

# Where is the direct evidence for CO<sub>2</sub>-dominated global+ regional climate change?

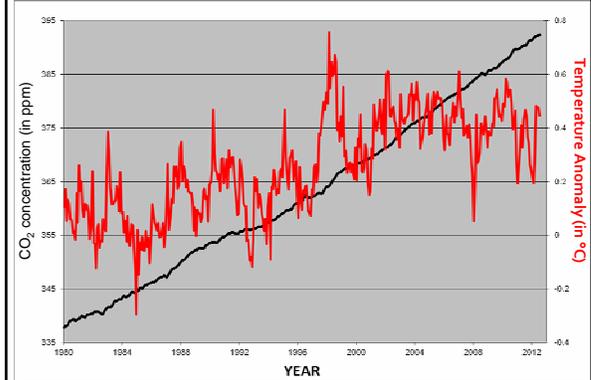
Willie Soon<sup>1</sup>  
Independent Scientist

January 31, 2013

Topeka, Kansas

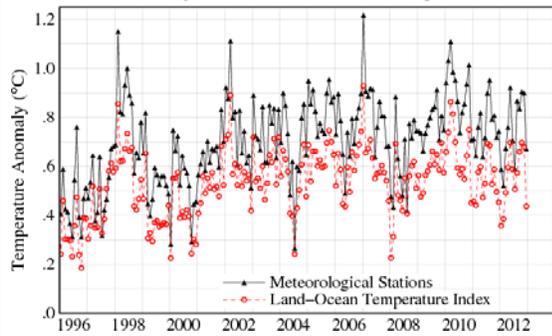
<sup>1</sup>All Views Expressed Are Strictly My Own and Do Not Reflect Those of Any Institution

## If CO<sub>2</sub>-global warming causation is so sure and so strong, why would the persistent warming not continue?



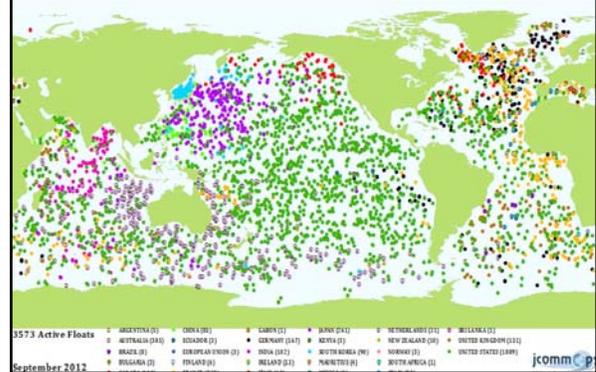
## Take it from Hansen/NASA GISS (January 15, 2013)

Monthly Mean Global Surface Temperature

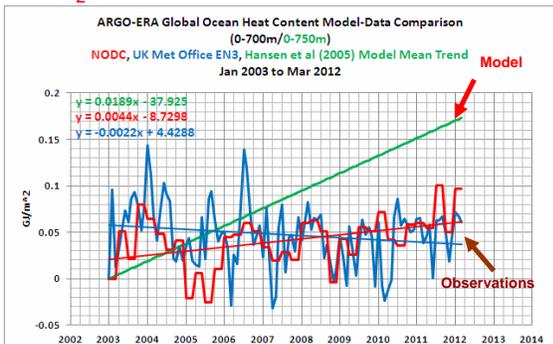


Source: [http://data.giss.nasa.gov/gistemp/graphs\\_v3/fig.C.gif](http://data.giss.nasa.gov/gistemp/graphs_v3/fig.C.gif)

## Volumetric sampling of the world oceans: ARGO project since 2003



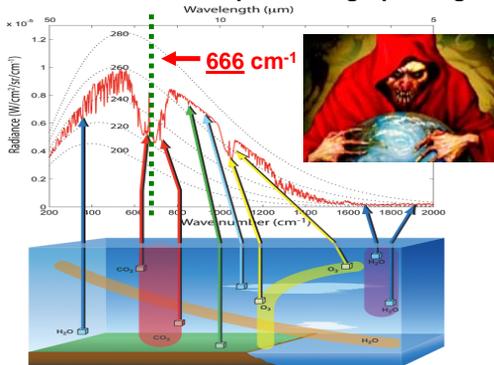
## Where is all the predicted accumulation of CO<sub>2</sub>-induced heat if it is not in the ocean?



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

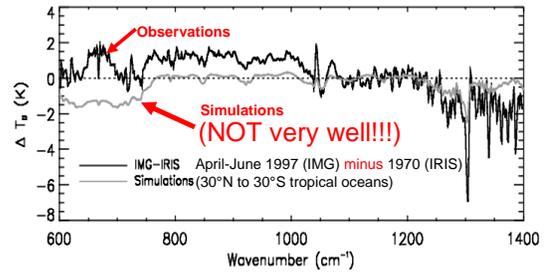
Spectral Fingerprinting  
of the CO<sub>2</sub> Monster:  
Just exactly where is IT?

But I thought scientists were able to confirm the CO<sub>2</sub> greenhouse effects from spectral fingerprinting?



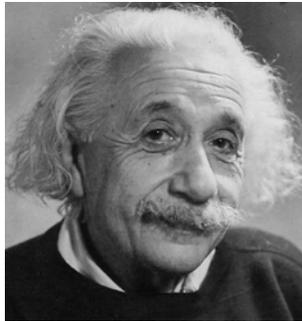
Adopted from presentation by Professor John Harries of Imperial College, UK (September 4, 2009)

How well can simulations replicate the real-world observations?



Brimley 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

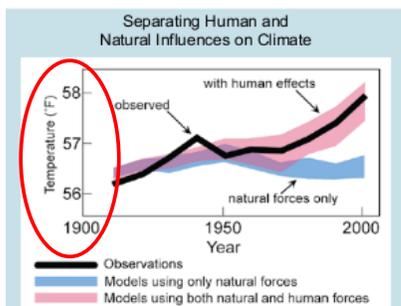
U.S. Global Change Research Program

#### 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!

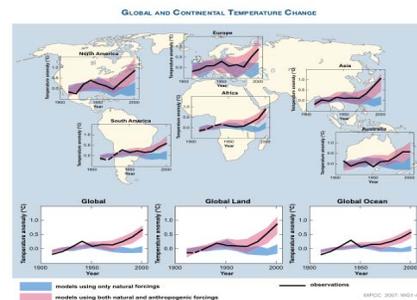
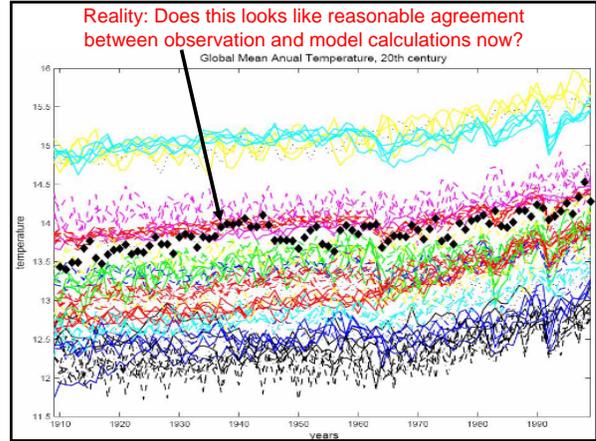
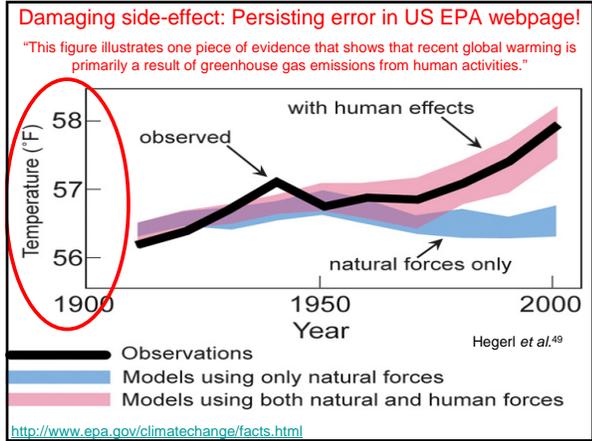


Figure SPMA. Comparison of observed continental- and global-scale changes in surface temperature with results simulated by climate models using natural and anthropogenic forcings. Statistical averages of observations are shown for the period 1980 to 2000. Black line plotted against the center of the climate model results as the corresponding average for 1901-1950. 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. (IPCC, 2007, Figure 11)



**Where is the peer-review checking?**

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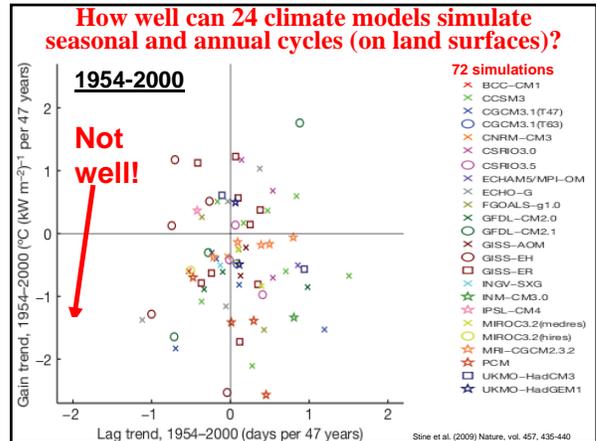
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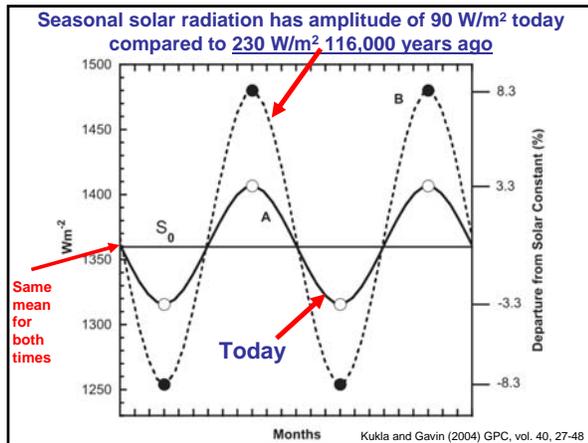
U.S. Global Change Research Program  
 1717 Pennsylvania Avenue, NW • Suite 300 • Washington, DC 20006, USA  
 1-202-233-6362 (main) • 1-202-233-3063 (fax)  
<http://www.usgcrp.gov>

Important public science-education-policy questions:

**If CO<sub>2</sub> 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>)

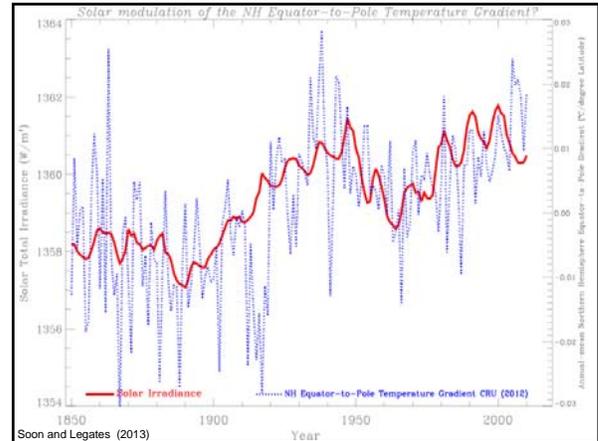
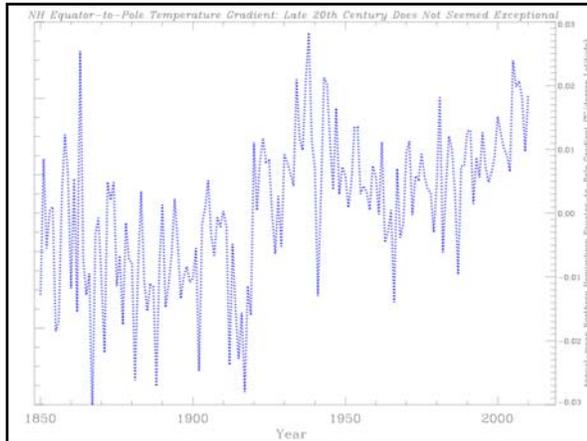


**Give me  
a faster computer  
and I will give you the  
wrong result sooner.**

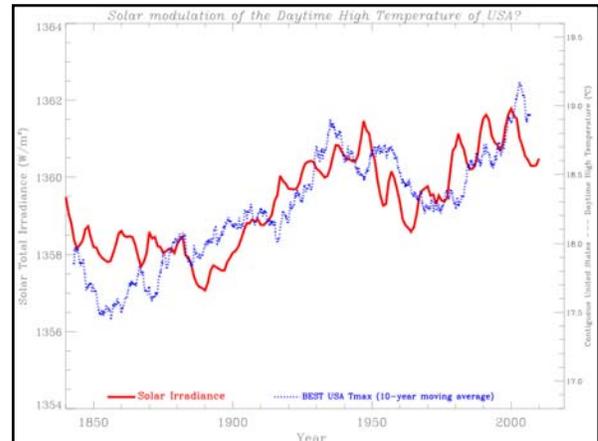
(Malcolm Ross upon reading that the UK Met Office claimed that it failed to predict cold December 2010 and January 2011 in Britain because its new computer was too slow)—The Week That Was by SEPP (February 27, 2011)

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, CO<sub>2</sub>, is merely a bit player in climate change.

Rising CO<sub>2</sub> 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 CO<sub>2</sub>.

## Take-away Messages

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

