

# Environment

## 2013-379

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Subject: Submission on Climate Change Bill  
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Eugene,  
Below is a link to the latest global temperatures compared with various climate models that assert that co2 causes Global Warming or climate change. As you can see the models do NOT PREDICT actual global temperatures. The actual global temperatures have dropped below the lower confidence limits of ALL THE MODELS. Basing energy policy on computer models that are incorrect and CANNOT PREDICT ACTUAL TEMPERATURE IS ASININE. Not only is it ASININE but it will cause the premature deaths of older and ill health people as the global temperature continues to cool and you make carbon based energy more expensive. Almost 90% of all climate change is CAUSED BY SOLAR VARIATION. The more active the sun the warmer the climate the less active the sun the colder the climate. We currently entering a less active period of SOLAR ACTIVITY. Many experiments have been carried proving the increased interaction of cosmic rays with the oceans causing increasing cloud cover that causes the globe to cool. The most notable those of Henrik Svensmark confirmed by CERN last year. Increasing fossil fuel prices to stop something THAT IS NOT HAPPENING WILL send many old and infirm people to an early grave I hope they ( your committee) can live with that.

<http://www.thegwvf.org/global-warming-slowdown-view-space/>

Yours Sincerely

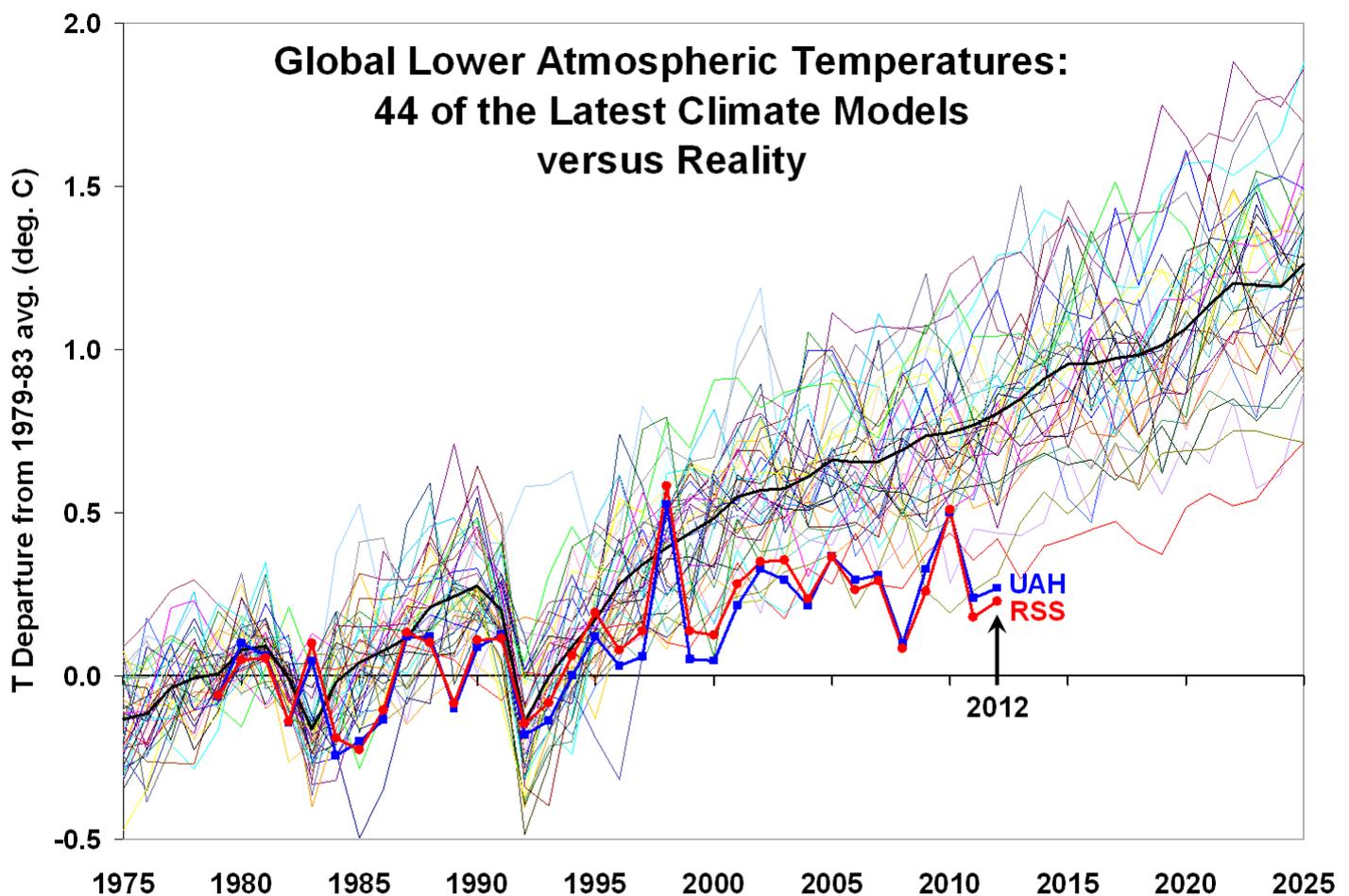
John Dooley

## Global Warming Slowdown: The View from Space

April 16th, 2013 by Roy W. Spencer, Ph. D.

Since the slowdown in surface warming over the last 15 years has been a popular topic recently, I thought I would show results for the lower tropospheric temperature (LT) compared to climate models calculated over the same atmospheric layers the satellites sense.

Courtesy of John Christy, and based upon data from the [KNMI Climate Explorer](#), below is a comparison of 44 climate models versus the UAH and RSS satellite observations for global lower tropospheric temperature variations, for the period 1979-2012 from the satellites, and for 1975 – 2025 for the models:



Clearly, there is increasing divergence over the years between the satellite observations (UAH, RSS) and the models. The reasons for the disagreement are not obvious, since there are at least a few possibilities:

- 1) the real climate system is not as sensitive to increasing CO<sub>2</sub> as the models are programmed to be (my preferred explanation)
- 2) the extra surface heating from more CO<sub>2</sub> has been diluted more than expected by increased mixing with cooler, deeper ocean waters (Trenberth's explanation)

3) increased manmade aerosol pollution is causing a cooling influence, partly mitigating the manmade CO2 warming

If I am correct (explanation #1), then we will continue to see little warming into the future. Additional evidence for lower climate sensitivity in the above plot is the observed response to the 1991 Pinatubo eruption: the temporary temperature dip in 1992-93, and subsequent recovery, is weaker in the observations than in the models. This is exactly what would be predicted with lower climate sensitivity.

On the other hand, if Trenberth is correct (explanation #2), then there should be a period of rapid surface warming that resumes at some point, since the climate system must eventually try to achieve radiative energy equilibrium. Of course, exactly when that might be is unknown.

Explanation #3 (anthropogenic aerosol cooling), while theoretically possible, has always seemed like cheating to me since the magnitude of aerosol cooling is so uncertain it can be invoked in any amount desired to explain the observations. Besides, blaming a *lack* of warming on humans just seems a little bizarre.

The dark line in the above plot is the 44-model average, and it approximately represents what the IPCC uses for its official best estimate of projected warming. Obviously, there is a substantial disconnect between the models and observations for this statistic.

I find it disingenuous for those who claim that, because not ALL of individual the models disagree with the observations, the models are somehow vindicated. What those pundits fail to mention is that the few models which support weaker warming through 2012 are usually those with lower climate sensitivity.

So, if you are going to claim that the observations support *some* of the models, and least be honest and admit they support the models that are NOT consistent with the IPCC best estimates of warming.