Earths Molten Core ©: 2019 David Graham

Maintaining Heat in the Earths Molten Core
Heat is transmitter through radiation and contact. More often through contact. When one atom contacts another there is an exchange of heat from the hotter to the lower temperature atom. Heat is radiated through contact out from the molten core to the surface, most often through lava flows. Over time, say a thousand years, the heat from the molten core, if not replenished, would be totally dissipated. For the earths core to remain molten it must have a heating source. Sunlight does not penetrate the surface of the earth. Question? What is the heating source to maintain the core molten?

Electromagnetic
The earths molten iron core spins once every day, moving through the suns electromagnetic radiations. Each day any point on the earth moves with the suns EM fields and 12 hours later against the suns EM field. The earth also spins around the sun through it orbit, this too cause a fluctuation in the earths EM field. As the earth spins it becomes a dynamo with a 24 hour period and a yearly period. These periods imposes two different periodic fluctuation on the earths EM field. According to electromagnetic theory every motor or generator with a fluctuating field experiences hysterias loss or heat loss from internal currents and resistance. Engineers more often call hysterias loss $\mathbf{I^2R}$ losses. This is the mechanism by which the earths core replenishes its radiated heat loss.

Glaciation Periods
The third cycle is the time it takes for the sun to traverse a complete cycle through the mass center of our universe, estimates at 56,000 to 58,000 years. This causes larger fluctuations in core temperature. As the sun moves in its expansive orbit, it exposes the earth to the electromagnet fields of various other stars and their EM fields. This long term cycle greatly effects the earths core temperature as manifest in glaciation periods. Each small and large glaciation periods dramatically affects heating and cooling of the earths core through hysterias loss as indicated in ice core samples.

These periodic cycles of glaciation will give researchers a means to measure the suns orbit around the center of mass of our universe.

This expansion and contraction of glaciers and the earths core temperature has gone on for millions of years. There is a direct causal relationship between the two. When earths core temperature slowly rise this causes glaciers to melt. When earths core temperature slowly but steadily fall, this causes glaciers to expand.

There is a second mechanism through which the earth can receive energy and possibly heat from other stars and that is a worm hole, recognizing that in thermodynamics energy and heat are interchangeable

Rising Earths Core Temperature and **Melting Arctic Ice**
In periods of Rising Earths core temperature the earths core heats up and expands. As the core expands it forcing the crust to move and in places crack or fracture. From these cracks and fractures heat and lava boil up from the molten core into land and oceans. These fracture are known as “the ring of fire”. A new ring of fire is opening up from the Aleutians through the arctic to Greenland and south into the Atlantic. The evidence for this new “ring of fire” is the sudden and rapid melt of the arctic ice from the bottom up.

Oceans Levels
Oceans levels are not affected by the melting ice, as long as there is ice in the ocean, because of Archimedes principle. This can be demonstrated with a glass of water, 2 ice cubes and a felt pen. Take a glass of water half full. Mark the water level. Add a couple ice cubes and mark the new water level again. The water level automatically adjust to the floating ice. Environmental scientists do not agree with this but what do you expect from voodoo scientist.

There is a large differential rate of expansion between water in the ocean and the earths crust i.e. pot, which holds the water. Having done the calculation we can state that the oceans water will expand volumetrically by a factor of 125 times that of the pot or crust. This is not a concern for mankind because this is part of a larger system. All systems will make adjustment for variations in their subsystems.

Water is a good conductor of heat. The ocean will conduct the heat away from the hot spot and absorb the heat by melting ice, leaving the ocean level unchanged. In engineering this is called a BLEVE, Boiling Liquid Evaporating Vapor Explosion. This will continue as long as ice float in the ocean, before it explodes into a problem. Then we may have a problem with rising ocean levels but not likely, because the earth is likely to move into another small glaciation period and the core may start o cool slightly. leaving ocean levels where they are.

It is a shame scientists who claim to be experts on global warming have not bothered to study the engineering principles of thermodynamics and electromagnetic.