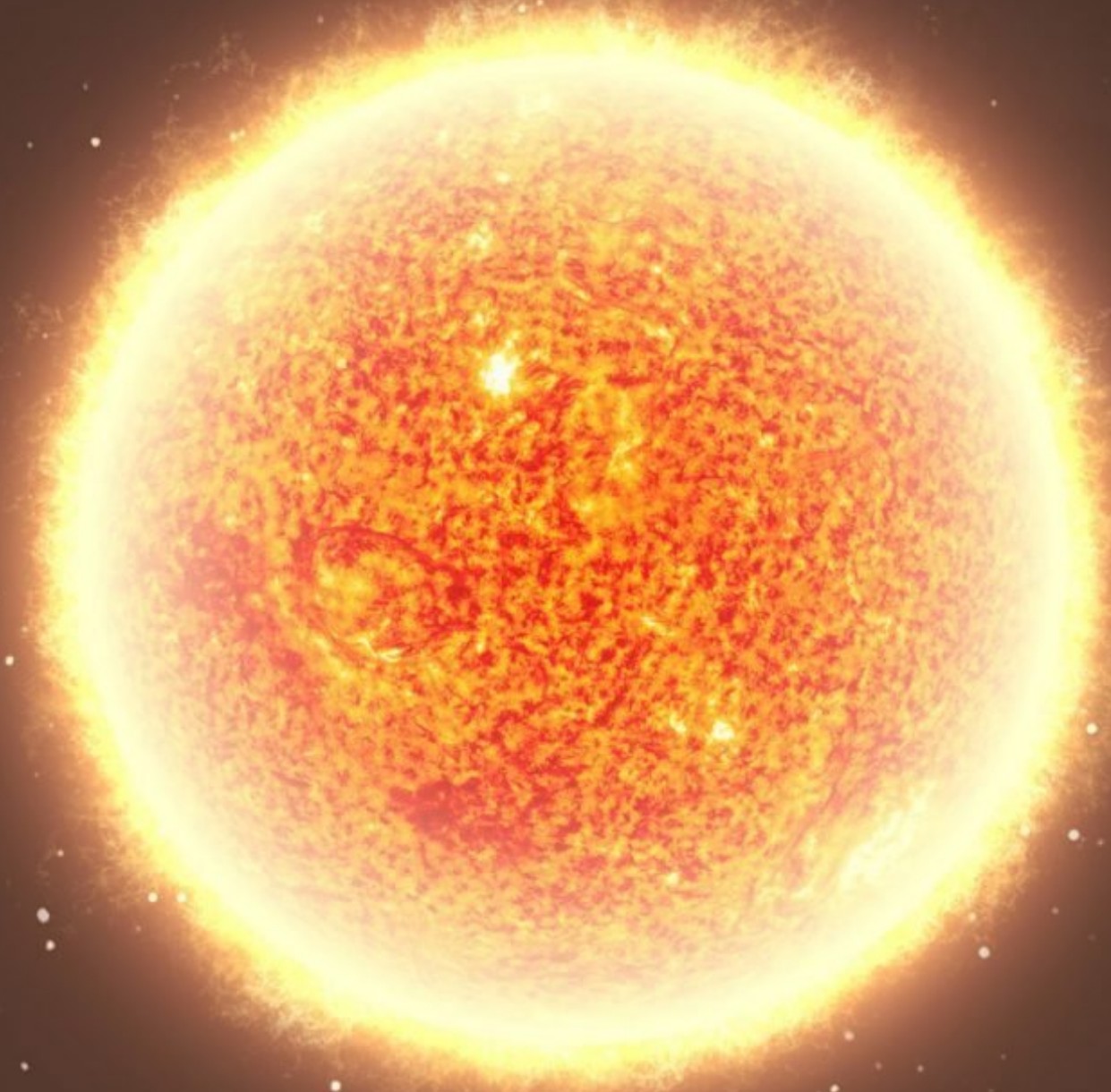
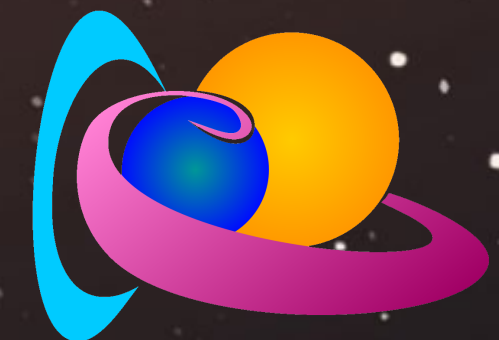


LARGE SCALE PICTURE OF SPHERES Around the Earth



Petra Vanlommel

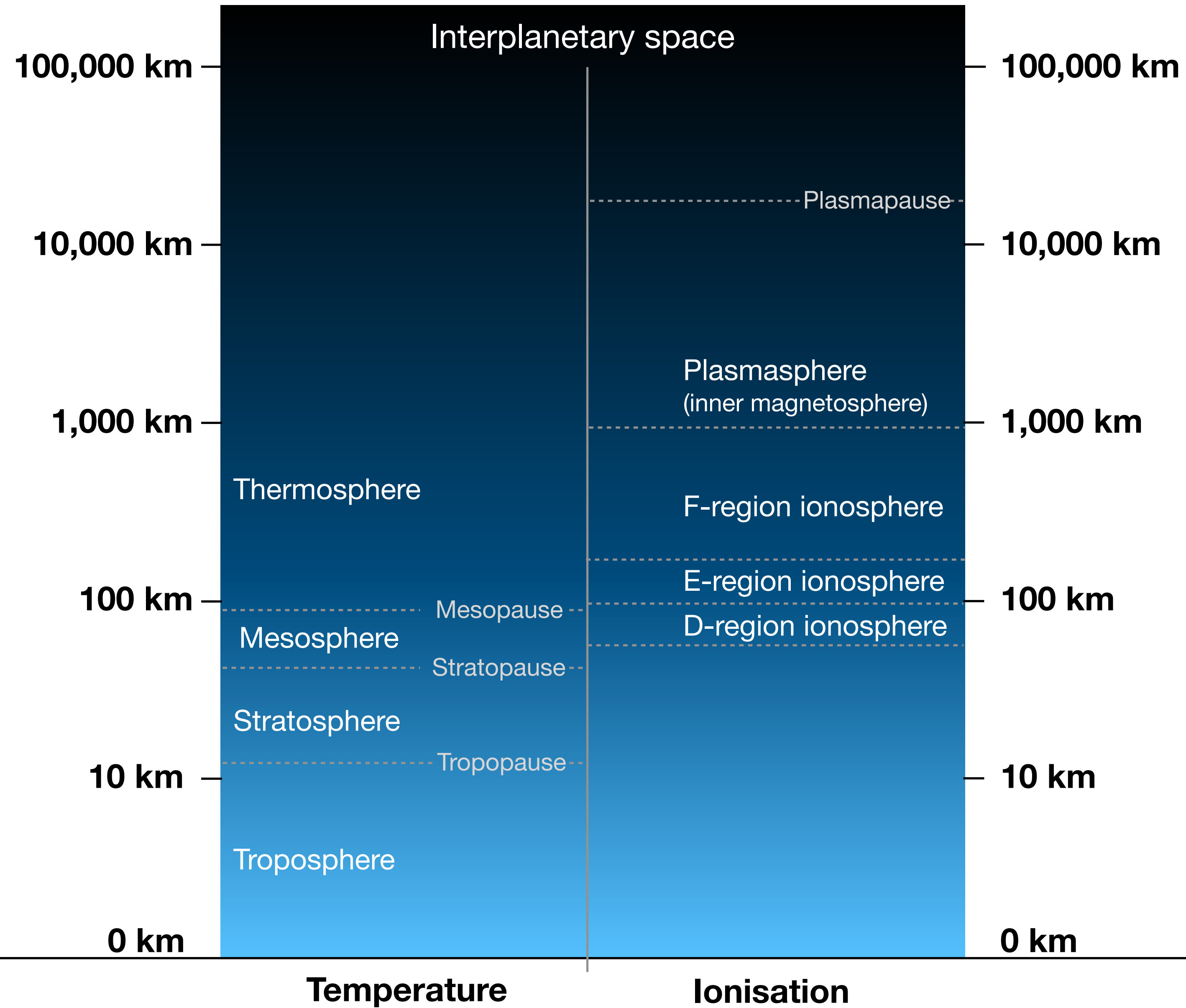
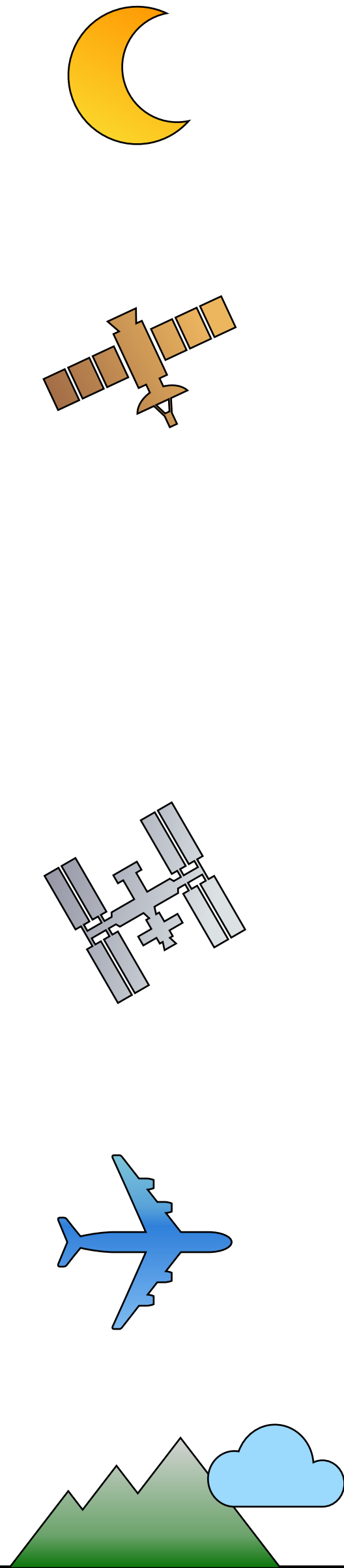


Solar-Terrestrial
Centre of
Excellence

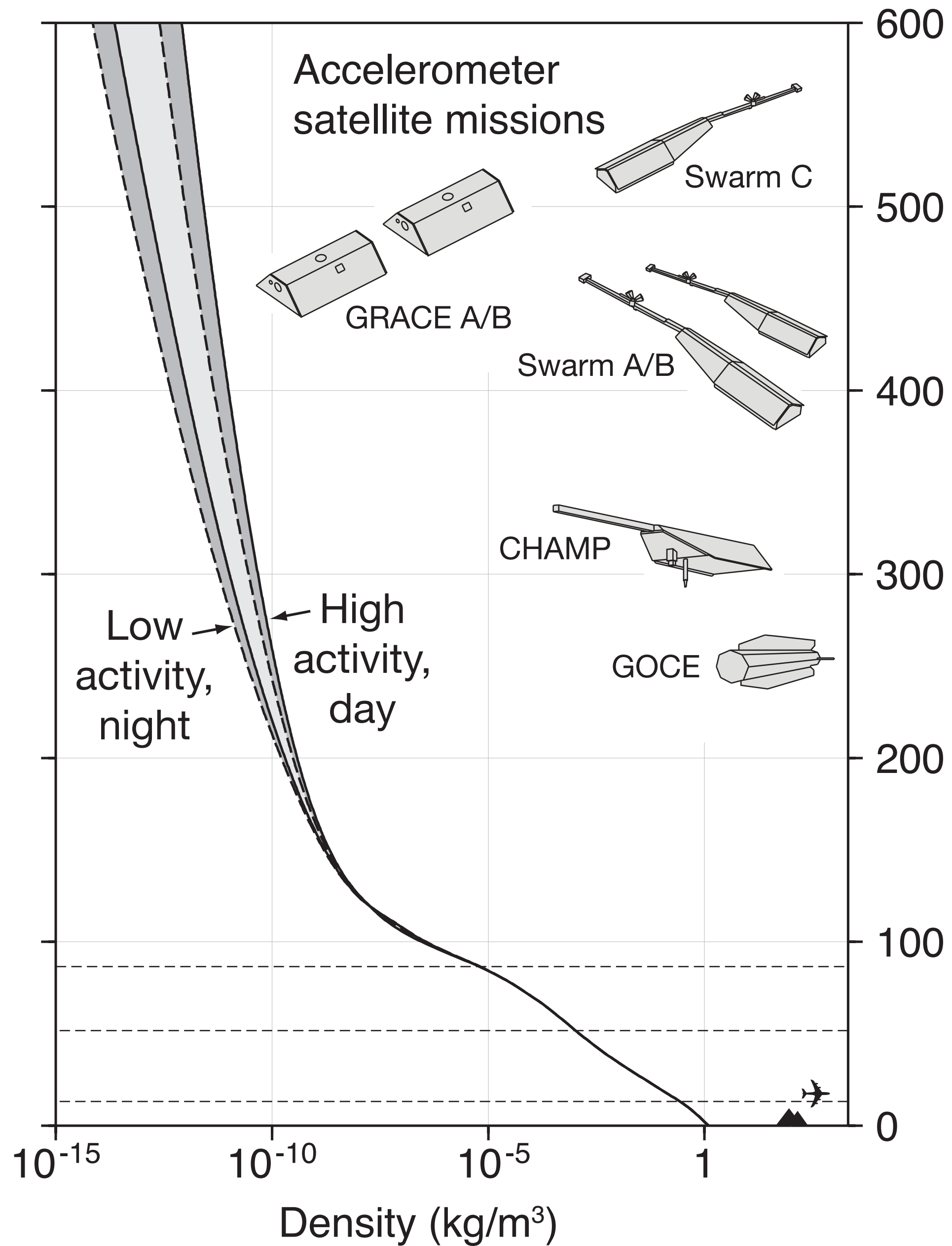
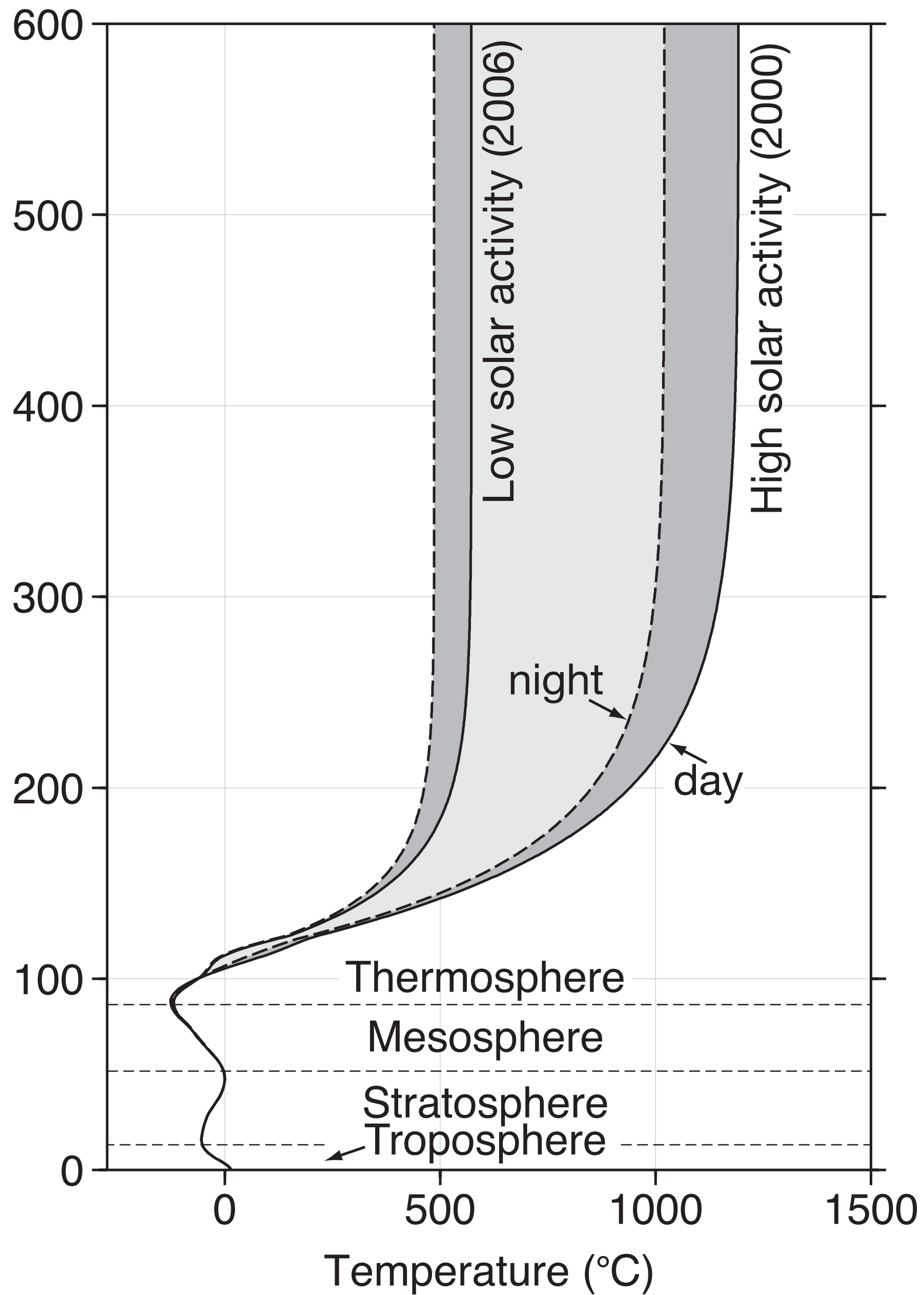
Large scale picture of the spheres around Earth

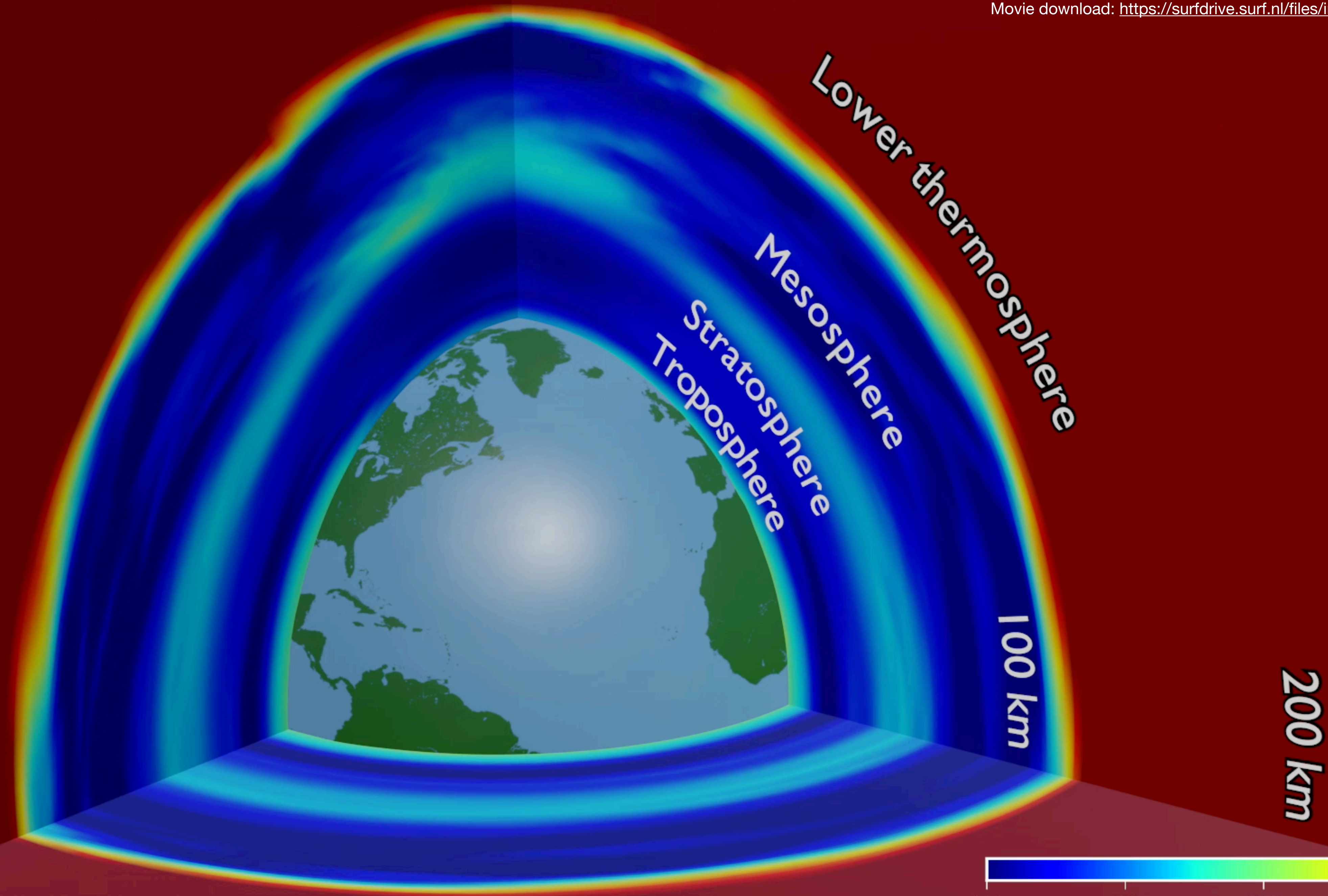
1. Earth's neutral atmosphere: troposphere, stratosphere, mesosphere and thermosphere
2. Earth's charged atmosphere: the ionosphere and plasmasphere
3. Magnetosphere

Classification and nomenclature of the terrestrial atmosphere

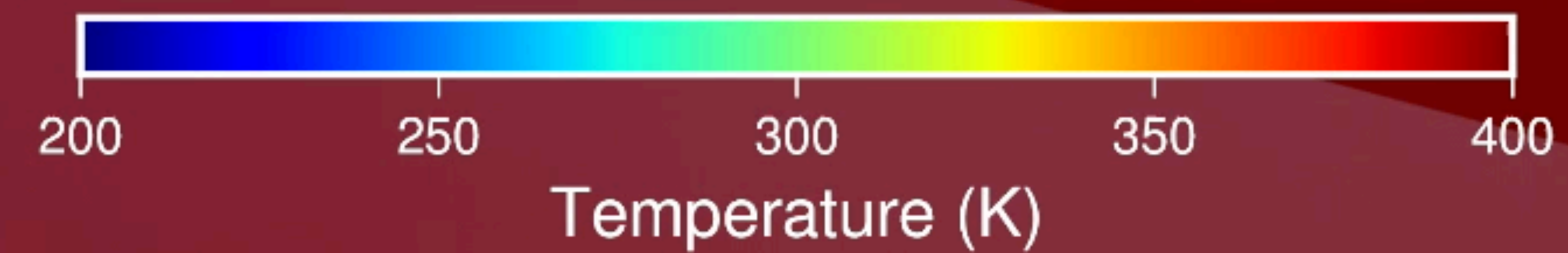


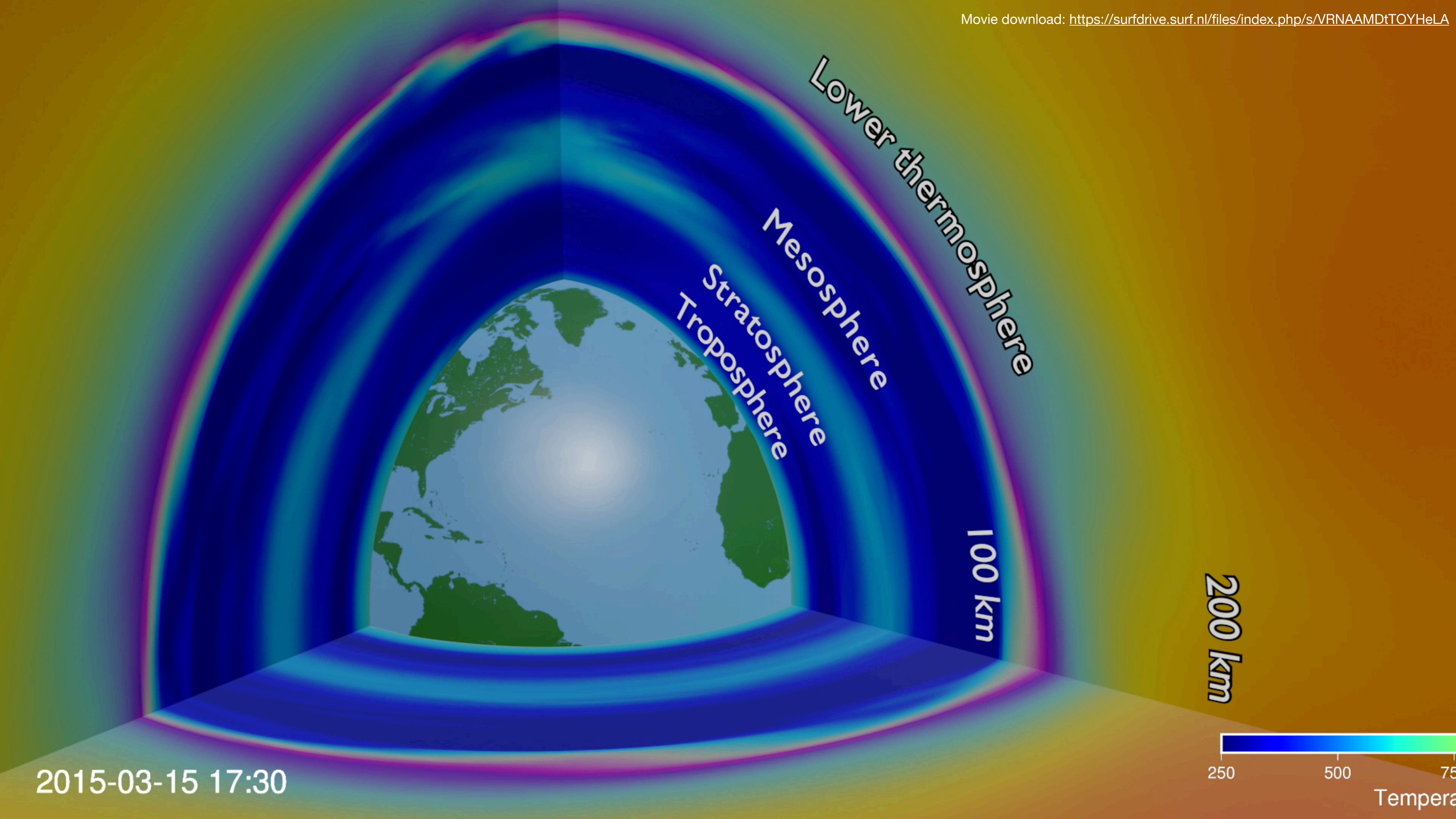
Altitude (km)



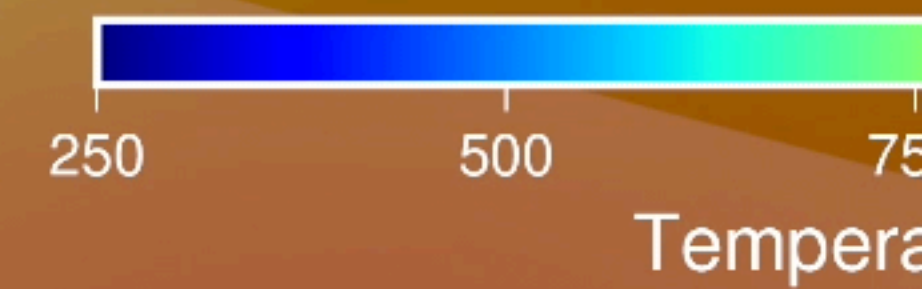


2015-03-15 00:00





2015-03-15 17:30

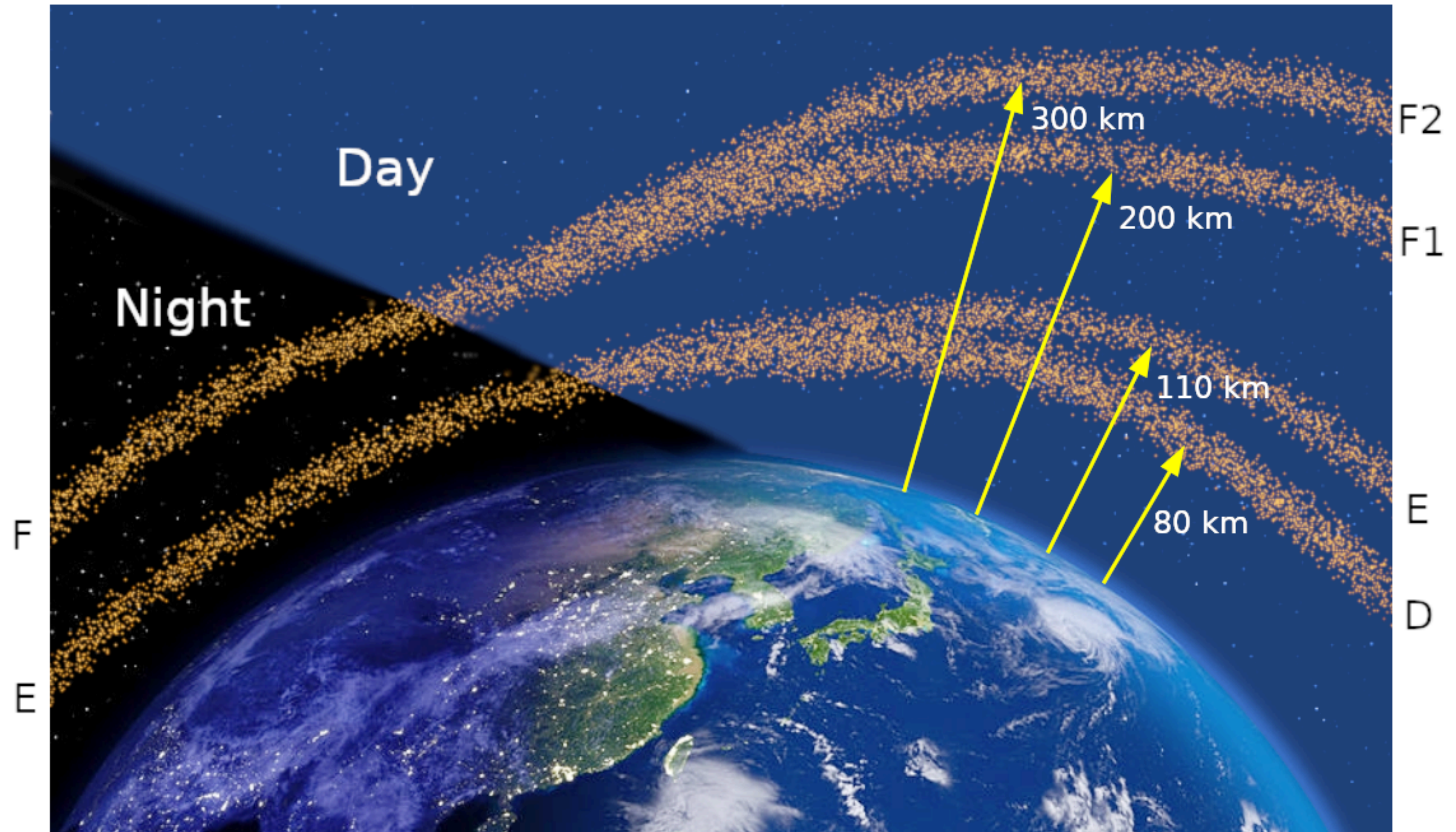


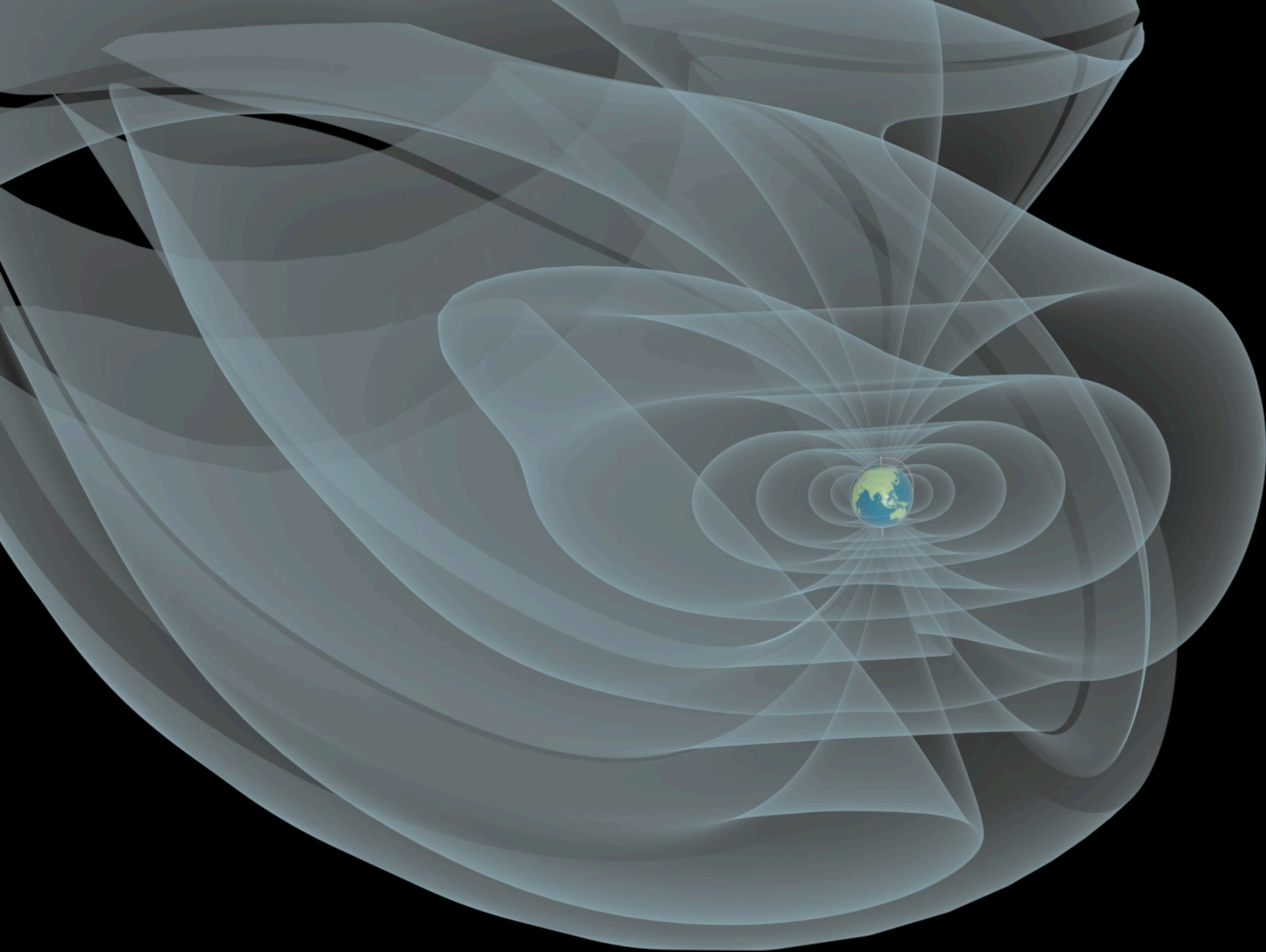
Ionosphere

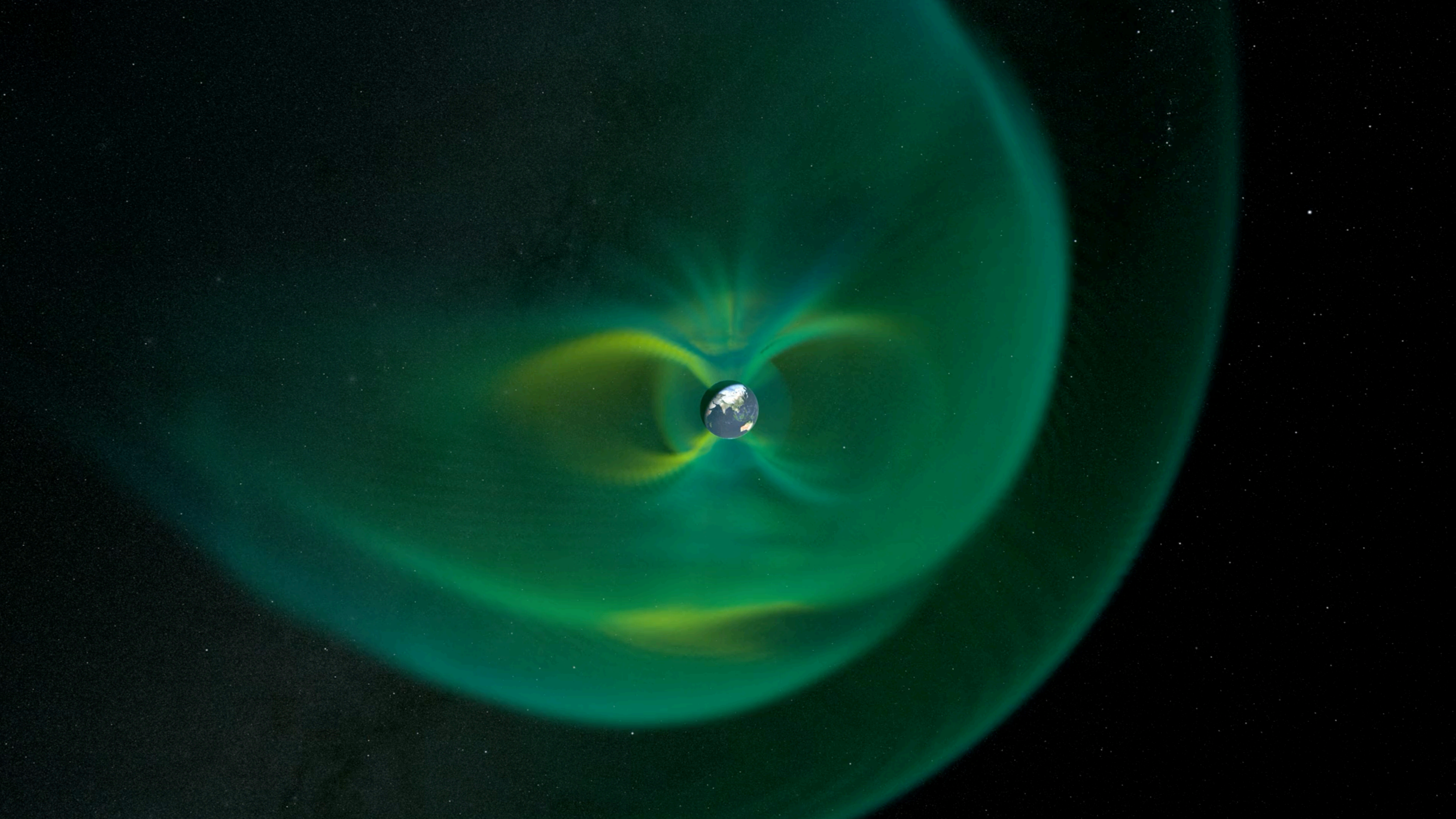
Atmospheric layer with free electrons.

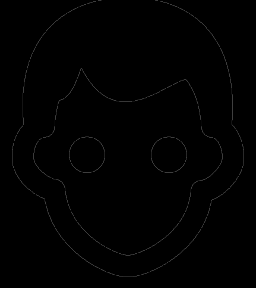
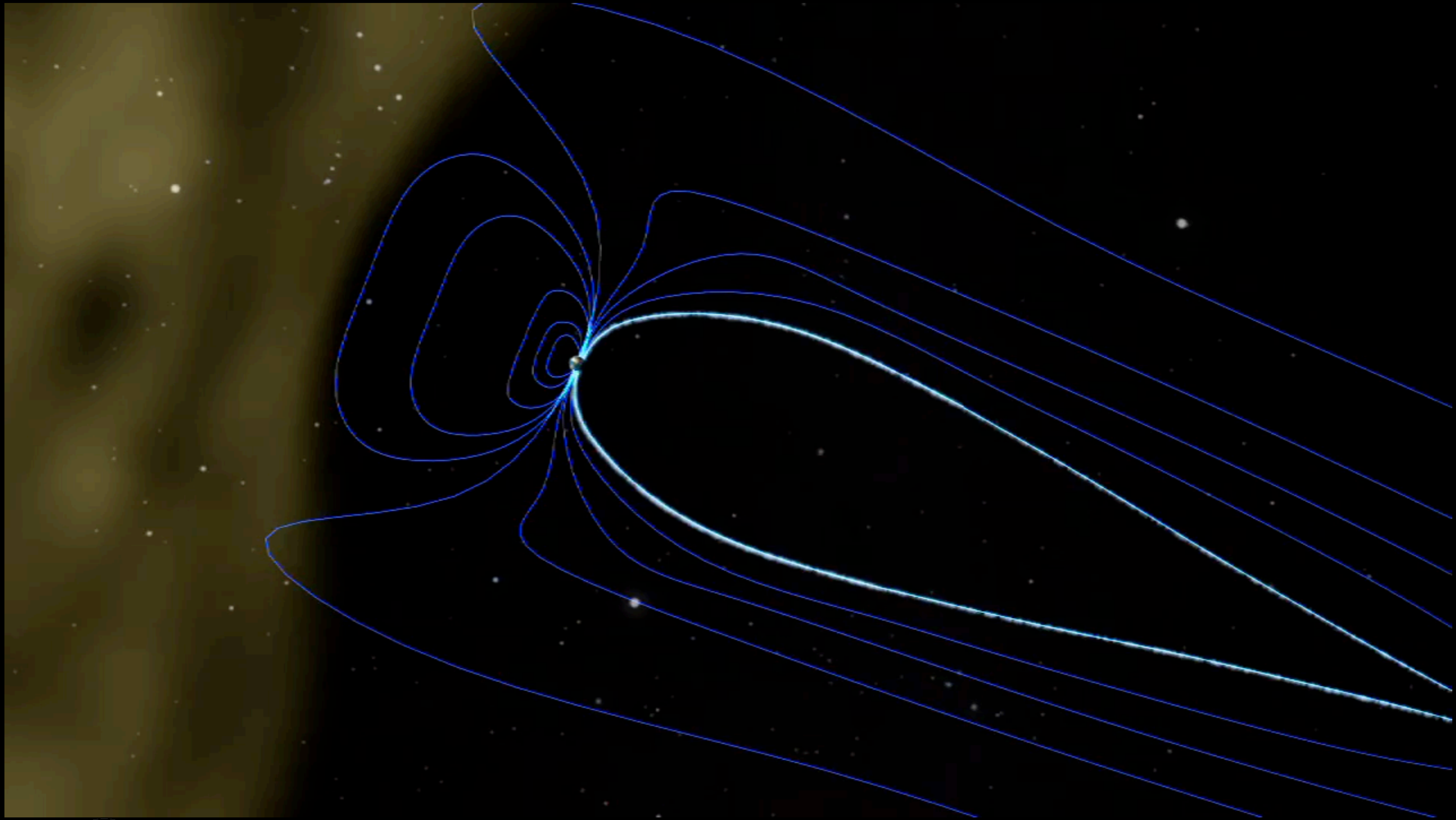
Ionisation by solar x-ray, extreme ultraviolet radiation and particle radiation.

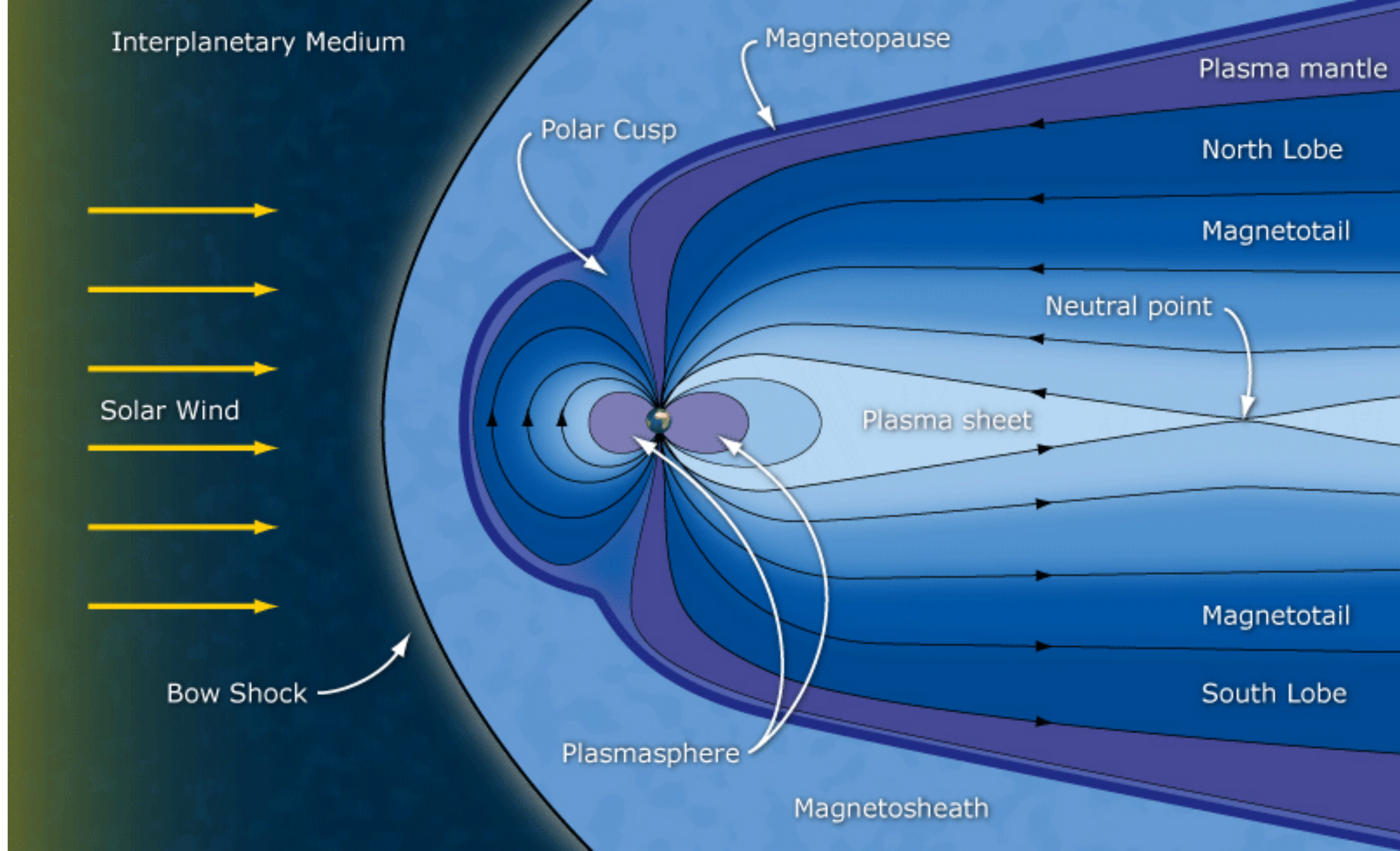
Ionosphere



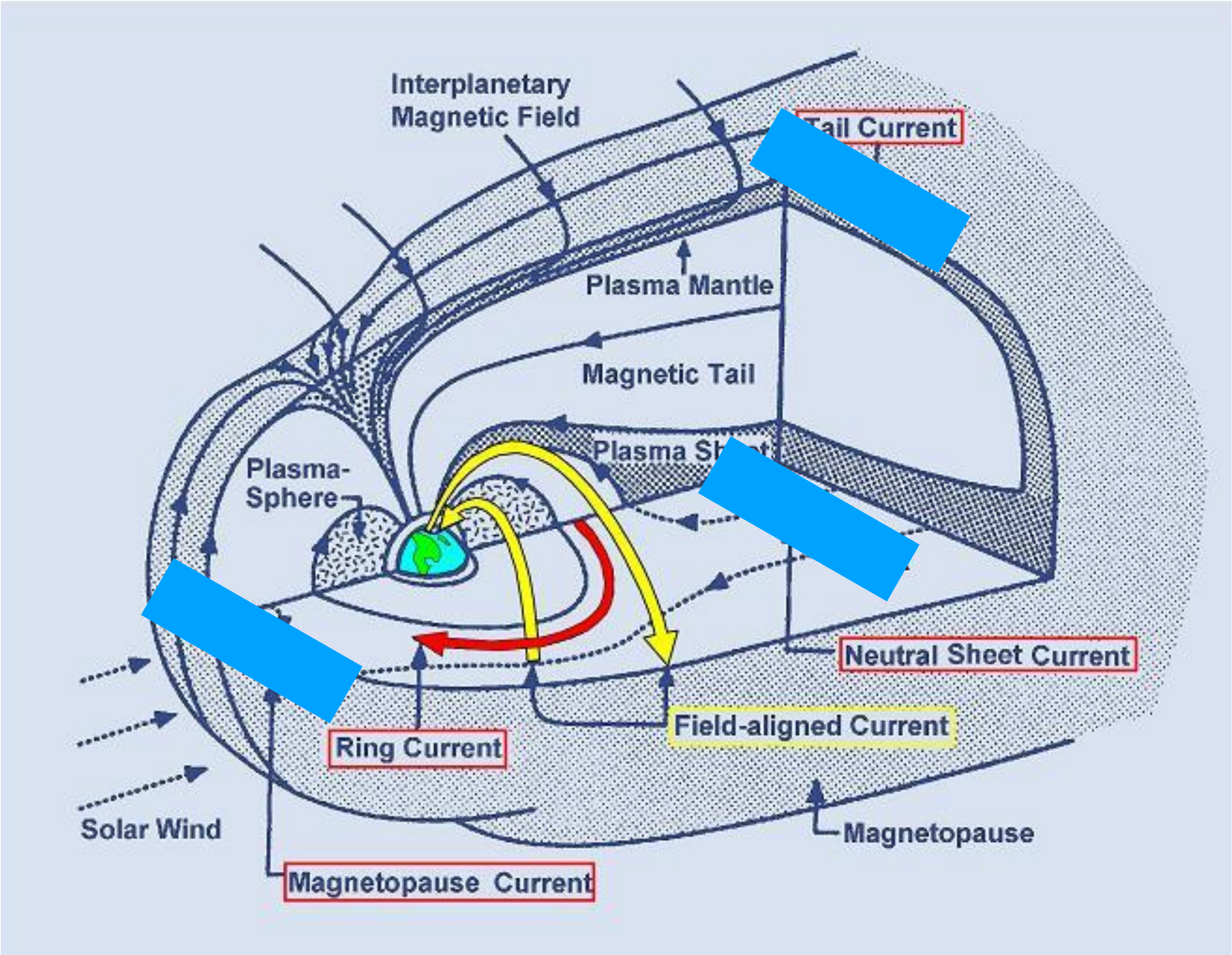




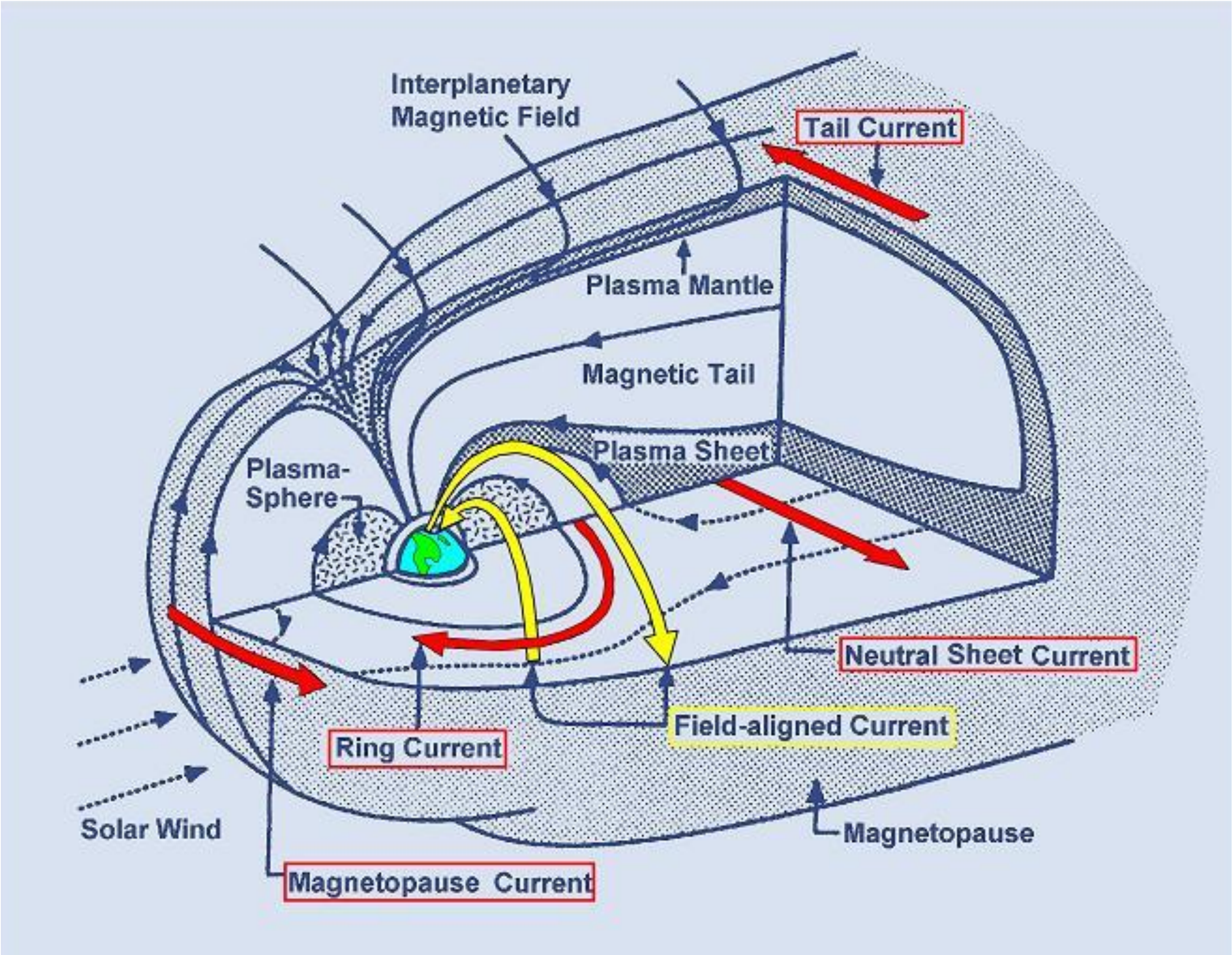




Magnetospheric currents, connecting the solar wind to the thermosphere-ionosphere



Magnetospheric currents, connecting the solar wind to the thermosphere-ionosphere



Currents

