

Where is the direct evidence for CO₂-dominated global+ regional climate change?

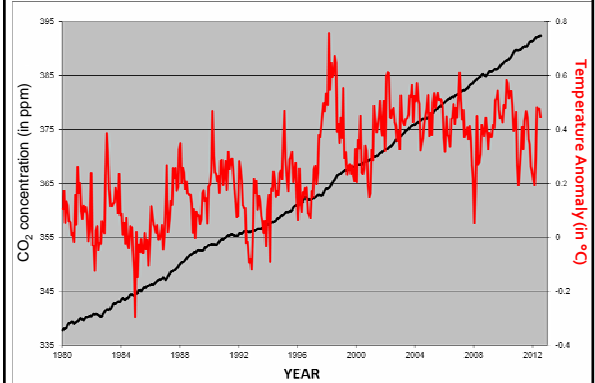
Willie Soon¹
Independent Scientist

January 31, 2013

Topeka, Kansas

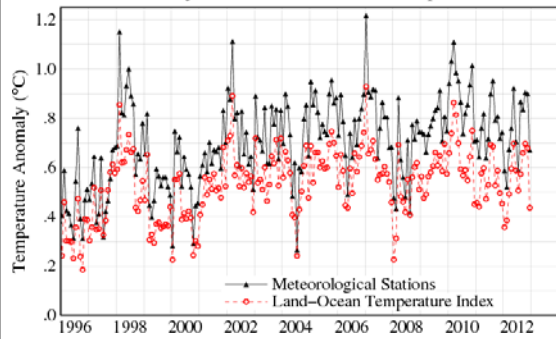
¹All Views Expressed Are Strictly My Own and Do Not Reflect Those of Any Institution

If CO₂-global warming causation is so sure and so strong, why would the persistent warming not continue?



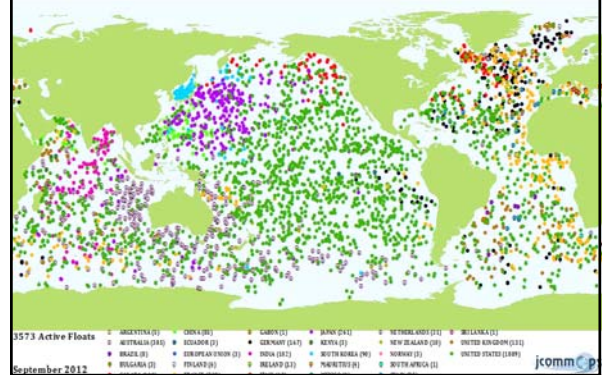
Take it from Hansen/NASA GISS (January 15, 2013)

Monthly Mean Global Surface Temperature

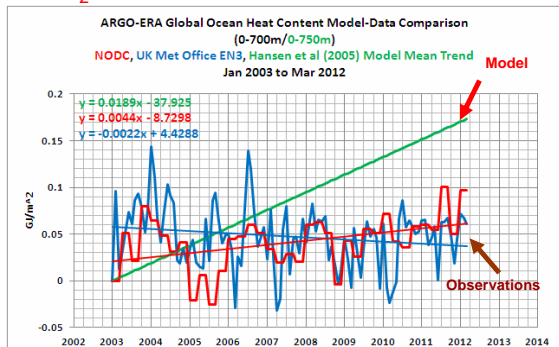


Source: http://data.giss.nasa.gov/gistemp/graphs_v3/fig.C.gif

Volumetric sampling of the world oceans: ARGO project since 2003



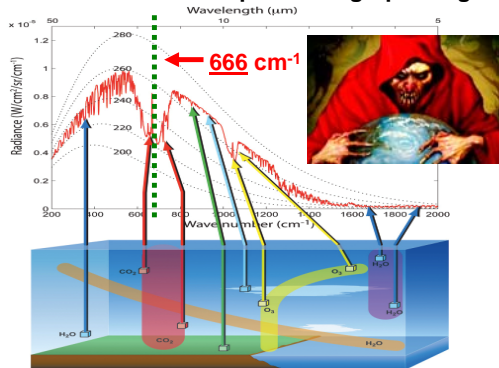
Where is all the predicted accumulation of CO₂-induced heat if it is not in the ocean?



Data Source: Bob Tisdale (posted June 2, 2012)

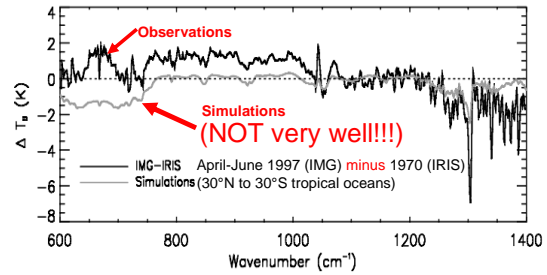
Spectral Fingerprinting
of the CO₂ Monster:
Just exactly where is IT?

But I thought scientists were able to confirm the CO₂ greenhouse effects from spectral fingerprinting?



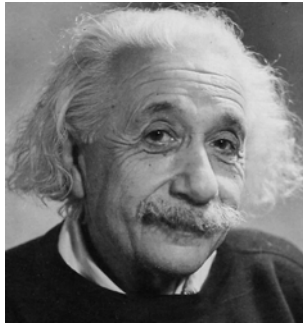
Adopted from presentation by Professor John Harries of Imperial College, UK (September 4, 2009)

How well can simulations replicate the real-world observations?



Brisley and Allan (2003) Quarterly Journal of the Royal Meteorological Society, vol. 129, 2971-2988

“No amount of experimentation can ever prove me right; a single experiment can prove me wrong.”



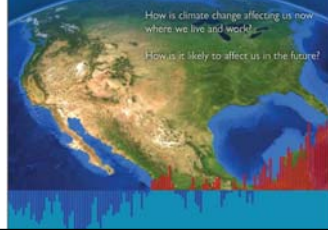
Albert Einstein

Global Climate Change Impacts in the United States

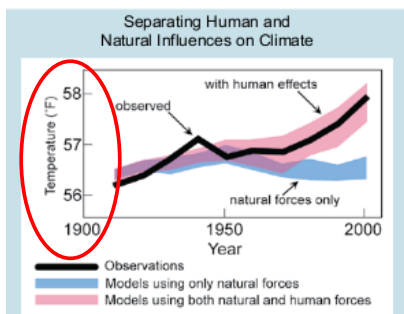
U.S. Global Change Research Program

HIGHLIGHTS

- How has climate already changed?
- How is it likely to change in the future?
- How is climate change affecting us now where we live and work?
- How is it likely to affect us in the future?



Serious mis-representations in USGCRP 2009 report!



As the blue band indicates, without human influences, global average temperature would actually have cooled slightly over recent decades. With human influences, it has risen strongly (black line), consistent with expectations from climate models (pink band).

How USGCRP authors mistakenly re-transformed global temperature from “anomalies” units to absolute units!

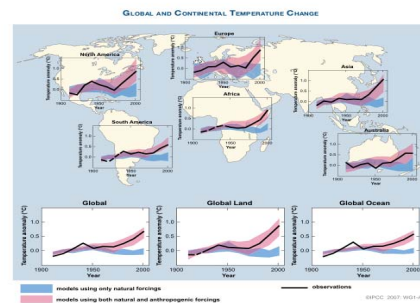
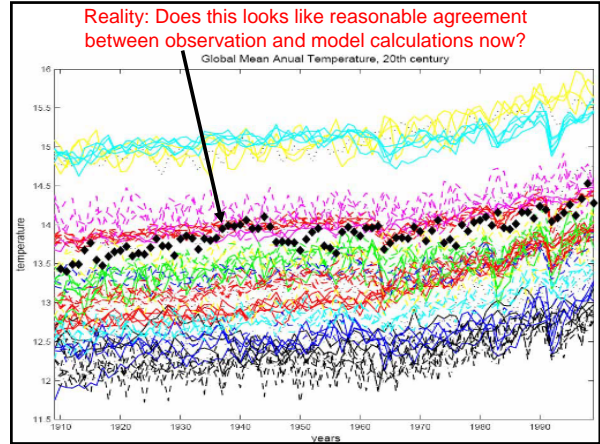
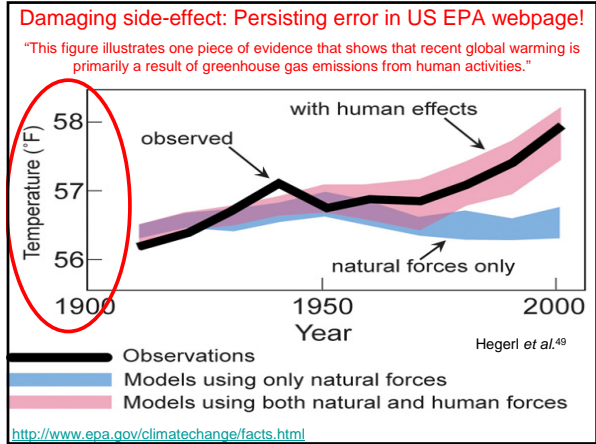


Figure SP4.4. Comparison of observed continental and global-scale changes in surface temperature with results simulated by climate models using natural and anthropogenic forcings. Decadal averages of observations are shown for the period 1950 to 2000. Black line plotted against the center of the decadal average for the corresponding average for 1951-1960. Lines are plotted where spatial coverage is less than 10%. Blue shaded bands show the 5-95% range for 13 simulations from five climate models using only the natural forcings due to solar activity and volcanoes. Red shaded bands show the 5-95% range for 58 simulations from 14 climate models using both natural and anthropogenic forcings. (SP4.4.3, Figure 11)



Where is the peer-review checking?

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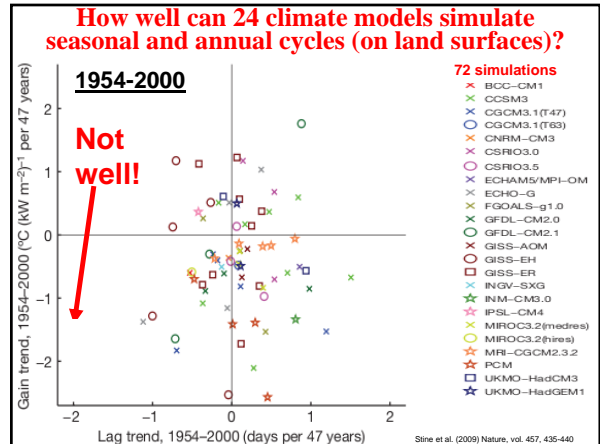
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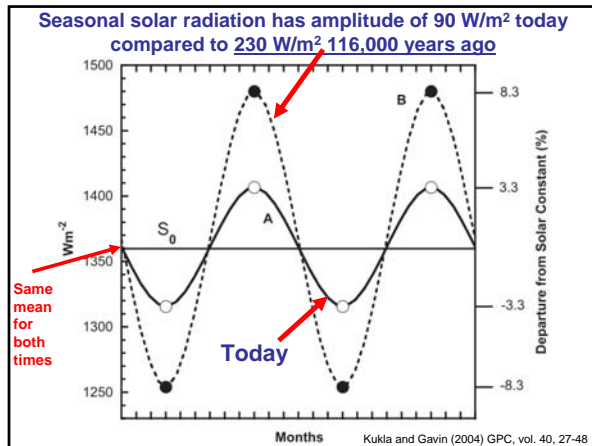
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Important public science-education-policy questions:

If CO₂ control on the climate is so self-apparent and scientifically correct, then why the graphical "confusion"?

Will climate scientists stand up and condemn the USGCRP+USEPA?





Misunderstanding of climate models:
Averaging flawed models does not make it better!

“These sobering conclusions about future warming are projections based upon elaborate models of the Earth. It is usually wise to be suspicious of computer models of complex situations. But we are not talking about one scientist’s model; a number of programs give similar results.”

— (Robert Curl, 1996 Nobel Laureate in Chemistry; August 20, 2010’s article “The best science indicates humans are causing warming” in Houston Chronicle; <http://www.chron.com/disp/story.mpl/editorial/outlook/7162619.html>)

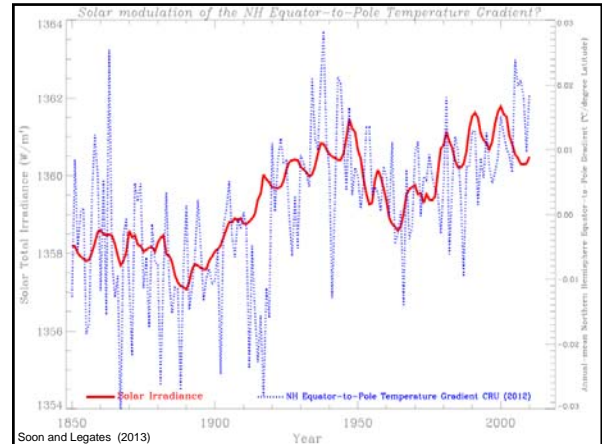
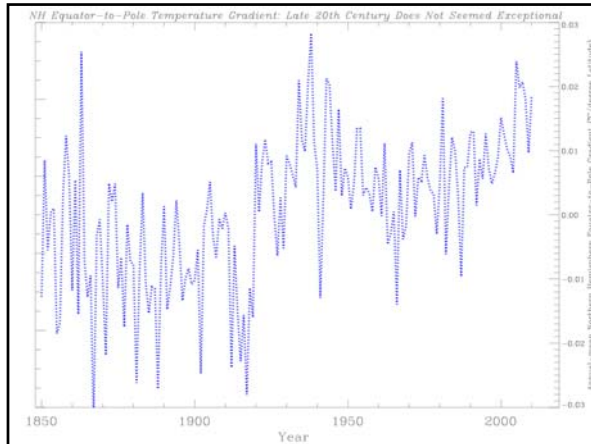


**Give me
a faster computer
and I will give you the
wrong result sooner.**

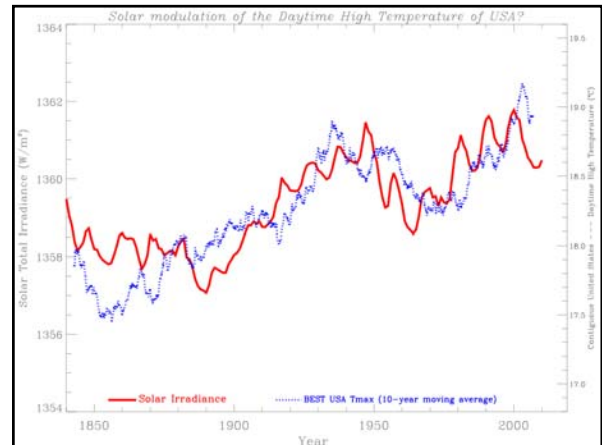
(Malcolm Ross upon reading that the UK Met Office claimed that it failed to predict cold December 2010 and January 2011 in Britain because its new computer was too slow)—The Week That Was by SEPP (February 27, 2011)

Exciting new evidence
connecting the Sun to
climate





We have empirical evidence for a Sun-Climate relationship not only through modulation of the large-scale dynamics, but also through direct modulation of the day-time high temperatures on local and regional spatial domains



Take-away Messages

1.No experimental data exist that support the view that the Earth's climate is anomalous or changing in a dangerous manner.

Take-away Messages

2. Carbon Dioxide, CO₂, is merely a bit player in climate change.

Rising CO₂ is largely beneficial to plant and human life.



Take-away Messages

3. The Sun is a primary driver of climate change – and has a far greater impact than changes in CO₂.

Take-away Messages

4. Climate models cannot be trusted, in large part, because of their poor representation of water – solid, liquid, and gas.

