

Earth's energy budget- beyond the Standard Model of physics

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As mainstream do not account for “charge field” and vortical level of matter, it’s geophysical constructions remain infertile and necessary connected to chaos theory. A broader schematic look to problem is proposed. Coincidence of Carrington event with start of what mainstream call “geomagnetic pole shift” become more logical. Also acceleration of this shift in recent years. Underlying mechanics for this connection however remain obscure.

In recent post Philip Mulholland (2019) nicely dissected mainstream Earth’s energy budget’s concept and shows, that it relies on number of assumptions. Most serious perhaps is the fact, that pictures like in fig.1 typically show us percentages of solar insolation at the top of the atmosphere. It is not demonstrated how it can be used to estimate the global average temperature for the surface of the Earth.

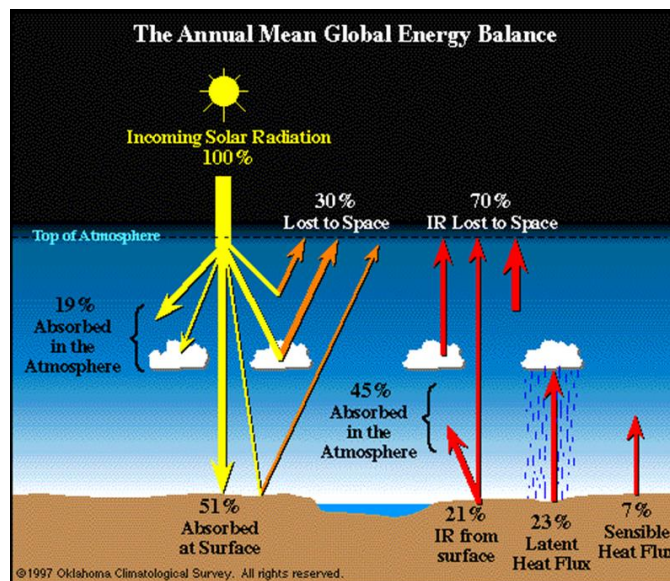


Fig. 1 Globally Averaged Energy Budget (Oklahoma Climatological Survey, 1997).

NASA imagined, that Earth’s energy budget could be determined, so to speak, with advanced thermometer. However part of mentioned budget lies beyond of Standard Model of physics, thus calculations could not be performed within watt to square meter frame with ease.

Historically first, as we know, planetary scientists had to explain another problem- high surface temperature of planet Venus. As Mulholland reminds us “for Venus, with a solar irradiance of 2601.3 W/m^2 (Williams, 2018), the maximum possible planetary energy budget for a hypothetical Bond albedo of zero and total atmospheric insolation clarity is $2601.3 * 0.75 = 1951 \text{ W/m}^2$. This flux translates into a maximum possible energy budget thermodynamic temperature of 430.7 Kelvin (157.7°C), but the surface temperature of Venus is 737 Kelvin

(464°C) (Williams, 2018). From this analysis we can deduce that the standard climate model is compromised.”

Solution for surface temperature of Venus, as I mentioned previously, is prehistoric collision of ProtoVenus with Jupiter (cf. Ginenthal, 1995). Venus is cooling, it's self-rotation's speed is diminishing (and will reverse in the future). In times of acceptance of free-floating planets here in fact should be no discussions about such a scenario.

As for Earth's energetic budget, another big assumption here is, that the Earth is geocosmically passive and radiates only plain infrared 0.087 watt/square metre. Mulholland turns to Earth's long wave emission and suggests, that total block of long wave emission atmospheric window within mainstream assumptions could raise the global average temperature from 15°C to 29°C. Playing with numbers, such line of reasoning allows us even “obtain” 36°C global average temperature like in Cretaceous. In past geological times with intense volcanism, radiation from Earth's mantle also had been increased, resulting also in distant (and contact) warming of oceans (cf. Bezverkhni, 2019). Problem for infertile Svedenborg- Kant- Laplace hypothesis for history of solar system is inability to explain intense periods of volcanism, which can be easily understood in case of the Earth, which several times changed its place in solar system (in the spirit of Velikovsky).

By closer look to Earth's “long wave emission” here is a problem of spatial inhomogeneity (fig. 2.)

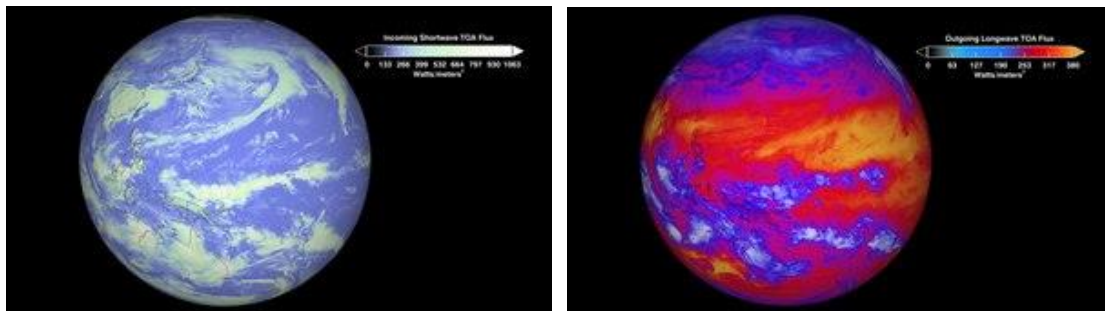
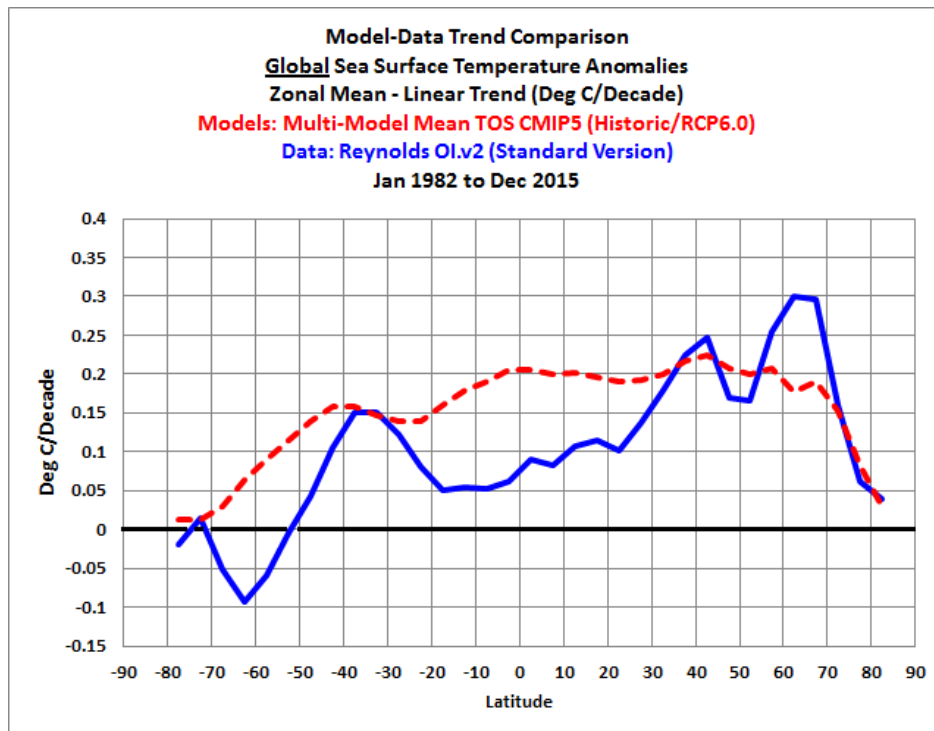


Fig. 2 Left: incoming, top-of-atmosphere (TOA) shortwave flux radiation, shows energy received from the sun (Jan 26–27, 2012).

Right: Outgoing, longwave flux radiation at the top-of-atmosphere (Jan 26–27, 2012). Heat energy radiated from Earth (in watts per square metre) is shown in shades of yellow, red, blue and white. The brightest-yellow areas are the hottest and are emitting the most energy out to space, while the dark blue areas and the bright white clouds are much colder, emitting the least energy.

Contrast in fig. 2 right is too large and illogic. It's interpretation shows us lack of critical thinking of mainstream. In alternative viewpoint, Earth's mantle is more liquid and dynamic as in textbooks (Alksnis, 2018) and infrared meters could sub-optimally sense it's energy emanation trough the crust (physical vacuum level).

Bob Tisdale (2016) in a series of climate modelling analysis shows intriguing temperature change trends by latitudes



Bob Tisdale

Fig. 3 presents the modeled and observed warming and cooling rates of the global oceans on a latitude-average (zonal-means) basis. For the period of 1982-2015, the climate models underestimate the observed warming at high latitudes of the Northern Hemisphere, but they overestimate the warming in the tropics and in the mid-to-high latitudes of the Southern Hemisphere. And the models do not capture the cooling of ocean surfaces at the high latitudes of the Southern Hemisphere. E.A.- we see here, that anomalies are connected with certain latitudes. Mainstream model do not counted on possible influence from Earth's mantle and produced nearly flat line of temperature change for most of latitudes. Latitudinal warming peaks for ca. -35, +42 and +62 degrees can be explained with increased turbulence of belts in Earth's mantle. Cooling by ca. -63 degrees latitude is intriguing for understanding, what exactly that temperature changes mean. Should this regional cooling mean, that mantle turbulence is diminishing there? And what is the meaning of reciprocal changes in both hemispheres?

Warming in mid-latitudes could be perhaps best understood within our liquid dynamic Earth's interior concept (atmospheric circulation with it's currents and countercurrents mimics movements of liquid Earth's mantle a bit, as has been supposed for Jupiter). As according to our viewpoint magnetometers can react to mantle turbulence, logically, that phenomenon, what mainstream calls "magnetic pole shift" is connected with warming.

Warming of North Pole is next oddity, which could not be explained that way. At the same time, so-called polar amplification in reality is not polar (fig.4) but likely is caused by processes in around 65 degrees North (as per historic guess of Wladimir Koeppen).

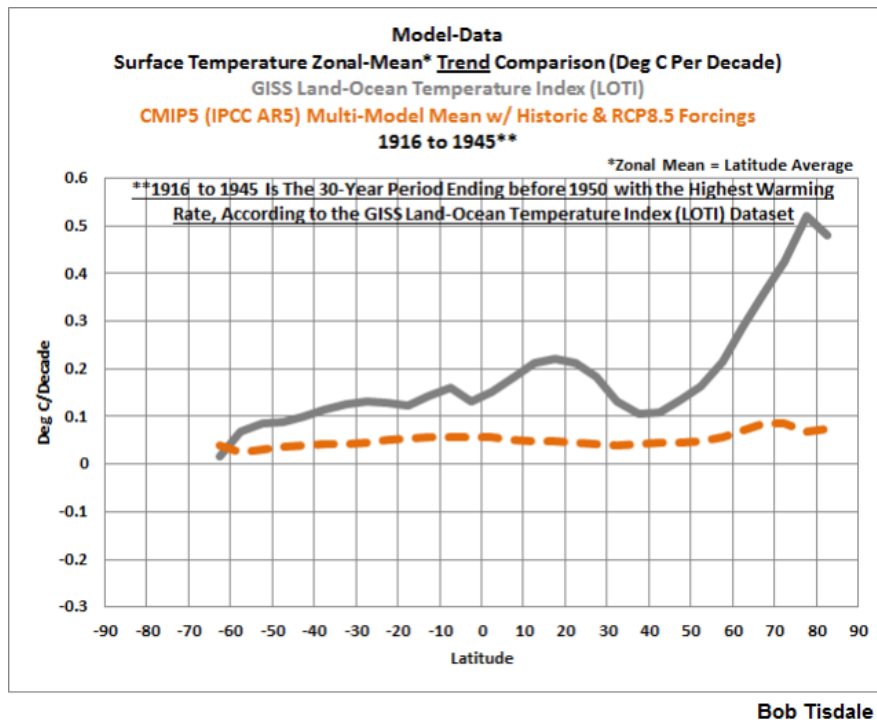


Fig. 4 Is “polar amplification” really polar?

Shortcomings for energy in empty Universe of Newton’s disciples had been detected for more than a century, starting perhaps with observation of lunar and solar earthquake “seasons” for places not near to equator. As far I can see, tropical cyclones and some processes in atmosphere similarly stay out of Earth’s energy budget, despite the fact that they clearly are certain reaction to geocosmic irritation of the Earth.

In upgraded geophysical model here is

- 1) added several physical factors:
 - 1.1. electromagnetic part of Unified Field (Miles Mathis),
 - 1.2. energy transfer between vortical level and Standard Model level of matter,
 - 1.3. significant total Earth radiation,
 - 1.4. stored energy in evaporated water in atmosphere, which do not precipitate, (Standard Model heating results in evaporation and subsequent precipitation. vortical heating results in evaporation but not necessary in precipitation),
 - 1.5. beyond the Standard Model component of thunderstorms,
 - 1.6. effect from spinning solid celestial bodies,
 - 1.7. effect from spinning liquid celestial bodies,
 - 1.8. effects from solar activity

- 2) noticed the misunderstanding-
 - 2.1. infrared meters can sub-optimally registrate vortical disturbances,
 - 2.2. magnetometers can sub-optimally registrate disturbances in Unified field and in vortical level.

Thus scheme of Earth’s energy budget get significantly more complex and certain transfer coefficients are necessary, if one want to keep watts per square meter frame. Added physical

factors allow us to understand basics of astronomical climate theory. Without naturally occurring greenhouse gasses Earth's average temperature will not be -18°C (ignorance of NASA about vortical radiation). Changes in Earth's surface budget, comparing to mainstream:

1. more heat as typical numbers due to undervaluated oceanic volcanism,
2. electromagnetic part of Unified field (which could be blocked on certain directions from similar fields of the Moon, the Sun,
3. "spinning liquid field" from turbulent Earth's mantle (which is in fact producing anomaly, which we can observe on Fig. 2, right (cf. Alksnis, 2018),
4. "Spinning liquid field" from the Sun, Jupiter, galactic centre etc. In case of the Sun it has been shown that solar activity is influencing geodynamics despite lack of such power in mainstream models (Moerner, 2013). This point can significantly modify Earth's energy budget, resulting in 1) direct irritation, which produced tropical cyclones, tornadoes and extensive precipitation, 2) block for specific Earth's radiation, resulting in increasing volcanic and seismic activity, "magnetic" anomalies, 3) vortical heating and other effects. Not for surprise, here exists a rule, that peak of seismic and volcanic activity comes some 2 years after peak of solar activity. This observation allow us to hope, that smart planetary geoengineering is possible.

Earth is "out of budget", as it have to maintain outer "magnetic field" and move the Moon around it faster than "universal gravitation" allows (Alksnis 2018A). Carrington event blocked Earth radiation and likely triggered changes in Earth's mantle performance, what mainstream see as "geomagnetic pole shift" (as physical vacuum is connected to matter). As previous "geomagnetic pole shifts" proceeded with no cyclicity, they could be caused from sudden solar or galactic irritations. That are highly intriguing phenomena. Mentioned actual process is in line with certain increase in biosphere fertility due to increase in specific geocosmic radiation. In Fig. 5 is shown global vegetation increase from 1982 to 2105.

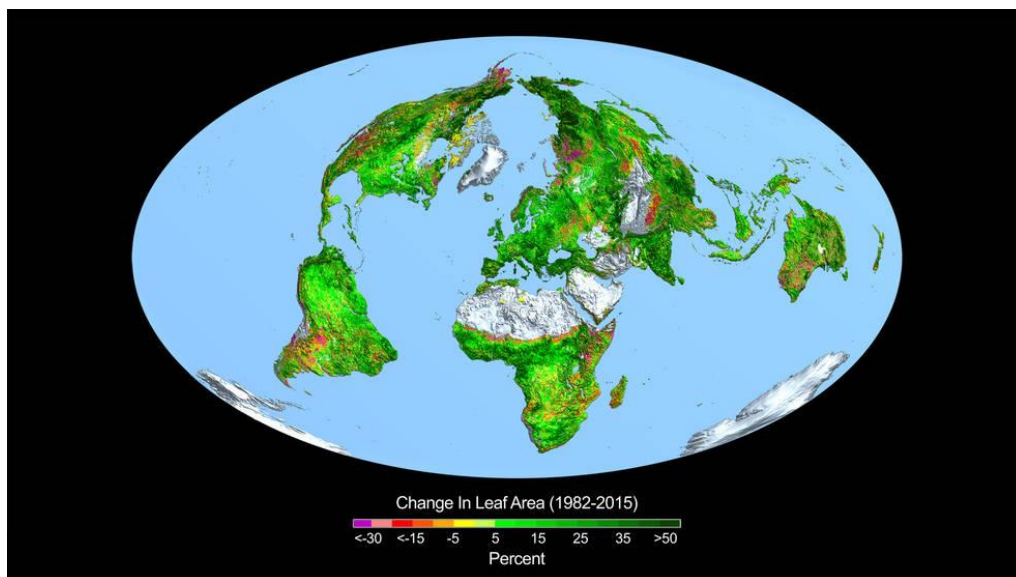


Fig. 5 Global changes in leaf area (1982-2015). From Zhu et al, 2016.

Zhu et al (2016) considers all this as effect from atmospheric carbon dioxide. Even NASA supports this nonsense, which easy "allows" us to double global leaf volume in comparison to 1982 level, by increasing of carbon dioxide in atmosphere by some 220ppm.

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