

Earth's Missing Geothermal Flux

I have struggled with the 'missing geothermal flux' from Earth's apparent gigantic fission energy for many years. In a number of articles and in my chapter in the science textbook, "Slaying the Sky Dragon", I have made the point that Earth's fission rate changes are the most likely cause of the periodic fluctuation in ocean temperatures. In addition, the Earth's fission operating between two base states sets the lower Glacial Period and upper Inter-glacial Period temperature limits.

The huge problem has been where this energy manifests itself, since apparent geothermal energy release seems isolated and of low magnitude. I had reviewed the article "Ocean Heat Content and Earth's Radiation Imbalance" by Dr David Douglas and Dr Robert Knox [1] when it was issued and had several email exchanges with Dr Knox on the Earth fission paradox. The Douglas-Knox article was sent as an attachment on a recent email and after rereading I was struck again by this quote:

"The flux into the ocean and trenches averages 101 mW/m^2 and into the land and shelves averages 65 mW/m^2 (globally averaged 87 mW/m^2)

Douglas-Knox then go on to compare the assumed solar flux of 340 W/m^2 to this ridiculously low 0.087 W/m^2 for Earth's fission. There is intuitive evidence that Earth's fission energy is far greater than this, given the core temperature estimated at least $8,000^\circ\text{F}$ and a uniform temperature world wide of at least $2,500^\circ\text{F}$ just 40 miles below the crust. This is NOT left over heat of origin and can NOT be from solar input. The question is how is the excess heat of Earth's fission controlled and manifested at the surface?

The answer is that the Earth behaves as a gigantic, one way refrigeration cycle. The '**compressor**' is the near constant production of 'elemental' atoms and compounds in the daughter reactions to fission decay. These newly formed atoms are either gases or rapidly form simple gas compounds under the extreme temperature and pressure of this 'reverse fractional distillation' geologic process.

These high pressure gases then vent along thousands of miles of under-sea rifts, most located in the 3,000 to 7,000 ft depth range. These newly formed elemental gases are then released under very high pressure into high, but lower pressure water. This causes instant condensation to liquid, or in the case of elemental water and Methane, into solid Methane-Calthrate crystals. The deep ocean is then the '**condenser**' in this refrigeration cycle.

These now low temperature and high pressure gases mix with the ocean currents, rising and outgassing to maintain equilibrium with the atmosphere in accordance with Boyles and Henry's Laws. The ocean-air interface is then the '**evaporator**' in this cycle. These elemental gases become 'open-loss' refrigerant in the atmosphere.

Evaporative coolers (aka swamp coolers) are a common appliance in hot dry climates. Warm dry air is blown across a water soaked mat and is cooled by evaporation. The water is the 'open-loss' refrigerant carrying away 890 BTU of heat for every pound of water evaporated.

As super-cooled and elemental gas (turned liquid) flows emerge from the under-sea rifts, this dense fluid mix descends to the deeper ocean floor where less than a half mile of sediments separate the ocean water from 2500° F molten mantle rock. Massive amounts of thermal convection occur in these ocean floor zones.

The complete Geothermal Flux is the sum of hot elemental gas phase change to liquid along tens of thousands of miles of ocean rifts and the convective exchange across millions of square miles ocean floor. The change in just a fraction of a degree in temperature along these great areas is all that is necessary for massive climate change.

There are then two processes that have hidden this refrigeration cycle from the less than curious minds of current science community. First, the condensation and solidification at the ocean depths removes the high gaseous heat in exchange for an aqueous-refrigerant chemical mix. Then, much like those in beer, wine or soft drinks, ocean currents raise these entrained gases to warmer, lower pressure depths and these gases are released. These gases enter the atmosphere where the next phase of nature's deception occurs.

These now 'excess' atmospheric gases are under constant erosion from solar wind and molecular decay. The fact that Earth's elemental gas production is in near equilibrium with this atmospheric loss further conceals the refrigerant aspect and gives the appearance of a 'constant' atmosphere.

Freed from the ridiculous assumptions about Earth's fission rate, we are now able to debate the causes of the periodic fluctuations in fission that are the root cause of the El Nino/La Nina effect. There is an obvious solar cycle trigger to these fission induced ocean temperature changes.

Neutrinos do not leave proxies, but it is highly probable that solar and galactic radiation controls the Earth's fission rates and that sudden cosmic ray bursts can increase fission and the easily observed outcome of volcanism. It is almost certain that variations in the base state of these radiation forces are the prime climate driver.

Insight into these true Earth science processes began with the correct assessment of the geo-nuclear force presented in “Motive Force for All Climate Change” [2]. This led to the insight that petroleum is in fact an ‘elemental molecule’ from fission reactions. This is explained in “Fossil Fuel is Nuclear Waste” [3]. Recognition that the Earth is indeed capable of creating extended Hydrocarbon chains came this week from Lawrence Livermore National Laboratory.

While government scientists have now finally admitted that Methane can form larger molecules they have yet to make the discovery that Methane is a daily by-product of Earth’s great fission furnace. The first step in this journey is the hardest and I will assist the LLNL scientists in completing their understanding of our lovely and complex planet.

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[1] http://www.pas.rochester.edu/~douglas/papers/Douglas_Knox_pla373aug31.pdf

[2] <http://www.climaterealists.com/index.php?id=3427>

[3] <http://www.canadafreepress.com/index.php/article/28111>

[4] <http://www.llnl.gov/news/newsrelease/2011/Apr/NR-11-04-04.html>