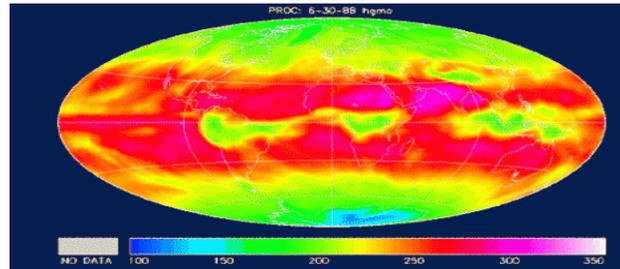
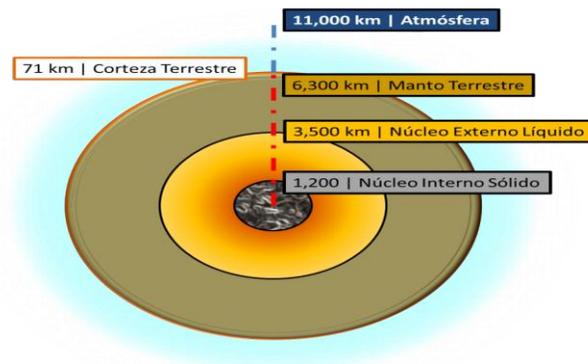


THE SOURCE OF THE HEAT FROM THE EARTH

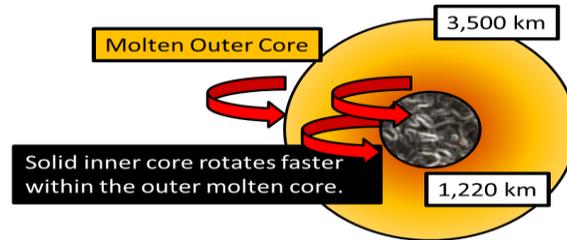


The heat from the Earth is an ongoing process that originates in its core. It is believed that the core of the earth is composed of iron (80%), nickel and other elements and is divided into two parts, one inner solid with a radius of 1,200 km. and an outer extending to a radius of 3,500 km.



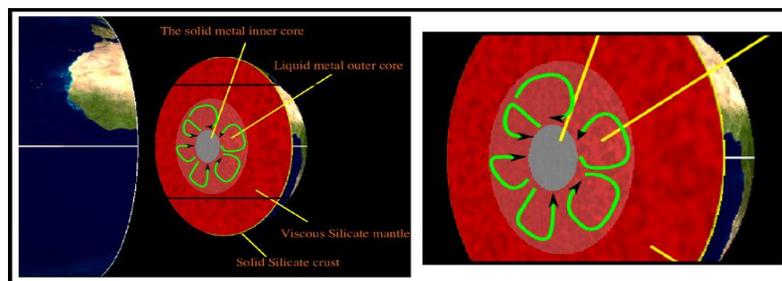
The solid inner core has movement and rotation effects of gravity and electromagnetism caused by its interaction with the Sun, within the liquid outer core, with a relative acceleration perpendicular to the axis of rotation of the outer

core also rotates (Coriolis effect) . It is possible that the inner core of the Earth to rotates a bit faster than the rest of the planet.



At the same time, in the outer core exists a dynamic convection process. As the molten iron is solidified by cooling in its interaction with the mantle, it will become more dense and will sink in direction to the inner core, leaving the lighter particles float to the mantle.

The inner core will increase its size that will allow the turbulent flow resistance by movement of the outer core liquid.

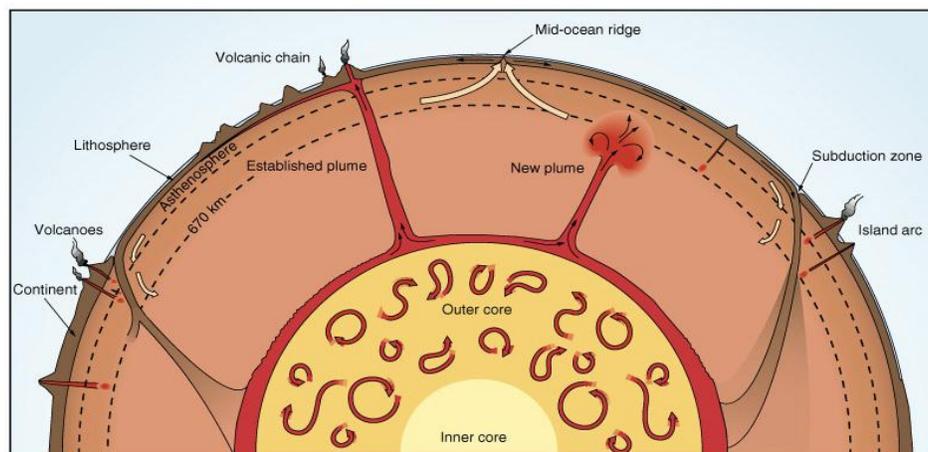


These motions occurs constantly and an unlimited within the core causing a large friction (or rubbing) between the core particles which results in vibration and heat,

but also which ensures the indefinite maintenance issuing an electromagnetic field with an emission of an electricity current and emission of charge that is conducted to the following upper layers of the Earth as this fluid has movement and deformation. This has happened from about 3,450 million years ago.

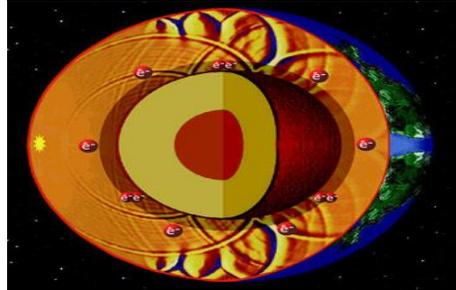
Toward the center of the inner core, the orientation of the rotation of the photons of the electromagnetic loads are canceled, therefore gravity interacts in an extremely strong way.

Heat is transmitted by conduction and convection, constantly generating vibrations and gradual movements in the mantle, plate tectonics, oceans and continents.



Photons can create an electron chained sequence of nickel and iron compounds provoking a large electric current within the core to other particles in the mantle, so it is said that the core will be ionized, but will instantaneously will take electrons

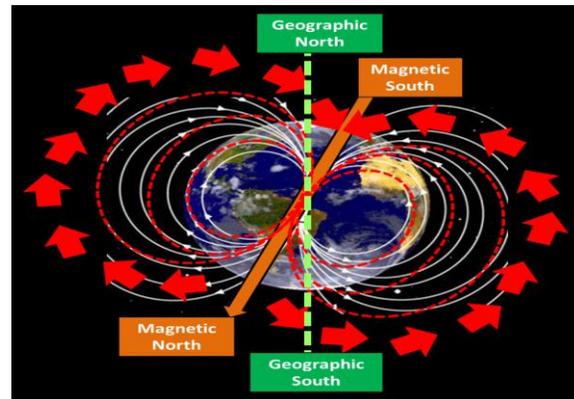
from the mantle in its interaction with it, creating a sequence where the charge is recycled.



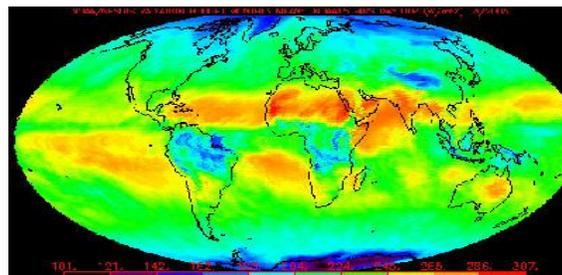
The photons are constantly emitted as radiation in an electromagnetic field in large quantities and distances extending to tens of thousands of kilometers from the ionosphere into contact with the “solar wind” which is a sort of river of high-energy photons from the Sun forming the “magnetosphere“. The electromagnetic field is emitted with a vector direction (electric field) and orthogonal rotation (magnetic field) equal to the rotation of the particles of the nickel-iron alloy.



Due to the rotation of the spherical solid inner core, the electromagnetic field. Most friction occurs where there is more surface, which is at the core Ecuador, most of the electromagnetic charge comes out from this area.

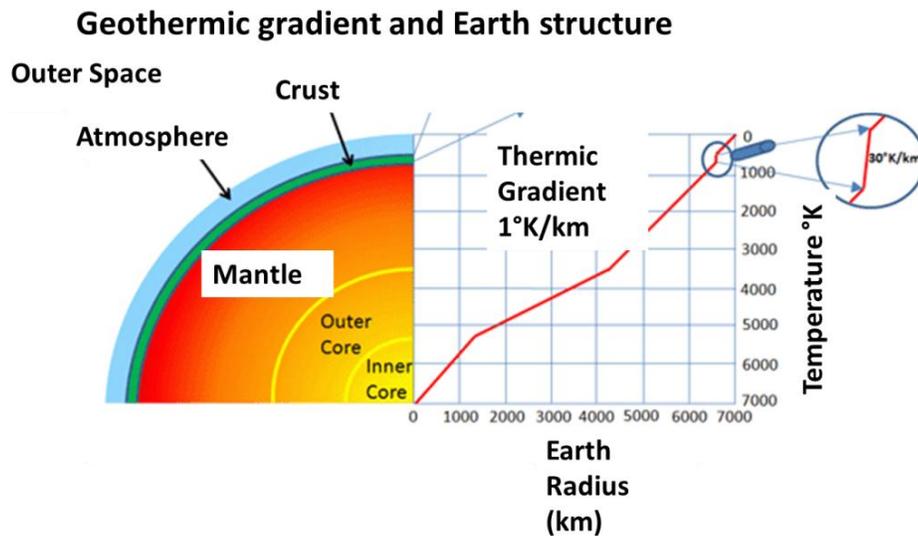


This explains why the emission of heat from the Earth is greatest near the Ecuador and less near the poles, while the intensity of the electromagnetic field is greater near the poles and smaller near Ecuador.



At a distance of 2900 km from the Earth's surface where the core makes contact with the Earth's mantle temperatures are estimated to range between 3200 and 5300 ° C, and pressures are up to 1.4 million atmospheres. This temperature

decreases as the crust is closer to temperatures between 500 ° C and 1000 ° C in the upper mantle at 650 km depth.



From the bottom of the crust which goes from 30 km to 90 km thick (at sea is of 5-10 km thick) the temperature will range between 200 ° C and 400 ° C. The temperature is reduced to about 1 ° C per 33 meters as we get closer to the surface where at 3m depth Earth's average temperature is around 15 ° C throughout the year.

Source: <http://www.artinaid.com/2013/04/the-source-of-the-heat-from-the-earth/>