

Layman's Guide to Global Warming Science Notes

1. If you can read, reason and investigate, then you can fact-check anything if you make the effort
2. Rules of science:
 - One observer providing data verifiable by reference to the real world.
 - The data must withstand peer review
 - **No such thing as “consensus science”**
3. In 1979 Margaret Thatcher uses the “Carson – DDT model” and “Greenhouse Effect” theory as a political ruse to demonize fossil fuels; the Left is still using it today
4. Greenhouse Effect
 - Source of energy = the sun
 - Low altitude clouds influence the effect
 - “Greenhouse gases” absorb energy and heat the troposphere
 - ***The Greenhouse Effect is measured by determining the temperature of the troposphere, not the earth***
5. Greenhouse Gases are, in order of concentration, water vapor, CO₂ and all others. GW advocates ignore water vapor. The total of all man-generated greenhouse gases, excluding water vapor, is 0.2%, a miniscule contribution to the greenhouse effect.
6. According to ice core sample proxies, CO₂ lags temperature by approx. 800-years; i.e., temperature is a leading indicator, not CO₂. NASA satellite data of the lower troposphere temperature indicates temperature peaked approx. in 2000 while CO₂ continues to be released by the still warming oceans.
7. The “Hockey Stick Curve” is a fraudulent computer model to prove man-generated CO₂ drives climate by eliminating the Medieval Warm Period, a warmer period than present, a profound problem for those who claim that man's 20th- and 21st-century CO₂ emissions are warming the earth. ***(Beware of Dr. Michael Mann of Pennsylvania State University)***
8. CO₂ and methane cannot cause runaway temperatures because water vapor overlaps the absorption spectra of both. There is already sufficient CO₂ in the atmosphere to saturate most of the principal CO₂ infra-red absorption bands.
9. Surface warming has slowed down over the last 15 years. Recording of surface temperatures is polluted by urban heat effects.
10. Urban Heat Island Effect is caused by the heat-retaining properties of concrete and asphalt in urban areas and artificially increases local temperatures. Temperatures in or near urban centers are warmer than rural areas. Poor siting of temperature sensors near artificial heating or radiative heat surfaces further exaggerate the Urban Heat Island Effect.

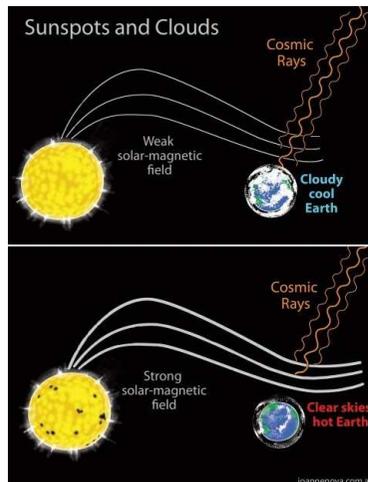
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10. Ice caps grow and recede with climate and local precipitation

11. Polar bear populations are on the rise and are encroaching on human occupied areas

12. Earth's temperature follows increases and decreases in Solar activity:

- The Sun's increased energy output may have contributed directly to about 1/3 of the warming seen over the last 100 years. The change in solar output is too small to directly account for most of the observed warming.
- A solar energy multiplier is the interaction between the Sun and galactic cosmic rays; i.e., a small change in solar energy will have a large effect on climate.
- Svensmark's theory links galactic cosmic rays and climate change and that climate change is primarily caused by small variations in the intensity of the Sun's magnetic field, termed cosmoclimatology.
- Evidence is growing that this theory will be validated.
- **The interaction between the Sun and galactic cosmic rays modulates the cloud cover that blocks solar warming**



A simplified explanation of the process is:

- **Cosmic rays** are very high-energy particles, mainly originating outside the Solar System, perhaps from supernovae of massive stars.
- Cosmic rays stream into the earth's atmosphere from the galaxy.
- Electrons are released in the atmosphere by cosmic rays that act as a catalyst in the formation of sulphuric acid and water molecules, the building blocks for the low altitude cloud formation.
- The Sun's solar wind and magnetic field modulates the density of the cosmic rays penetrating the earth's atmosphere

– Solar/Cosmic Ray connection has the best fit for verification *“by reference to the real world”*

13. Links: <http://www.friendsofscience.org/> - very comprehensive and dependable starting point

<http://www.youtube.com> - search “cosmic rays clouds”

http://heartland.org/sites/all/modules/custom/heartland_migration/files/pdfs/20560.pdf - 100 years of impending climate doom

<http://www.howtoteaparty.org/> - see “Issues” for this presentation and others