

GreenInversion: PEQ // Continental Drift // GraphiteGlobe Synthesis

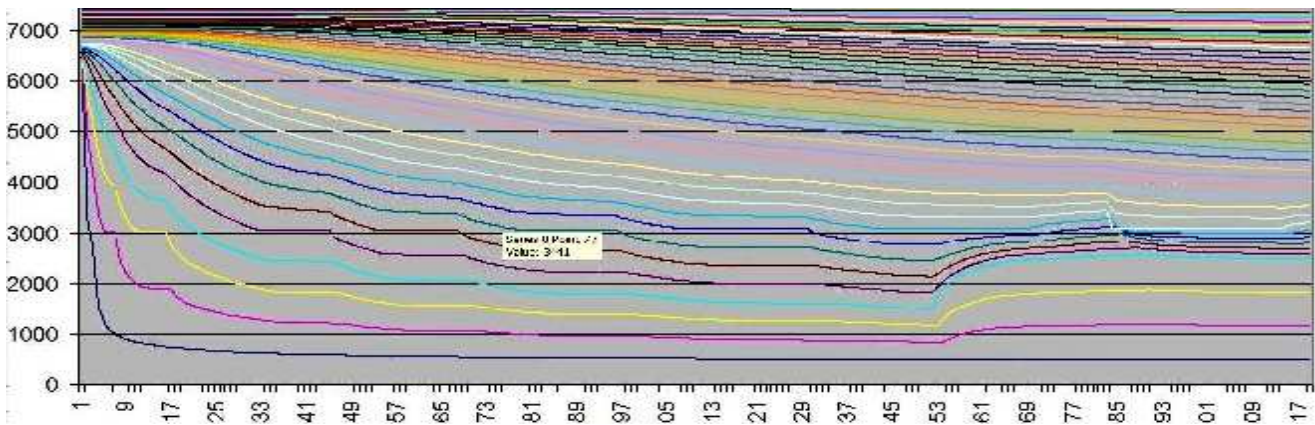
1. **QUESTION:** (1) Whether graphite is a necessary tectonic lubricant (2) whether continental drift augments the global heat balance and (3) whether continental drift is a necessary greenhouse constituent.

2. **ANSWER:** YES, graphite is the only substance that would facilitate continental drift and nascent heat rationally.

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4. **DISCUSSION:** In order for the tectonic plates to become mobile the friction coefficient between the crust and the mantle must be substantially lower than unity. Graphite is the only known substance (an amorphous product of carbon) that was (1) plentifully endowed with the formation of the earth (2) that has a melting/boiling temperature in EXCESS of the formation temperature of the earth (3) that is chemically inert and (4) that has the ability to facilitate extremity lubrication. Assuming a 25mile graphite layer, topical crust thickness of 75 miles and a friction coefficient of 0.05, the resultant temperature rise a drift rate of 0.01ft per year amounts to 278.5F. In accordance with the (PEQ) “macro” model a 500Myear (3.5-4Byears after formation) cumulative gradient gain of 1,000F has been rendered (that effectively doubled the heat flux into the atmosphere). The resultant magna heat gain hence amounts to $Q = (2x) (340/140,000)x2x5.6x10^{15} x5,580 = 304MBBtu/year$ (which equals the rate of man made fossil combustion of $300MBBtu/year$ at the year 2000 rate). However given that the initial (post fracture) drift was substantially higher, continental drift offered the means to unlock the 1st ice age 1Byears ago that was turning the world into a lifeless “ice cube”. Continental drift // GraphiteGlobe is hence a necessary and essential “geenhouse” constituent as to countering deep space radiation heat loss and facilitating life-on-earth as we know it.

5. CONSLUSION: Tectonic divergence OR continental drift is a factual impossibility without a HIGH-efficiency lubrication envelope. The immense gravitational reaction force of the crust of the earth will fuse the tectonic plates into the mantle as a consequence of pressure notwithstanding the separation OR layering of the crust as a consequence of thermal stress. Only graphite has the ability to facilitate fractional friction coefficient that would facilitate continental drift that would generate the necessary and essential global heat-load balancing factor.



Computational tabulations (Source: <http://polarequilibrium.com/pdfs/PEQ.Macro29Sep09.pdf> /)

$$T(m, n+1) = T(m-1, n+1) - (dX/(dX/2+z2)) * (T(m-1, n+1) - TK) \quad 1,000 \text{ Miles} = 5,580,000 \text{ ft}$$

$$G \quad T(m, n+1) = T(m-1, n+1) - (dX/(dX/2+z2)) * (T(m-1, n+1) - TF) \quad 40x \text{ layers} = 140,000 \text{ ft/layer}$$

$$D \quad T(m, n+1) = T(m-1, n) + TK/2 \quad Dtime = 196/850x10^8 = 23 \text{ Myears}$$

Heat generated = $Q = F \times dL \times dt / 788$

$F = P \times ff$

$dL = \text{creep travel} // dL = 0.01 \text{ ft/year}$

$dt = \text{time increment} // dt = 23x10^6 \text{ years}$

$ff = \text{friction coefficient} // ff = 0.05 \text{ (dimensionless)}$

Pressure force = $P = LL \times DD$

$LL = \text{tectonic plate depth in ft} // LL = 75x5580 \text{ ft}$

$DD = \text{crust density of the earth} // DD = 140 \text{ lb/Cft}$

Temperature gain = $dT = Q/(dV \times G \times Cp)$

$Q = \text{heat generated (Btu)}$

$dV = \text{layer volume (Cub ft)}$

$G = \text{density of graphite (lb/Cft)}$

$Cp = \text{specific heat of graphite (Btu/lbF)}$

$P = 75x5580x150 = 6.28E+07$

$F = 6.28x10^7x0.05 = 3.14E+06$

$Q = 3.14x10^6x(1/100)x23x10^6/788 = 9.28E+08$

$dT = 9.28x10^8/(140000x140x0.17) \text{ (deg F)} = 278.5$