

CLIMATE CORRUPTION SPURS A FAKE GLOBAL WARMING CRISIS USING MISTRUTHS AND BAD MODELLING. THE FALSE CLIMATE CRISIS IS CHILD OF THE LEFT. "The "war on carbon" is derived from sheer stupidity, arrogance and scientific illiteracy." As [reported by Science Daily](#).

THE PUBLIC ARE IN THE GRIP OF GROUP THINK AND SEE ANY WEATHER DISTURBANCES AS PROOF OF THE FALSE MEME THAT HUMAN CARBON DIOXIDE EMISSIONS FALSELY CALLED CARBON POLLUTION IS THE CULPRIT.

The big climate lies are global warming means the end of snow and Co2 is a pollutant



*"And yes, my plan will continue to reduce the **carbon pollution** that is heating our planet - because climate change is not a hoax."*

BARAK OBAMA

# Plants Need CO<sub>2</sub>

Carbon Dioxide Is Green



[Climate Change >>Myths Debunked >>](#)

**Myth:** CO<sub>2</sub> is a pollutant.

## **Pollution Myths - CO<sub>2</sub> is NOT a Pollutant or Air Pollution - It's the Breath of Life**

**Fact:** Totally false. We challenge you to prove otherwise. CO<sub>2</sub> is in our every breath, in the carbonated sodas and waters that we drink and in the dry ice that helps us keep our food cold and safe. We breathe in 400 parts per million and then exhale 40,000 parts per million with no ill effects.

We breathe the 40,000 ppm into victims needing CPR and it does not cause them to die!

The monitoring systems in U.S. submarines do not provide an alert until CO<sub>2</sub> levels reach 8,000 ppm which is higher than natural CO<sub>2</sub> levels have been on Earth in the last 540 million years.

CO<sub>2</sub> is a great airborne fertilizer which, as its concentrations rise, causes additional plant growth and causes plants to need less water. Without CO<sub>2</sub> there would be no life (food) on Earth. The 120 ppm of CO<sub>2</sub> added to the atmosphere since the start of the industrial revolution has caused an average increase in worldwide plant growth of over 12 percent and of 18 percent for trees.

There is not a single instance of CO<sub>2</sub> being a pollutant

<https://plantsneedco2.org/default.aspx?menuitemid=370>

## **Climate change hoax COLLAPSES as new science finds human activity has**

# virtually zero impact on global temperatures

07/12/2019 / By [Mike Adams](#)



The [climate change hoax](#) has collapsed. A devastating series of research papers has just been published, revealing that human activity can account for no more than a  $.01^{\circ}\text{C}$  rise in global temperatures, meaning that all the human activity targeted by radical climate change alarmists — combustion engines, airplane flights, diesel tractors — has virtually no measurable impact on the temperature of the planet.

Finnish scientists spearheaded the research, releasing a paper entitled, “[No Experimental Evidence for the Significant Anthropogenic Climate Change.](#)”

The paper explains that IPCC analysis of global temperatures suffers from a glaring error — namely, failure to account for “influences of low cloud cover” and how it impacts global temperatures. Natural variations in low cloud cover,

which are strongly influenced by cosmic radiation's ability to penetrate Earth's atmosphere due to variations in the strength of our planet's magnetosphere, account for nearly all changes in global temperature, the researchers explain.

As this chart reveals, more cloud cover is inversely related to temperature. In other words, **clouds shield the surface of the Earth from the sun, providing shade cover cooling**, while a lack of clouds results in more warming:

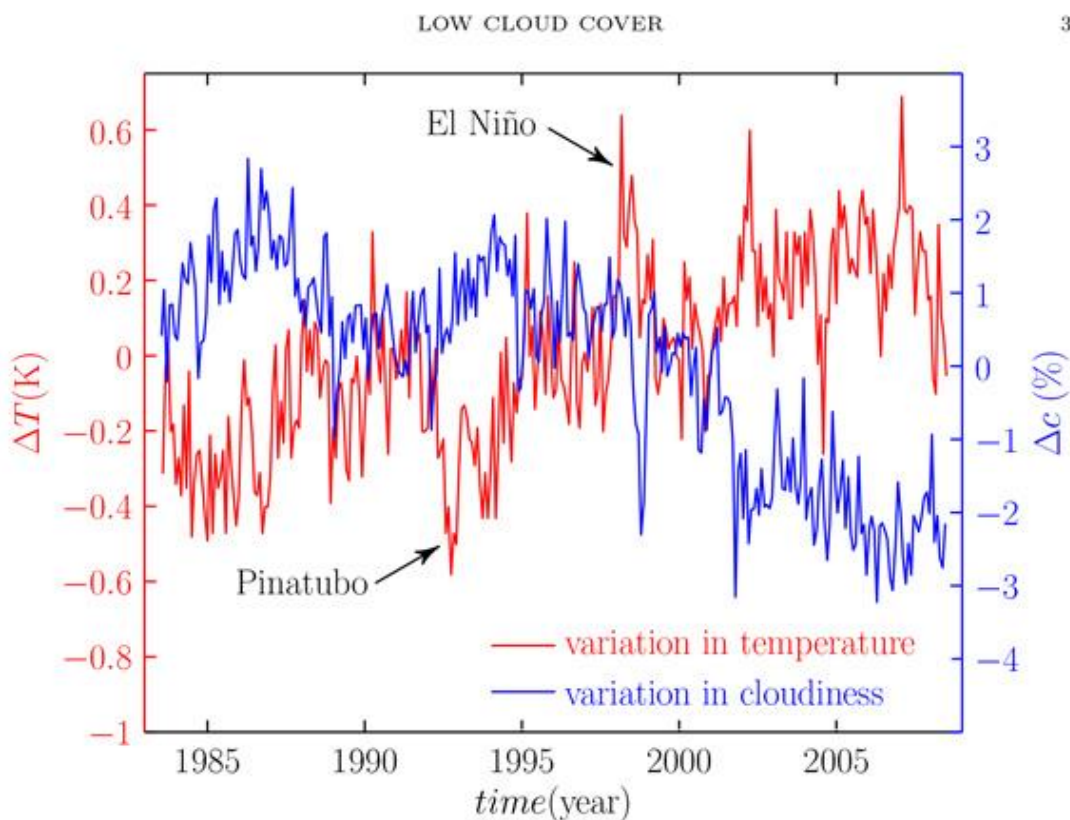


FIGURE 2. [2] Global temperature anomaly (red) and the global low cloud cover changes (blue) according to the observations. The anomalies are between summer 1983 and summer 2008. The time resolution of the data is one month, but the seasonal signal is removed. Zero corresponds about  $15^{\circ}\text{C}$  for the temperature and 26 % for the low cloud cover.

## Cloud cover accounts for the real changes in global temperatures

This is further supported by researchers at Kobe University in Japan who published a nearly simultaneous paper that reveals how changes in our planet's magnetic field govern the intensity of solar radiation that reaches the lower atmosphere, causing cloud formation that alters global temperatures.

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That study, published in Nature, is called, "[Intensified East Asian winter monsoon during the last geomagnetic reversal transition](#)." It states:

*Records of suborbital-scale climate variation during the last glacial and Holocene periods can be used to elucidate the mechanisms of rapid climate changes... At least one event was associated with a decrease in the strength of the Earth's magnetic field. Thus, climate records from the MIS 19 interglacial can be used to elucidate the mechanisms of a variety of climate changes, including testing the effect of changes in geomagnetic dipole field strength on climate through galactic cosmic ray (GCR)-induced cloud formation...*

In effect, cosmic rays which are normally deflected via the magnetosphere are, in times of weak or changing magnetic fields emanating from Earth itself, able to penetrate further into Earth's atmosphere, causing the formation of low-level clouds which cover the land in a kind of "umbrella effect" that shades the land from the sun, allowing cooling to take place. But a lack of clouds makes the surface hotter, as would be expected. This natural phenomenon is now documented to be **the primary driver of global temperatures and climate**, not human activity.

Burn all the oil you want, in other words, and it's still just a drop in the bucket compared to the power of the sun and other cosmic influences. All the fossil

fuel consumption in the world barely contributes anything to actual global temperatures, the researchers confirmed.

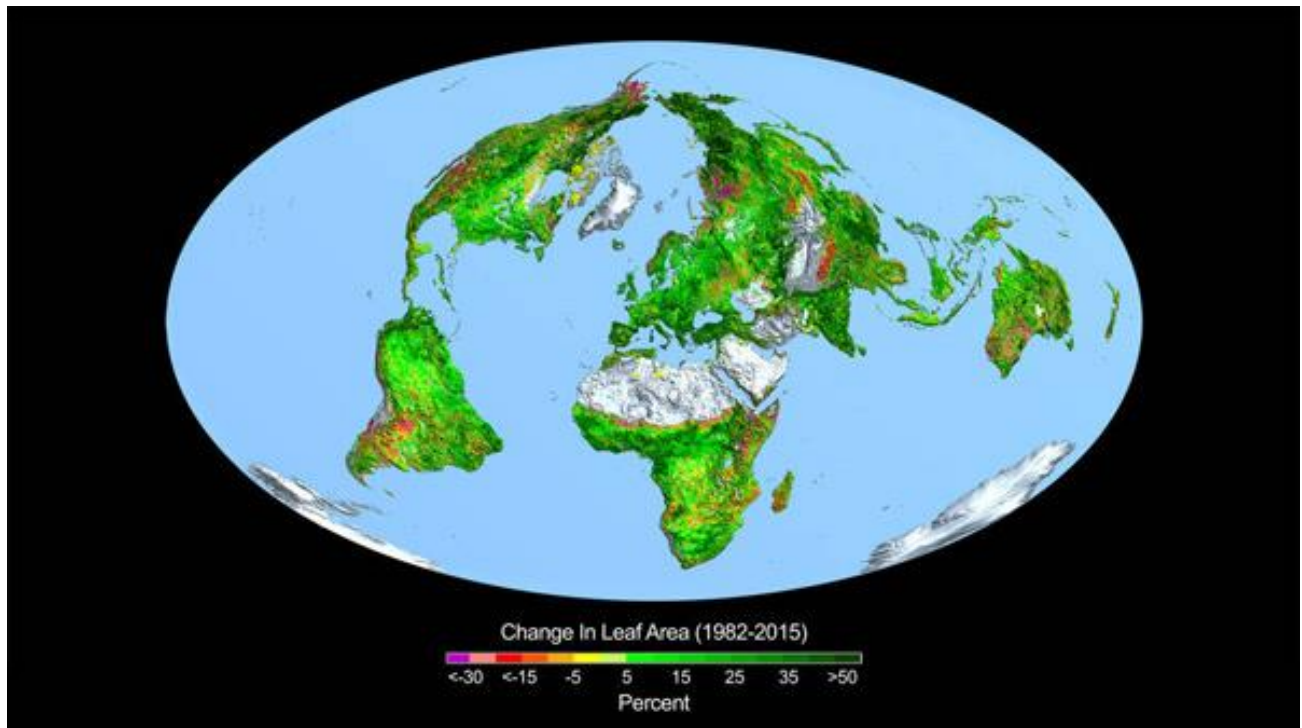
As they explain, the IPCC's climate models are wildly overestimating the influence of carbon dioxide on global temperatures:

*...the [IPCC] models fail to derive the influences of low cloud cover fraction on the global temperature. A too small natural component results in a too large portion for the contribution of the greenhouse gases like carbon dioxide. That is why J. KAUPPINEN AND P. MALMI IPCC represents the climate sensitivity more than one order of magnitude larger than our sensitivity 0.24°C. Because the anthropogenic portion in the increased CO2 is less than 10%, we have practically no anthropogenic climate change. The low clouds control mainly the global temperature.*

The entire “climate change” hoax is a fraud

[Carbon dioxide](#), in other words, isn't the “pollutant” that climate change alarmists have long claimed it to be. CO2 won't destroy the planet and barely has any effect on global temperatures (the IPCC's estimate of its effect is, according to Finnish researchers, about one order of magnitude too large, or ten times the actual amount).

In fact, NASA was forced to recently admit that [carbon dioxide is re-greening the Earth](#) on a massive scale by supporting the growth of rainforests, trees and grasslands. See these maps showing the increase in green plant life, thanks to rising CO2:



Importantly, reducing our global consumption of fossil fuels will have virtually **no impact on global temperatures**. The far bigger governor of climate and temperatures is the strength and configuration of Earth's magnetosphere, which has always been in flux since the formation of the planet billions of years ago. The weaker the magnetosphere, the more cosmic rays penetrate the atmosphere, resulting in the generation of clouds, which shield the planet's surface from the sun. Thus, a weaker magnetosphere causes global cooling, while a stronger magnetosphere results in global warming, according to this research. This phenomenon is called the "Svensmark Effect."

As [reported by Science Daily](#):

*This suggests that the increase in cosmic rays was accompanied by an increase in low-cloud cover, the umbrella effect of the clouds cooled the continent, and Siberian high atmospheric pressure became stronger. Added to other phenomena during the geomagnetic reversal — evidence of an annual average temperature drop of 2-3 degrees Celsius, and an increase in annual temperature ranges from the sediment in Osaka Bay — this new discovery about winter*







*SNOWFALL will become "A very rare and exciting event...*

*Children just aren't going to know what snow is."*

– Senior scientist, climatic research unit (CRU)

*"Good bye winter. Never again snow?"* – Spiegel (2000)

*"Milder winter temperatures will decrease heavy snowstorms"* – IPCC (2001)

*"End of Snow?"* – NYTimes (2014)

\*\*\*

WEATHER is, of course, not climate.

WE are keenly reminded of this fact by our climate change hysterical friends 'if' a significant snow event or cold blast is reported on the media.

THOUGH, do keep in mind the “End-Of-World” prophecies declared by our same friends every time a two-day heat wave (in summer) is reported, on repeat, throughout the mainstream media.

THE rules are simple – cold equals weather, hot equals climate!

\*

SKIING in Australia takes place in the high country of the states of New South Wales, Victoria and Tasmania, as well as in the Australian Capital Territory (Canberra), during the southern hemisphere winter. The season varies between ski fields and years, starting from mid June and ending mid October. The past three years have seen extended seasons across most higher altitude resorts.

THE 2019 ski season started early after the [heaviest May snow in decades](#) across Australia’s east coast.

WHILE most of the regular season since then has been ‘regular’, the latter half has been anything but, with the past two weeks seeing record snow dumps.

### *OFFICIAL MEASUREMENTS*

[SNOWY Hydro](#) have been measuring weekly **natural snow depths** at three locations the Snowy Mountains of NSW since the 1950’s. Their highest measuring site is at Spencers Creek (1,830m elevation) near Charlotte Pass.

THE latest readings have been impressive. Record-breaking, in fact ...

ACCORDING to [Elders weather](#):

The natural snow depth at Spencers Creek was 202.7cm this week. **This is the earliest date for a depth of two metres to be measured at Spencers Creek in 15 years.**

It’s also an increase of 77.5cm from last week and, impressively, the third weekly increase of more than 70cm so far this season. **This is a new record for Spencers Creek.** Prior to 2019, there had only ever been two weekly depth increases 70cm or more in any one season, with data available back to 1954.

While there have been some long periods without any significant snow this season, when it has snowed, **it’s been exceptional in a historical context.**

WITH more snow on the way this weekend for Australia’s ski fields, **natural snow depth** could reach its [deepest level in two decades](#).

## End of Snow (Again): “under a high emissions scenario, skiing could be very limited ... by the end of this century”

Eric Worrall / December 22, 2018



### Guest essay by Eric Worrall

They can’t help themselves, their models predict a level of warming which would melt most of the snow.

#### *Is skiing dead due to global warming?*

*Dear EarthTalk: With the onset of global warming, **how likely is it that ski resorts and skiing itself might soon become a thing of the past?***

— Mandy Billings, Provo, UT

*Last winter’s low snow year and unseasonably warm temperatures across much of the American West meant a bad year for business for some ski resorts, and also left many of us wondering whether skiing would even be possible in the warmer world we’re getting as we continue to pump out greenhouse gases.*

*“Our recent modeling suggests that under a high emissions scenario, **skiing could be very limited to non-existent in parts of the country by the end of this century**, particularly in lower elevations — such as the northeast, Midwest and lower mountains around the West,” says Cameron Wobus, lead author on a 2017 study*

projecting climate change impacts on skiing across the U.S. “**Things look better mid-century, so this dire future for skiing isn’t imminent** — and things also look much better under a more aggressive greenhouse gas mitigation scenario, so this future also isn’t inevitable.”

...

Read more: [https://azdailysun.com/opinion/columnists/is-skiing-dead-due-to-global-warming/article\\_da309df8-e1b7-53d5-b175-3b1ea2f71e31.html](https://azdailysun.com/opinion/columnists/is-skiing-dead-due-to-global-warming/article_da309df8-e1b7-53d5-b175-3b1ea2f71e31.html)

The abstract of Wobus’ 2017 report;

### ***Projected climate change impacts on skiing and snowmobiling: A case study of the United States***

*Cameron Wobus, Eric E. Small, Heather Hosterman, David Mills, Justin Stein, Matthew Rissing, Russell Jones, Michael Duckworth, Ronald Hall, Michael Kolian, Jared Creason, Jeremy Martinich*

*We use a physically-based water and energy balance model to simulate natural snow accumulation at 247 winter recreation locations across the continental United States. We combine this model with projections of snowmaking conditions to determine downhill skiing, cross-country skiing, and snowmobiling season lengths under baseline and future climates, using data from five climate models and two emissions scenarios. Projected season lengths are combined with baseline estimates of winter recreation activity, entrance fee information, and potential changes in population to monetize impacts to the selected winter recreation activity categories for the years 2050 and 2090. Our results identify changes in winter recreation season lengths across the United States that vary by location, recreational activity type, and climate scenario. However, **virtually all locations are projected to see reductions in winter recreation season lengths, exceeding 50% by 2050 and 80% in 2090 for some downhill skiing locations.** We estimate these season length changes could result in millions to tens of millions of foregone recreational visits annually by 2050, with an annual monetized impact of hundreds of millions of dollars. Comparing results from the alternative emissions scenarios shows that limiting global greenhouse gas emissions could both delay and substantially reduce adverse impacts to the winter recreation industry.*

Read

more: [https://www.sciencedirect.com/science/article/pii/S095937801630555](https://www.sciencedirect.com/science/article/pii/S0959378016305556)

6

THE FOLLOWING INTERVIEW BY LATE BELGIAN CLIMATE SCIENTIST ISTVAN MARKO SUMMARIZES AND REBUTS THE CLIAMTE LIES.

# All the biggest lies about climate change DEBUNKED in one astonishing interview

Wednesday, May 01, 2019 by: [Mike Adams](#)

Tags: [badscience](#), [carbon dioxide](#), [climage change](#), [CO2](#), [Fact Check](#), [global warming](#), [goodclimate](#), [greenhouse effect](#), [interview](#), [mass hypnosis](#), [real investigations](#), [truth](#)

10K VIEWS



([Natural News](#)) Everything you've been told about global warming, climate change and carbon dioxide by the mainstream media — and mainstream “science” — is an outright lie. Far from being a dangerous poison, carbon dioxide is a miraculous life-giving nutrient that plants need to thrive. [Rising carbon dioxide](#) is actually helping “green” the planet, as any legitimate science already knows. Without CO<sub>2</sub> in the atmosphere, nearly all life on the planet would collapse, including both human life and plant life. (See my numerous science videos, below, which explain all this in detail.)

(Article republished from [ClimateScienceNews.com](#))

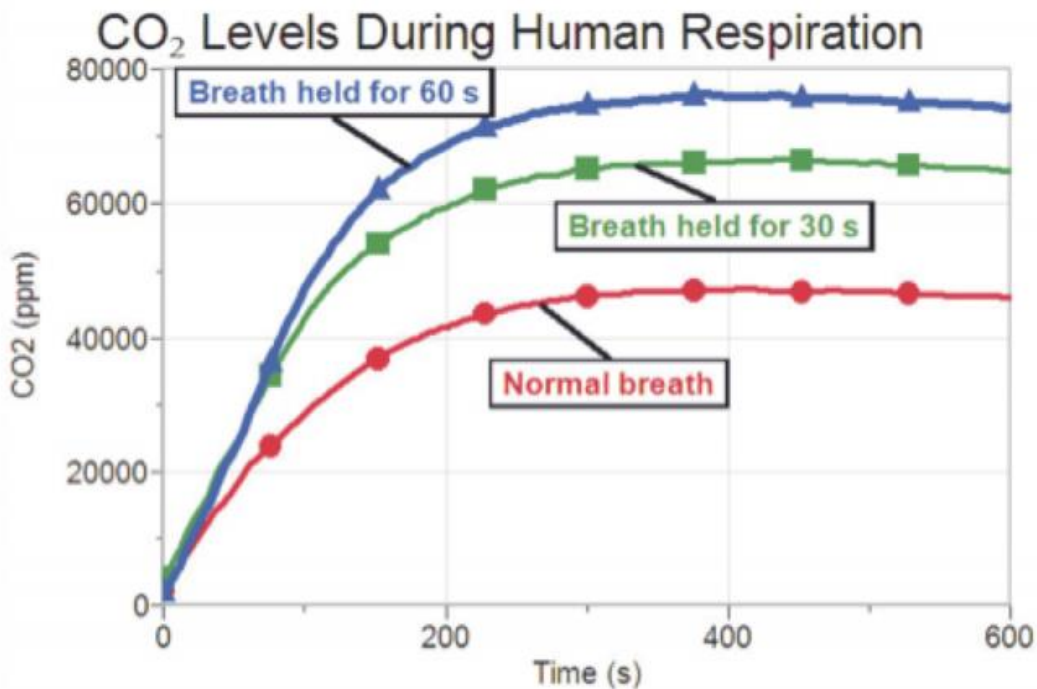
Now, an eye-opening interview has emerged that features Istvan Marko, an organic chemistry researcher and professor at the *Université catholique de*

Louvain. He was recently interviewed by Grégoire Canlorbe, a science journalist and out-of-the-box thinker. I'm publishing parts of the interview below, and I encourage you to read [the full interview at GregoireCanlorbe.com](http://GregoireCanlorbe.com).

All the words below are from István Markó, except the subhead titles, which are mine:

### The truth about carbon dioxide

Again, [CO<sub>2</sub> is not, and has never been, a poison](#). Each of our exhalations, each of our breaths, emits an astronomical quantity of CO<sub>2</sub> proportionate to that in the atmosphere (some >40,000 ppm); and it is very clear that the air we expire does not kill anyone standing in front of us. What must be understood, besides, is that CO<sub>2</sub> is the elementary food of plants. Without CO<sub>2</sub> there would be no plants, and without plants there would be no oxygen and therefore no humans. The equation is as simple as that.



Plants need CO<sub>2</sub>, water, and daylight. These are the mechanisms of photosynthesis, to generate the sugars that will provide them with staple food and building blocks. That fundamental fact of botany is one of the primary reasons why anyone who is sincerely committed to the preservation of the “natural world” should abstain from demonizing CO<sub>2</sub>. Over the last 30 years, there has been a gradual increase in the CO<sub>2</sub> level. But what is also observed is that despite deforestation, the planet’s vegetation has grown by about 20%. This expansion of vegetation on the planet, nature lovers largely owe it to the increase in the concentration of CO<sub>2</sub> in the atmosphere.

If we study, however, what has been happening at the geological level for several million years, we realize that the present period is characterized by an extraordinarily low CO<sub>2</sub> level. During the Jurassic, Triassic, and so on, the CO<sub>2</sub> level rose to values sometimes of the order of 7000, 8000, 9000 ppm, which considerably exceeds the paltry 400 ppm that we have today. Not only did life exist, in those far-off times when CO<sub>2</sub> was so present in large concentration in the atmosphere, but plants such as ferns commonly attained heights of 25 meters. Reciprocally, far from benefiting the current vegetation, the reduction of the presence of CO<sub>2</sub> in the atmosphere would be likely to compromise the health, and even the survival, of numerous plants. To fall below the threshold of 280 or 240 ppm would plainly lead to the extinction of a large variety of our vegetal species.

In addition, our relentless crusade to reduce CO<sub>2</sub> could be more harmful to nature as plants are not the only organisms to base their nutrition on CO<sub>2</sub>. Phytoplankton species also feed on CO<sub>2</sub>, using carbon from CO<sub>2</sub> as a building unit and releasing oxygen. By the way, it is worth remembering that ~70% of the oxygen present today in the atmosphere comes from phytoplankton, not trees: contrary to common belief, it is not the forests, but the oceans, that constitute the “lungs” of the earth.

## **The truth about the “greenhouse effect”**

About the supposed link between global warming and CO<sub>2</sub> emissions, it is simply not true that CO<sub>2</sub> has a major greenhouse effect. It is worth remembering, here too, that CO<sub>2</sub> is a minor gas. Today it represents only 0.04% of the composition of the air; and its greenhouse effect is attributed the value of 1. The [major greenhouse gas in the atmosphere is water vapor](#) which is ten times more potent than CO<sub>2</sub> in its greenhouse effect. Water vapor is present in a proportion of 2% in the atmosphere. Those facts are, in principle, taught at school and at university, but one still manages to incriminate CO<sub>2</sub> alongside this learning, in using a dirty trick that presents the warming effect of CO<sub>2</sub> as minor but exacerbated, through feedback loops, by the other greenhouse effects.

How status quo science brainwashes people and turns them into obedient robots who spout scientific nonsense

I believe in science: I mean that I believe in the possibility of objectively knowing reality through science. I believe that there are truth and falsehood, that science allows us to distinguish between the two, and that truth must be known; that scientific knowledge must be placed in the hands of the population. I also believe in freedom. I believe that every man is entitled to lead his life and to manage his goods as he sees fit, that he is the only possessor of himself, and that statist socio-economic control is as morally reprehensible as it is harmful in its social, economic, and environmental consequences.

I note two things distressing me: firstly, the population is increasingly misinformed scientifically; and secondly, the media and governments take advantage of this to propagate a theory that is doubtful, namely that of anthropogenic warming, and to promote coercive measures on its behalf. Few people take the time to get vital information about the actual CO<sub>2</sub> footprint; and few people, more generally, are still interested in science. I deeply regret that our Western societies have succeeded in cultivating



such mistrust of science: such a reluctance to have confidence in its capacity to know the world objectively and to transform it positively.

The theory of anthropogenic warming claims to be scientific; but if people accept this theory, if they hold it to be true, it is clearly not out of interest for science. Such a fragile theory, in view of the CO<sub>2</sub> facts I have presented to you above, could never have been accepted by people who truly care about science; and who possess a deep understanding in that field. In my eyes, there are two main reasons—or if you prefer, two main types of feelings—that make people let themselves be seduced by the theory of anthropogenic warming so readily. In the first place, the Catholic religion is in decline in the Western world; and what I call ecologism comes to replace it.

In the second place, Westerners have a pronounced taste for self-flagellation; and the theory of anthropogenic warming provides justification for that tendency, possibly anchored in our Judeo-Christian heritage. So, on the one hand, we have religious feelings: faith in a new system of thought, which is ecologism; the veneration of a new divinity, which is benevolent and protective Nature. On the other hand, we have a feeling of guilt, expressed in our conviction that, if the climate warms up, it is our fault; and that if we do not immediately limit our CO<sub>2</sub> emissions, we will have sullied and disfigured our planet.

### **Rising ocean levels and melting ice caps**

Over the last 12,000 years, what we have witnessed is an oscillation between warm and cold periods, thus periods with rising and declining sea levels. Incontestably, sea and ocean levels have been on the rise since the end of the Little Ice Age that took place approximately from the beginning of the 14<sup>th</sup> century until the end of the 19<sup>th</sup> century. At the end of that period, global temperatures started to rise. That being said, the recorded rise is 0.8 degrees Celsius and is, therefore, nothing extraordinary. If the temperature goes up, ocean water obviously dilates and some glaciers

recede. This is something glaciers have always done, and not a specificity of our time.

Thus, in Ancient Roman times, glaciers were much smaller than the ones we know nowadays. I invite the reader to look at the documents dating back to the days of [Hannibal](#), who managed to cross the Alps with his elephants because he did not encounter ice on his way to Rome, (except during a snow storm just before arriving on the Italian plain). Today, you could no longer make Hannibal's journey. He proved to be capable of such an exploit, precisely because it was warmer in Roman times.

Sea levels are currently on the rise; but this is an overestimated phenomenon. The recorded rise is 1.5 millimeters per year, namely 1.5 cm every ten years, and is, therefore, not dramatic at all. Indeed, it does happen that entire islands do get engulfed; but in 99% of the cases, that is due to a classic erosion phenomenon<sup>[2]</sup> and not to rising sea levels. As far as the Italian city of Venice is concerned, the fact it has been faced with water challenges is not due to any rise of the lagoon level; and is just the manifestation of the sad reality that "the City of the Doges" is sinking under its weight on the marshland. Once again, the global sea and ocean levels are rising; but the threat effectively represented by that phenomenon is far from being tangible. I note that the Tuvalu islands, whose engulfment was previously announced as imminent, not only have not been engulfed, but have seen their own land level rise with respect to that of waters around them.

Still another phenomenon we tend to exaggerate is the melting of the polar caps. The quantity of ice in the Arctic has not gone down for 10 years: one may well witness, from one year to the other, ice level fluctuations, but on average that level has remained constant. Right after the Little Ice Age, since the temperature went up, the Arctic started to melt; but the ice level in the Arctic finally settled down. Besides, ice has been expanding in Antarctica over the last 30 years; and similarly, we observe in Greenland that the quantity of ice increased by 112 million cubic kilometers last year.

On a global scale, glaciers account for peanuts, with most of the ice being located in Antarctica and on Greenland. One cannot but notice an almost unchanged ice level over hundreds of years.

...We are told that the level of water will increase throughout the world and increase to the point that it will overwhelm a large part of our continents. As Hans von Storch, one of the world's leading climate modelers, has shown, the models supporting those forecasts are, for 98% of them, totally false. We are told that the air we breathe in the big cities has never been so polluted. One only must review the documents oneself about the air that people used to breathe in London in the 1960s to realize how much urban pollution has diminished. In Peking, often castigated for poor air quality, there happens, every now and then, a fog reminiscent of the London smog. But even that pollution in Peking is far from competing with that which, a short while ago, reigned in London.

### **Global “warming” and temperature models**

Many other climate myths and legends exist. From storms to tornados, extreme events are going down all around the world; and when they occur, their level is much lower, too. As explained by MIT physicist [Richard Lindzen](#), the reduction of the temperature differential between the north hemisphere and the equatorial part of our planet makes cyclonic energy much smaller: the importance and frequency of extreme events thus tend to decrease. But once again, the rise of temperatures shows a magnitude considerably lower with respect to that we currently project.

If you look at satellite data and weather balloon measurements, you then note that [the temperature rise around the world is relatively modest; that it is much lower than the rise that is predicted for us by authorities](#), and that these predictions rely on calculations that are highly uncertain. This is because the simulation inputs cannot take into account past temperatures (for which there is no precision data<sup>[3]</sup>), except by subjectively adjusting x, y, z data that are not always known. The recent temperature spikes

measured by satellites and balloons are part of a classic natural phenomenon which is called El Niño. This short-term phenomenon consists of a return of the very warm waters at the surface of the equatorial Pacific Ocean. The heat thus liberated in the atmosphere pushes up the global temperature and CO<sub>2</sub> plays no role in that process.

Another issue I would like to raise: present deserts, far from expanding, are receding; and they are receding due to the higher quantity of CO<sub>2</sub> available in the air. It turns out that greenhouse operators voluntarily inject three times as much CO<sub>2</sub> in the commercial greenhouse as it is present in the atmosphere. The result we can observe is that plants grow faster and are bigger, that they are more resistant to diseases and to destructive insects, and that their photosynthesis is way more efficient and that they therefore consume, less water. Similarly, the rise of CO<sub>2</sub> level in the atmosphere makes that plants need less water and thus that they can afford to colonize arid regions.

Regarding diseases and other weird phenomena hastily attributed to climate warming, there is a website—“[globalwarminghoax.com](http://globalwarminghoax.com),” if I recall—that collects the different rumors and contemplations on [this theme](#). The fact that masculine fertility decreases; the fact that birds’ wings shrink; the fact that a shark showed up in the North Sea; absolutely anything is likely to be connected to climate change if one displays enough intellectual dishonesty. That is where honest journalists come into play: your role is to investigate on the true reason of phenomena and to demystify the ready-made thinking that financial and political forces ask the media to channel slavishly.

Climate-related diseases are relatively rare; and even malaria does not directly depend on the climate, but rather on the way we enable the parasite to reproduce and the mosquito to flourish in the place where we are located. If you find yourself in a swampy area, the odds you will get malaria are high; if you have drained the system and you no longer have that wetland, the odds you will catch the disease are very low. In the end,

automatically blaming the resurgence of some disease on climate change comes down to removing the personal responsibility from the people involved: such as denying that their refusal of vaccinations, for instance, or their lack of hygiene, may be part of the problem.

### **The economic failure of wind power**

The wind industry, over which ecologists swoon, produces highly unpredictable output, depending on the intensity of the wind. Even under good atmospheric conditions, wind delivers too little electricity to be a profitable industry on its own. Warren Buffet, who owns one of the largest wind farms in Iowa, said it without embarrassment: “On wind power, we get a tax credit if we build a lot of wind farms. This is the only reason to build them. They do not make sense without the tax credit.” The ecological balance is just as bad: onshore wind turbines kill hundreds of thousands, even millions of birds and bats per year. As for wind turbines at sea, they kill many marine mammals, again in the utmost indifference of ecologists.

### **Thoughts on world government and eco-tyranny**

Many persons, generally those coming from the former Eastern Bloc, let themselves be seduced by the idea that the resolution of our environmental problems would be that of global governance. In many respects, ecologism is also the communism of the 21st century. In the same way as Islam, it occupies the place left vacant by the decline of Marxism-Leninism. I do not know if a convergence of struggles between Islamists and ecologists will actually take shape; however, I note that we already have the equivalent, on a smaller scale, of the global ecological caliphate. I am thinking of the European Union, which gives us a foretaste of the bureaucratic, global, and totalitarian governance that the United Nations manifestly endeavors to establish.

Since we are talking about globalization, envisioned in its political aspect, the prospect of a world government, but also in its economic and, say,

informational aspect—the networking, sometimes instantaneous, of humans, goods, and ideas—I would like to opine a possible perverse effect. As cultures and mentalities mingle, the Westerners' ecologist (or Gaianist) religion, as well as their penchant for repentance, seem to even reach some of the Asian peoples. Japan, which emerged spiritually emasculated from the Second World War, is more conducive to letting itself be invaded by that Western sanctification of the self-denial of ecologism.

### **The global depopulation agenda**

The agreement of the Paris COP 21 was not signed to save the planet and to prevent us from roasting due to an imaginary temperature increase of +2°C. Behind all that masquerade is hidden, as always, the ugly face of power, greed, and profit. All the industrialists who are in favor of that commitment, which will ruin Europe and immensely impoverish its citizens, do so for the good reason they find in it a huge and easy source of income. As for NGOs, when they are not simply motivated by greed, their motive consists in a resolutely Malthusian ideology. Their object is to return the world to a very small population, on the order of a few hundred million people. To do so, they impoverish the world, remove the power of fossil fuel energies, and thus ensure that the number of deaths increases.

**Interview end.**

<https://www.naturalnews.com/2019-05-01-all-the-biggest-lies-about-climate-change-and-global-warming-debunked.html>

## **Distinguished Belgian Scientist, A Top Climate Skeptic, Dies Suddenly**

*Published on August 22, 2017*

Written by Pierre L. Gosselin

Very sad news. One of Europe's most vocal critics of the climate alarmism movement, lecturer and chemist **Prof. Istvan Marko**, recently passed away on July 31, 2017.

Not only was Prof. Markó a distinguished scientist and researcher, but also a noted critic of authoritarian governments, climate alarmism and a fighter for human liberty. Born in Hungary in 1956, his parents fled communist oppression soon after his birth.



*Prof. Istvan Markó , Professor of Organic Chemistry, Université Catholique de Louvain; 1956 – 2017. Photo: Facebook.*

Markó was often a frequent guest on French-language television and radio on topics concerning climate policy and was featured at NoTricksZone.com on several occasions, for example [here](#), [here](#) and [here](#). His death was unexpected, a shock, and deeply saddening. He was also [featured at Climate Depot](#).

The Université Catholique de Louvain professor and researcher died prematurely of complications from surgery on July 31. He was only 61 years old.

Last year he was among the signatories to an open letter disputing alarmist claims publicly made by 377 members of the National Academy of Sciences to draw attention to the “serious risks of climate change”. More [here](#).

### **IPCC theories “sordid”, “failed”**

Prof. Markó was an especially outspoken and harsh critic of alarmist climate science and the IPCC. In March 2016 [he responded](#) to an article posted by NTZ guest author and weekly contributor **Kenneth Richard**, writing that observations made by many scientists once again “*contradict the sordid theories of the IPCC*” and that atmospheric CO2 concentrations “*absolutely do not correlate with the fluctuations of the levels of the oceans and the movements of advances and withdrawals of glaciers*”.

He wrote that the IPCC science had “*failed again*”.

He also blasted the COP21 Paris Climate Accord (which President Donald Trump has since thankfully rejected). Markó called the COP21 agreement “*a resounding failure*” and “*grand illusions*” based on “*delirium*”.

### **“Wishful thinking” by rich countries**

In an [English-language interview](#) he blasted COP 21, claiming that it essentially resulted in nothing. He commented:

*The result of COP 21 is no result ...because there is nothing binding in this particular treaty.”*

Markó added the only thing that motivates CO2 reductions is the lack of shame by officials:

*To my knowledge no politician knows what shame is at all. They are totally not subject to shame.”*

In an interview with the Belgian online [Le Peuple here](#) in December, 2015, Markó called the COP21 agreement an “*obvious failure*” because nothing was binding and that it was merely rich countries engaging in “*wishful thinking*”.



On the 2°C target, Markó said it had “*strictly no physical or scientific basis*”, was “*nothing serious*“ and was a randomly picked number by Hans-Joachim Schellnhuber, Director of the Potsdam Institute for Climate Impact Research, which Markó called “*the green lobby in Germany*” and “*a voice of the Church of climate alarmism*”.

### **“A prince among men”**

Fellow Belgian skeptics wrote in an e-mail to NTZ that Prof. Markó was “*a great man*” and one of the “leading spirits” among the skeptic side of the debate. “István was a prince among man, a true scientist.”

### **A true inspiration**

Europe and the world have lost an important foot soldier in the fight for scientific integrity and human freedom, and he will continue to inspire us to never relent. According to sources, Istvan Markó’s body will be cremated today.

Read more at [notrickszone.com](http://notrickszone.com)

# Supreme Court justice: carbon dioxide is "not a pollutant"

February 16, 2017 10:56am

[Plain sense](#) from US Supreme Court Justice Samuel Alito on a gas so wildly demonised by global warming extremists:

*A pollutant is a subject that is harmful to human beings or to animals or to plants.*

*Carbon dioxide is not a pollutant. Carbon dioxide is not harmful to ordinary things, to human beings, or to animals, or to plants. It's actually needed for plant growth.*

*All of us are exhaling carbon dioxide right now. So, if it's a pollutant, we're all polluting.*

<http://www.climatedepot.com/2017/02/14/supreme-court-justice-samuel-alito-carbon-dioxide-is-not-a-pollutant/>

## Study finds that carbon dioxide is not a pollutant

Alex Mills , Special to the Times Record News Published 1:45 p.m. CT May 5, 2017



*(Photo: Contributed graphic)*

**CONNECTTWEETLINKEDINCOMMENTEMAILMORE**

Efforts to reverse the environmental overreach implemented by the Obama administration continues at the White House, in the halls of Congress, within the courts, and among academia.

Overreach exploded in 2009 when the Environmental Protection Agency declared that carbon dioxide, also known as CO<sub>2</sub>, is a pollutant and poses a "danger" to human health and welfare, and, therefore, it must be regulated.

This has become known as EPA's "endangerment finding," which was used as a basis for many of its regulations on fossil fuels during the past eight years.

A new study published recently by three veteran researchers reveals that "EPA's basic claim that CO<sub>2</sub> is a pollutant is totally false."

The authors - Drs. Jim Wallace, John Christy and Joe D'Aleo - stated there is "very, very little doubt but that EPA's claim of a Tropical Hot Spot, caused by rising atmospheric CO<sub>2</sub> levels, simply does not exist in the real world."

The study stated after naturally occurring events - solar, volcanic, and oceanic - have been accounted for, there is no "record setting" warming to be concerned about.

"At this point, there is no statistically valid proof that past increases in atmospheric CO<sub>2</sub> concentrations have caused the officially reported rising, even claimed record setting temperatures."

The study was completed on behalf of the Concerned Household Electricity Consumers Council. It has been filed with the EPA. The council has asked EPA to reconsider its endangerment finding.

Many critics of EPA's endangerment findings point out that the findings are lacking in scientific basis and consist primarily of models showing how EPA thinks the atmospheric heat transfer system works.

**Carbon dioxide (CO<sub>2</sub>) is not a pollutant** and the global warming debate has nothing to do with pollution. The average person has been misled and is confused about what the current global warming debate is about - greenhouse gases. None of which has anything to do with air pollution.

People are confusing smog, carbon **monoxide** (CO) and the pollutants in car exhaust with the life supporting, essential trace gas in our atmosphere - carbon **dioxide** (CO<sub>2</sub>). Real air pollution is already regulated under the 1970's Clean Air Act and regulating carbon dioxide (CO<sub>2</sub>) will do absolutely nothing to make the air you breath "cleaner".

They are also misled to believe that CO<sub>2</sub> is polluting the oceans through acidification but there is nothing unnatural or unprecedented about current measurements of ocean water pH and a future rise in pCO<sub>2</sub> will likely yield growth benefits to corals and other sea life.

Thus, regulating carbon dioxide (CO<sub>2</sub>) emissions through either 'carbon taxes', 'cap and trade' or the EPA will cause all energy prices (e.g. electricity, gasoline, diesel fuel, heating oil) to [skyrocket](#).

***"CO<sub>2</sub> for different people has different attractions. After all, what is it? - it's not a pollutant, it's a product of every living creature's breathing, it's the product of all plant respiration, it is essential for plant life and photosynthesis, it's a product of all industrial burning, it's a product of driving – I mean, if you ever wanted a leverage point to control everything from exhalation to driving, this would be a dream. So it has a kind of fundamental attractiveness to bureaucratic mentality."***

- Richard S. Lindzen, Ph.D. Professor Emeritus of Atmospheric Science, MIT

***"CO2 is not a pollutant. In simple terms, CO2 is plant food. The green world we see around us would disappear if not for atmospheric CO2. These plants largely evolved at a time when the atmospheric CO2 concentration was many times what it is today. Indeed, numerous studies indicate the present biosphere is being invigorated by the human-induced rise of CO2. In and of itself, therefore, the increasing concentration of CO2 does not pose a toxic risk to the planet."***

- John R. Christy, Ph.D. Professor of Atmospheric Sciences, University of Alabama

***"Carbon dioxide is not a pollutant but a naturally occurring, beneficial trace gas in the atmosphere. For the past few million years, the Earth has existed in a state of relative carbon dioxide starvation compared with earlier periods. There is no empirical evidence that levels double or even triple those of today will be harmful, climatically or otherwise. As a vital element in plant photosynthesis, carbon dioxide is the basis of the planetary food chain - literally the staff of life. Its increase in the atmosphere leads mainly to the greening of the planet. To label carbon dioxide a "pollutant" is an abuse of language, logic and science."***

- Robert M. Carter, Ph.D. Professor Emeritus of Environmental and Earth Sciences, James Cook University

***"Carbon dioxide is not a pollutant. On the contrary, it makes crops and forests grow faster. Economic analysis has demonstrated that more CO2 and a warmer climate will raise GNP and therefore average income. It's axiomatic that bureaucracies always want to expand their scope of operations. This is especially true of EPA, which is primarily a regulatory agency. As air and water pollution disappear as prime issues, as acid rain and stratospheric-ozone depletion fade from public view, climate change seems like the best growth area for regulators. It has the additional glamour of being international and therefore appeals to those who favor world governance over national sovereignty. Therefore, labeling carbon dioxide, the product of fossil-fuel burning, as a pollutant has a high priority for EPA as a first step in that direction."***

- S. Fred Singer, Ph.D. Professor Emeritus of Environmental Sciences, University of Virginia

***"To state in public that carbon dioxide is a pollutant is a public advertisement of a lack of basic school child science. Pollution kills, carbon dioxide leads to the thriving of life on Earth and increased biodiversity. Carbon dioxide is actually plant food."***

- Ian R. Plimer, Ph.D. Professor Emeritus of Earth Sciences, University of Melbourne

***"Carbon and CO<sub>2</sub> (carbon dioxide) are fundamental for all life on Earth. CO<sub>2</sub> is a colorless, odorless, non-toxic gas. CO<sub>2</sub> is product of our breathing, and is used in numerous common applications like fire extinguishers, baking soda, carbonated drinks, life jackets, cooling agent, etc. Plants' photosynthesis consume CO<sub>2</sub> from the air when the plants make their carbohydrates, which bring the CO<sub>2</sub> back to the air again when the plants rot or are being burned."***

- Tom V. Segalstad, Ph.D. Professor of Environmental Geology, University of Oslo

***"To suddenly label CO<sub>2</sub> as a "pollutant" is a disservice to a gas that has played an enormous role in the development and sustainability of all life on this wonderful Earth. Mother Earth has clearly ruled that CO<sub>2</sub> is not a pollutant."***

- Robert C. Balling Jr., Ph.D. Professor of Climatology, Arizona State University

***"CO<sub>2</sub> is not a pollutant as Gore infers. It is, in fact essential to life on the planet. Without it there are no plants, therefore no oxygen and no life. At 385 ppm current levels the plants are undernourished. The geologic evidence shows an average level of 1000 ppm over 600 million years. Research shows plants function most efficiently at 1000-2000 ppm. Commercial greenhouses use the information and are pumping CO<sub>2</sub> to these levels and achieve four times the yield with reduced water use. At 200 ppm, the plants suffer seriously and at 150 ppm, they begin to die. So if Gore achieves his goal of reducing CO<sub>2</sub> he will destroy the planet."***

- Tim F. Ball, Ph.D. Climatology

***"Many chemicals are absolutely necessary for humans to live, for instance oxygen. Just as necessary, human metabolism produces by-products that are exhaled, like carbon dioxide and water vapor. So, the production of carbon dioxide is necessary, on the most basic level, for humans to survive. The carbon dioxide that is emitted as part of a wide variety of natural processes is, in turn, necessary for vegetation to live. It turns out that most vegetation is somewhat 'starved' for carbon dioxide, as experiments have shown that a wide variety of plants grow faster, and are more drought tolerant, in the presence of doubled carbon dioxide concentrations. Fertilization of the global atmosphere with the extra CO<sub>2</sub> that mankind's activities have emitted in the last century is believed to have helped increase agricultural productivity. In short, carbon dioxide is a natural part of our environment, necessary for life, both as 'food' and as a***

**by-product."**

- Roy Spencer, Ph.D. Meteorology, Former Senior Scientist for Climate Studies, NASA

**"I am at a loss to understand why anyone would regard carbon dioxide as a pollutant. Carbon dioxide, a natural gas produced by human respiration, is a plant nutrient that is beneficial both for people and for the natural environment. It promotes plant growth and reforestation. Faster-growing trees mean lower housing costs for consumers and more habitat for wild species. Higher agricultural yields from carbon dioxide fertilization will result in lower food prices and will facilitate conservation by limiting the need to convert wild areas to arable land."**

- David Deming, Ph.D. Professor of Geology and Geophysics, University of Oklahoma

**"Carbon dioxide is not a pollutant. It is a colorless, odorless trace gas that actually sustains life on this planet. Consider the simple dynamics of human energy acquisition, which occurs daily across the globe. We eat plants directly, or we consume animals that have fed upon plants, to obtain the energy we need. But where do plants get their energy? Plants produce their own energy during a process called photosynthesis, which uses sunlight to combine water and carbon dioxide into sugars for supporting overall growth and development. Hence, CO<sub>2</sub> is the primary raw material that plants depend upon for their existence. Because plants reside beneath animals (including humans) on the food chain, their healthy existence ultimately determines our own. Carbon dioxide can hardly be labeled a pollutant, for it is the basic substrate that allows life to persist on Earth."**

- Keith E. Idso, Ph.D. Botany

**"To classify carbon dioxide as a pollutant is thus nothing short of scientific chicanery, for reasons that have nothing to do with science, but based purely on the pseudo-science so eagerly practiced by academia across the world in order to keep their funding sources open to the governmental decrees, which are in turn based on totally false IPCC dogma (yes, dogma - not science)."**

- Hans Schreuder, Analytical Chemist

**"Atmospheric CO<sub>2</sub> is required for life by both plants and animals. It is the sole source of carbon in all of the protein, carbohydrate, fat, and other organic molecules of which living things are constructed. Plants extract carbon from atmospheric CO<sub>2</sub> and are thereby fertilized. Animals obtain their carbon from plants. Without atmospheric CO<sub>2</sub>, none of the life we see on Earth would exist. Water, oxygen, and carbon dioxide are the three most**

*important substances that make life possible. They are surely not environmental pollutants."*

- Arthur B. Robinson, Ph.D. Professor of Chemistry

<http://www.populartechology.net/2008/11/carbon-dioxide-co2-is-not-pollution.html>

## Climate Revisionism 101 : “We Have To Get Rid Of The Medieval Warm Period”

Posted: March 18, 2018 | Author: [Jamie Spry](#) | Filed under:

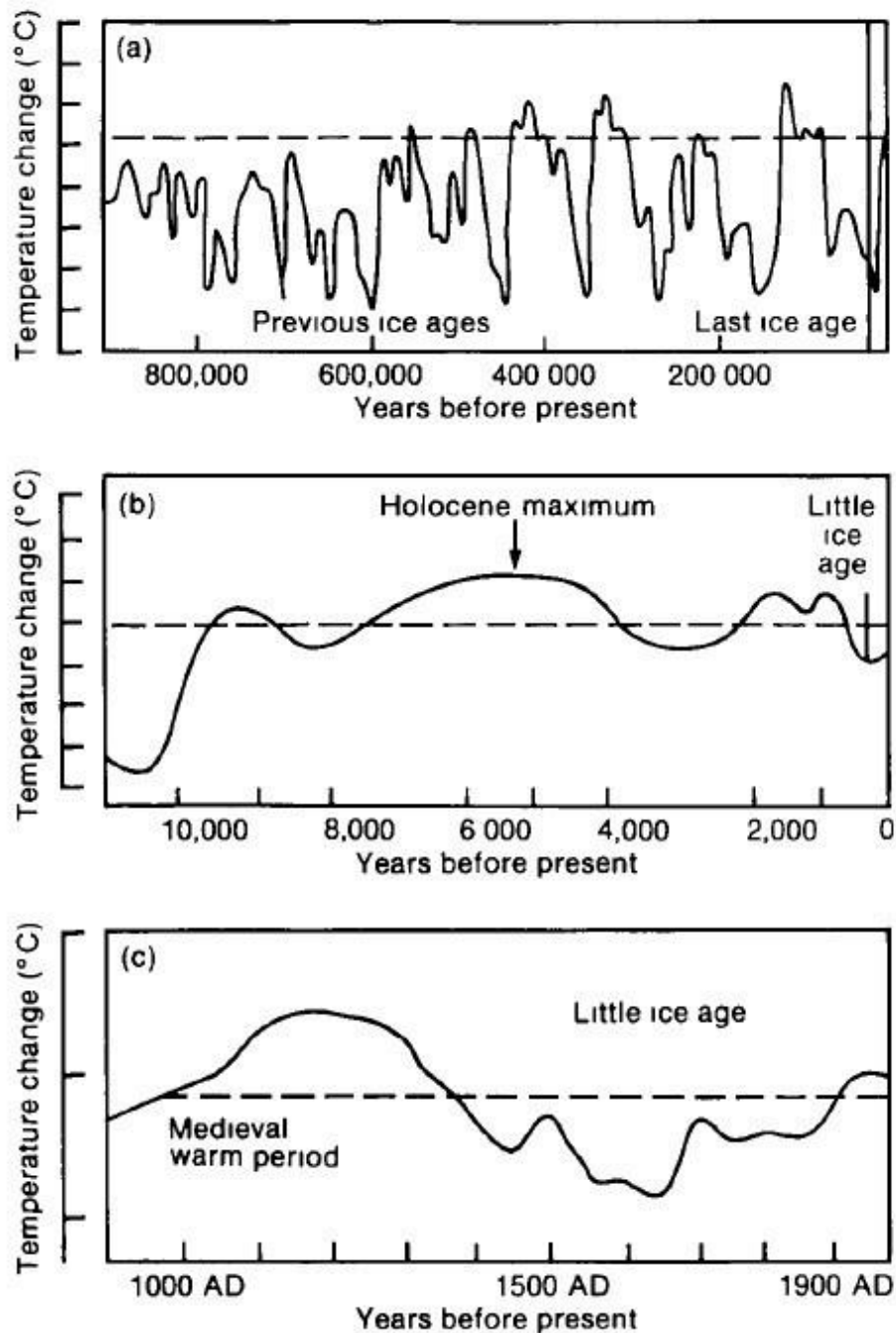
[https://www.epw.senate.gov/hearing\\_statements.cfm?id=266543](https://www.epw.senate.gov/hearing_statements.cfm?id=266543)

WHEN you are a man-made global warming alarmist prosecuting your case as “unprecedented”, you need to make sure that no recent climate era was as warm or warmer than the present, even if that means having to rewrite the past to fit your theory.

THE Medieval Warm Period, also known as the **Medieval Climate Optimum** (for obvious reasons) existed a short time ago in the climate record, from c. 950 to c. 1250., and has remained a thorn in the side for modern “global warming” catastrophists...

IN the **1990 IPCC report**, the Medieval Warm Period was much warmer than the late 19th century:





**Figure 7.1:** Schematic diagrams of global temperature variations since the Pleistocene on three time scales (a) the last million years (b) the last ten thousand years and (c) the last thousand years. The dotted line nominally represents conditions near the beginning of the twentieth century

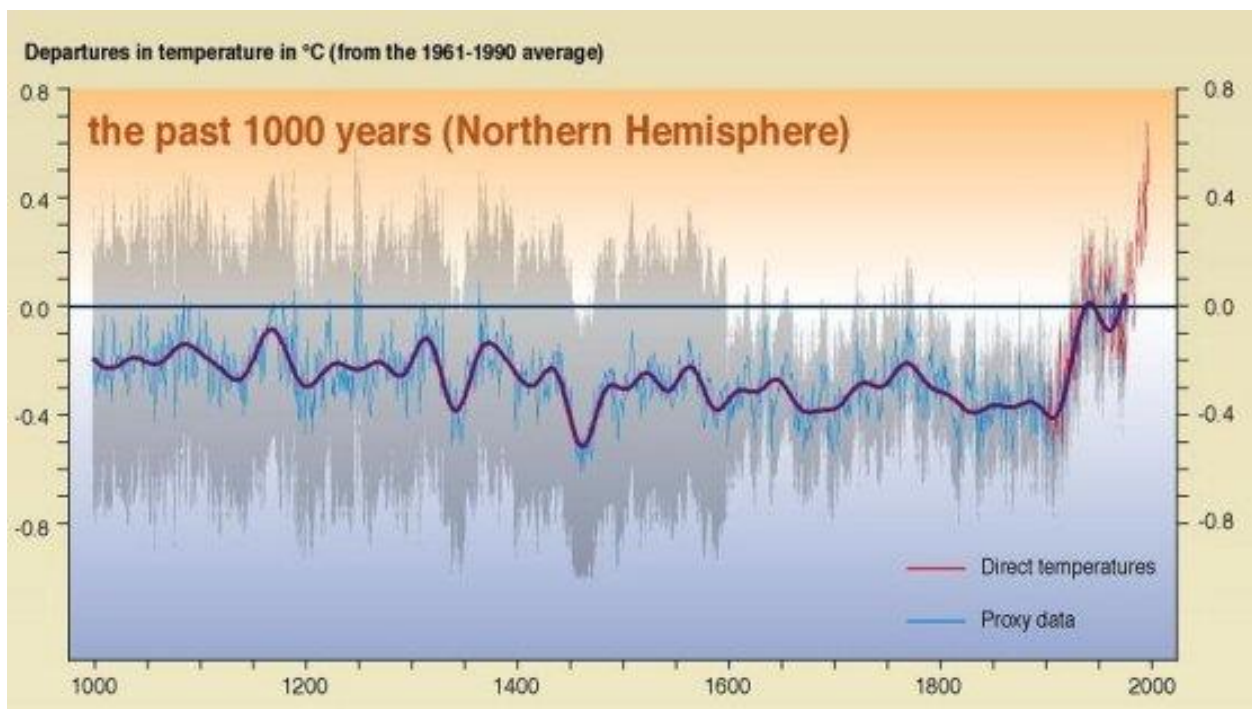
[www.ipcc.ch/ipccreports/far/wg1/ipcc\\_far\\_wg1\\_full\\_report.pdf](http://www.ipcc.ch/ipccreports/far/wg1/ipcc_far_wg1_full_report.pdf)

THE IPCC's 1990 report dives deeper into the reality of the Medieval Warm Period and provides an insight into the cause of these warming periods:

*"This period of widespread warmth is notable in that there is no evidence that it was accompanied by an increase of greenhouse gases."*

**IPCC WG1 Report 1990 (p202)**

BY the 2001 IPCC report, the Medieval Warm period disappeared and became much cooler than the late 20th century:



BY pure coincidence, in the year 1995 the IPCC made a decision to make the Medieval Warm Period disappear:



**U.S. Senate Committee on Environment & Public Works  
Hearing Statements**

**Date: 12/06/2006**

**Statement of Dr. David Deming**  
University of Oklahoma  
College of Earth and Energy  
Climate Change and the Media

Mr. Chairman, members of the Committee, and distinguished guests, thank you for inviting me to testify today. I am a geologist and geophysicist. I have a bachelor's degree in geology from Indiana University, and a Ph.D in geophysics from the University of Utah. My field of specialization in geophysics is temperature and heat flow. In recent years, I have turned my studies to the history and philosophy of science. In 1995, I published a short paper in the academic journal *Science*. In that study, I reviewed how borehole temperature data recorded a warming of about one degree Celsius in North America over the last 100 to 150 years. The week the article appeared, I was contacted by a reporter for National Public Radio. He offered to interview me, but only if I would state that the warming was due to human activity. When I refused to do so, he hung up on me.

I had another interesting experience around the time my paper in *Science* was published. I received an astonishing email from a major researcher in the area of climate change. He said, "We have to get rid of the Medieval Warm Period."

The Medieval Warm Period (MWP) was a time of unusually warm weather that began around 1000 AD and persisted until a cold period known as the "Little Ice Age" took hold in the 14th century. Warmer climate brought a remarkable flowering of prosperity, knowledge, and art to Europe during the High Middle Ages.

The existence of the MWP had been recognized in the scientific literature for decades. But now it was a major embarrassment to those maintaining that the 20th century warming was truly anomalous. It had to be "gotten rid of."

YOUTUBE clip of Dr David Deming's US Senate testimony on the "disappearance" of the Medieval Warm Period (see 01m:50s) :

*Video of Dr David Deming's statement to the U.S. Senate Committee on Environment & Public Works on December 6, 2006. Dr Deming reveals that in 1995 a leading scientist emailed him saying "We have to get rid of the Medieval Warm Period". A few years later, Michael Mann and the IPCC did just that by publishing the now thoroughly discredited hockey stick graph.*

IN case you missed it...

*“I had another interesting experience around the time my paper in Science was published. I received an astonishing email from a major researcher in the area of climate change. He said, “We have to get rid of the Medieval Warm Period.””*  
*The existence of the MWP had been recognized in the scientific literature for decades. But now it was a major embarrassment to those maintaining that the 20th century warming was truly anomalous. It had to be “gotten rid of.””*

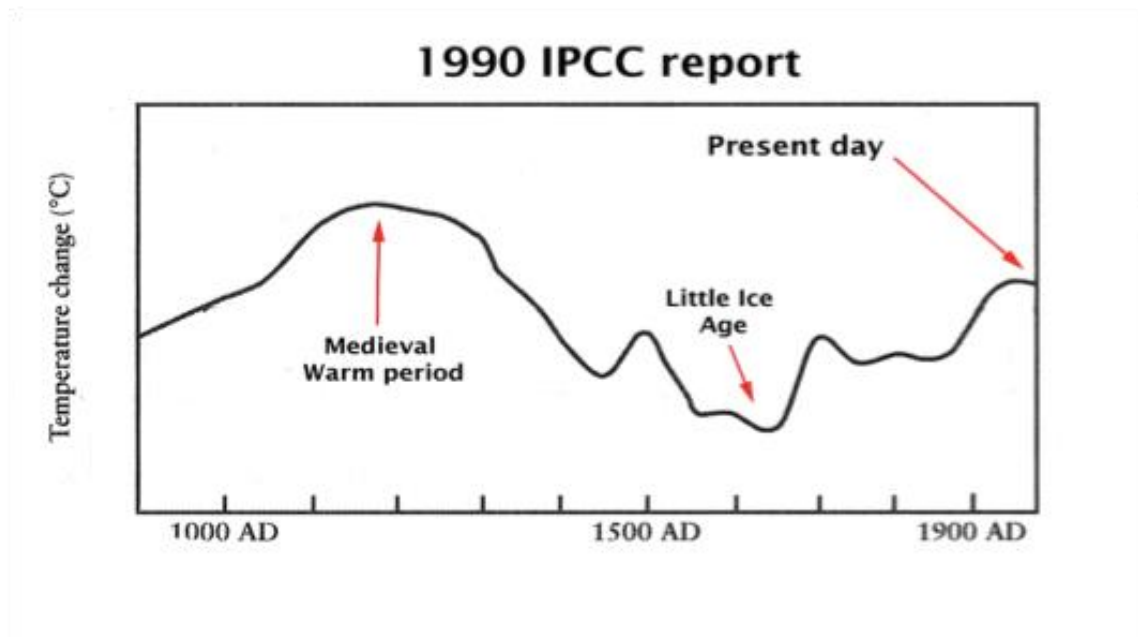
Statement of Dr. David Deming | U.S. Senate Committee

\*

ACCORDING to ‘science’, the **Medieval Warm Period** was indeed ‘global’ and was as warm, if not warmer, than today’s current warming period...

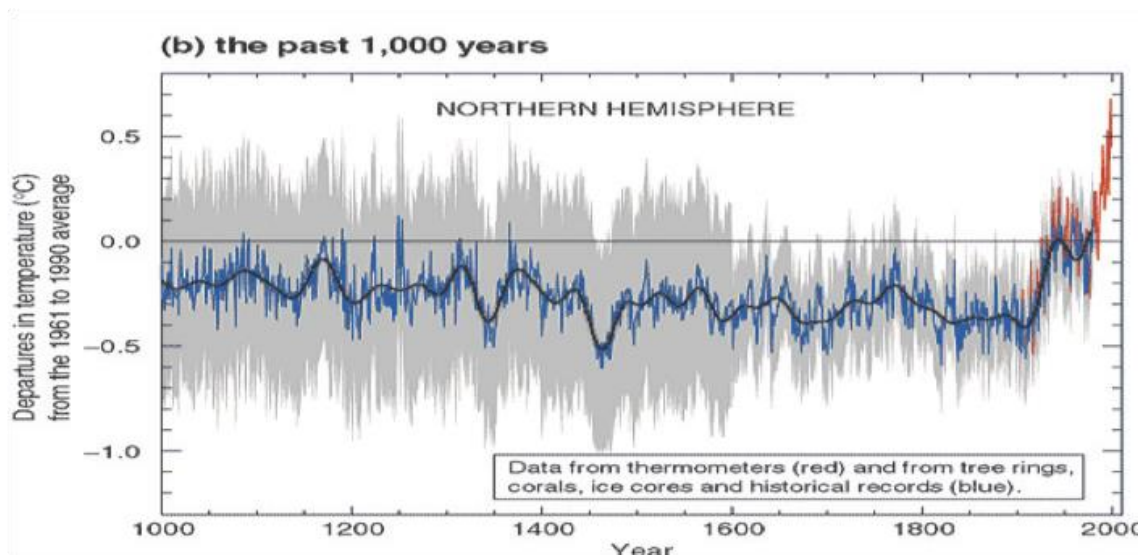
## **THE HOCKEY STICK GRAPH OF MICHAEL MANN**

- (i) The Hockey Stick Graph
- This probably represents the worst corruption of science in the history of climate alarm. In its 1990 report, the IPCC showed the following graph of global temperatures over the last thousand years.



- This was unexceptional. It showed the established science of the time. It was backed up by a huge amount of data and historical record. It showed the Mediaeval Warm Period, warmer than now, and the Little Ice Age, colder than now, and both entirely natural. But of course this did not suit the purposes of the climate alarm establishment. In its 2001 report, this new graph appeared.

- 



- The graph made an immediate sensation. It featured six times in the IPCC's 2001 report. It was brandished around the world as proof positive of dangerous manmade global warming.
  - In Canada it was distributed to every school. It showed that the Mediaeval Warm Period and the Little Ice Age had not existed. It was exactly what every alarmist wanted to see.
  - It was complete nonsense. It is called the "Hockey Stick" graph because the first flat part resembles the handle of an ice hockey stick, the sudden upturn the blade.
  - The graph was based on two papers in Nature magazine (MBH98 and MBH99). It made the authors famous, especially the lead author, Michael Mann, and greatly advanced their careers in climate alarm.
  - For a long time nobody questioned it or the data it was drawn from. Then a Canadian statistical expert, Steve McIntyre, asked to see the data. Eventually, reluctantly, it was ceded to him. He quickly showed that such data could not yield a Hockey Stick. The graph was pure quackery. The authors had used illegitimate statistical means, especially short-centring the data series for principal component analysis (a statistical method for identifying trends in a mass of data). Such a false method would yield a hockey stick out of red random noise.
  - They had used a series of tree-ring data (Graybill-Idso) that was known to be wrong – and which they presumably knew to be wrong because they put it in a file marked "censored". They relied on highly unreliable trees whose rings were known not to give a good measure of temperatures. And so on.
  - The closest equivalent to this misinterpretation was Piltdown Man, but in that case the author was almost certainly a prankster whereas in this case the authors were distorting science for seemingly political ends. (In 1908 in Piltdown (England), a strange hominid skull was discovered that shook the scientific community. For decades it made scientists revise their theories of human evolution.

It turned out to be a complete hoax, with a man's skull and an ape's jaw superimposed. The hoaxer was never discovered.)

- We have been warned that we must not use the word “fraud” in relation to the Hockey Stick. This is because the climate establishment and, in particular, Michael Mann are powerful and may not hesitate to turn to litigation to silence critics.
- Please read the excellent paper on this by Professor Ross McKittrick entitled: “What is the Hockey Stick Debate About?”  
The
- Hockey Stick is certainly consistent with fraud, but we probably have to accept that its authors might have been entirely innocent in making one mistake after another.

**Climate change science and the climate change scare No 7 November 17/2015 issue # 24**

# **The `Hockey Stick': A New Low in Climate Science**

by **John L. Daly**

<https://www.john-daly.com/hockey/hockey.htm>

The most striking feature of the above 400-year record of solar variability is the **Maunder Minimum**, a 70-year period on the sun in which there were practically no sunspots at all. It's as if the sun had `stopped breathing'. But even before 1640 when the Maunder Minimum started, the cycle was clearly fragmented and irregular in contrast with

the solid rhythmic cycles of subsequent years after 1710. When we compare this extraordinary solar event with the climate record from Fig.1, we can see the Maunder Minimum occurred at exactly the same time as the lowest point of the Little Ice Age.

The inference is clear. The variable sun caused the Little Ice Age and in all probability caused the Medieval Warm Period too. Carbon 14 isotopes are used as a proxy for solar activity prior to 1600 AD and this indicates a high level of solar activity during the medieval period, resulting in climatic warmth, and also a reduced level of activity during a cold period called the 'Spörer Minimum' centered around 1350 AD.

This account of climatic history contains two serious difficulties for the present global warming theory.

**1) If the Medieval Warm Period was warmer than today, with no greenhouse gas contribution, what would be so unusual about modern times being warm also?**

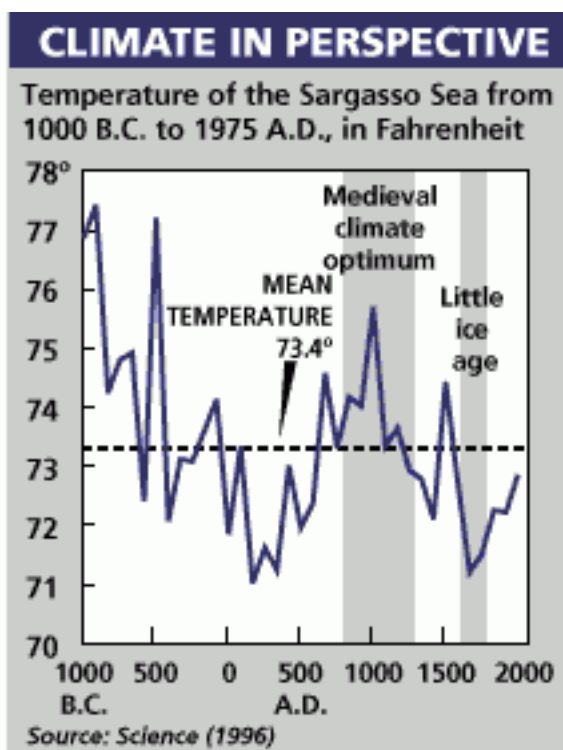
**2) If the variable sun caused both the Medieval Warm Period and the Little Ice Age, would not the stronger solar activity of the 20th century account for most, if not all, of the claimed 20th century warmth?**

Both propositions posed a serious threat to continued public acceptance of the climate modeller's catastrophic view of future climate. This is because new findings in solar science suggested that the sun, not greenhouse gases, were the primary driver of 20th century climate trends.

The power of the sun to modulate our climate has been reinforced by a large body of recent research that shows it is not only the cyclic warming and cooling of the sun (**manifested by the 11-year sunspot cycle**) causing our climate to change, but also changes in the solar spectrum towards greater ultra-violet radiation compared with visible or infra-red light (**see Fig.3**) [14] [8].



To disprove the 'Hockey Stick', it is sufficient to merely demonstrate conclusively the existence of the Medieval Warm Period and/or the Little Ice Age in proxy and/or historical evidence from around the world. According to the 'falsifiability' principle of science, substantial physical evidence that contradicts a theory is sufficient to 'falsify' that theory. To that end, 'exhibits' of physical evidence are presented below to prove that not only is the 'Hockey Stick' false, but that the Medieval Warm Period and Little Ice Age were not only very real - but also global in extent.



## Exhibit 1 - The Sargasso Sea

In the Sargasso Sea (an area popularly known as the 'Bermuda Triangle'), radiocarbon dating of marine organisms in sea bed

sediments by L. Keigwin [12] demonstrates that sea surface temperatures were around 2°F cooler than today around 400 years ago (the Little Ice Age), and around 2°F warmer than today 1,000 years ago (the Medieval Warm Period). In addition, the data also demonstrates that the period before 500 BC (the so-called Holocene Climatic Optimum) saw temperatures up to 4°F warmer - and without any greenhouse gas component to cause

(See Fig.6 below)

*Fig.6 - 3,000 years of climate in the Sargasso Sea [x]* That takes both key events well outside the European/Greenland region.

### **Exhibit 2 - Caribbean Sea**

Measurements of oxygen isotopes in coral skeletons from Puerto Rico by Winter et al [32], compared modern isotope ratios with those of the distant past. Calibration of the coral isotopes to provide a sea surface temperature proxy was based on modern sea surface temperature records around Puerto Rico for the period 1983-1989. This provided the baseline for the researchers to test the coral for temperatures during known cold phases of the Little Ice Age, 1700-1710, 1780-1785, and 1810-1815. They found that during the Little Ice Age, sea surface temperature in the Caribbean was 2 - 3°C cooler than it is today, a truly massive reduction in temperature which could by no stretch of the imagination be local

## **• The Science that Lost its Way**

It is now clear that the climate history of the northern hemisphere and the globe as a whole bears no similarity whatever to that portrayed by Mann's 'Hockey Stick'.

It is inconceivable that two major climatic events of the last millennium, the Medieval Warm Period and Little Ice Age, could be observed at the same points in time in such varied locations and with such a variety of proxies, around the world and yet be missed by Mann's study. One possible explanation for this discrepancy is that tree rings are inappropriate as temperature proxies, something most dendrochronologists are reluctant to acknowledge.

The question must then be asked, why do people who claim scientific credentials in the field cling so tenaciously to a characterization of past climate that is so patently false? Why was there so little challenge to the Mann theory among his peers? Why is there collective denial about the role of the sun when published and peer-reviewed evidence from solar scientists demonstrates a clear relationship between solar change and climate change?

## **Conclusion**

The evidence from the 'exhibits' is overwhelming. From all corners of the world, the Medieval Warm Period and Little Ice Age clearly shows up in a variety of proxy indicators, proxies more representative of temperature than the inadequate tree rings used by Michael Mann. What is disquieting about the 'Hockey Stick' is not Mann's presentation of it originally. As with any paper, it would sink into oblivion if found to be flawed in any way. Rather it was the reaction of the greenhouse industry to it - the chorus of

approval, the complete lack of critical evaluation of the theory, the blind acceptance of evidence which was so flimsy.

The industry embraced the theory for one reason and one reason only - it told them exactly what they **wanted** to hear.

Proponents of the 'Hockey Stick' should recall George Orwell's 'Nineteen Eighty-Four', a black SF drama in which his fictional totalitarian regime used 'memory holes' to re-invent past history [22]. In this age of instant communication, there is no 'memory hole' big enough to overturn the historical truth about the Medieval Warm Period and Little Ice Age.

## ***CLIMATE CHANGE DATA FRAUD : Death By Gif(s)***

*“HE who controls the past controls the future. He who controls the present controls the past.” – George Orwell*

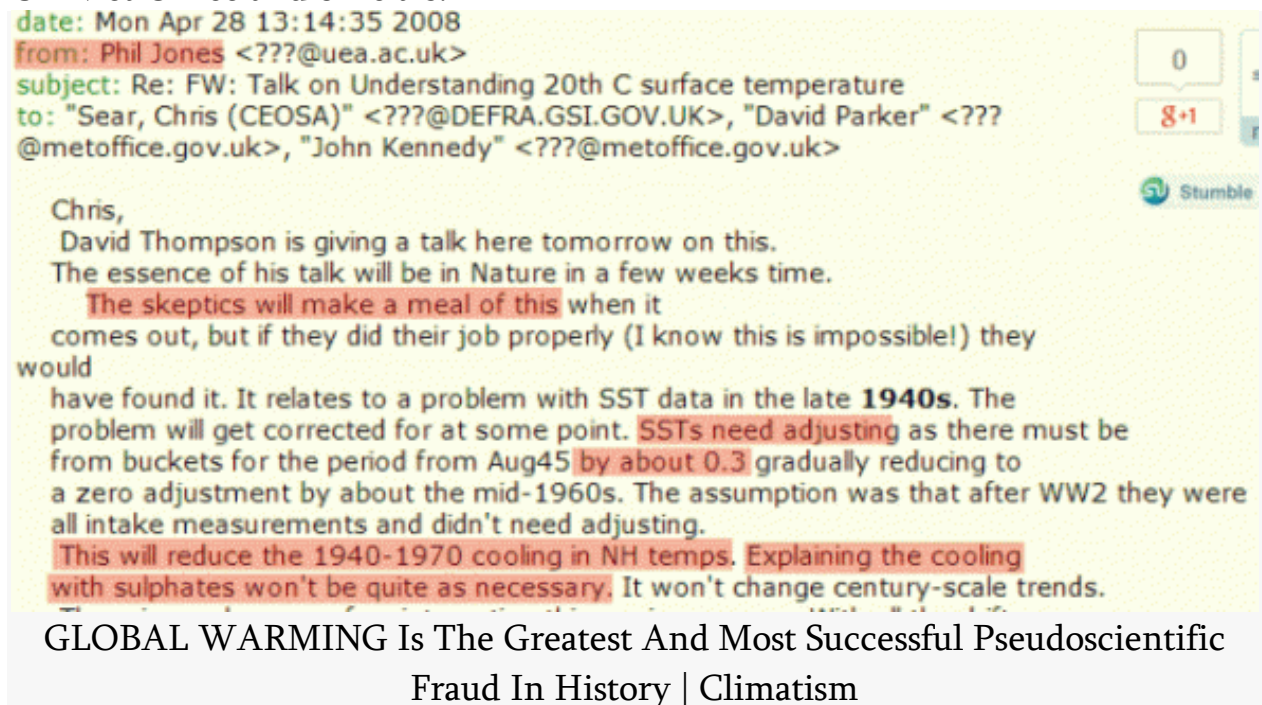


\*

NOW it's time to see how NASA GISS (Gavin Schmidt) and NOAA (Tom Karl) have created the 'hockey-stick' temperature rise over recent years in order to drive the Mann-made global warming agenda.

MIND-blowing adjustments to raw data that without exception – **cool the past and warm the present** – despite UHI (Urban Heat Island effect) undoubtedly compromising the latter parts of the modern temp record.

AND, if you think that the tampering of the earth's temperature record, by **cooling the past and warming the present** to fit the **man-made global warming** narrative is another *climate "denier" conspiracy theory* then read this **Climategate** email from the UK's leading climate expert, **Phil Jones**, to the UK Met Office and officials:



date: Mon Apr 28 13:14:35 2008  
from: Phil Jones <???@uea.ac.uk>  
subject: Re: FW: Talk on Understanding 20th C surface temperature  
to: "Sear, Chris (CEOSA)" <???@DEFRA.GSI.GOV.UK>, "David Parker" <???@metoffice.gov.uk>, "John Kennedy" <???@metoffice.gov.uk>

Chris,  
David Thompson is giving a talk here tomorrow on this.  
The essence of his talk will be in Nature in a few weeks time.  
**The skeptics will make a meal of this** when it comes out, but if they did their job properly (I know this is impossible!) they would have found it. It relates to a problem with SST data in the late **1940s**. The problem will get corrected for at some point. **SSTs need adjusting** as there must be from buckets for the period from Aug45 **by about 0.3** gradually reducing to a zero adjustment by about the mid-1960s. The assumption was that after WW2 they were all intake measurements and didn't need adjusting.  
**This will reduce the 1940-1970 cooling in NH temps. Explaining the cooling with sulphates won't be quite as necessary.** It won't change century-scale trends.

GLOBAL WARMING Is The Greatest And Most Successful Pseudoscientific Fraud In History | Climatism

THE problem of the 1940's warming "blip" :

From: Tom Wigley <wigley@ucar.edu>  
To: Phil Jones <p.jones@uea.ac.uk>  
Subject: 1940s  
Date: Sun, 27 Sep 2009 23:25:38 -0600  
Cc: Ben Santer <santer1@llnl.gov>

<x-flowed>  
Phil,

Here are some speculations on correcting SSTs to partly explain the 1940s warming blip.

If you look at the attached plot you will see that the land also shows the 1940s blip (as I'm sure you know).

So, if we could reduce the ocean blip by, say, 0.15 degC, then this would be significant for the global mean -- but we'd still have to explain the land blip.

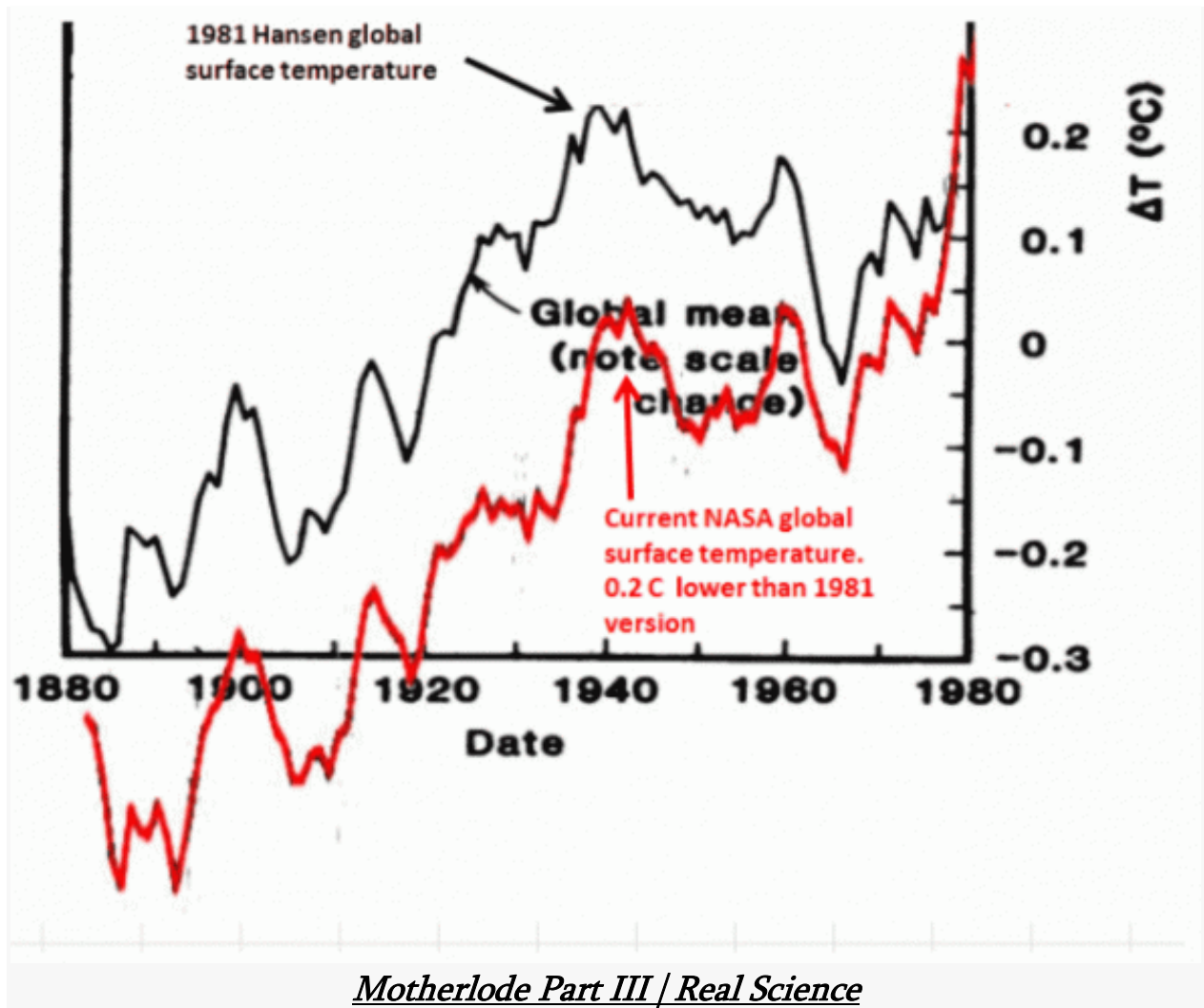
I've chosen 0.15 here deliberately. This still leaves an ocean blip, and i think one needs to have some form of ocean blip to explain the land blip (via either some common forcing, or ocean forcing land, or vice versa, or all of these). When you look at other blips, the land blips are 1.5 to 2 times (roughly) the ocean blips -- higher sensitivity plus thermal inertia effects. My 0.15 adjustment leaves things consistent with this, so you can see where I am coming from.

Removing ENSO does not affect this.

It would be good to remove at least part of the 1940s blip, but we are still left with "why the blip".

THEY did exactly what Wigley was suggesting, removing more than 0.15 C from 1940's global temperatures. This tampering is what made the hockey stick possible.

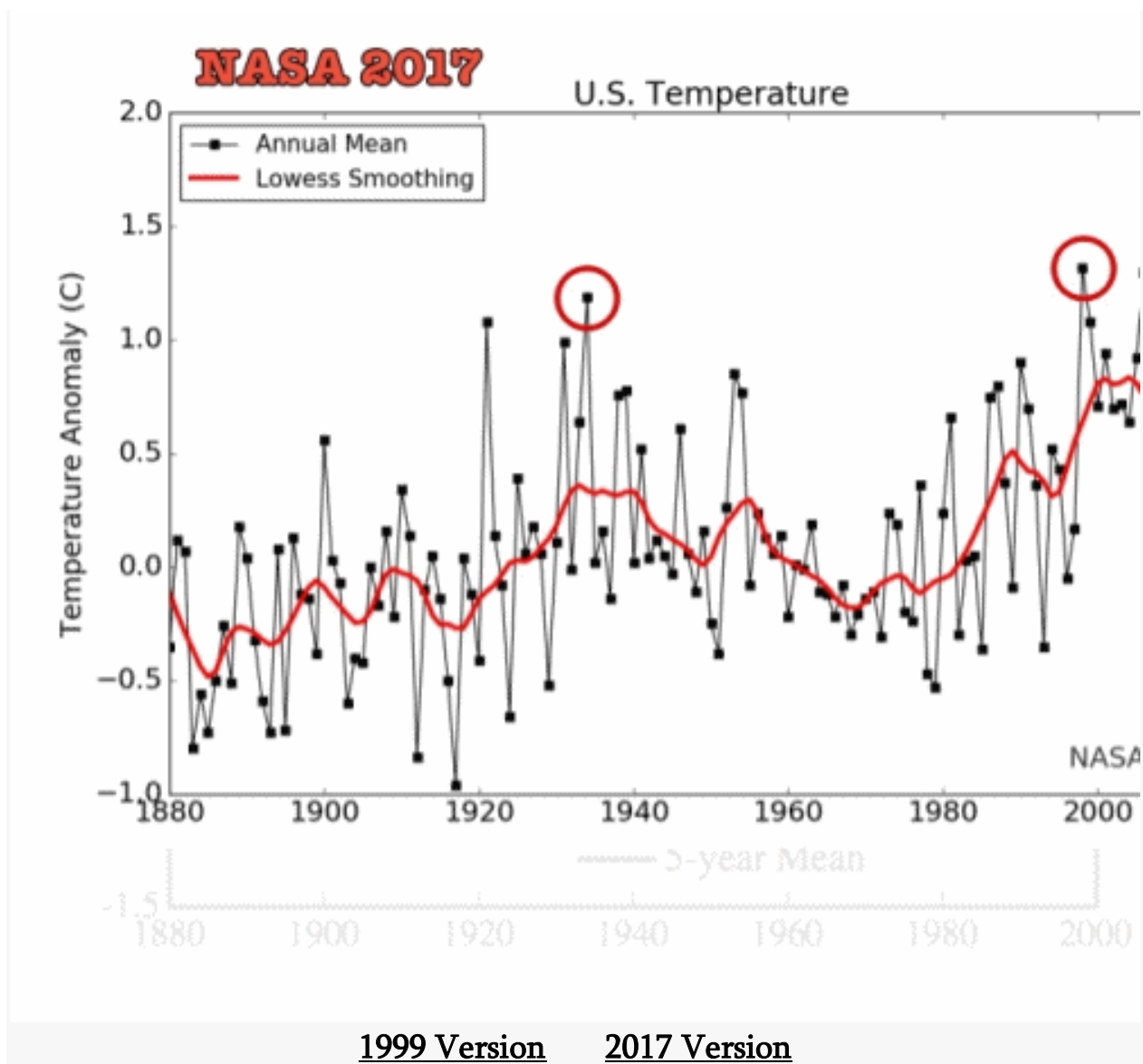
*If the present refuses to get warmer, then the past must become cooler ...*



\*

### ***U.S. TEMPERATURE RECORD***

THE lack of US warming wrecks global warming theory, so NOAA and NASA reduced the “1940’s Blip” in the US record to create fake warming:



NOAA knows perfectly well that the US is not warming:



## U.S. Data Since 1895 Fail To Show Warming Trend

By PHILIP SHABECOFF, Special to the New York Times  
Published: January 26, 1989

Correction Appended


**WASHINGTON, Jan. 25—** After examining climate data extending back nearly 100 years, a team of Government scientists has concluded that there has been no significant change in average temperatures or rainfall in the United States over that entire period.

While the nation's weather in individual years or even for periods of years has been hotter or cooler and drier or wetter than in other periods, the new study shows that over the last century there has been no trend in one direction or another.

The study, made by scientists for the National Oceanic and Atmospheric Administration was published in the current issue of Geophysical Research Letters. It is based on temperature and precipitation readings taken at weather stations around the country from 1895 to 1987.

 FACEBOOK

 TWITTER

 GOOGLE+

 EMAIL

 SHARE

 PRINT

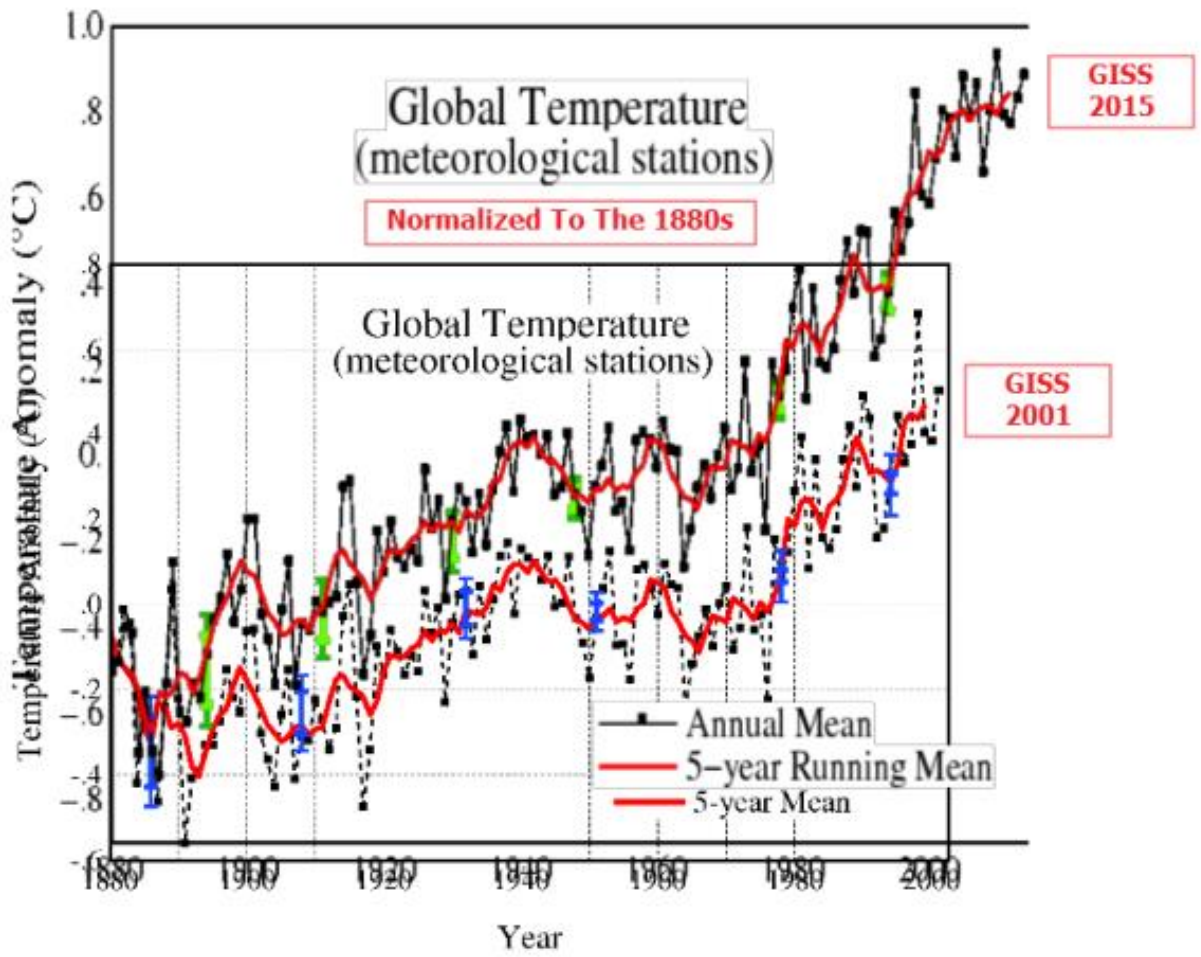
 REPRINTS

[U.S. Data Since 1895 Fail To Show Warming Trend – NYTimes.com](#)

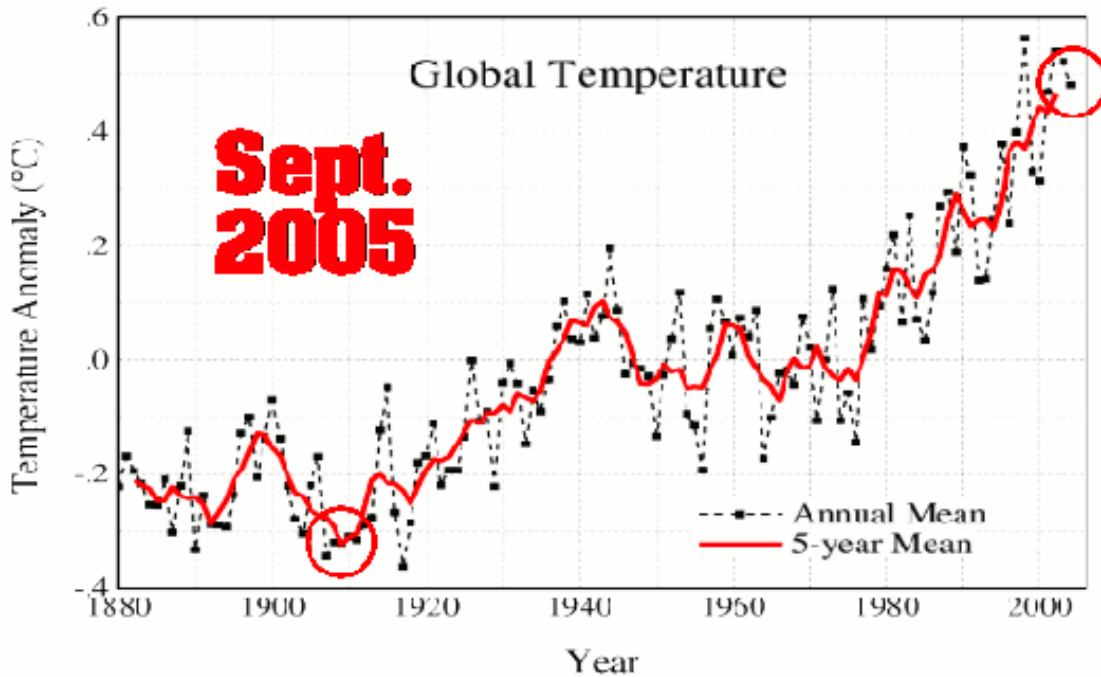
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### ***GLOBAL TEMPERATURE RECORD***

NASA has doubled global warming since 2001:



NASA Global Temperature 'Adjustments'



NASA Global Land-Ocean Temperature 'Adjustments'

\*

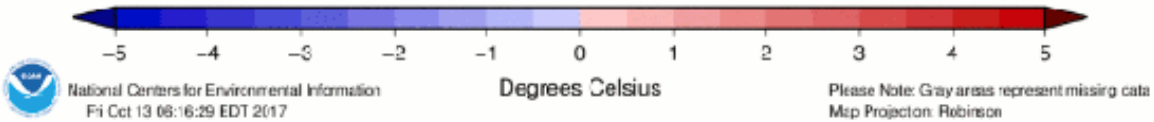
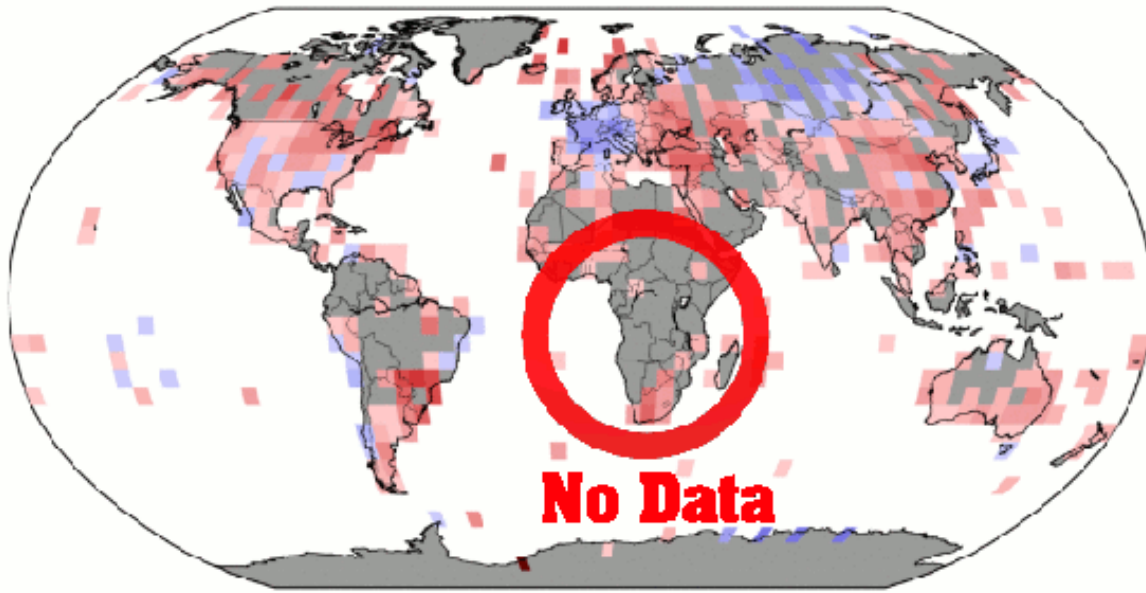
***“HOTTEST YEAR EVAHH”***

NASA make up record temperatures in countries where they have no thermometer data. NOAA’s current data in Africa and much of the rest of the world is fake.

THIS enables them to make the fake “Hottest Year Ever” announcements. Memes that have more to do with PR and marketing than actual science:

Land-Only Temperature Departure from Average Sep 2017  
(with respect to a 1981-2010 base period)

Data Source: GHCNM v3.3.0



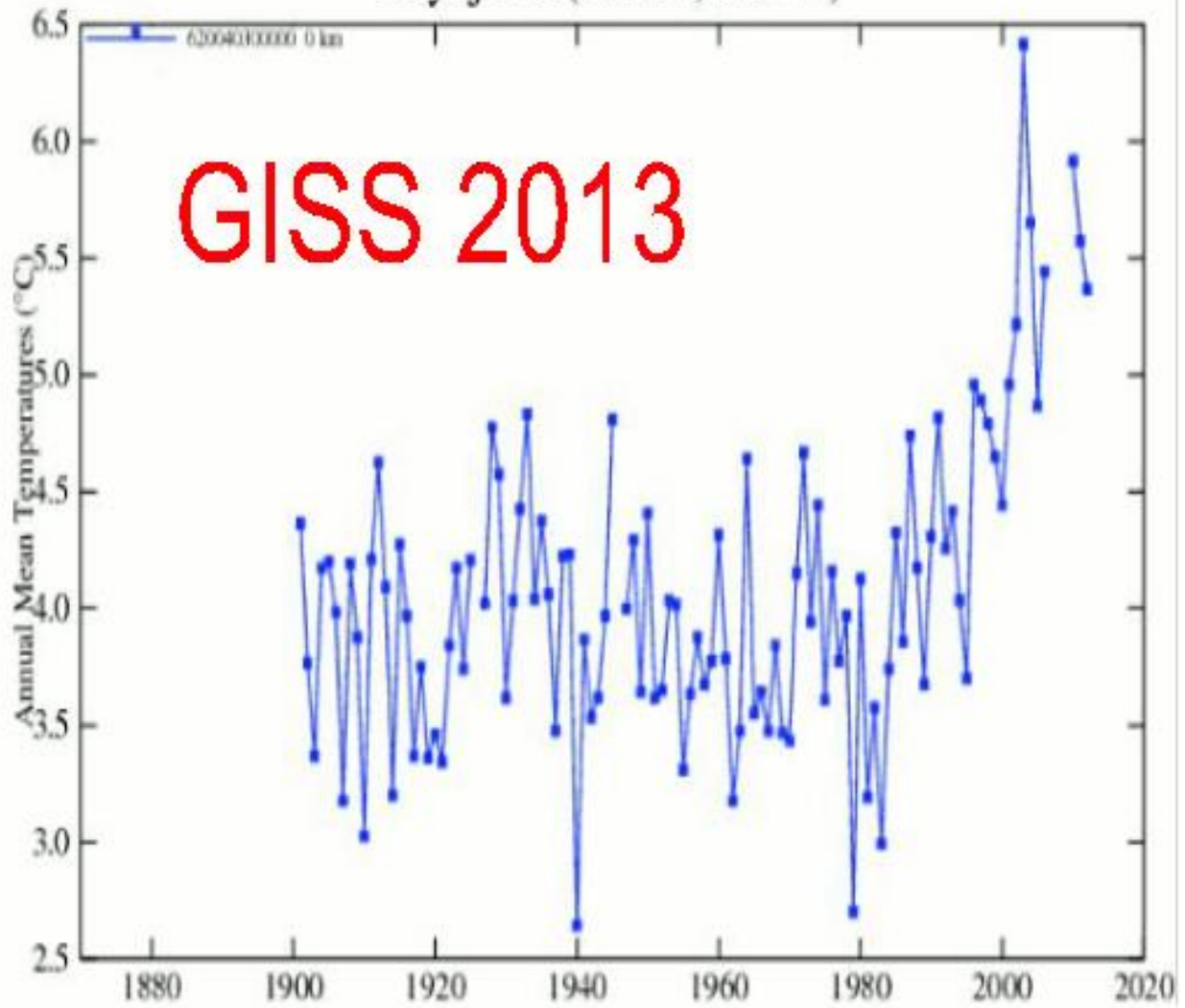
Real temperatures   Reported temperatures

\*

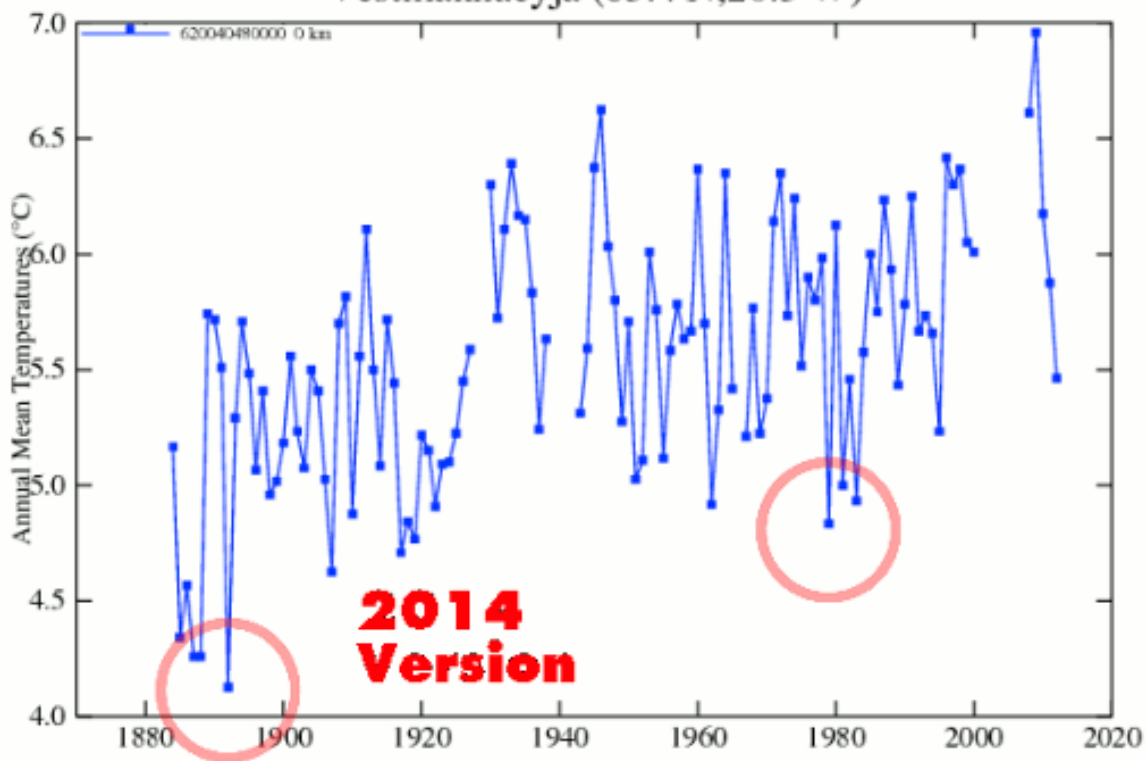
***ERASING “THE BLIP” – VARIOUS LOCATIONS***

Changes to GISS Iceland temperatures between V2 and V3

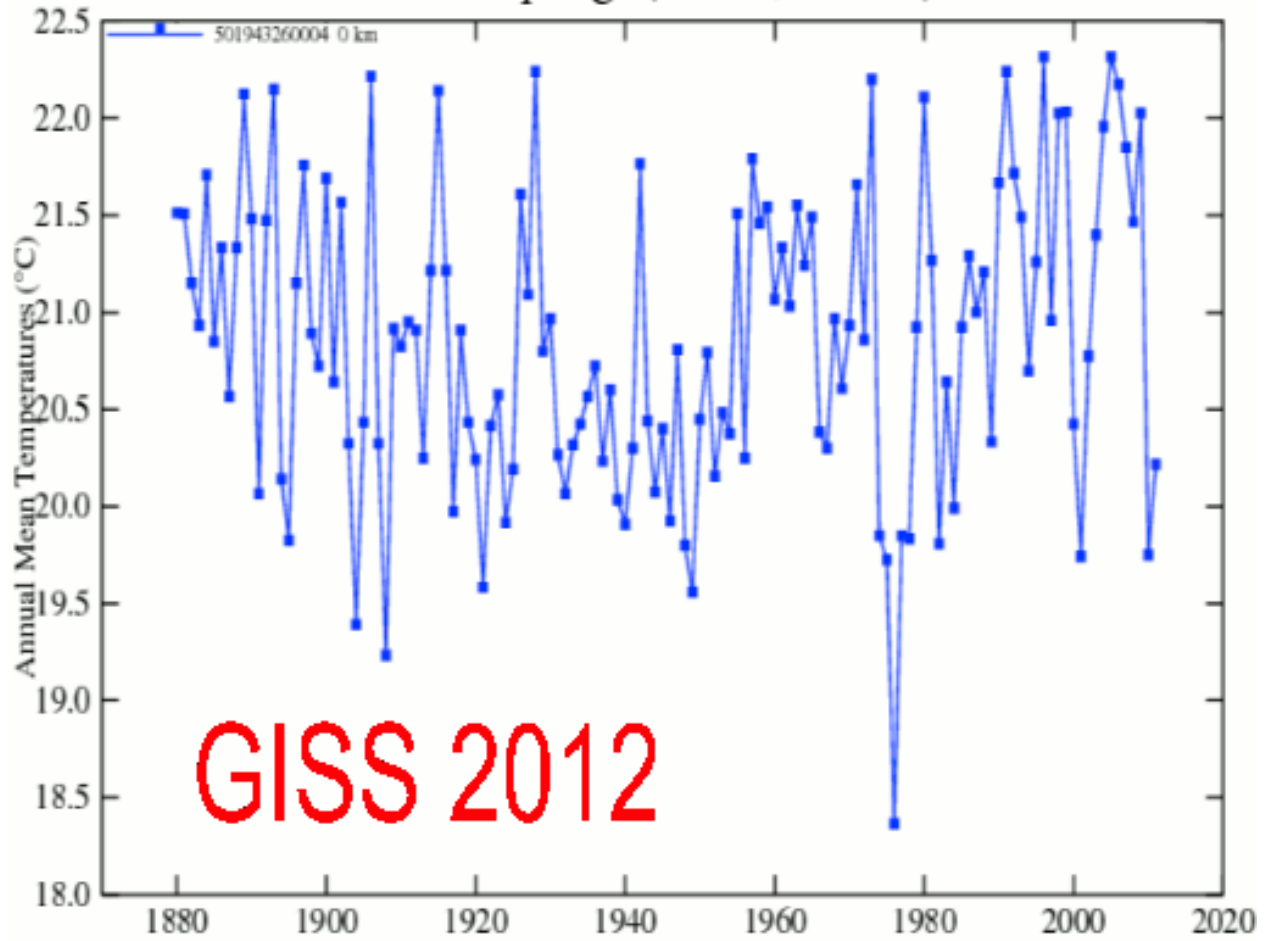
Reykjavik (64.1 N,21.9 W)



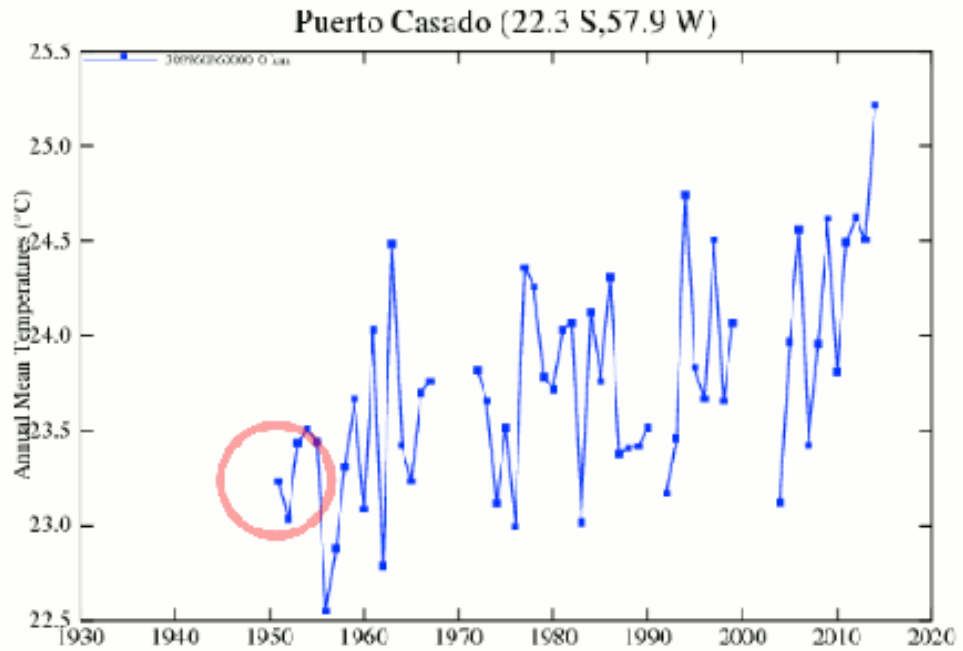
### Vestmannaeyja (63.4 N,20.3 W)



### Alice Springs (23.8 S,133.9 E)

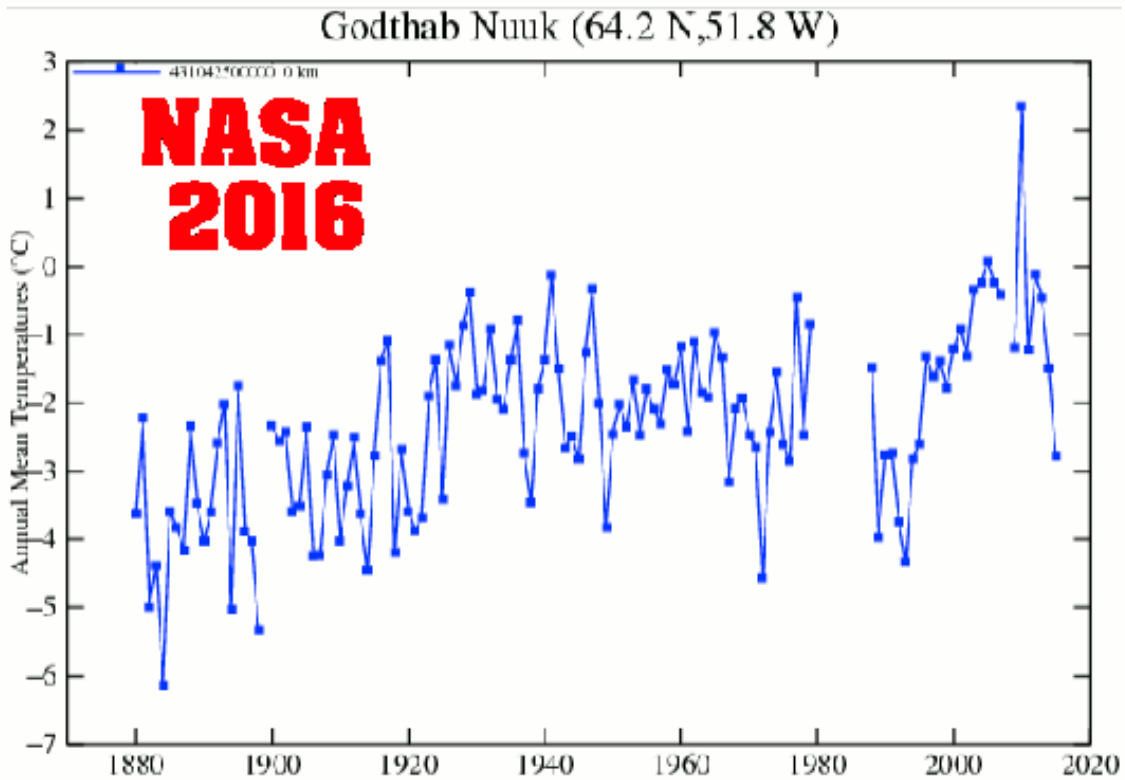


# 2014 Version



NASA didn't like the 1940's warmth in Greenland, so they simply made it disappear:



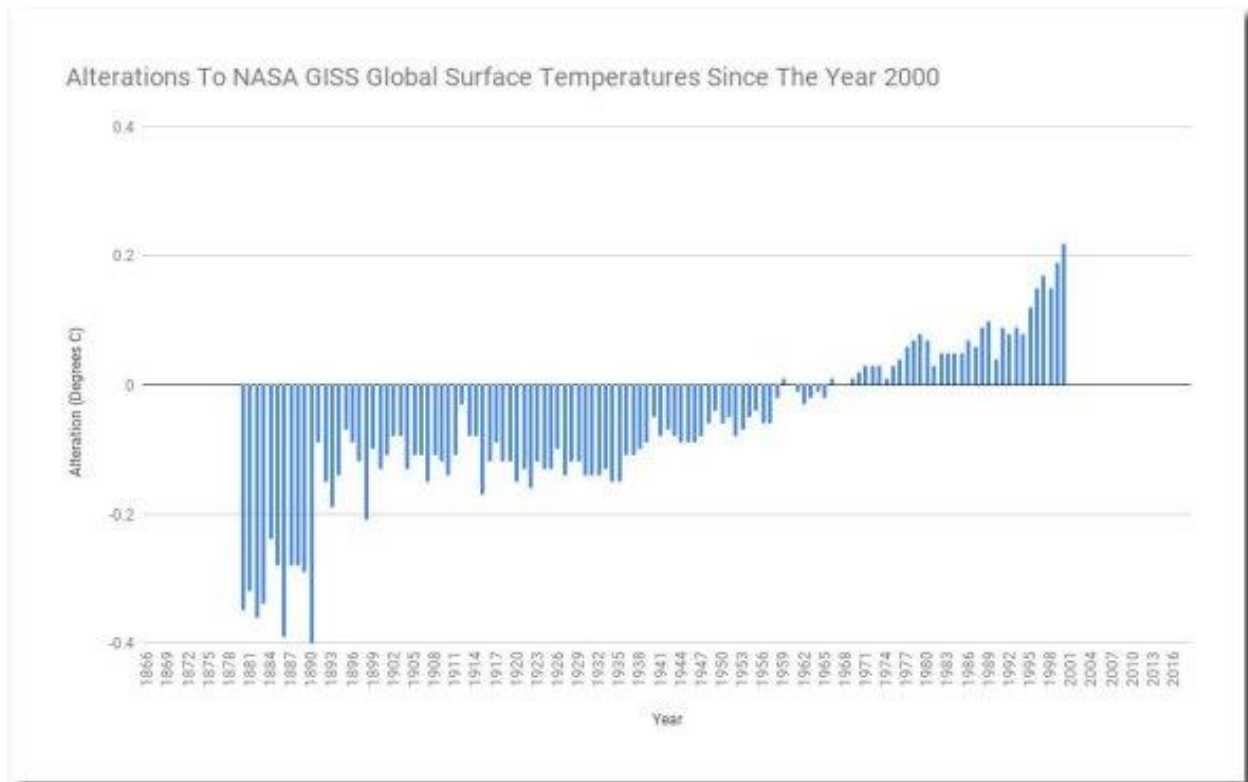


((SEE more extreme examples of NASA / NOAA temperature data fraud at Tony Heller's superb resource: *The Deplorable Climate Science Blog / "Science is the belief in the ignorance of the experts" – Richard Feynman*))  
 (Charts via *Tony Heller "Real Climate Science"*)

\*

### **UPDATE**

THE NASA global temperature record has been massively altered over the last 20 years to cool the past and warm the present:



**Steve Goddard on Twitter:** “The @NASA global temperature record has been massively altered over the last 20 years to cool the past and warm the present....”

\*

***NASA GISS : THE DATA SET OF CHOICE FOR THE CLIMATE THEORY OBSESSED MAINSTREAM MEDIA & POLITICAL ELITE!***

IT’s not difficult to see why the NASA GISS data set is the preferred go-to for global warming activists, mainstream media, the UN IPCC and virtue-peddling politicians seeking to destroy cheap, efficient energy supply – namely coal-fired power – through the implementation of draconian climate change policy, and proposals like the U.S. Democrats’ “*New Green Deal*”, that if implemented will annihilate both the U.S. and the global economy and result in **total control of every aspect of your life, lifestyle and any freedoms you currently enjoy.**

NASA GISS’ Gavin Schmidt wants to use his junk science to control public policy, and says questions from policy makers are “tiresome” :



**Shocking Twitter Display Of Contempt And Hubris By Stefan Rahmstorf, NASA's Gavin Schmidt**

\*

PRESIDENT EISENHOWER WARNED US OF THE *“danger that public policy could itself become the captive of a scientific-technological elite.”*

“The prospect of domination of the nation’s scholars by Federal employment, project allocations, and the power of money is ever present — and is gravely to be regarded.

Yet, in holding scientific research and discovery in respect, as we should, we must also be alert to the equal and opposite **danger that public policy could itself become the captive of a scientific-technological elite.”**

President Eisenhower January 17, 1961

\*

**CONCLUSION**

FOR so long, climate ‘sceptics’ have been labeled climate/science “deniers”, in crude reference to those who deny the holocaust, with the pejorative used in a broader effort to shut down debate and silence dissent. However, when hard evidence is laid out over alarmist rhetoric, it’s not hard to see who in fact are the real deniers of history and indeed, deniers of science.

EVEN when hard data, “the science” and empirical evidence completely contradict alarmist predictions and forecasts peddled by the mainstream media and grant-driven ‘scientists’, alarmists continue to double-down on their fear-mongering instead of evaluating their theory, adhering to the “scientific method” and admitting that they might just have got it all wrong.

\*

GLOBAL WARMING dogma has ruinously snowballed into a **\$TRILLION dollar religion** to be defended at all costs by alarmist ‘scientists’, **UNreliables** rent-seekers and the climate theory-obsessed mainstream media in order to protect egos, jobs, reputations and access to unlimited “Save The Planet” taxpayer trillions, completely immune to oversight.

THIS is not ‘science’, it is zealotry run amok.

IT’S time to count the **shocking price** we’ve paid for listening to global warming scaremongers like **Tim Flannery** and NASA fraudster **Gavin Schmidt**. SEE now what their panic-making has inspired – global warming schemes that have **hurt us infinitely more than any slight global warming could ever do**. IT has been estimated that globally, **warmists burn collectively more than a \$BILLION dollars a day**. But, what are we trying to stop, anyway? Recent scientific papers confirm there’s been **much less warming over the past two decades than predicted** ...

Ready for more? Get unlimited access by subscribing for less than £1 a week.

# Climate change predictions — what went wrong?

Climate scientists have admitted their estimates of global warming were wrong. So can we all chill out now? Not quite

Nigel Hawkes

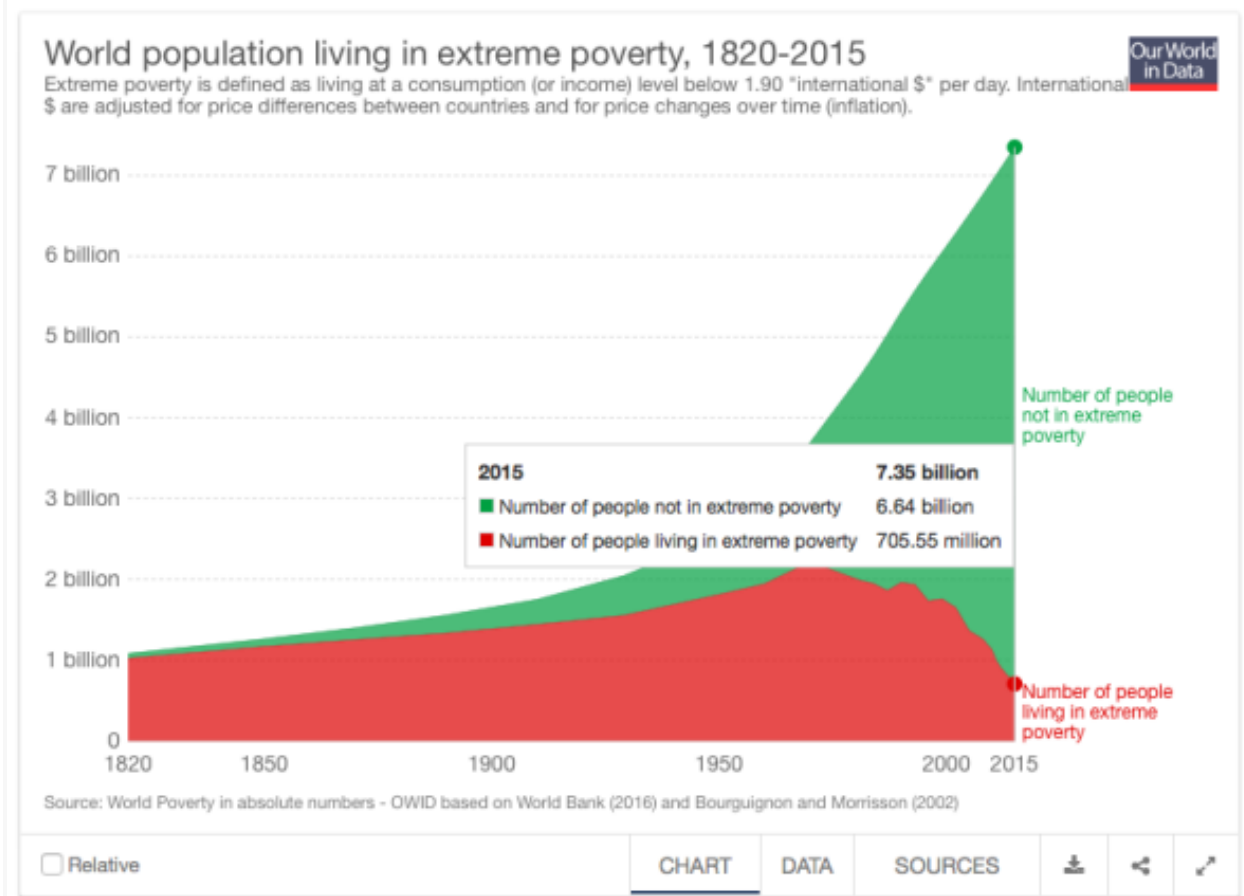
September 24 2017, 12:00am,  
The Sunday Times



AS egg-on-face moments go, it was a double-yolker. Last week a group of climate scientists published a paper that admitted the estimates of global warming used for years to torture the world's conscience and justify massive spending on non-carbon energy sources were, er, wrong. | THE TIMES

\*

TIME to stop the rot for the sake of “science” and Western civilisation that has given us so much to be thankful for, like the dramatic drop in global poverty. Primarily due to the deployment of cheap, reliable and abundant hydrocarbon fuels. Life-giving and poverty-reducing energy sources that the zero-emissions zealots want to replace with sunshine and breezes, forcing us backwards down the energy ladder to the days of human, animal and solar power.



## DO NOT PASS GO! Seven Years Jail Time For Using Cheap Electricity In Australia | Climatism

\*

JUST as socialist central planning failed miserably before it was replaced by free market economies, green central planning will have to be discarded before Australia and other Western nations, crippled by the mad rush into costly and ruinous UNreliables, will see a return to energy security, competitive pricing and a 'liveable' existence for our most vulnerable.

LIKEWISE, climate data fraud must be called out and crushed with the scientific method restored to allay dangerous and costly climate change fear and alarmism.

...

<https://climatism.blog/2019/01/09/the-catastrophic-anthropogenic-global-warming-scam/>

# Activists hope that fake news about droughts will win

[charles the moderator](#) / [May 21, 2019](#)

[Reposted from Fabius Maximus Blog](#)

[Larry Kummer, Editor](#) [Climate change](#) 19 May 2019

Summary: Activists hope that daily apocalyptic news stories about climate change will mold public opinion, no matter how much they exaggerate the science. For a stunning example, look at the news and facts about droughts.



ID 50990297 © Kiosea39 | Dreamstime.

The propaganda barrage by climate activists has few precedents in modern US history, increasing in intensity and the magnitude of its exaggerations. Any extreme weather, no matter how typical in history, becomes evidence of human influences: heat waves, cold, floods, snow, and – as described in this post – droughts. Activists hope that their flow of alarmist “news” will shape public opinion, just as a riven can carve through mountains.

About the California drought, forever until it ended  
For several years journalists and activists pumped out stories like this. Seldom did they mention the IPCC or any contrary notes by scientists.

[“Thanks El Nino, But California’s drought is probably forever”](#) by Rick Stockton at Wired, May 2016.

[“California Braces for Unending Drought”](#) by Ian Lovett at the *NYT*, May 2016.  
Editorial in the San Francisco Chronicle: [“Drought is the new normal”](#), December 2017.

[The Pacific Institute on the California drought](#): “Responding to the drought is responding to a ‘new normal’ water future with climate change” (2016).

See this example from September 2016 showing how sober research becomes apocalyptic warnings.

- [“Prolonged California aridity linked to climate warming and Pacific sea surface temperature”](#) in *Science Reports*. Conclusions: “it remains uncertain if the Pacific will react in a similar manner in the 21st century, but should it follow apparent past behavior more intense and prolonged aridity in California would result.”
- The UCLA press release is more dramatic: [“Pacific Ocean’s response to greenhouse gases could extend California drought for centuries.”](#)
- A story by KTLA-5 is apocalyptic: [“‘The New Normal’: California’s Severe Drought Could Last Indefinitely, New Study Says.”](#) UCLA Professor Glen MacDonald, the lead author, said “it’s not beyond reason that as we move into the 21st century that this isn’t a drought. This could be what would we consider normal conditions for California: a drier and hotter state,”

The Texas drought, a new normal until it wasn’t

The Texas regional drought produced a similar flood of doomster stories.

[“Texas’ Permanent Drought”](#) by Forrest Wilder at the Texas Observer, July 2011.



“*Texas Climate News* sought out the state’s finest climatologists, oceanographers and public-policy experts. If nothing else, their responses make clear that the Lone Star State is headed for a new normal.” {*Dallas Observer*, 14 October 2013.}

“[Fear in a Handful Of Dust](#)” by [Ted Genoways](#), *The New Republic*: “Climate change is making the Texas panhandle, birthplace of the state’s iconic Longhorn, too hot and dry to raise beef. ...environmental activists and reporters began to ask whether “drought” – a temporary weather pattern – was really the right term for what was happening in the state, or whether “desertification” was more appropriate. ... ‘If climate change is the real deal then the human race as we know it is over’.”

“[Drought is ‘the new normal’](#)” by Lacey Jarrell at the *Herald and News*, September 2015.

“[Texas’ Record Floods Are the New Normal](#)” by TakePart, September 2015.

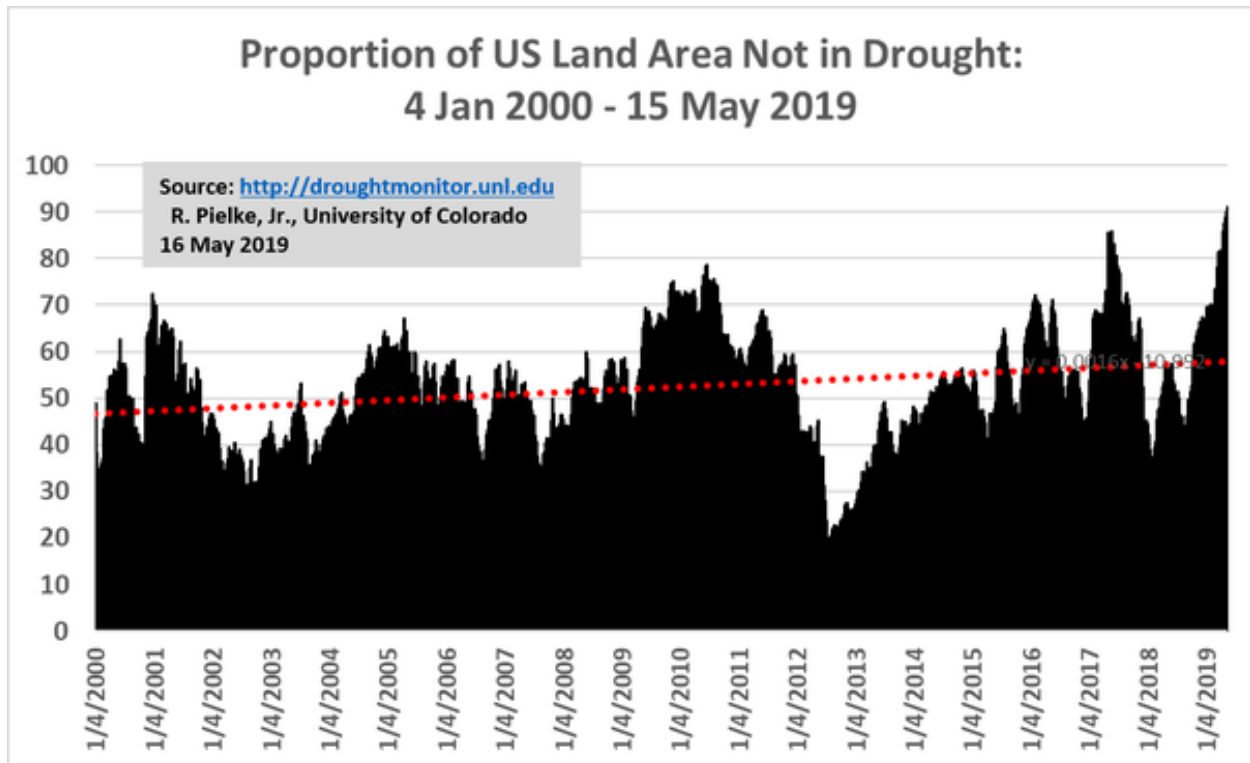
Back to reality: good news about droughts

“*We don’t even plan for the past.*”

— *About our unpreparedness for the inevitable repeat of past weather*, by [Steven Mosher](#) of [Berkeley Earth](#) at [Climate Etc.](#)

Neither of those droughts was unusual for their regional climates. Scientists said so at the time. (See the quotes in the posts listed below.) Such short-term events tell us little or nothing about climate trends (but showed our poor ability to handle normal weather). But clickbait-loving leftist journalists misrepresented the science.

Now the weather has swung to the other extreme, but there are few stories about this good news: the percent of the continental US in drought is at a record low (i.e., going back to January 2000), with a slight trend to less droughts (h/t to [Professor Roger Pielke Jr.](#)). This graph shows the percent *not in drought*. For more information, see the [US Drought Monitor](#).



What do we know about the trend in droughts?

How much do climate scientists know? From the table 1 in the [Summary for Policymakers](#) of the Working Group I of the IPCC’s Fifth Assessment Report, a description of what we know about the trends for various kinds of extreme weather. Here is the row about drought. Unlike the bold certain claims by activists, the IPCC’s scientists have low confidence in assessment about past and future trends.

- “Increases in intensity and/or duration of drought: low confidence on a global scale’
- “Assessment that changes occurred (typically since 1950 unless otherwise indicated): low confidence.
- “Assessment of a human contribution to observed changes: low confidence.
- “Likelihood of further changes in the early 21st century: low confidence.”

You will seldom see this mentioned in articles about climate change, especially since Leftists abandoned the IPCC as “too conservative” (examples [here](#) and [here](#)). That is why they are losing. We cannot successfully cope with climate change – natural and anthropogenic – without a relentless focus on the science. Otherwise climate change will become a tool for those who wish to shape society for other reasons.

For More Information

Two useful government reports about climate change.

- “[Climate Change: Information on Potential Economic Effects Could Help Guide Federal Efforts to Reduce Fiscal Exposure.](#)” by the Government Accountability Office (GAO), September 2017. See [its misleading press coverage](#).
- “[Drought in the United States: Causes and Current Understanding](#)” by the Congressional Research Service, November 2017.

<https://wattsupwiththat.com/2019/05/21/activists-hope-that-fake-news-about-droughts-will-win/>

## 61% Of NOAA USHCN Adjusted Temperature Data Is Now Fake

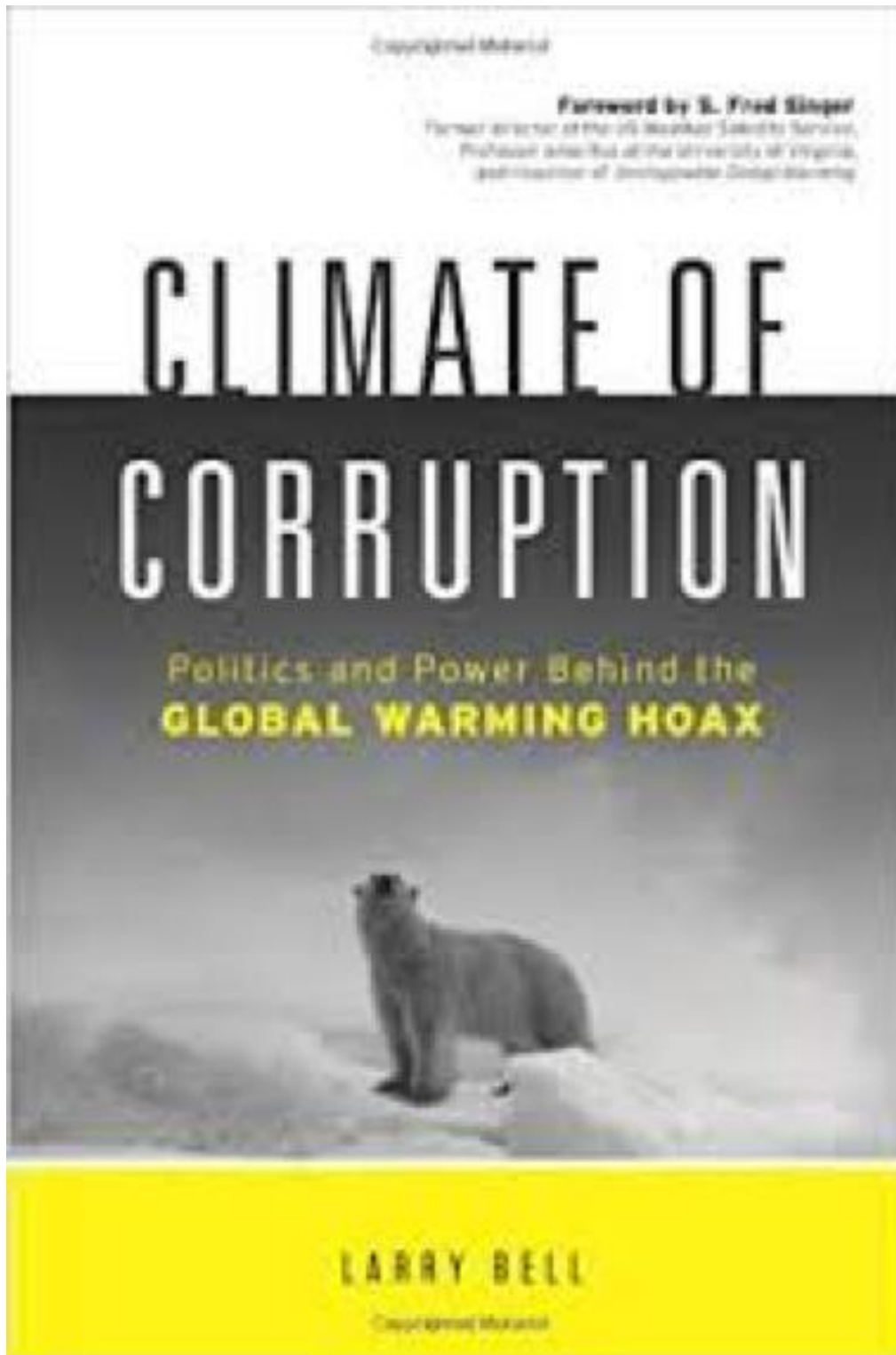
Posted on [February 11, 2019](#) by [tonyheller](#)

The vast majority of high-quality long-term temperature data comes from the US, and in fact much of the planet has little or no long-term temperature data. Because of the poor coverage, it is doubtful that the published global temperature record has any scientific validity. The US is one of very few places with reliable temperature data.

**THERE ARE MANY WELL REFERENCED BOOKS BY LEADING EXPERTS DEBUNKING THE FAKE GLOBAL WARMING CRISIS. HERE ARE THREE SAMPLES.**

Mother Nature controls the temperatures most likely by the variability of cloud cover which is controlled by the natural variability of with solar radiation which is impacted by cosmic rays and THERE IS NOTHING we can do about it. Be resilient to the reality that it is a fable that climate is ever stable.

**Climate of Corruption : Politics and Power Behind The Global Warming Hoax**



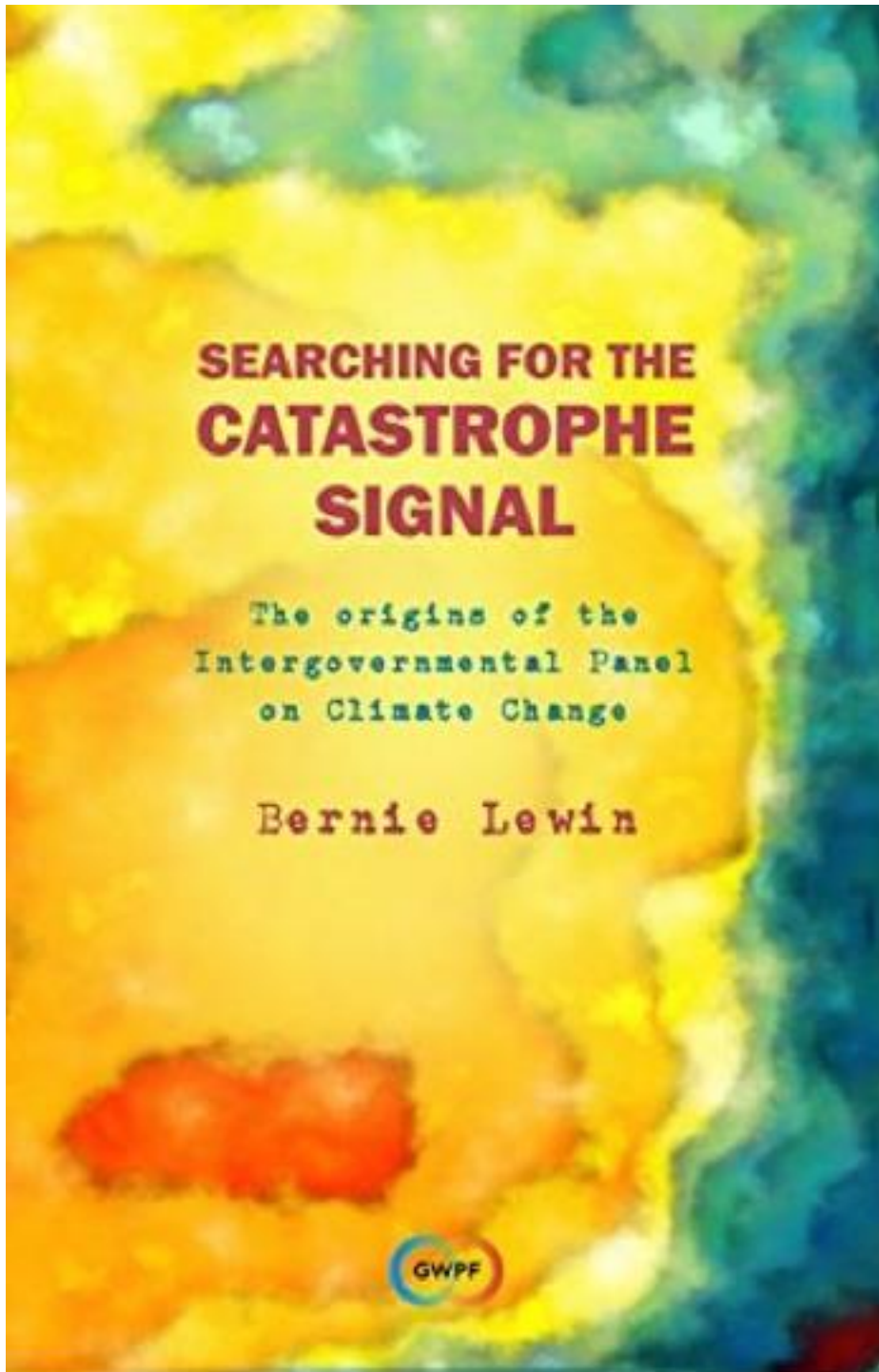
Melting glaciers, suffering polar bears, rising oceans—these are just a few of the climate change crisis myths debunked by noted aerospace expert Larry Bell in this explosive new book. With meticulous research, Bell deflates these and other climate misconceptions with perceptive analysis, humor, and the most recent scientific data. Written for the laymen, yet in-depth enough

for the specialist, this book digs deep into the natural and political aspects of the climate change debate, answering fundamental questions that reveal the all-too-human origins of “scientific” inquiry. Why and how are some of the world’s most prestigious scientific institutions cashing in on the debate? Who stand to benefit most by promoting public climate change alarmism? What true political and financial purposes are served by the vilification of carbon dioxide? How do climate deceptions promote grossly exaggerated claims for non-fossil alternative energy capacities and advance blatant global wealth redistribution goals? With its devastating portrayal of scientific and government establishments run amok, this book is an invaluable addition to the tremendously popular literature attacking the scientific status quo. *Climate of Corruption* will bring welcome relief to all those who are fed up with climate crisis insanity.

*By now International climate is generally interesting to transfer the resources from developed to developing nations. Or as soon quote from the poor in rich countries to the rich and poor countries. And quotation*

*The truth is that there is no evidence for any significant human impact on global climate, and that there is nothing in a practical sense we can do to affect global climate. And as Larry Bell points out, a somewhat warmer climate with increased levels of carbon dioxide in the atmosphere would be beneficial overall to earths inhabitants, especially to those in developing nations who depend on agriculture for a living. Climate of Corruption brings a breath of fresh, cool air to the overheated climate debater.*

S. Fred Singer former director of US National Weather Service light service professor M or M or



The UN are guilty of a swindle about human made climate change as they doctored the key scientific working group report in 1995. The sordid story is presented objectively by Bernie Lewin in his book **SEARCHING FOR THE CATASTROPHE SIGNAL**.

The UN climate science working group of 2000 experts said this when they made their report in 1995. They said we do not have scientific evidence of anthropogenic climate change.

**In the 1995 2nd Assessment Report of the UN IPCC the scientists included these three statements in the draft:**

1. “**None** of the studies cited above has shown clear evidence that we can attribute the observed (climate) changes to the specific cause of increases in greenhouse gases.”
2. “**No study to date** has positively attributed all or **part** (of observed climate change) to anthropogenic (i.e. man-made) causes.”
3. “**Any claims of positive detection of significant climate change are likely to remain controversial** until uncertainties in the natural variability of the climate system are reduced

The IPCC Working group presented details of the uncertainty about human caused climate that focused mostly on the fact the Co2 thesis is overwhelmed by natural variation and climate history. Here are details in their report where evidence is uncertain.

### **11.1 Introduction**

**Present shortcomings include Significant uncertainty, by a range of three, regarding**

- \* **the sensitivity of the global average temperature and mean sea-level to the increase in greenhouse gases,**
- \* **Even larger uncertainties regarding regional climatic impacts, such that current climate change predictions have little meaning for any particular location,**
- \* **Uncertainty in the timing of the expected climate change,**
- \* **Uncertainty in the natural variations**

**To overcome these shortcomings, substantial improvements are required in scientific understanding which will depend on the creative efforts of individual scientists and groups. Nevertheless**

**the scale of the task demands international coordination and strong national participation.**

## **11.2 Problem Areas and Scientific Responses**

To achieve effective prediction of the behaviour of the climate system we must recognize that this system is influenced by a complex array of interacting physical chemical and biological processes. The scientific strategy to address these processes must include both observation and modelling. We must be able to understand the mechanisms responsible for past and present variations and to incorporate these mechanisms into suitable models of the natural system. The models can then be run forward in time to simulate the evolution of the climate system. Such a programme includes three essential steps:

- \* Analysis of observational data, often obtained from incomplete and indirect measurements, to produce coherent information and understanding,
- \* Application of observational information and understanding to construct and validate time-dependent mathematical models of natural processes,
- \* Running such models forward to produce predictions that can (and must) be tested against observations to determine their "skill" or reliability over relatively short time-periods.

<https://www.ipcc.ch/site/assets/...>

**Sadly the IPCC *politicians* wrote the final report and the "Summary". The changed completely the intent of the 'scientists' doubts. Those three statements by 'scientists' above were replaced with this:**

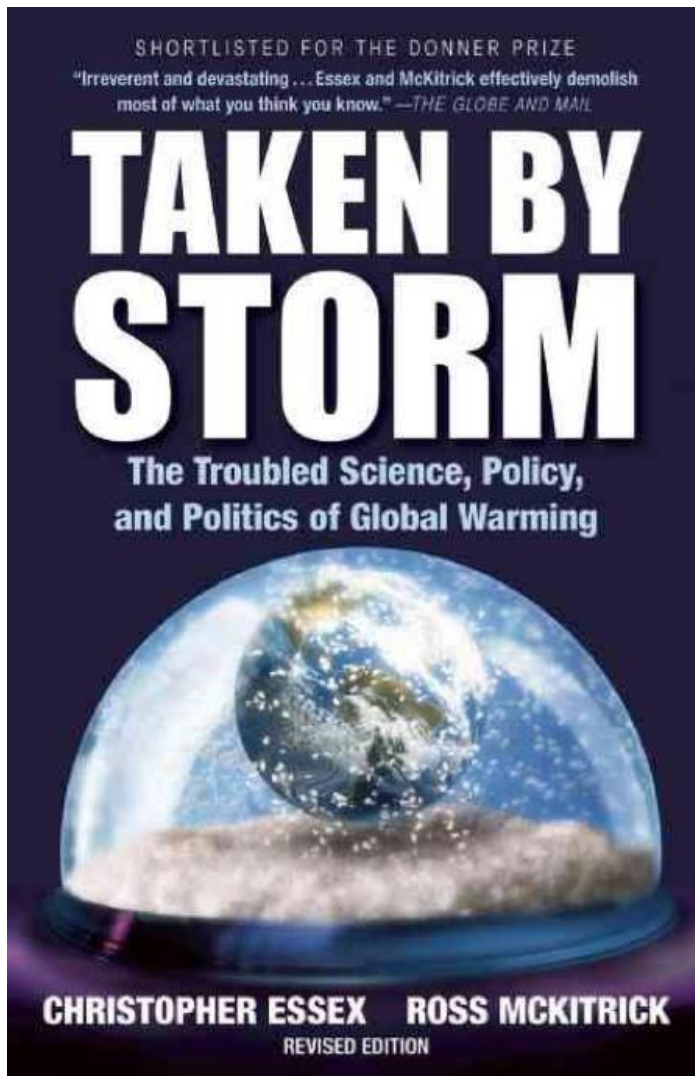
***"The balance of evidence suggests a discernable human influence on global climate."***

**THIS EDITED STATEMENT IN 1995  
IS A LIE THAT CONTINUES TO  
INFORM UN AND ALARMISM  
TODAY.**



test at University of Virginia and Cole author of Unstoppable Global Warming

**“GLOBAL WARMING CEASED TO BE A SUBJECT OF SCIENTIFIC DEBATE YEARS AGO” (Page 10)**



The authors argue that politicians and others claim far more certainty than is justified by the science. The authors also argue that public policy discussions have abandoned science and resorted to ad hominem attacks.

Taken by Storm was one of two runners up for the 2002 Donner Prize for the best book on Canadian public policy.[5]

In TAKEN BY STORM – The Trouble science, policy and politics of global warming Essex and McKittrick offer a scientifically sound argument against Main

Street. “They cut through all the obfuscation and and doublespeak that surrounds one of the most complex scientific economic issues of our time”

*We wrote this book because tired see irrational fears about global warming because nations and their leaders to rush around how in a panic about a crisis that in all probability does not exist and enact obscenely expensive policies that would not fix anything even if it did. We wrote this book because we got tired of seeing science twisted into a prop for policital ideology.*

The physical phenomena in climate and weather are among the most complex in nature, and science can say very little about what they will do in the future. Yet a large international policy framework has been built precisely on the assumption that we know what is happening and how to control it. In *Take by Storm*, Christopher Essex and Ross McKitrick prove this assumption false, carefully explaining the science of climate change and deconstructing the widespread myth of global warming. They argue that the connection between science and society is disintegrating, and they propose a vital first step toward repairing this relationship.

## **TEMPERATURE FUDGING**

[A Critical Review of Global Surface Temperature Data Products by Ross McKitrick :: SSRN](#)

In 1986, NASA’s top climate scientist James Hansen predicted the US would heat up 4-6 degrees by 2020 (next year.)

[The Milwaukee Journal - Jun 11, 1986](#)

# Greenhouse effect is speeding up

**Washington, D.C. —AP—** Scientists are warning Congress that the long-feared overheating of the Earth from air pollution is moving faster than expected.

"The fact that the greenhouse effect is real is proven," said James Hansen, director of NASA's Goddard Institute for Space Studies.

Hansen said the average US temperature had risen 1 to 2 degrees since 1958, and was predicted to increase 3 or 4 more degrees by 2020.

[The Milwaukee Journal - Google News Archive Search](#)

## ***Overheating of Earth Poses Survival Threat***

**WASHINGTON (AP) —** Scientists are warning Congress that the long-theorized, life-threatening overheating of the Earth from man-made air pollution is now a frightening reality.

**“The fact that the greenhouse effect is real is proven,”** said James Hansen, director of the National Aeronautics and Space Administration’s Goddard Institute for Space Studies.

**Hansen said the average U.S. temperature has risen from 1 to 2 degrees since 1958 and is predicted to increase an additional 3 or 4 degrees sometime between 2010 and 2020.**

[The Press-Courier – Google News Archive Search](#)

But three years later, NOAA reported that there had been no warming in the US over the past century

## U.S. Data Since 1895 Fail To Show Warming Trend

By PHILIP SHABECOFF, Special to the New York Times

Published: January 26, 1989

Correction Appended

**WASHINGTON, Jan. 25**— After examining climate data extending back nearly 100 years, a team of Government scientists has concluded that there has been no significant change in average temperatures or rainfall in the United States over that entire period.

While the nation's weather in individual years or even for periods of years has been hotter or cooler and drier or wetter than in other periods, the new study shows that over the last century there has been no trend in one direction or another.

The study, made by scientists for the National Oceanic and Atmospheric Administration was published in the current issue of Geophysical Research Letters. It is based on temperature and precipitation readings taken at weather stations around the country from 1895 to 1987.

### [U.S. Data Since 1895 Fail To Show Warming Trend - NYTimes.com](https://www.nytimes.com/1989/01/26/us/us-data-since-1895-fail-to-show-warming-trend.html)

And by 1999, Hansen's US temperature data (left graph below) showed cooling since the 1940s.

*in the U.S. there has been little temperature change in the past 50 years, the time of rapidly increasing greenhouse gases — in fact, there was a slight cooling throughout much of the country*

## Science Briefs

### Whither U.S. Climate?

By James Hansen, Reto Ruedy, Jay Glascoe and Makiko Sato — August 1999

What's happening to our climate? Was the heat wave and drought in the Eastern United States in 1999 a sign of global warming?

Empirical evidence does not lend much support to the notion that climate is headed precipitately toward more extreme heat and drought. The drought of 1999 covered a smaller area than the 1988 drought, when the Mississippi almost dried up. And 1988 was a temporary inconvenience as compared with repeated droughts during the 1930s "Dust Bowl" that caused an exodus from the prairies, as chronicled in Steinbeck's *Grapes of Wrath*.

How can the absence of clear climate change in the United States be reconciled with continued reports of record global temperature? Part of the "answer" is that U.S. climate has been following a different course than global climate, at least so far. Figure 1 compares the temperature history in the U.S. and the world for the past 120 years. The U.S. has warmed during the past century, but the warming hardly exceeds year-to-year variability. Indeed, in the U.S. the warmest decade was the 1930s and the warmest year was 1934. Global temperature, in contrast, had passed 1930s values by 1980 and the world has warmed at a remarkable rate over the last 25 years.

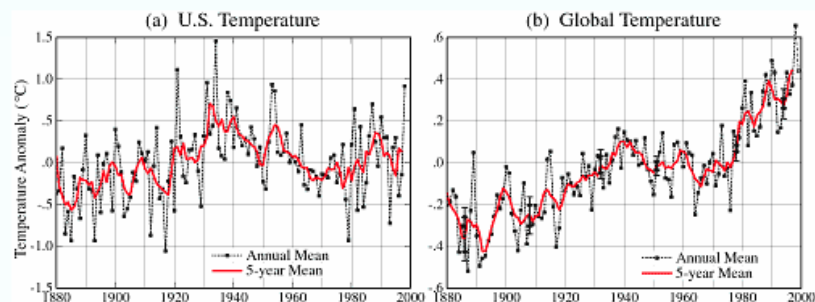
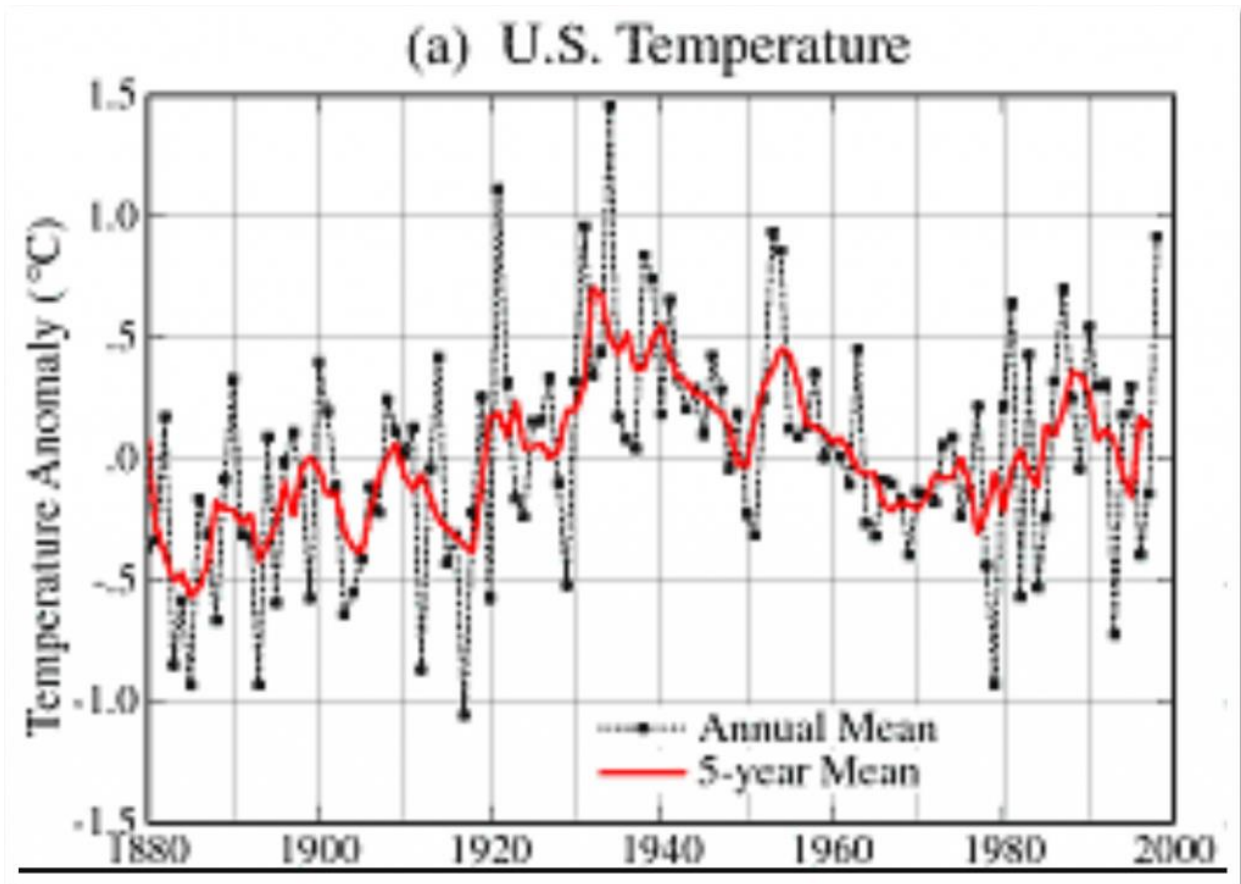


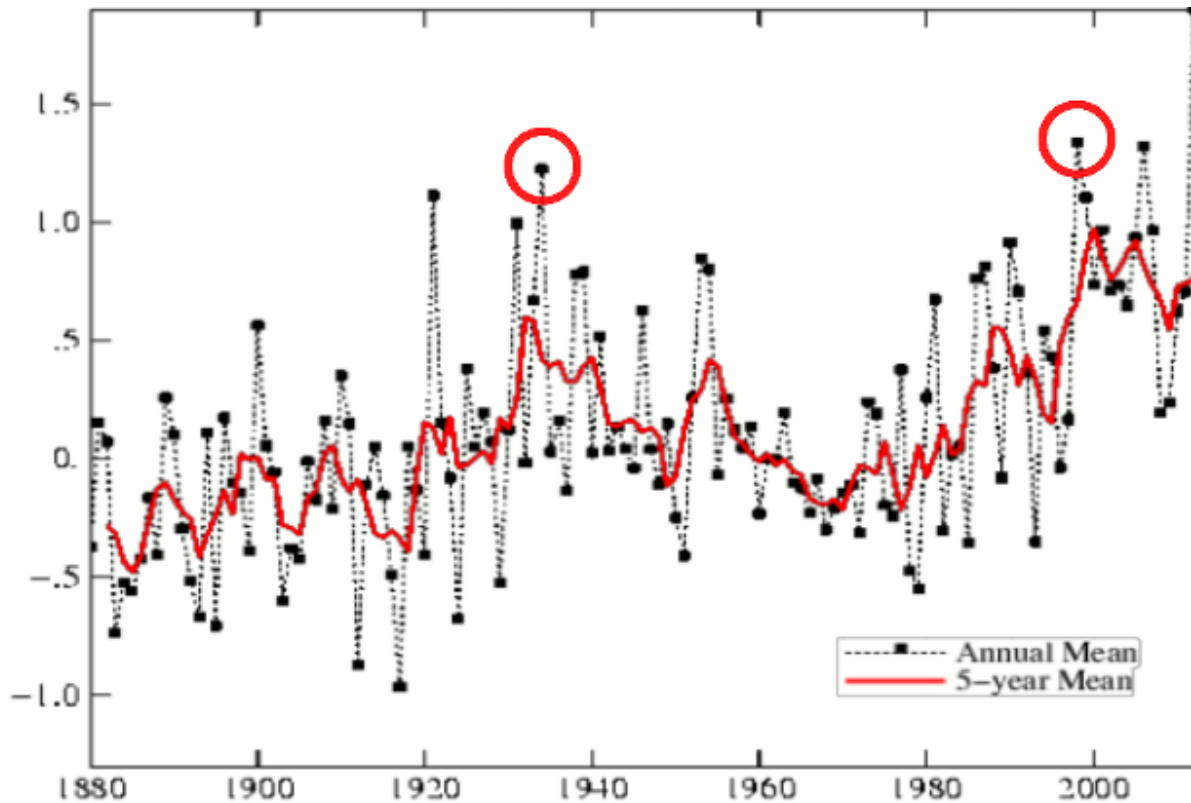
Fig. 1: Annual and 5-year mean surface temperature for (a) the contiguous 48 United States and (b) the globe, relative to 1951-80, based on measurements at meteorological stations.

A picture of how U.S. climate change during the past half century compared with the rest of the world is shown in Figure 2. This map shows that the trend has been toward warmer temperatures in most of the world. There has been nearly ubiquitous warming in the tropics, especially in the Eastern Pacific Ocean, where the largest warming coincides with the location of more frequent strong El Niños. The strongest warming has been in Alaska and northern Asia. Warming in Alaska is often associated with El Niños. A suspicion of many climatologists — as yet unproven — is that an increasing greenhouse effect may cause more frequent and intense El Niños. Asia has long been predicted to show the largest warming due to increasing greenhouse gases, especially in the winter, and observations are consistent with that.



[NASA GISS: Science Briefs: Whither U.S. Climate?](#)

This was very disturbing to both NASA and NOAA. Their CO<sub>2</sub> warming theory was failing badly, so they simply changed the data, turning cooling into warming. This happened at the same time Michael Mann was erasing the Medieval Warm Period.

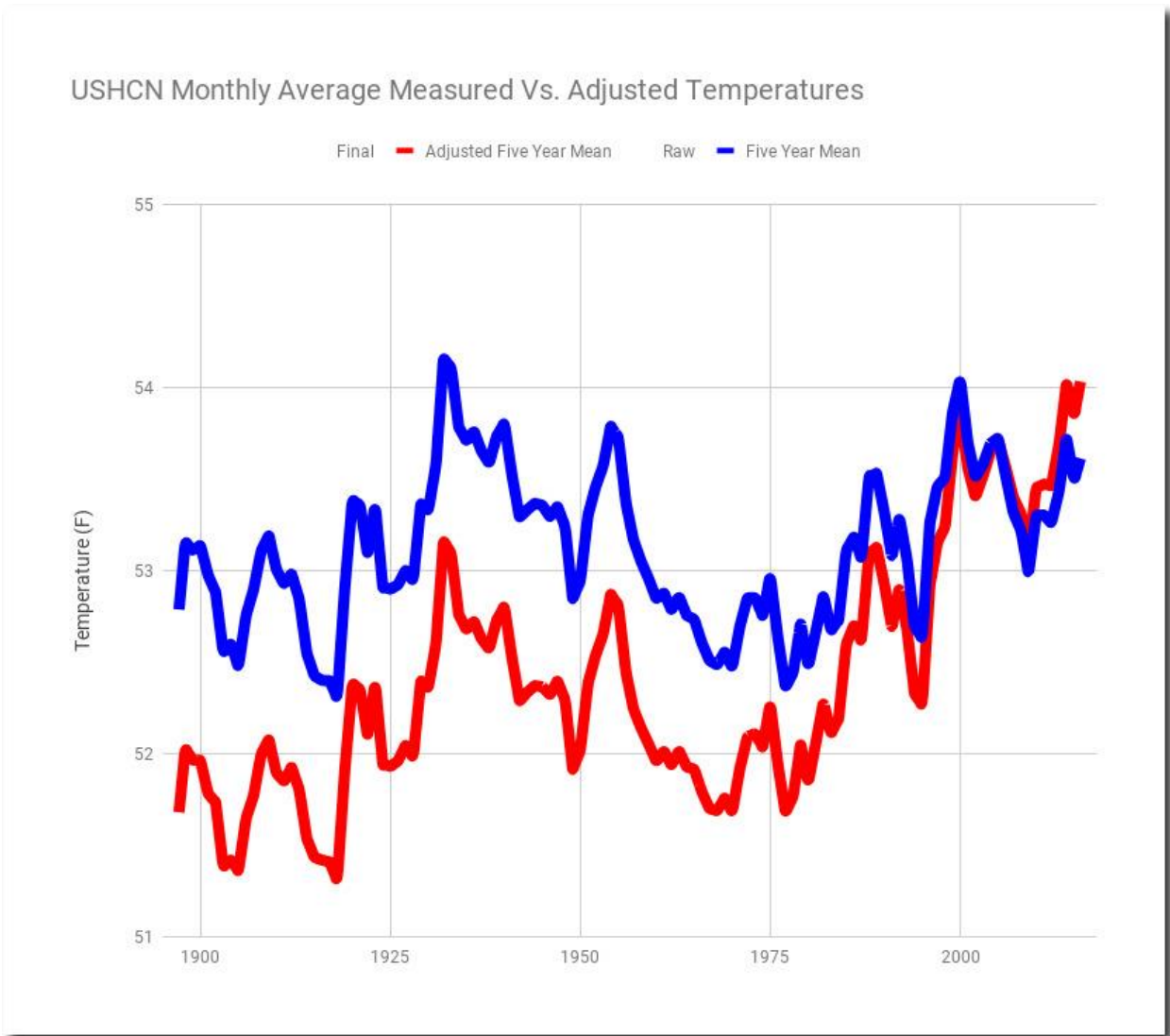


# NASA 2016

[NASA 1999](#) [NASA 2016](#)

The blue line below shows the five year mean of the average annual temperature at all NOAA United States Historical Climatology Network Stations. The red line shows the graph they release to the public, and has been highly altered to create the appearance of warming – which does not exist in the thermometer data.

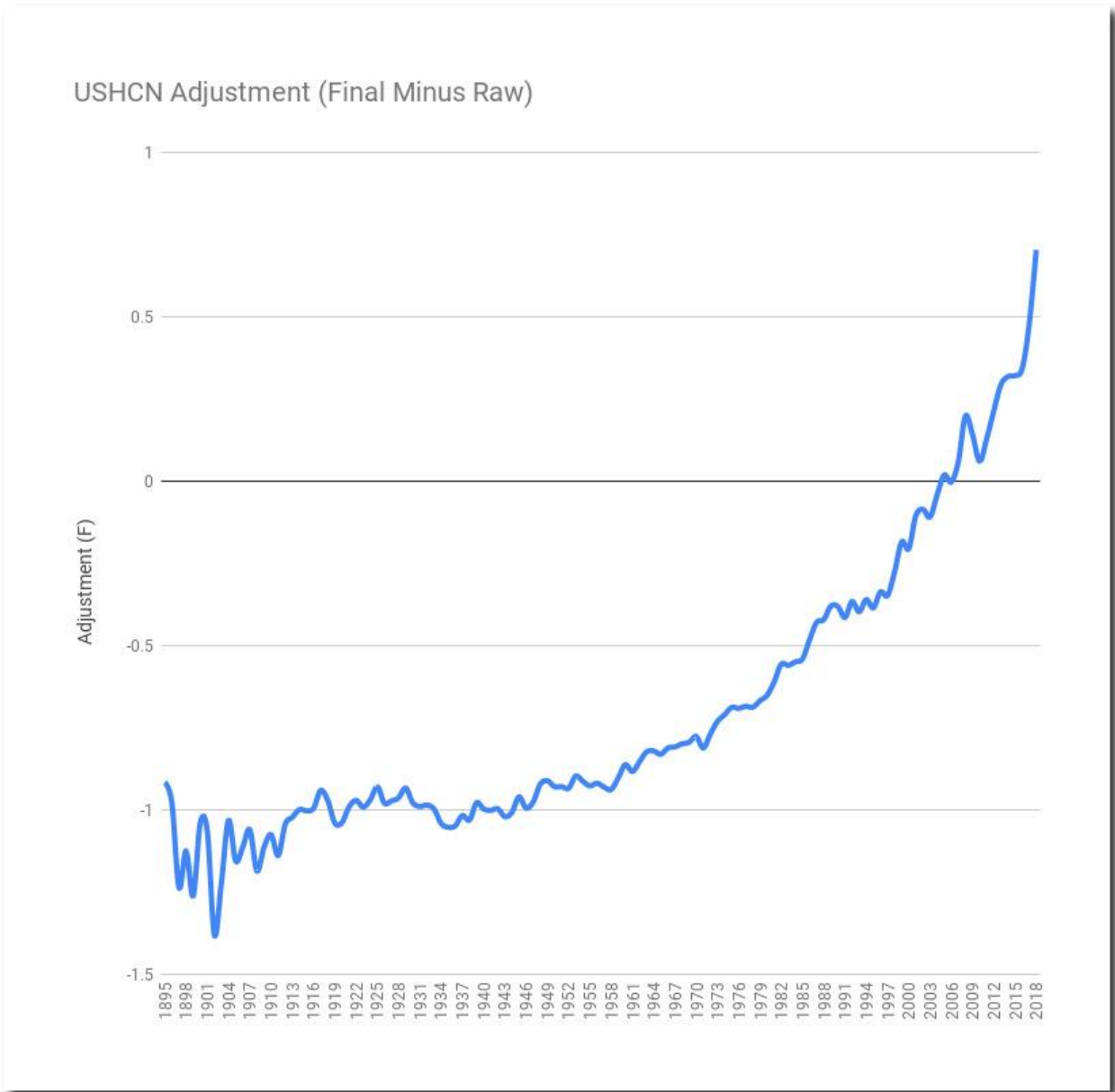




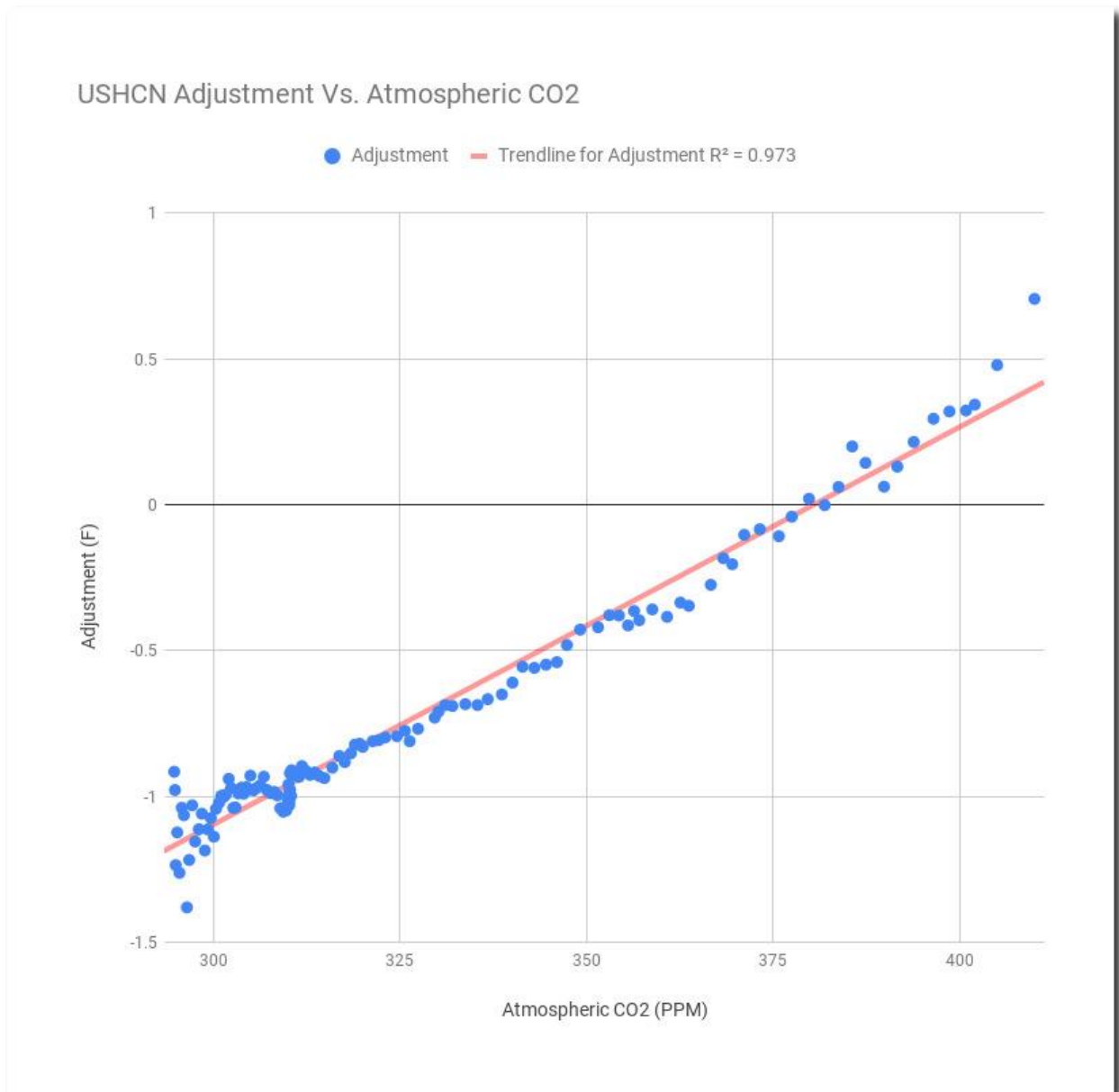
[Spreadsheet](#)   [Data](#)

If they believe there is error in the data, the correct way to handle it is to leave the data intact, and put error bars on it. Not alter the data and pass it to the public as if it represents the actual thermometer data.

The next graph shows the adjustments they are making, which creates a spectacular hockey stick of data tampering since the 1960s.

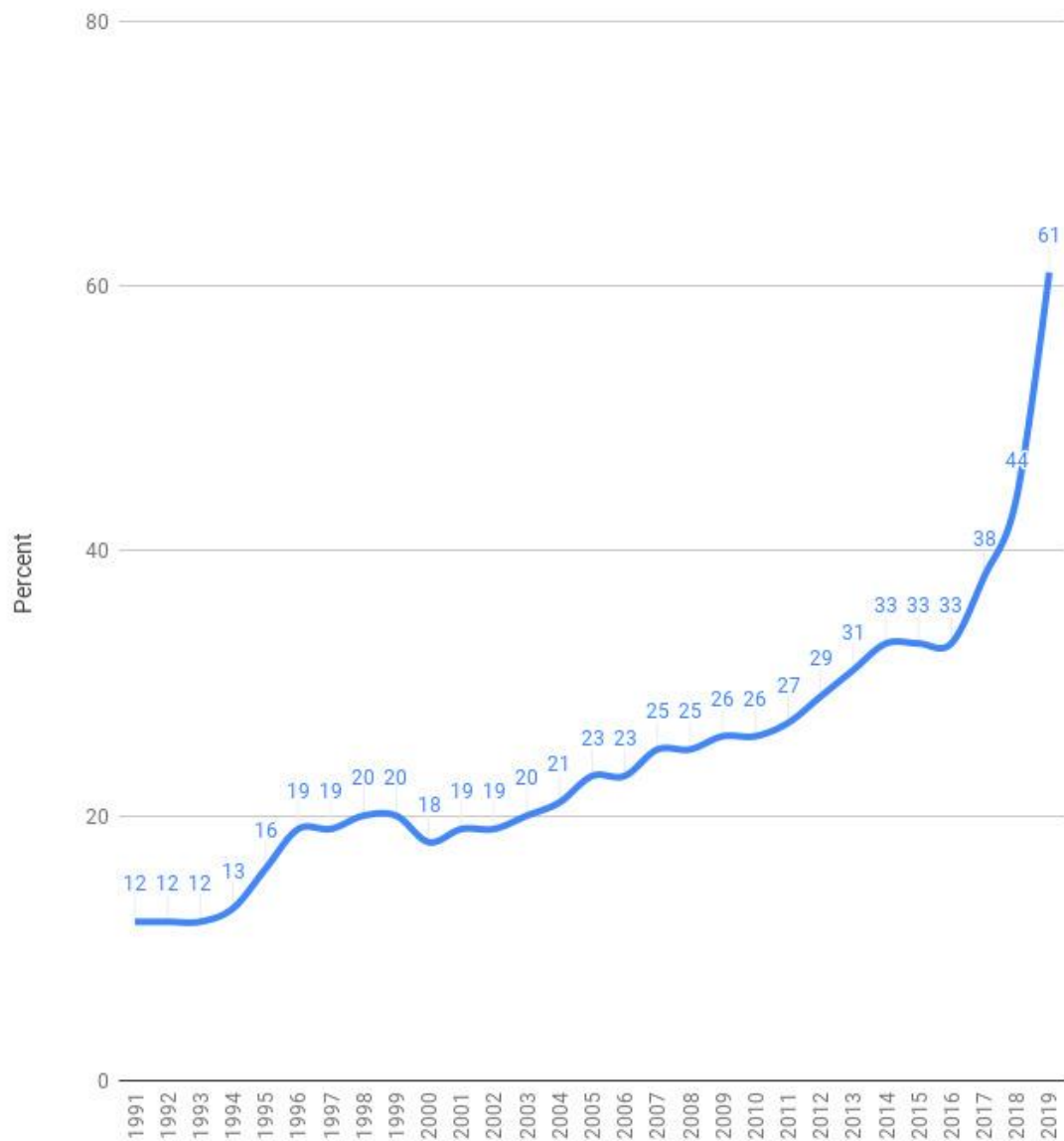


Plotted with atmospheric CO<sub>2</sub> on the X-axis instead of time, it becomes apparent that the data is being altered precisely ( $R^2 = 0.97$ ) to match global warming theory. The ultimate junk science.



Most of the recent data tampering has been due to simply making data up. In their monthly temperature data, they mark estimated (as opposed to measured) temperatures with a capital "E." So far in 2019, sixty-one percent of the monthly temperature data is now estimated by a computer model, rather than actual measured thermometer data. The amount of fake data is up 500% since 30 years ago.

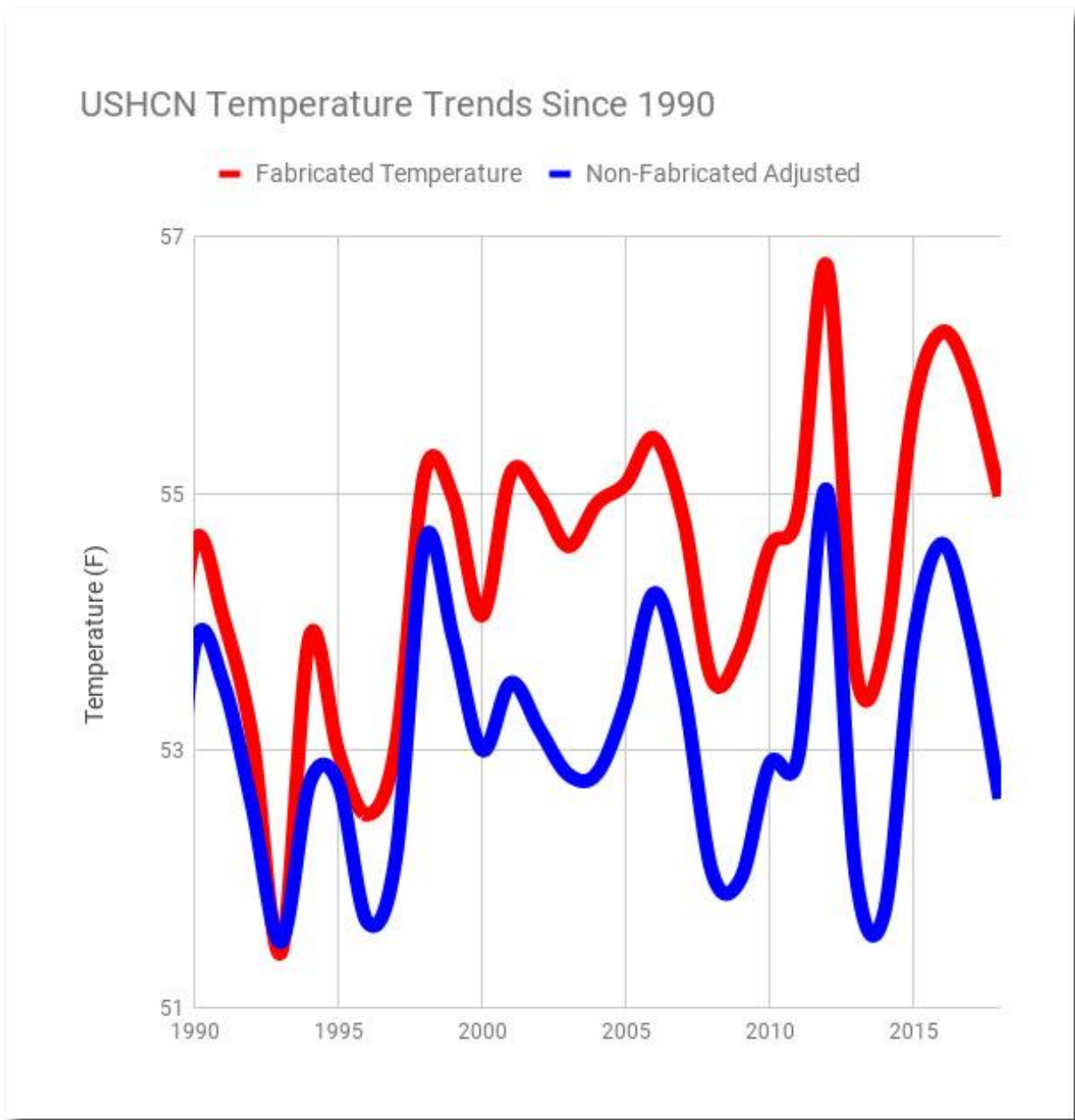
Percent Of USHCN Monthly Temperature Data Which Is Fabricated



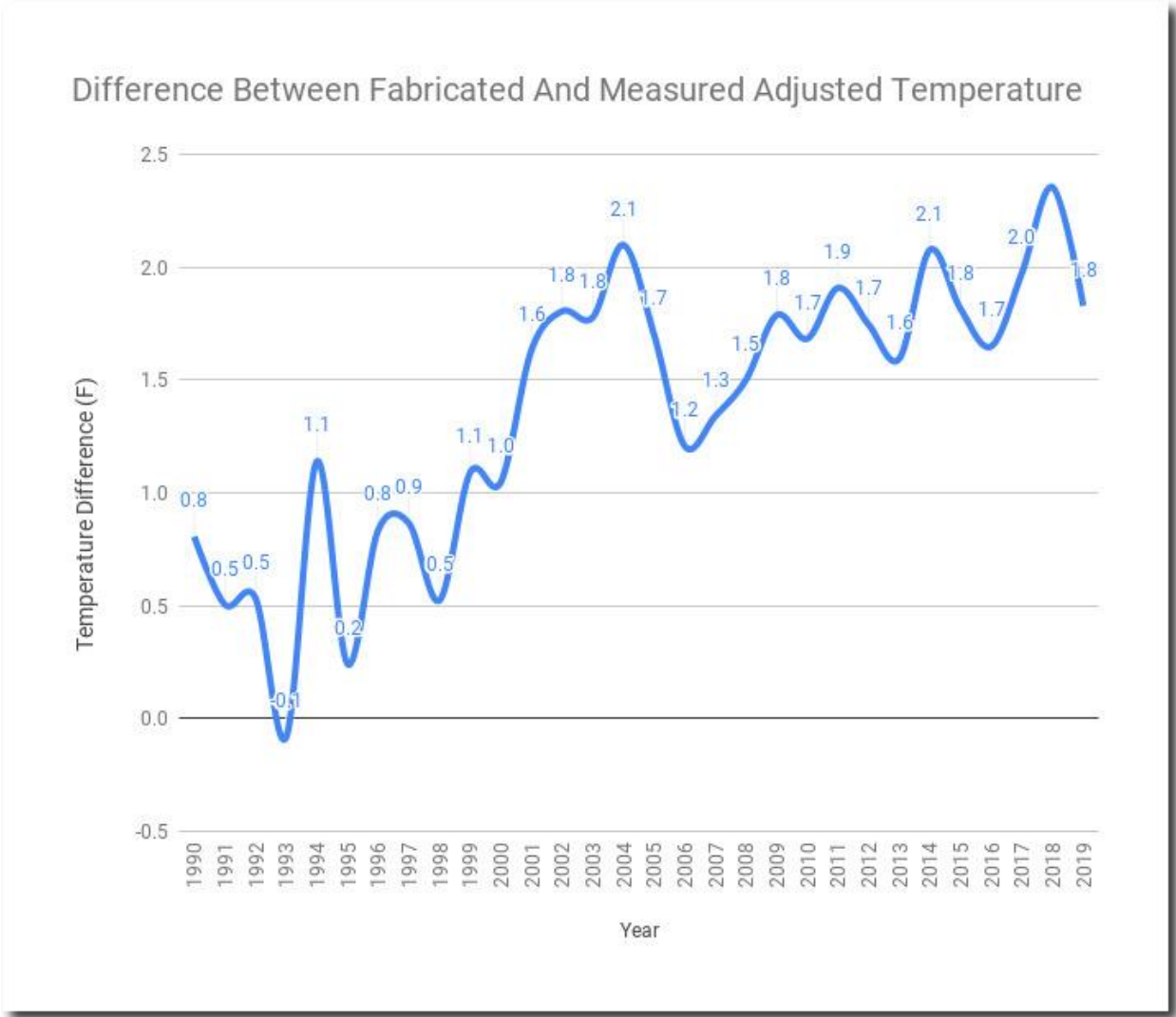
I grouped the NOAA adjusted temperatures into two groups:

1. Measured and adjusted (blue)
2. Estimated (red)

Almost all of the US warming since 1990 is due to fake data from computer models, which now makes up 60% of the data.



The fake data is running two degrees warmer than the measured adjusted data. Not hard to create warming when you are simply making the data up.



Climate scientists openly discussed getting rid of the 1940s warmth, and they did just that.

From: Tom Wigley <wigley@ucar.edu>  
To: Phil Jones <p.jones@uea.ac.uk>  
Subject: 1940s  
Date: Sun, 27 Sep 2009 23:25:38 -0600  
Cc: Ben Santer <santer1@llnl.gov>

<x-flowed>  
Phil,

Here are some speculations on correcting SSTs to partly explain the 1940s warming blip.

If you look at the attached plot you will see that the land also shows the 1940s blip (as I'm sure you know).

So, if we could reduce the ocean blip by, say, 0.15 degC, then this would be significant for the global mean -- but we'd still have to explain the land blip.

I've chosen 0.15 here deliberately. This still leaves an ocean blip, and i think one needs to have some form of ocean blip to explain the land blip (via either some common forcing, or ocean forcing land, or vice versa, or all of these). When you look at other blips, the land blips are 1.5 to 2 times (roughly) the ocean blips -- higher sensitivity plus thermal inertia effects. My 0.15 adjustment leaves things consistent with this, so you can see where I am coming from.

Removing ENSO does not affect this.

It would be good to remove at least part of the 1940s blip, but we are still left with "why the blip".

[di2.nu/foia/1254108338.txt](http://di2.nu/foia/1254108338.txt)

But even with all their data tampering, the fraudsters couldn't come close to Hansen's six degrees warming by 2020. Of course they still has a few more months to heat the US up six degrees.

## ***Overheating of Earth Poses Survival Threat***

**WASHINGTON (AP) —** Scientists are warning Congress that the long-theorized, life-threatening overheating of the Earth from man-made air pollution is now a frightening reality.

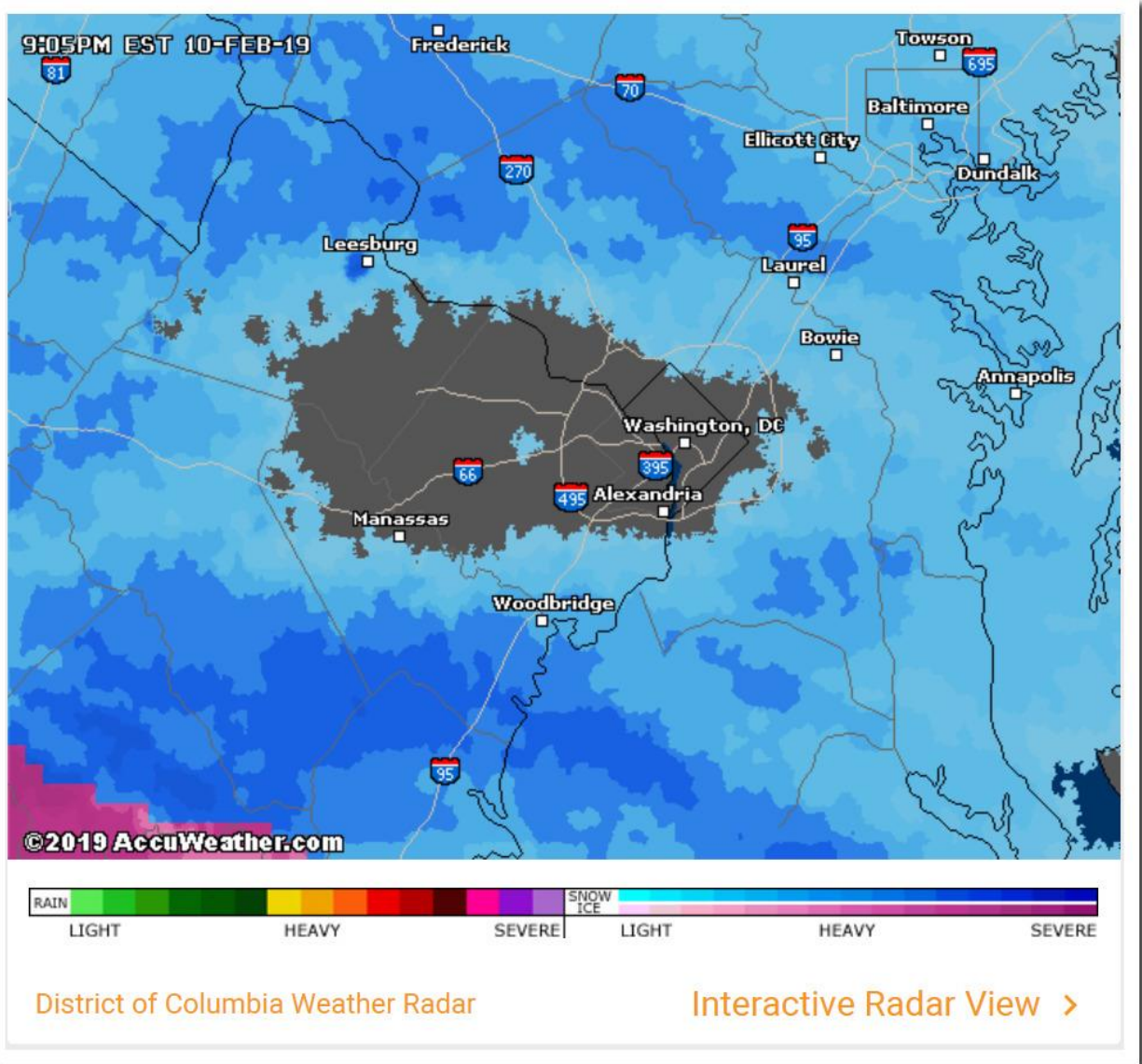
**“The fact that the greenhouse effect is real is proven,”** said James Hansen, director of the National Aeronautics and Space Administration’s Goddard Institute for Space Studies.

**Hansen said the average U.S. temperature has risen from 1 to 2 degrees since 1958 and is predicted to increase an additional 3 or 4 degrees sometime between 2010 and 2020.**

[The Press-Courier – Google News Archive Search](#)

They may be having some success tonight. All the hot air from the “Green New Deal” seems to be melting the snow around Washington DC.





[District of Columbia Doppler Weather Radar Map - AccuWeather.com](https://www.accuweather.com/district-of-columbia/doppler-weather-radar-map)

There is overwhelming evidence of fraud in NOAA and NASA's handling of climate data, and it is very important they are held to account.

<https://realclimatescience.com/2019/02/61-of-noaa-ushcn-adjusted-temperature-data-is-now-fake/>

# Catastrophic National Electric Grid Outage Beckons For Britain

*Published on August 16, 2019*

Written by Ed Hoskins



The United Kingdom is edging closer to a “full Fukushima” type shut down of the nation’s electricity grid system.

## **Summary**

Understand that a nil operating margin for electricity generation in a developed economy is **an existential National Emergency**.

Understand that **a coming Ice Age**, to whatever degree, is the climate catastrophe that really is worthy of concern for future generations.

The reversion to a Little Ice Age is predicted for the near future, (within decades), and a **Real Ice Age** could well return this century, next century or this millennium.

In spite of the vast establishment that has been created to support Green policies and the resulting huge and probably unnecessary expenditures and the increased existential National economic risks, realise that:

**Man-made Global Warming / Climate Change is most likely a non-problem.**

And even if it were a problem, it could not be effectively addressed by damaging the economies of the Developed World in attempting to control their emissions of CO<sub>2</sub>.

Understand that there is **no Catastrophic risk** from Anthropogenic Global Warming.

The major error is the conflation of Man-made atmospheric CO<sub>2</sub> with other truly toxic pollutants.

**Atmospheric CO<sub>2</sub> is after all plant food, the very stuff of life.**

Pursuing the Energy Policies outlined here without fear could well:

- possibly avoid the risk of catastrophic failure of the UK electricity grid.
- derail the vast expenditures for a Green Climate Change agenda that are already locked into the system. This expenditure, (estimated to be more than £300 billion, £300,000,000,000 by 2030), has no popular mandate in the UK
- make the UK economy very significantly richer.
- bring significant benefit to all UK Energy users.

## **Electricity Generation Operating Margin**

The UK has fallen well below a safe electricity generation operating margin on several occasions with the output failures of Weather Dependent Renewable Energy technologies.

Load shedding, (power cuts), have mostly been avoided so far, but only by extraordinary grid management measures<sup>[1]</sup>. But as the elimination of base load power generation continues, so failure will inevitably occur sooner or later.

Nations with embedded Green policy commitments to Weather Dependent Renewables, particularly the UK and Germany, already face **existential National Emergencies** in that their electricity generating margins for winter loads may often be virtually non-existent:

Global Warming / Climate Change Alarm are embedded in Western Energy policies.

The immediate existential danger posed by Green thinking will not be appreciated until a real and catastrophic electrical grid failure occurs.

So it is a race to the bottom, whose grid will fail first, the UK or Germany?

Then the failures will be a truly self-inflicted **National Emergencies**.

As the generating resources then needed to recover from grid failure will have been lost, it will not necessarily be possible to rectify the situation quickly.

Reliable generating resources have been eliminated by the Green policies, originating from the European Union and particularly re-enforced in the UK by the 2008 Climate Change Act.

These irrational decisions will have been taken ostensibly “to save the planet”, but the actions of those participating Nations will have been taken unilaterally, as compared to the rest of the world, at their own costs and to their own commercial and National economic disadvantage.

The scale of the real catastrophe that will arise with failure of the electricity generating system in UK or anywhere in Europe is not yet fully understood.

However:

The chaos and vast damage that will arise from a UK power outage for just a day or so will be hugely destructive to lives, livelihoods and investor / business confidence.

If an outage continues for more than a day **absolute anarchy** will result, much like the UK riots of 2011, but much much worse. The UK has already lost its ability for true self-sufficiency in consistent electricity generation.

Overall ~6% of UK power is already imported, usually at times of peak need from France: this is a **major existential National risk in itself**.

Overseas power sources should be urgently replaced by reliable in-country power generation simply on grounds of **National Security**.

If the French are experiencing shortages themselves at winter peak times they will certainly not be exporting their power to support the UK.

This risky situation has been worsened in the recent past firstly by the current outage for maintenance of about 30% of the French nuclear capability and secondly by storm damage to the French-UK interconnector. More recent French announcements indicate that they intend to reduce their commitment to Nuclear power from ~80% to ~50% and therefore they will reduce their ability to sell the nuclear power overseas.

<https://principia-scientific.org/catastrophic-national-electric-grid-outage-beckons-for-britain/>

**The climate change debate has been toxic because of the admitted mistruths and alternative wealth distribution and economic revisionist agenda of the alarmists.**



*“We (UN-IPCC) redistribute de facto the world’s wealth by climate policy...”*

*“One has to free oneself from the illusion that international climate policy is environmental policy. This has almost nothing to do with environmental policy anymore...”*

Dr. Ottmar Endenhofer, IPCC co-chair of Working Group 3, November 13, 2010 interview [H/t Dr. Charles Battig]

**Is there a middle road that is an honest advance of the environment not dependent on pseudo-science of human made global warming?**

**YES – THE IDEA OF MASSIVE TREE PLANTING IS THE COMPROMISE TO BRING US TOGETHER.**

# Cory Booker wants the federal government to plant billions of new trees

BY JACK TURMAN

AUGUST 8, 2019 / 6:01 AM / CBS NEWS

In an effort to fight climate change, Cory Booker wants the U.S. government to plant billions of new trees.

The New Jersey senator released a climate change bill Thursday aimed at sequestering carbon emissions, reducing agriculture emissions through farm conservation practices, and restoring wetlands. It would also implement a "massive reforestation" effort by planting over four billion trees by 2030 on federal, state, tribal and non-governmental lands and 15 billion trees by 2050.

Over 100 million of the new trees would be planted in low-income and minority neighborhoods, according to the bill, which Booker has dubbed the "Climate Stewardship Act of 2019." The legislation comes as much of the massive Democratic presidential field prepares to descend on the Iowa State Fair.



“In addition to transitioning from fossil fuels to clean energy, another essential step that we must take is to increase the carbon sequestration in our soils, forests, and wetlands,” Sen. Cory Booker said in a statement. | Ethan Miller/Getty Images

## Booker floats 'nature-based' climate strategy

By [ANTHONY ADRAGNA](#)

08/08/2019 06:01 AM EDT

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Sen. [Cory Booker](#) (D-N.J.) on Thursday unveiled draft [legislation](#) to encourage tree-planting, sustainable agriculture and other "nature-based" strategies to address climate change.



# John Casey: The Sun Has Ended Global Warming

By Courtney Coren | Thursday, 09 April 2015 02:44 PM

are

Even though many who promote the mainstream view that the Earth is still on a warming trend, climate expert John Casey tells [Newsmax TV](#) that that warming trend is over, and the sun is the culprit, not carbon emissions.

"This is actually a pretty straightforward scientific proposition. The sun goes through natural cycles and currently a 206-year cycle of the sun has ended global warming and has begun to institute a new cold climate period by cutting back on that energy by which it warms the planet," Casey, president of the Space and Science Research Corp., told J.D. Hayworth and Miranda Khan on "America's Forum" on Thursday.

And he says that this cooling trend may be "an extreme cold era of global cooling."

[Dr. Richard A. Muller](#), senior scientist of the Lawrence Berkley Laboratory, has said according to his measurements that solar activity does not affect climate change.

Casey said, "The UN dismissed the role of the sun in climate change decades ago by using the same kind of illogic. The illogic is if you use only one parameter for the sun, the TSI, or total solar irradiance, and you use that measurement, we find out that the TSI does in fact vary only a very small percentage of 1 percent.

"However, what we now know after decades of research is that the Earth,

not only lives in a 'Goldie Locks' zone around the sun, but lives on a knife's edge within that 'Goldie Locks' zone," he explained.

"Even that very small fraction of 1 percent of energy output from the sun, makes the complete difference between a global warm period and a new little ice age," he said.

However, the climate expert said that "mankind's CO<sub>2</sub> contribution does add to global warming or it used to when we had global warming."

"It, however, is such a very very small component, it's almost insignificant," Casey contends.

"In fact, in our global climate status report that our scientists put together every six months, we measure 24 major climate parameters and CO<sub>2</sub> is not even one of them," he added.

Casey, who worked as a consultant for NASA and was a White House space program adviser, is the author of "[\*\*Dark Winter: How the Sun is Causing a 30-Year Cold Spell\*\*](#)," in which he argues that that the planet is undergoing a cooling trend.

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Every article you read that addresses the Climate Change debate begins at this one does - attributing the title of "expert" to someone whose opinion on climate change will be offered. But is the label "expert" always accurately applied to the one being quoted? I am not throwing stones at the credentials of John Casey, who is quoted in this article - though I do give some thought to what credentials the article's author, Courtney Coren, possesses to classify him as one. The point I am making is that we need to look objectively at what is being said by whom and then consider what is being offered up to us carefully before we simply buy into what is being said. If I read a similar Climate Change article in Huffington Post, no doubt some remarks made about the reality of manmade Climae Change would be attributed to some "expert" too - an expert like Al Gore. Of course, any scrutiny of Al Gore's educational or occupational background will display that Al Gore is as "expert" about science as Barack Obama is about economics, healthcare enrollment websites and Constitutional compliance. For me, this article offers two opinions of people with occupations having a scientific focus and those opinions are at odds

with the preposterous mantra of so many AGW cultists who continually insist that 97-99% of scientists agree that manmade global warming is real. And these 2 people and their opinions only further convince me that we are all being assaulted by those whose agendas have nothing whatsoever to do with healing, preserving or saving planet Earth. In fact, there is a growing legion of professional men and women in science whose views are completely contrary to what we are being sold by Federal grant prostitutes, ego maniacs, lemming-like morons and a complicit, agenda-driven news media. But read each opinion carefully and assess if you can if, in fact, the people being quoted sound objective or outcome-motivated.

<https://www.newsmax.com/newsmax-tv/john-casey-sun-global-warming-carbon-emissions/2015/04/09/id/637524/>

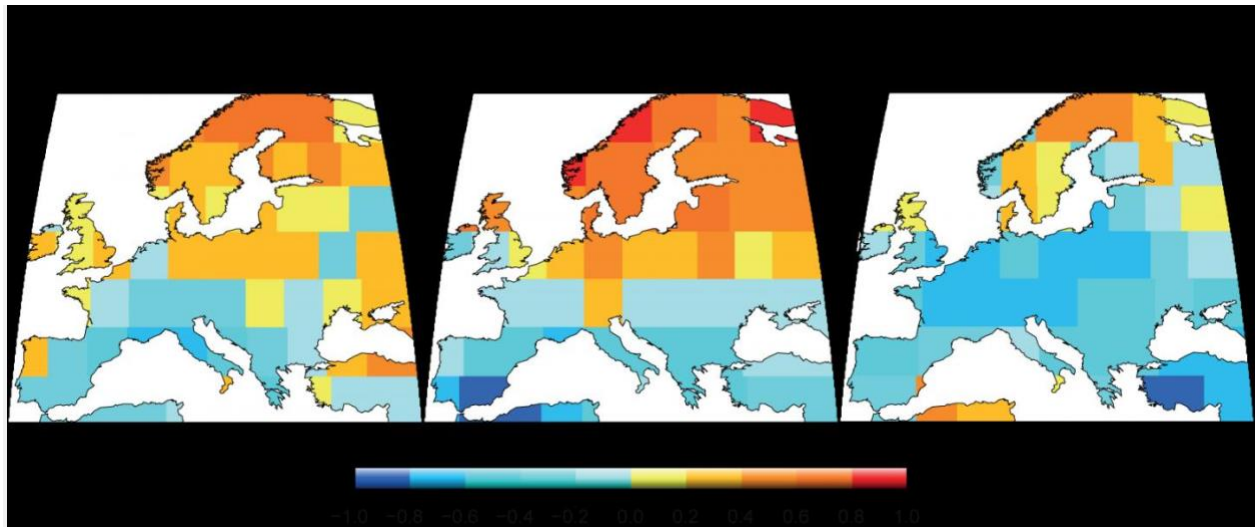
NEWS RELEASE 5-AUG-2019

# Twelve centuries of European summer droughts

STOCKHOLM UNIVERSITY

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**IMAGE:** THESE ARE MAPS SHOWING DECADAL CORRELATION DURING THE 20TH CENTURY BETWEEN INSTRUMENTAL MEASUREMENTS OF TEMPERATURE AND PRECIPITATION (LEFT), TREE-RING RECONSTRUCTED TEMPERATURE AND DROUGHT (MIDDLE), AND MODEL-SIMULATED TEMPERATURE AND PRECIPITATION (RIGHT)... [viewmore](#)

## Decadal Correlation

### *Caption*

These are maps showing decadal correlation during the 20th century between instrumental measurements of temperature and precipitation (left), tree-ring reconstructed temperature and drought (middle), and model-simulated temperature and precipitation (right) for the summer season. The stronger the red colour, the more positive (warm = wet) is the correlations. The stronger the blue colour, the more negative (warm = dry) is the correlations.

### *Credit*

CREDIT: FREDRIK CHARPENTIER LJUNGQVIST

An international team of researchers have published a study exploring the association between summer temperature and drought across Europe placing recent

drought in the context of the past 12 centuries. The study reveals that, throughout history, northern Europe has tended to get wetter and southern Europe to get drier during warmer periods. They also observe that recent changes in drought patterns are not unprecedented as yet and emphasising that continuing to improve understanding of the relationship between summer heat and drought is critical to projecting flood and drought risks.

The new study, published in *Environmental Research Letters*, explores the relationship between summer temperature and drought using weather measurements going back to the 18th century and tree-ring reconstructions of temperature and drought going back to the 9th century. The team then compared the picture of past temperature and drought, revealed by the tree-ring records, to simulations from the same climate models that are used to predict future climate.

This comparison revealed that the climate model simulations show a too strong relationship between warm and dry summers, and do not capture that a large part of Europe has received more precipitation, not less, when it has been warm in the past 12 centuries.

Project leader Dr. Fredrik Charpentier Ljungqvist, Associate Professor at Stockholm University, said these new findings are important as we are able to see for the first time that the relationship between summer temperature and drought in modern weather measurements has persisted for at least 12 centuries. "We can also see that wetting trend in northern Europe, and drying trend in southern Europe, during the 20th century is not unprecedented over this time perspective," he said.

Going on to discuss the climate model results, Dr. Ljungqvist said: "Crucially, our study shows that the very strong link between warm and dry periods being simulated in the climate models could be too simple. It's not a picture backed up by the weather records and tree-ring data. The climate model simulations seem to underestimate how large part of Europe actually experiences wetter summers when the climate is warmer."

"Our study implies a possible exaggeration in the climate models of temperature-driven drought risk in parts of northern Europe under global warming. But this also means that the models may well underestimate future excessive precipitation, with associated flood risks, in northern Europe," continues Dr. Ljungqvist.

###

Reference: Ljungqvist, F.C., Seim, A., Krusic, P.J., González-Rouco, J.F., Werner, J.P., Cook, E.R., Zorita, E., Luterbacher, J., Xoplaki, E., Destouni, G., Bustamante, E.G., Aguilar, C.A.M., Seftigen, K., Wang, J., Gagen, M.H., Fleitmann, D., Solomina, O., Esper, J., and Büntgen, U., 2019: Summer temperature and drought co-variability across Europe since 850 CE. *Environmental Research Letters*, 14: 084015. <https://dx.doi.org/10.1088/1748-9326/ab2c7e>.

For further information and interviews, please contact:

Fredrik Charpentier Ljungqvist, Department of History, Stockholm University, Sweden, e-mail: [fredrik.c.l@historia.su.se](mailto:fredrik.c.l@historia.su.se) (preferable way of contact), phone +46706620728

[https://www.eurekalert.org/pub\\_releases/2019-08/su-tco080319.php](https://www.eurekalert.org/pub_releases/2019-08/su-tco080319.php)

Science

## **China scientists warn of global cooling trick up nature's sleeve**

- Research sheds light on 500-year Chinese weather cycle and suggests a cool change could be on the way
- Findings leave no room for complacency or inaction



**Stephen Chen**

Published: 6:30am, 11 Aug, 2019



A team of Chinese researchers says a period of global cooling could be on the way, but the consequences will be serious. Photo: Xinhua

A new study has found winters in northern China have been warming since 4,000BC – regardless of human activity – but the mainland scientists behind the research warn there is no room for complacency or inaction on climate change, with the prospect of a sudden global cooling also posing a danger.

The study found that winds from Arctic Siberia have been growing weaker, the conifer tree line has been retreating north, and there has been a steady rise in biodiversity in a general warming trend that continues today. It appears to have

little to do with the increase in greenhouse gases which began with the industrial revolution, according to the researchers.

## ADVERTISING

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Lead scientist Dr Wu Jing, from the Key Laboratory of Cenozoic Geology and Environment at the Institute of Geology and Geophysics, part of the Chinese Academy of Sciences, said the study had found no evidence of human influence on northern China's warming winters.

“Driving forces include the sun, the atmosphere, and its interaction with the ocean,” Wu said. “We have detected no evidence of human influence. But that doesn't mean we can just relax and do nothing.”



Moon Lake, a small volcanic lake hidden in the deep forest of China's Greater Khingan Mountain Range, where a team of scientists spent more than a decade studying the secrets hidden in its sediments. Photo: Baidu

Share:

Wu and her colleagues are concerned that, as societies grow more used to the concept of global warming, people will develop a misplaced confidence in our ability to control climate change. Nature, they warned, may trick us and might



catch us totally unprepared – causing chaos, panic, famine and even wars as the global climate system is disrupted.

There are already alarming signs, according to their paper, which has been accepted for publication by the online Journal of Geophysical Research: Atmospheres.

Moon Lake, a small volcanic lake hidden in the deep forests of the Greater Khingan Mountain Range in China's Inner Mongolia autonomous region. They found that winter warming over the past 6,000 years had not been a smooth ride, with ups and downs occurring about every 500 years.

Their findings confirmed an earlier study by a separate team of Chinese scientists, published by online journal Scientific Reports in 2014, which first detected the 500-year cyclical pattern of China's summer monsoons and linked it to solar activity.

The 2014 research, which drew on 5,000 years' worth of data, suggested the current warm phase of the cycle could terminate over the next several decades, ushering in a 250-year cool phase, potentially leading to a partial slowdown in man-made global warming.

Wu said the latest study, with 10,000 years' worth of new data, not only helped to draw a more complete picture of the 500-year cycle, but also revealed a previously unknown mechanism behind the phenomenon, which suggested the impact of the sun on the Earth's climate may be greater than previously thought.

According to Wu, the variation in solar activity alone was usually not strong enough to induce the rapid changes in vegetation the research team recorded in the sediment cores of Moon Lake. Instead, the scientists found the warming impact was amplified by a massive, random interaction between surface seawater and the atmosphere in the Pacific Ocean known as the El Nino-Southern Oscillation.

As a result of the research findings, Wu said she was now more worried about cooling than warming.

“A sharp drop of temperature will benefit nobody. The biggest problem is, we know it will come, but we don't know exactly when.”

China science  
Climate

<https://www.scmp.com/news/china/science/article/3022136/china-scientists-warn-global-cooling-trick-natures-sleeve>

## RSS Shows No Warming In Australia

Posted: November 5, 2013 | Author: Jamie Spry | Filed under:

*“We’ve got to ride this global warming issue. Even if the theory of global warming is wrong, we will be doing the right thing in terms of economic and environmental policy.”*

– Timothy Wirth,

President of the UN Foundation

*“No matter if the science of global warming is all phony... climate change provides the greatest opportunity to bring about justice and equality in the world.”*

– Christine Stewart,

former Canadian Minister of the Environment

*“This planet is on course for a catastrophe. The existence of Life itself is at stake.”*

– Dr Tim Flannery,

Principal Research Scientist

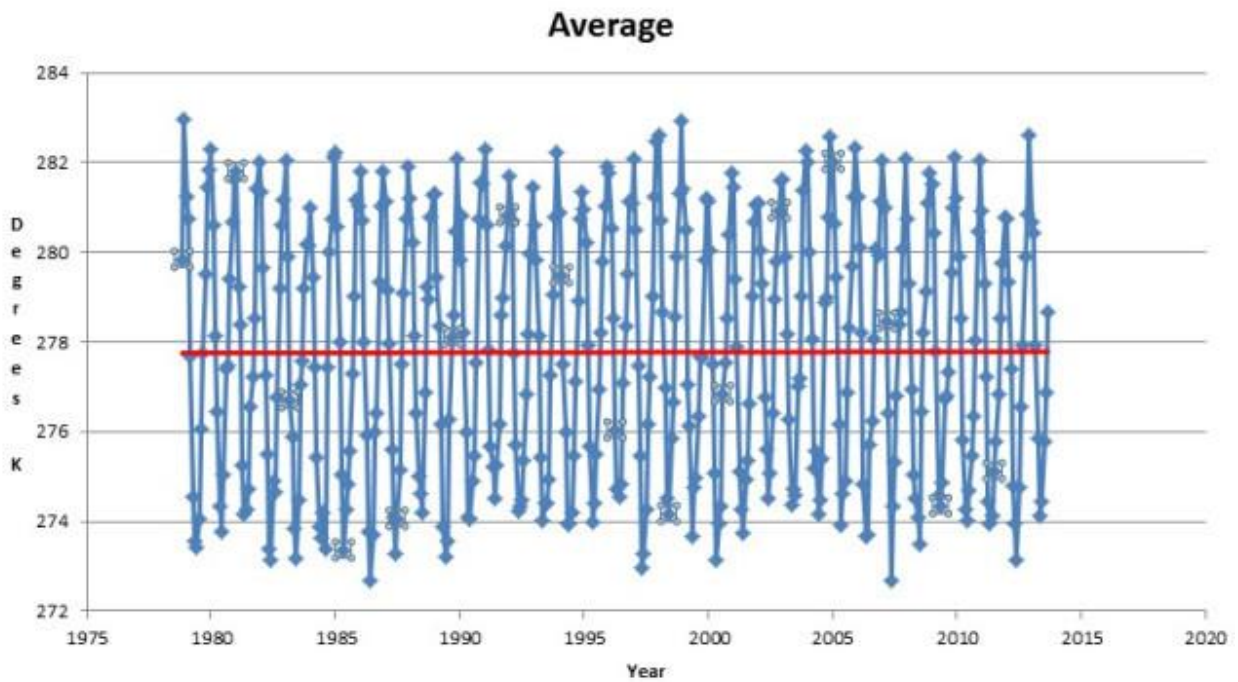
*“So even the rain that falls isn’t actually going to fill our dams and our river systems, and that’s a real worry for the people in the bush.”* –Tim Flannery,  
(fmr) AU Climate Commissioner

...

**RSS studies** the measurements made by 3 series of satellite-borne microwave sounders in order to construct long-term, climate-quality atmospheric temperature readings datasets for use by the scientific community.

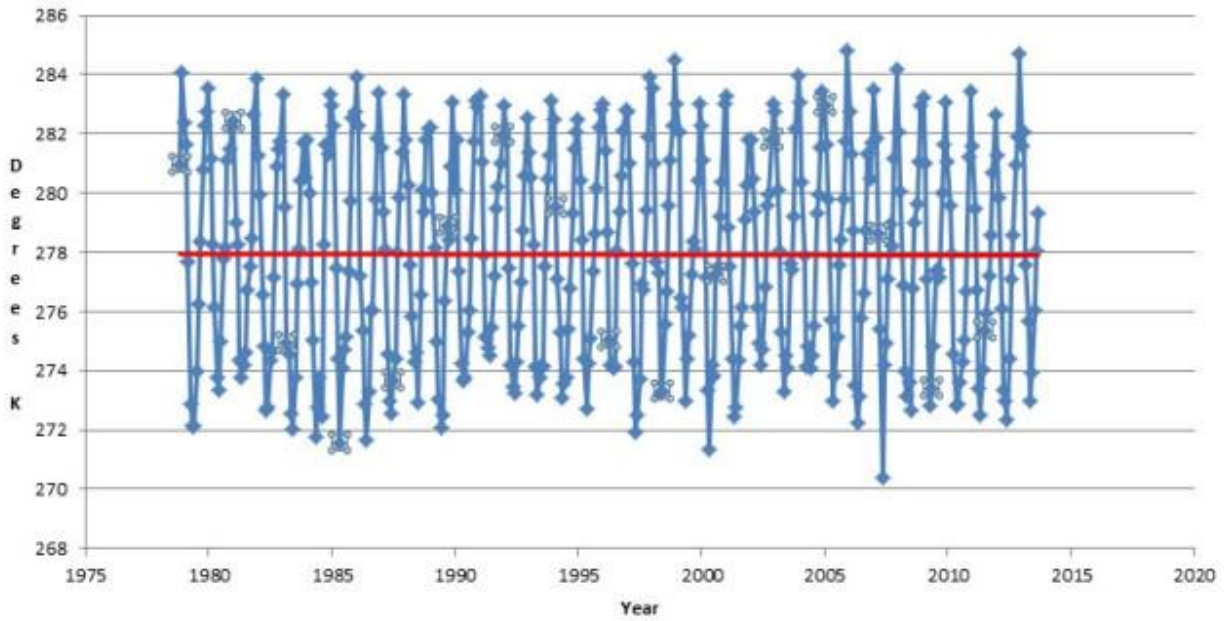
Thousands of measurements from these satellites criss cross the nation day and night covering every corner of the land (unaffected by UHI – Urban Heat Island effect) and this is what they show for Australia’s recent temperature history ...

RSS Shows No Warming In Australia :



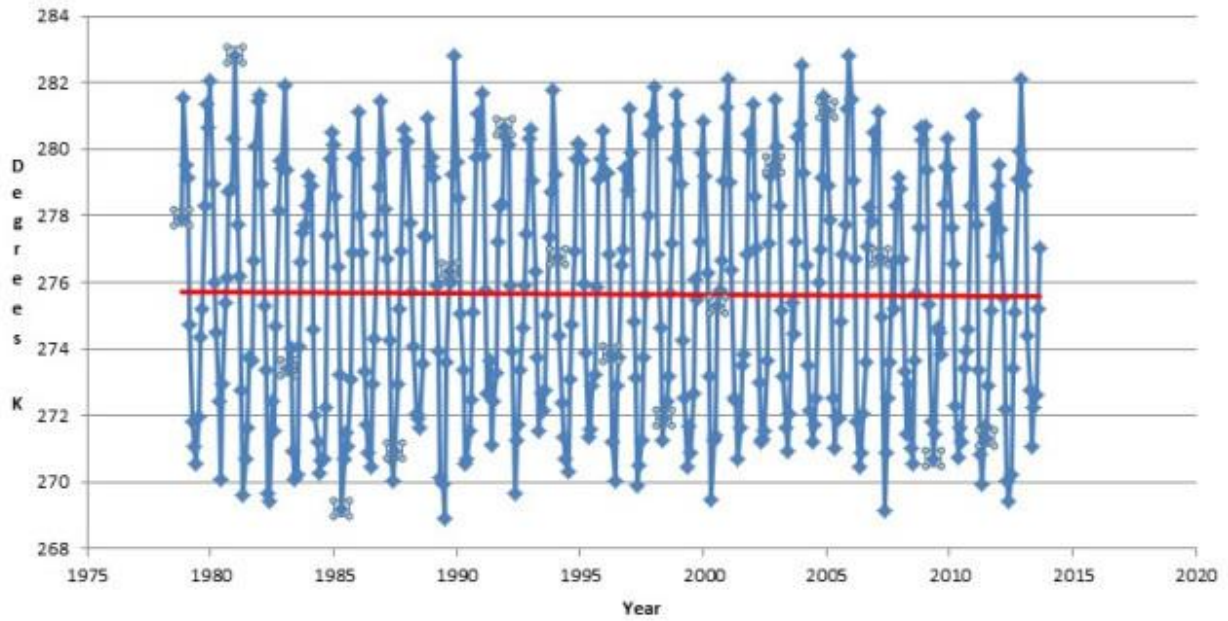
Center of Australia

**(-23.75, 133.75)**



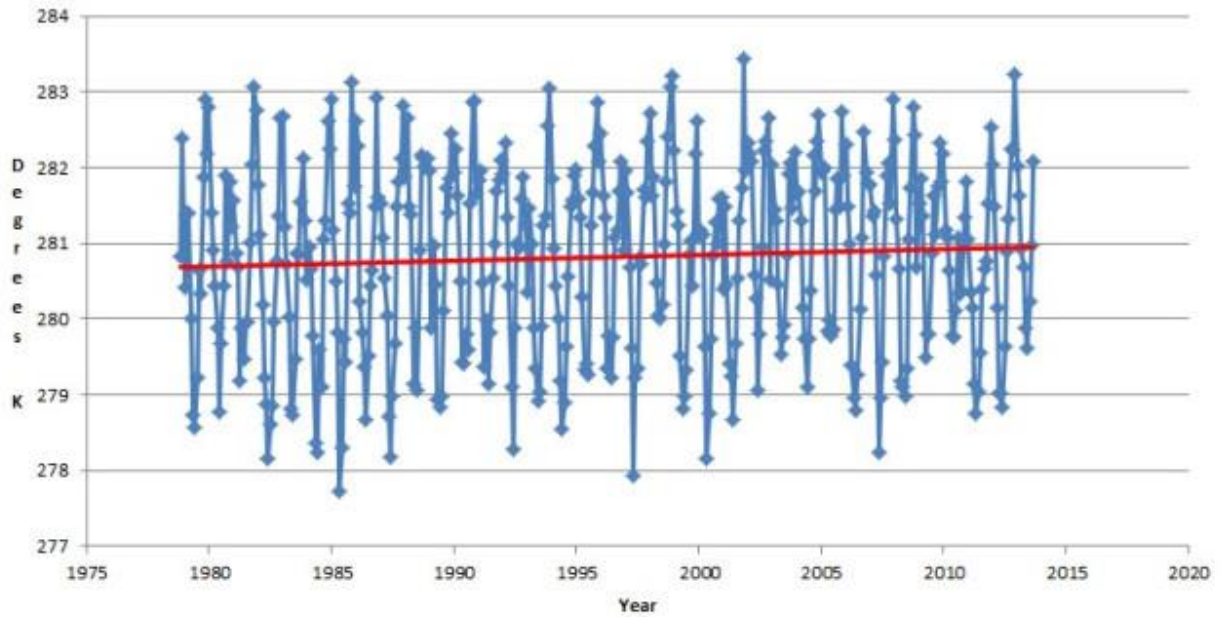
Southeast Queensland

**(-26.25, 146.25)**



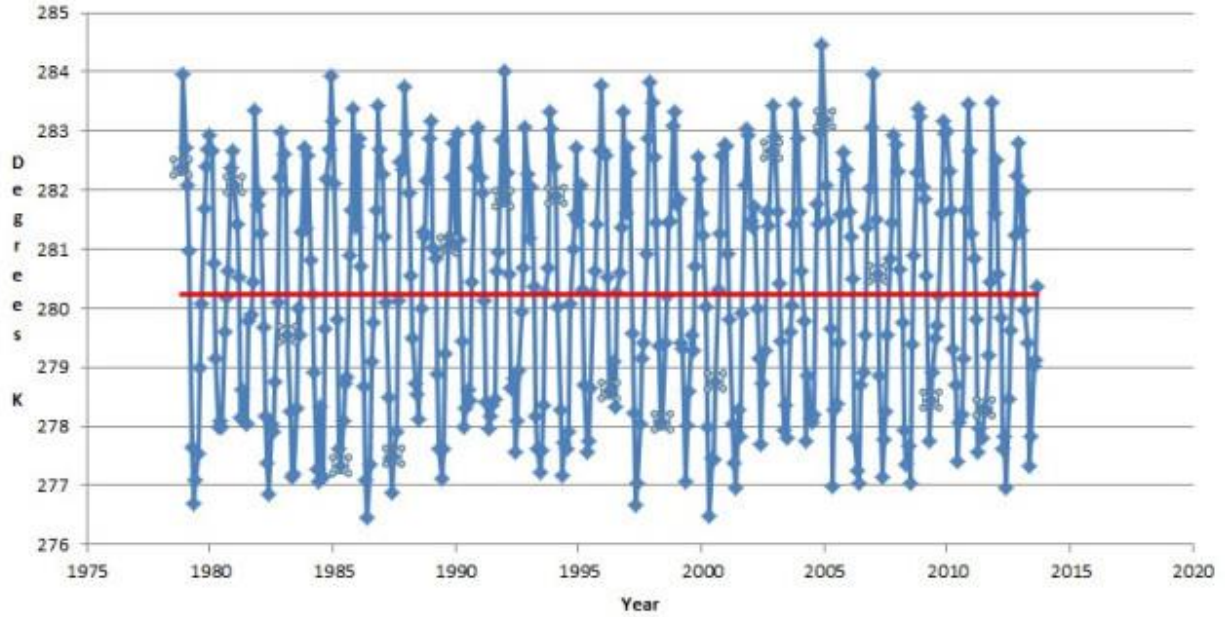
NT near Gulf of Carpentaria

**(-16.25, 136.25)**

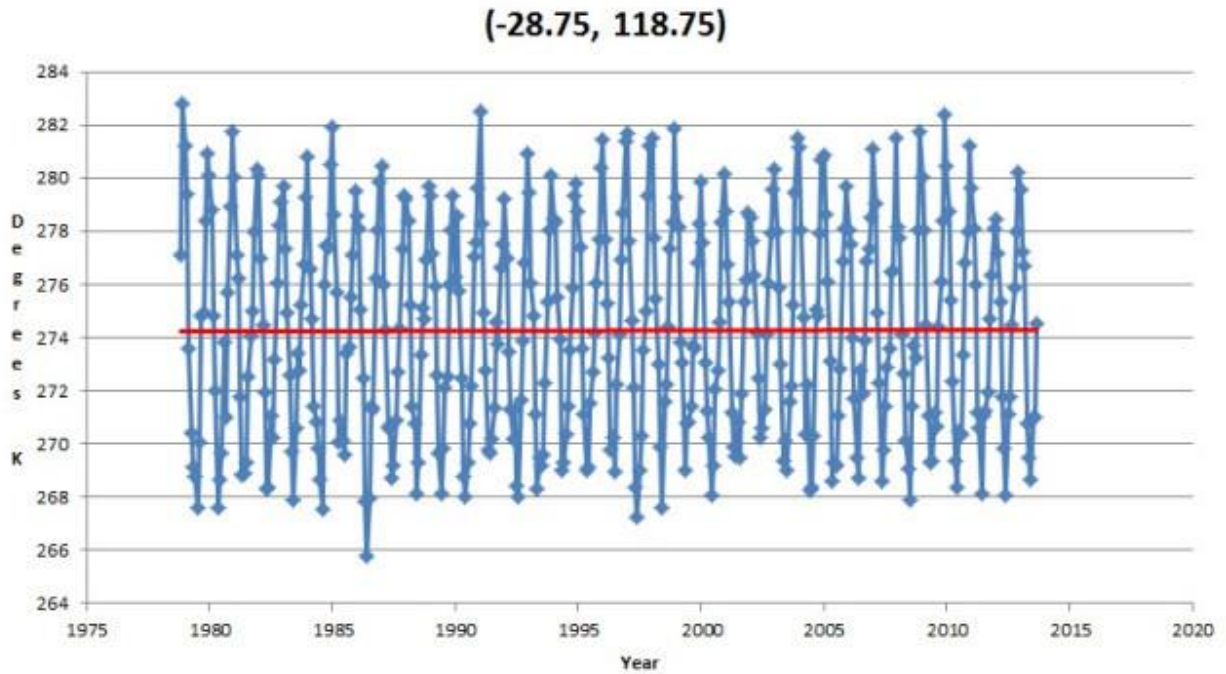


Northwest WA

**(-18.75, 123.75)**



Southwest WA



[ftp://ftp.remss.com/msu/data/netcdf/rss\\_tb\\_maps\\_ch\\_tlt\\_v3\\_3.nc](ftp://ftp.remss.com/msu/data/netcdf/rss_tb_maps_ch_tlt_v3_3.nc)

Re-Posted from ***Real Science*** Posted on ***November 5, 2013***





*A couple of herons are fishing in this Hancock County soybean field.*

## Excessive rainfall as damaging to corn yield as extreme heat, drought

May 6, 2019 [Crops](#), [Top Headlines](#) [Leave a comment](#)

Recent flooding in the Midwest has brought attention to the complex agricultural problems associated with too much rain. Data from the past three decades suggest that excessive rainfall can affect crop yield as much as excessive heat and drought. In a new study, an interdisciplinary team from the University of Illinois linked crop insurance, climate, soil and corn yield data from 1981 through 2016.

The study found that during some years, excessive rainfall reduced U.S. corn yield by as much as 34% relative to the expected yield. Data suggest that drought and excessive heat caused a yield loss of up to 37% during some years. The findings are published in the journal *Global Change Biology*.

“We linked county-level U.S. Department of Agriculture insurance data for corn loss with historical weather data, letting us quantify the impact of excessive rainfall on yield loss at a continental scale,” said [Kaiyu Guan](#), a [natural resources and environmental sciences](#) professor and the study’s principal investigator. “This was done using crop insurance indemnity data paired with rigorous statistical analysis — not modeled simulations — which let the numbers speak for themselves.”

The study found that the impact of excessive rainfall varies regionally.

“Heavy rainfall can decrease corn yield more in cooler areas and the effect is exacerbated even further in areas that have poor drainage,” said Yan Li, a former U. of I. postdoctoral researcher and lead author of the study.

Excessive rainfall can affect crop productivity in various ways, including direct physical damage, delayed planting and harvesting, restricted root growth, oxygen deficiency and nutrient loss, the researchers said.

“It is challenging to simulate the effects of excessive rainfall because of the vast amount of seemingly minor details,” Li said. “It is difficult to create a model based on the processes that occur after heavy rainfall — poor drainage due to small surface features, water table depth and various soil properties can lead to ponding of water in a crop field. Even though the ponding may take place over a small area, it could have a large effect on crop damage.”

Many climate change models predict that the U.S. Corn Belt region will continue to experience more intense rainfall events in the spring.

“This study shows that we have a lot of work to do to improve our models,” said [Evan DeLucia](#), the director of the [Institute for Sustainability, Energy and Environment](#), a professor of [integrative biology](#) and study co-author. “While drought and heat stress have been well dealt with in the existing models, excessive rainfall impacts on crop system are much less mature.”

Because of this, the researchers feel that it is urgent for the government and farmers to design better risk management plans to deal with the predicted climate scenarios.

“As rainfall becomes more extreme, crop insurance needs to evolve to better meet planting challenges faced by farmers,” said [Gary Schnitkey](#), a professor of [agricultural and consumer economics](#) and study co-author.

The USDA, National Institute of Food and Agriculture and the U.S. Department of Energy supported this study.





## MY COMMENT

Yes, this is a very useful analysis because excessive rainfall is the opposite of excessive heat as measured by temperatures. Recent research finds cloud cover not Co2 is the control knob of temperatures and solar radiation is the control knob of clouds and cosmic rays with or without sunspots are the prime variable for solar radiation. This science makes sense as we all see first-hand that cloudy and rainy weather is a cooler than dry and sunny days.

## Science News

*from research organizations*

# Excessive rainfall as damaging to corn yield as extreme heat, drought

April 30, 2019

*Date:*

University of Illinois at Urbana-Champaign, News Bureau

*Source:*

*Summary:*

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## FULL STORY

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**Story Source:**

[Materials](#) provided by [University of Illinois at Urbana-Champaign, News Bureau](#). *Note: Content may be edited for style and length.*

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## Journal Reference:

1. Yan Li, Kaiyu Guan, Gary D. Schnitkey, Evan DeLucia, Bin Peng. **Excessive rainfall leads to maize yield loss of a comparable magnitude to extreme drought in the United States.** *Global Change Biology*, 2019; DOI: [10.1111/gcb.14628](https://doi.org/10.1111/gcb.14628)
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<https://www.sciencedaily.com/releases/2019/04/190430121744.htm>

PRIMARY RESEARCH ARTICLE

**Open Access**

# Excessive rainfall leads to maize yield loss of a comparable magnitude to extreme drought in the United States

[Yan Li](#)

[Kaiyu Guan](#)

[Gary D. Schnitkey](#)

[Evan DeLucia](#)

[Bin Peng](#)

First published: 29 April 2019

<https://doi.org/10.1111/gcb.14628>

**Data Availability Statement::** All data used in this study are publicly available. The processed data needed to reproduce this study are available at Figshare (<https://doi.org/10.6084/m9.figshare.7581473>).

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**Abstract**

Increasing drought and extreme rainfall are major threats to maize production in the United States. However, compared to drought impact, the impact of excessive rainfall on crop yield remains unresolved. Here, we present observational evidence from crop yield and insurance data that excessive rainfall can reduce maize yield up to  $-34\%$  ( $-17 \pm 3\%$  on average) in the United States relative to the expected yield from the long-term trend, comparable to the up to  $-37\%$  loss by extreme drought ( $-32 \pm 2\%$  on average) from 1981 to 2016. Drought consistently decreases maize yield due to water deficiency and concurrent heat, with greater yield loss for rainfed maize in wetter areas. Excessive rainfall can have either negative or positive impact on crop yield, and its sign varies regionally. Excessive rainfall decreases maize yield significantly in cooler areas in conjunction with poorly drained soils, and such yield loss gets exacerbated under the condition of high pre-season soil water storage. Current process-based crop models cannot capture the yield loss from excessive rainfall and overestimate yield under wet conditions. Our results highlight the need for improved understanding and modeling of the excessive rainfall impact on crop yield.

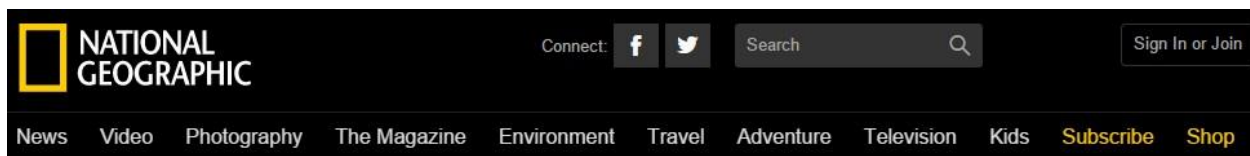
# Global Warming Causes Simultaneous British Droughts And Floods

Posted: June 22, 2015 | Author: [Jamie Spry](#) | Filed under: [Uncategorized](#) | [Leave a comment](#)



[Real Science](#)

On February 20, 2014 experts said that British floods are caused by global warming.



## British Floods, California Drought: A Connection?

[British Floods, California Drought: A Connection?](#)

Six weeks earlier, experts said that British droughts are caused by global warming.

## The Telegraph



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### Britain warned of more droughts caused by climate change and growing population

[Britain warned of more droughts caused by climate change and growing population – Telegraph](#)

However a mathematical analysis shows that the human produced carbon dioxide concentrations are so low as to be unmeasurable and there is no correlation to the increases in carbon dioxide and man's burning of fossil fuels. Plant life thrives on increased levels of carbon dioxide which in turn provides increased food production for animals and mankind. Satellite records show a significant "greening" of the Earth in terms of increased plant life.

<https://principia-scientific.org/climatic-effects-of-manmade-carbon-dioxide/#comment-25224>

## Climatic Effects Of Manmade Carbon Dioxide

*Published on August 13, 2019*

Written by Bud Bromley & Tom D. Tamarkin



**Abstract:** Carbon dioxide is the “gas of life” providing the carbon on which all plant and animal life on earth is based.

The IPCC and the anthropogenic climate change community have asserted that carbon dioxide or CO<sub>2</sub> is a pollutant because it enables global warming or climate change.



Computer models have been generated based on the unproven “Radiated Greenhouse Gas Emissions” theory which predicts catastrophic changes in the Earth’s climate leading to much future death and destruction.

No demonstrable, empirical evidence of this theory is available. No signs of anthropogenic climate change have been discovered. Yet the climate alarmist’s community has convinced elected leaders and policy makers to implement proposed solutions to prevent this hypothetical destruction. The proposed solution is the vast reduction of energy leading to enormous worldwide population reduction under the control of a single socialist worldwide government. Furthermore governments are implementing significant taxes on carbon dioxide. The IPCC and global warming community assert that mankind is responsible for a 33% increase in total atmospheric carbon dioxide concentration over the last forty years.

However a mathematical analysis shows that the human produced carbon dioxide concentrations are so low as to be unmeasurable and there is no correlation to the increases in carbon dioxide and man’s burning of fossil fuels. Plant life thrives on increased levels of carbon dioxide which in turn provides increased food production for animals and mankind. Satellite records show a significant “greening” of the Earth in terms of increased plant life.

### **Climatic Effects of Manmade Carbon Dioxide**

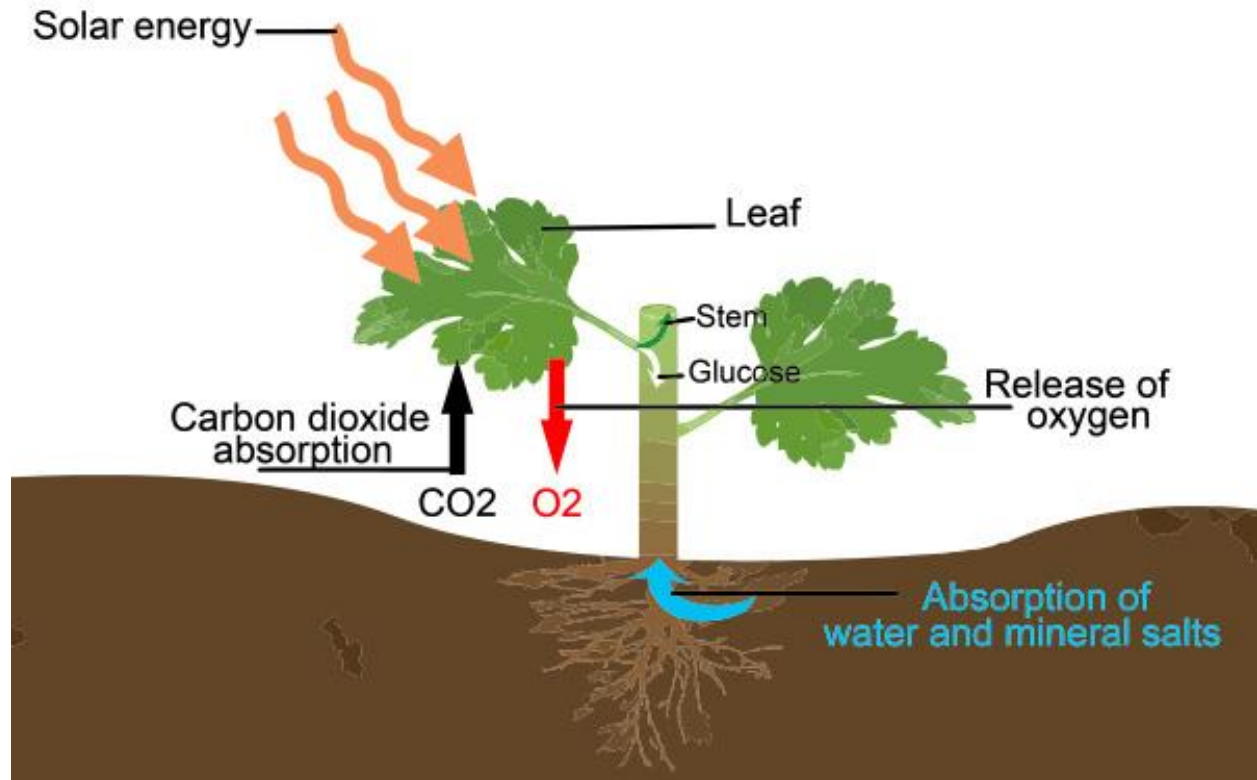
All human lifeforms on Earth...plant and animal...are carbon based. **Carbon** is a key component of all known life on Earth, representing approximately 45-50% of all dry biomass. Complex molecules are made up of **carbon** bonded with other elements, especially oxygen and hydrogen and frequently also with nitrogen, phosphorus and sulfur. Carbon dioxide or CO<sub>2</sub> is a naturally occurring compound consisting of carbon and oxygen atoms and is the gas of life. Carbon is exceedingly abundant on Earth.

[Research by Rice University](#) Earth scientists suggests that virtually all of Earth’s life-giving carbon came from a collision about 4.4 billion years ago between Earth and an embryonic planet similar to Mercury.

The most abundant [element in the human body](#) is oxygen, making up about 65% of the weight of each person. Carbon is the second most abundant element, making up 18% of the body. Although you have more hydrogen atoms than any other type of

element, the mass of a hydrogen atom is so much less than that of the other elements that its abundance comes in third, at 10% by mass.

Animals get carbon from eating plants as well as other animals who obtain carbon from plants. There are no carbon based vitamins or food supplements. Plants obtain virtually all their carbon from the air.



Air is mostly made of nitrogen, oxygen, argon, and carbon dioxide. Plants absorb carbon dioxide from the air. This carbon makes up most of the building materials that plants use to build new leaves, stems, and roots. The oxygen used to build glucose molecules is also from carbon dioxide. Energy to fuel the chemical reactions comes from sunlight and the process is referred to as photosynthesis.

Yet the IPCC, UN, many government funded laboratories & universities, and various other political bodies say carbon dioxide is a pollutant. In fact the United States Environmental Protection Agency included carbon dioxide in its 2015 Endangerment Ruling. Why? So government agencies could impose taxes on carbon dioxide. An example was the attempt to require all households to deploy carbon dioxide monitors so that the homeowners could be taxed for the CO<sub>2</sub> they generated from the use of natural gas and a derivative of electricity use. Even

Fannie Mae and Freddie Mack would have potentially benefited from these taxes and developed [plans to implement enforcement](#).

Why would these international and even U.S. governmental organizations embrace the deceptive and fraudulent concept of Anthropogenic Global Warming now conveniently called climate change?

- To impose new burdensome taxes on something all people use; energy.
- To advance socialists based one world government.
- To force a worldwide order of magnitude population reduction over the next few hundred years through the total elimination of inexpensive abundant energy required to sustain agricultural, transportation and advanced human lifestyles.

Anthropogenic Global Warming (AGW), now called climate change because the world is not warming, originated at the 1975 “The Atmosphere: Endangered and Endangering” conference, organized by anthropologist Margaret Mead, and Paul Erlich, author of the “Population Bomb.” In the early 1980s “The Club of Rome” [embraced the empirically unprovable “Radiated Greenhouse Gas Emissions” hypothesis](#) as a means to scare people into believing abundant inexpensive energy must be restricted because it creates catastrophic global warming. It has not and does not. Forty years of lower troposphere average global temperature readings show the Earth’s temperature has gone up and down by slightly less than +/- 0.75 degrees C.

Water vapor comprises 95% of all greenhouse gases. Carbon Dioxide is a trace gas. Manmade CO<sub>2</sub> can only be responsible for 0.117% of any warming from all combined greenhouse gas including water vapor. Most of the recent increases in atmospheric CO<sub>2</sub> concentration come from gasification of the oceans which is a function of temperature. Cold water dissolves more CO<sub>2</sub> than warm water. Temperature increases always precede CO<sub>2</sub> increases with a significant lag. The amount of “warming” enabled by manmade CO<sub>2</sub> is so low it is virtually unmeasurable.

A comparison of the atmospheric CO<sub>2</sub> concentrations from 1979 to 2018 shows no Pearson Correlation to temperature. However there is strong correlation to decreases in temperature caused by volcanic activity and increases in temperature caused by El Niño events, as shown in the chart below.



The Earth is over 4.6 billion years old. It has had an atmosphere for over 4.4 billion years. The composition of the atmosphere has changed many times due to natural causes and local climates have varied periodically over periods measured in thousands of years.

However it is unreasonable to study climate records for say 200 years and conclude man has an effect. Two hundred years is only  $4.5 \times 10^{-8}$  of the Earth's age.

What tools have the climate alarmists used to convince a mostly scientifically illiterate world population?

- Popular media stating that increased carbon dioxide levels result in increased temperatures while the fact of the matter is that increases in temperatures lead to increased carbon dioxide concentrations as evidenced by the well understood paleogenic records.
- Popular media claims that today's carbon dioxide levels are at a record high, while in fact over paleogenic time frames today's records are at near record lows.
- Popular media making false claims about extreme weather events and sea level rise without full disclosure and explanation of the facts.
- Manipulated data sets of temperature records and poor reporting stations both on land and at sea.
- False claims that the science is settled and 97% of scientists agree that additional CO<sub>2</sub> contributed by man is increasing the global average temperature. The media

never mentions things like the [31,487 American scientists](#)...9,029 of which have doctorate degrees...who signed a petition urging the U.S. government to reject the Kyoto AGW agreement.

- Use of computer models based on the false theories of greenhouse gases and temperature sensitivity with the intent to sell a catastrophic future based on events forecasted tens of years out, predicated on unproven theories and causal behaviors.

[We produced a chart](#) showing the Mauna Loa, HW Keeling CO<sub>2</sub> data and a forty year average global temperature based on the UAH6 satellite data base. There has been a 33% increase in atmospheric CO<sub>2</sub> from 1971 to present however there is there is no causal statistical correlation between CO<sub>2</sub> and temperature changes.

Although the IPCC and others claim that the recent 33% increase in atmospheric CO<sub>2</sub> is totally anthropogenic, that is manmade due to burning fossil fuels, there is no correlation between the CO<sub>2</sub> concentration levels and the rapidly increasing use of fossil fuels over the last 40 years.

However, when we overlaid a forty year time line of El Nino events on the same chart there is a pronounced correlation to temperature increases and specific El Nino events.

Next, we compared annual decreases in temperature with major volcanic eruptions producing very significant amounts of volcanic ash dissipated into the upper atmosphere. Again, there was a distinct correlation to decreases in annual average global temperature.

Now we have on one simple to understand chart the correlation of average annual global temperature and natural events causing annual increases and decreases in annual average global temperature.

The Earth has a natural built in thermostat and the dell of that thermostat maintains a remarkably consistent average annual global temperature given the fact that the Earth's heater, the Sun, is 93 million miles from the earth. Over the last 40 years, the annual average global temperature has had a +/-0.75 degree C variation.



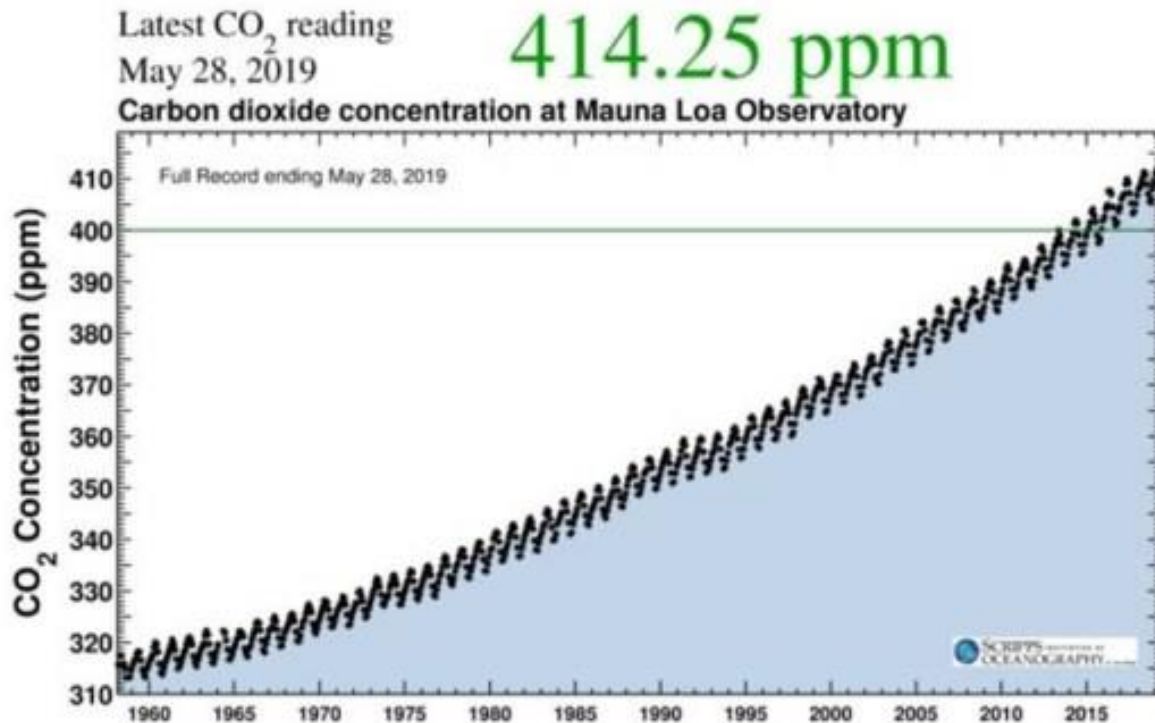
To further aid the scientifically lay population in the understanding of climate science and natural variations we have produced an extremely [detailed climate tutorial](#).

The combined worldwide consumer and taxpayer burden of the Climate Industrial Complex including that of the related Big Green Energy Scheme is over \$2 trillion USD annually.

Simple math can be used to calculate the rate of change of one variable versus another variable. The rate of change of one variable versus another is known as its slope or velocity, also known as its first derivative. The change in atmospheric carbon dioxide (CO<sub>2</sub>) concentration over a period of time is the slope of CO<sub>2</sub> concentration, or the first derivative of CO<sub>2</sub> concentration with respect to time. The change of slope with respect to time is the second derivative, also known as acceleration. We can use this simple math to calculate the change of atmospheric CO<sub>2</sub> concentration versus time, that is, the slope or 1<sup>st</sup> derivative of CO<sub>2</sub> concentration. And, we can also calculate the change in slope of CO<sub>2</sub> concentration versus time, that is, the second derivative of CO<sub>2</sub> concentration with respect to time, or the acceleration of CO<sub>2</sub> concentration. This simple math is the basis of this letter.

Decades ago, a professor named Keeling set up a laboratory on the Big Island of Hawaii at 11,000 feet altitude on the side of Mauna Loa. The instruments in this laboratory have been measuring atmospheric CO<sub>2</sub> concentration since then. These measurements show atmospheric CO<sub>2</sub> concentration has been steadily increasing since the instruments on Mauna Loa were installed. In other words, the laboratory provides us with the slope of atmospheric CO<sub>2</sub> concentration, which is also known as the first derivative of atmospheric CO<sub>2</sub> concentration with respect to time. Since CO<sub>2</sub> is generally accepted to be a well-mixed gas in air, the Mauna Loa data is generally accepted to represent the global average atmospheric CO<sub>2</sub> concentration.

Here is the graph from the Keeling laboratory on Mauna Loa.



In the data files underlying the above graphic, we have the raw data to calculate the change of atmospheric CO<sub>2</sub> concentration over time (the slope or first derivative) as well as the rate of change of slope over time (the second derivative with respect to time.)

In the graphic and raw data, we can see the increase and decrease in CO<sub>2</sub> levels due to seasonal changes. This seasonal change appears as jagged shark's teeth on the consistently upward sloping CO<sub>2</sub> concentration. In the spring and summer, when plants are growing and oceans are warming, CO<sub>2</sub> concentration increases slightly. In winter, when plants lose their leaves and algae die, and oceans cool, CO<sub>2</sub> concentration decreases slightly. The instruments in the lab on Mauna Loa and the Keeling graph are sensitive enough to record these relatively minor seasonal CO<sub>2</sub> concentration changes within the overall data and graph of changing CO<sub>2</sub> concentration over time. In other words, we can see the second derivative of CO<sub>2</sub> concentration, the change in slope with respect to time, in the graphic.

We know from other sources CO<sub>2</sub> concentration was increasing long before data collection began at the Mauna Loa Keeling lab. But, we do not need that information for the purpose of this short paper.



The Keeling graph reports 414 CO<sub>2</sub> molecules per 1,000,000 molecules of air in the earth's atmosphere, or 414 ppm, or 0.0414%. PPM is only one of several different possible measures of concentration. The [chemical composition of air](#) consists of nitrogen, oxygen, argon, water vapor and various trace gases as well as various aerosols held in suspension.. CO<sub>2</sub> is one of those trace molecules. Nitrogen comprises 78% of the gases in the atmosphere while Oxygen comprises 21% and Argon comprises 0.93%. Water vapor concentration in air is highly variable, from less than 1% to 4%. CO<sub>2</sub>, methane, ozone and the other gas molecules in air are known as trace molecules and all of these trace molecules taken together make up less than 1% of the molecules in a volume of air. A cubic meter volume of air at sea level is 99.9% empty space. Air is not dense compared to any liquid such as water where molecules are so closely packed together that they are in physical contact and can share electrons and conduct heat among them.

The 414 ppm or 0.0414% concentration of CO<sub>2</sub> in air represents the **net sum** of all CO<sub>2</sub> absorption and desorption events on earth. It is the sum of trillions of events which are occurring every second.

For example, the oceans in the far north and in the far south are absorbing CO<sub>2</sub> because cold water absorbs and holds more CO<sub>2</sub> than warm water, like a cold soda pop keeping its CO<sub>2</sub> bubbles. Another example is the absorption of enormous amounts of CO<sub>2</sub> from the air by all green plants. All green plants use CO<sub>2</sub> from the air along with water and sunlight in a process called photosynthesis which converts CO<sub>2</sub> into carbohydrate molecules.

Sugars are a group of common carbohydrate molecules. Carbohydrate molecules are the building blocks for all plant cells. Animals, insects, fish, humans, all life on earth is based on carbohydrate molecules in cells which are made by green plants from carbon, water and sunlight. Animals, insects, fish etc. eat plants, then those plants are in turn eaten by other animals, insects, fish, humans and so on in a continuous process called the food chain.

Another example of an enormous and ongoing change in CO<sub>2</sub> that contributes to the [net atmospheric CO<sub>2</sub> concentration](#) is methane (CH<sub>4</sub>) emissions. Methane is continuously emitted by warm water, just as is CO<sub>2</sub>, and is continuously absorbed by cold water, just as is CO<sub>2</sub>. About 50 to 60 times more CO<sub>2</sub> molecules are dissolved in the water of earth's oceans compared to earth's air. This ratio, expressed as a partition co-efficient, is determined by [Henry's Law](#). It is a constant of nature. It's neither a theory nor a hypothesis, it is a scientific law that

is more proven and far better understood than gravity. Henry's Law determines the ratio partition of a gas between liquid water and the gas above the liquid water.

Henry's Law is dependent on the pressure of the gas, the temperature of the gas and water, and to a minor extent, the minerals like salt in the water. Since air pressure at sea level is nearly constant, the primary determinant of the amount of CO<sub>2</sub> in air is the temperature of ocean water. Oceans are like your soda pop. If the soda pop is cold, then the CO<sub>2</sub> bubbles stay in the pop. If the soda pop warms, the pop loses its CO<sub>2</sub> bubbles. As mentioned, determined by Henry's Law, there is 50 to 60 times more CO<sub>2</sub> in the oceans than in the atmosphere.

Warm ocean water emits huge amounts of CO<sub>2</sub> and methane which contribute to the *net atmospheric CO<sub>2</sub> concentration* reported in the Keeling Mauna Loa data. The largest source (by orders of magnitude) of CO<sub>2</sub> and methane in the air is the emission of these molecules by warm water in oceans and soils. CO<sub>2</sub> and methane are absorbed back into cold water in amounts also determined by Henry's Law, which also is a component of the *net atmospheric CO<sub>2</sub> concentration* reported in the *Keeling Mauna Loa data*.

# Mauna Loa Volcano



Chemists know that methane ( $\text{CH}_4$ ) released into the open air at the average temperature and air pressure at sea level converts spontaneously (oxidizes) to  $\text{CO}_2$  and  $\text{H}_2\text{O}$  when in the presence of a gaseous molecule such as chlorine. On average, a  $\text{CH}_4$  molecule in air will be oxidized to yield a  $\text{CO}_2$  molecule and a  $\text{H}_2\text{O}$  molecule within 8 years, a natural process occurring continuously.

Chlorine is found naturally near the surface of warm salty ocean water. Oceans cover more than 70% of the earth's surface. Like  $\text{CO}_2$ , most methane is emitted from warm ocean water. Secondly, methane is emitted from the natural breakdown of plant material in soil. In other words, methane emitted by warm ocean water and soil is also a huge source of  $\text{CO}_2$  in the earth's atmosphere and is a component of the *net atmospheric  $\text{CO}_2$  concentration* reported in the Keeling Mauna Loa data.

Thus, the slope (or first derivative) of *net atmospheric  $\text{CO}_2$  concentration* which we see in the above Keeling curve is determined mostly by Henry's Law which is determined mostly by the temperature of the oceans. The warming oceans since

the end of the last ice age are the dominant source of *net atmospheric CO<sub>2</sub> concentration*.

Summarizing so far, we have a huge amount of absorption of CO<sub>2</sub> by nature and a huge amount of emission of CO<sub>2</sub> by nature. The net sum of all these absorption and emission events appears as the upward sloping line of the *net atmospheric CO<sub>2</sub> concentration* as measured by the instruments on Mauna Loa and displayed in the graphic above.

Now we must address human-produced CO<sub>2</sub>. Most human-produced CO<sub>2</sub> results from burning methane, propane, butane, gasoline, kerosene, jet fuels, oil, and coal. We commonly lump these together and call them fossil fuels. An additional *major source of human-produced CO<sub>2</sub>* is the production of cement.

Government agencies, academia and industry scientists estimate that CO<sub>2</sub> emissions from humans burning fossil fuels increased by *300% (approximately 15% per year) since the year 2000*. Measured in millions of tons of CO<sub>2</sub> or carbon, this appears to be a large amount and a large increase. It is calculated based on the CO<sub>2</sub> emitted by burning an amount of fossil fuel. It is not a measurement of CO<sub>2</sub> in the atmosphere. Statistically or visibly examining the slope (first derivative) or examining the rate of change of slope (second derivative) of *net atmospheric CO<sub>2</sub> concentration* in the Keeling data, this apparently large amount of human-produced CO<sub>2</sub> since 2000 is not detectable as a change in the first or second derivative. There are no ‘shark’s teeth’ or other peaks or anomalies caused by the surge in human CO<sub>2</sub> emissions; there are no detectable changes in first or second derivative due to the emission of this apparently large amount of human-produced CO<sub>2</sub> which has been emitted into the atmosphere in the relatively short period of time since year 2000.

The emissions of human-produced CO<sub>2</sub> are so tiny compared to the *net atmospheric CO<sub>2</sub> concentration* that the human-produced emissions cannot be measured or detected as a change in *net atmospheric CO<sub>2</sub> concentration*, nor a change in the rate of change of *net atmospheric CO<sub>2</sub> concentration*. In science and statistics, we say that the human-produced CO<sub>2</sub> is statistically insignificant with regard to the *net atmospheric CO<sub>2</sub> concentration*. The human contribution of CO<sub>2</sub> to the net CO<sub>2</sub> flux cannot be differentiated from random noise in the measurement of the very much larger *net atmospheric CO<sub>2</sub> concentration*.

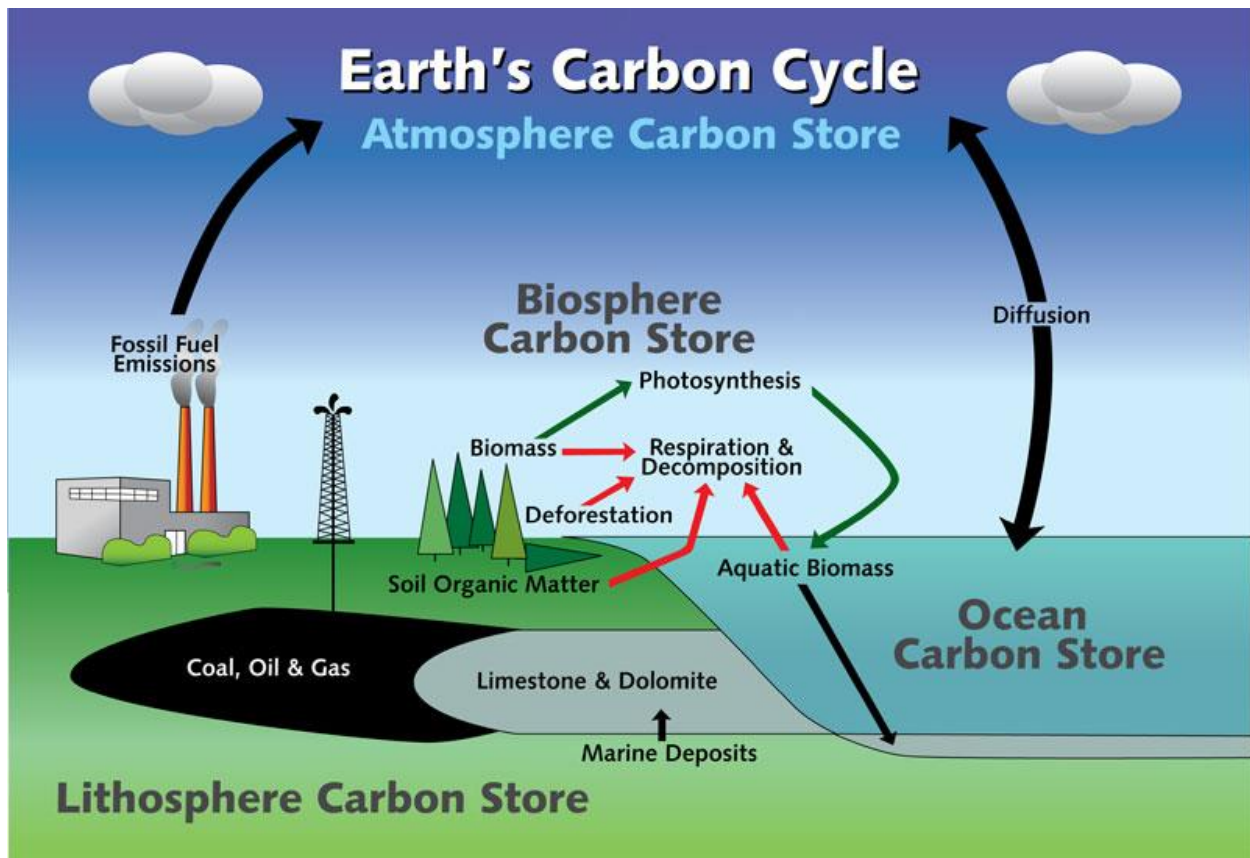
Therefore, human-produced CO<sub>2</sub> has no measurable effect on our environment or on Earth’s temperature or on global warming or on global cooling.

Accordingly, it logically follows that humans could not change the planet's temperature by either increasing or decreasing the amount of CO<sub>2</sub> in the air. If humans stopped using all fossil fuels and even stopped breathing, there would be no detectable change in the net CO<sub>2</sub> concentration in the air. The planet will warm, or the planet will cool, or the planet's temperature will be flat as an average, climate will change, but in any case, human-produced CO<sub>2</sub> does not significantly contribute. It is very important to understand that point.

Therefore, everything else regarding anthropogenic "greenhouse gases" and so-called anthropogenic global warming or anthropogenic climate change is a purely academic subject. Interesting to some people, but none the less an academic subject. Hundreds of computer models have been developed costing many millions of dollars to calculate "greenhouse" warming due to anthropogenic CO<sub>2</sub> (including the burning of fossil fuels, the volume of cow flatulence, the eating of meat, etc.), but all of these are purely academic subjects for discussion and study. They have no measurable effect on Earth's climate.

Professor Dr. D J Easterbrook BSc, MSc, Ph.D. Prof Emeritus Geology, Western Washington University pointed out in 2015 that "CO<sub>2</sub> is not the "greenhouse effect." AGW CO<sub>2</sub> is adding 0.0000000006342 watts/m<sup>2</sup> (joules/second.)" This is a calculation only. There is no method to actually measure such a small amount of energy. "Water Vapor is 90-95% of the "greenhouse effect.""

Regarding methane (CH<sub>4</sub>) as a "greenhouse gas," on a molecule by molecule comparison between CO<sub>2</sub> and CH<sub>4</sub>, CH<sub>4</sub> absorbs about 80 times more infrared radiation during a 20-year period than CO<sub>2</sub>. But, on the other hand, CO<sub>2</sub> concentration is two orders of magnitude more than CH<sub>4</sub> concentration. And, the reason for this, as explained earlier, is that the methane spontaneously oxidizes to CO<sub>2</sub> and H<sub>2</sub>O in the open air. The amount of infrared absorption by a gas is determined by Beer's Law, which specifies that amount of infrared radiation absorbed is linearly proportional to the concentration of the gas. Thus, CO<sub>2</sub> absorbs far more infrared radiation than CH<sub>4</sub>, and water vapor – which is about 100 times higher concentration than CO<sub>2</sub> – absorbs far more infrared radiation than CO<sub>2</sub>. Obviously, humans have no means to control water vapor.



Another part of the Earth's carbon cycle is worth mentioning again. The slope of net atmospheric CO<sub>2</sub> concentration in the air has been consistent since the end of the last ice age. Net atmospheric CO<sub>2</sub> concentration has been increasing. Henry's Law says that 50 to 60 times more CO<sub>2</sub> is dissolved in the oceans than in the air. Logically that implies that the amount of CO<sub>2</sub> in the oceans is now and has been decreasing since the end of the last ice age. So, what happens to the CO<sub>2</sub> that is dissolved in the oceans?

This is a major part of the earth's carbon cycle. CO<sub>2</sub> dissolved in water is a weak acid. This weak acid reacts with calcium (for example but also other minerals,) which is dissolved in ocean water. There is far more calcium on earth and dissolved in the oceans than the total amount carbon in all its forms on earth. There is enough calcium in ocean water to chemically combine with all of the carbon that exists on earth. Aquatic chemists describe this as oceans being an infinite sink for carbon. This weakly acidic form of carbon dioxide in water combines with calcium in water to form limestone, also known as calcium carbonate, or CaCO<sub>3</sub>.

Limestone is a solid which settles in water to become sediment on the floor of oceans and seas. Over years of sedimentation, the limestone is compressed by more and more sediment and becomes rock, or it could be incorporated by mollusks and small sea life into their shells and skeletons.

Humans harvest limestone to make buildings and floors. We also burn limestone at high temperature, which is how cement is produced. Burning of limestone to produce cement releases CO<sub>2</sub> back into the atmosphere where once again it can be absorbed by plants to start the carbon cycle again. The other way limestone releases CO<sub>2</sub> back into the air is by the high heat from volcanoes, fissures in the earth and similar tectonic events.

There are perhaps thousands of these events continually occurring on land and on the ocean floor, a process which has been occurring continuously for billions of years. The CO<sub>2</sub> emitted from tectonic heating of limestone contributes to the *net atmospheric CO<sub>2</sub> concentration* we see in the Keeling Mauna Loa data. These tectonic processes are *orders of magnitude* larger than anything humans could do.

In another part of the carbon cycle, enormous amounts of methane (CH<sub>4</sub>) are formed on the continental shelves in the ocean in a chemical complex with water and a mineral. It is slurry similar to mud, which, if you bring it to the surface, can be lit with a match. The amount of CH<sub>4</sub> in this slurry and silt on the floor of the oceans is far larger than the total amount of oil ever discovered, perhaps larger by three orders of magnitude.

Where does it come from?

This methane is the product of slow and continuous degradation of the carbohydrate molecules in the cells of every living thing. When the cells die and are digested down through the food chain by one animal, insect, fish, human, bacteria after another, when it is rotted, then methane remains. When the molecular bonds in the carbohydrate polymer molecule are broken, the eventual result is methane and water. Rain and rivers eventually carry that CH<sub>4</sub> into the oceans, or else it is emitted into the air and oxidized to CO<sub>2</sub> as previously described. This degradation process and the food chain described earlier are part of what is known as the earth's carbon cycle.

The slurry complex is known as methane clathrate or methane hydrate. In places around the world there are pools of clathrates that are kilometers thick or slowly flowing down the walls of canyons in the oceans. Near the boundaries of

continents and oceanic plates, deep under the oceans, are subduction zones where the plates of ocean floor meet the continents and are pressed (subducted) beneath the continental shelves.

Clathrate slurries of methane are subducted beneath the continents along with the oceanic plate. In a very slow process taking millions of years but occurring continuously for billions of years, methane under heat, pressure and containment is reformed into longer and more complex hydrocarbons. The  $\text{CH}_4$  forms bonds with other  $\text{CH}_4$  and larger hydrocarbon molecules are created. This is the reason we will continue to find more gas and oil and the reason we find gas and oil miles beneath the continents and ocean floor where life has never existed.

The movement of the oceanic plates and continents has been as is today creating oil from the continuously dying and rotting cells of living matter, the slow and continuous breakdown of carbohydrate molecules that were originally created by plants absorbing  $\text{CO}_2$  from the air.

In summary, the human contribution to the *net atmospheric  $\text{CO}_2$  concentration* and to the temperature of the earth is trivial and statistically insignificant; negligible and of academic interest only. How insignificant? As an example, let's say that the earth was cooling, and humans decided to warm the oceans in order to warm the air. Water is denser than air, so water retains heat better than air. The heat content of the oceans is about 3 orders of magnitude greater than the atmosphere,  $5.6 \times 10^{24}$  compared to  $5 \times 10^{21}$  Joules/degree Kelvin.

If we calculate or look up on a website the total power output of all of the power facilities of all kinds on earth, and then assume we will use all of that power to heat the oceans and do nothing else with that power, it would take about 10,000 years to raise the temperature of the oceans by a mere one degree centigrade. That is how insignificant the human contribution would be.

However, working to make engines better and fossil fuels burn as efficiently as possible will make our lives more pleasant. But it is not  $\text{CO}_2$  that is dirty, or polluting. As explained above,  $\text{CO}_2$  is plant food and necessary for life on this planet. More  $\text{CO}_2$  is better. But inefficiently or partially burned fossil fuels release hydrocarbons like benzenes into the air which are not good; this is true air pollution. Reducing real hydrocarbon pollution from inefficient fuel mixtures and inefficient engines is the engineering and chemistry challenge for humans. Attempts and costs to remove or reduce human-produced  $\text{CO}_2$  are wasted effort and money.



Another real problem is plastics that have been designed to be non-bio-degradable or non-recyclable. They are ugly to look at, problematic garbage, and destructive for sea life, birds, insects, etc. Ultimately, these poorly designed plastic products are harmful to the environment and delay the carbon cycle. But these materials too will eventually break down over long periods of time and release CO<sub>2</sub> into the air so that it can feed plants. Bio-degradable plastics are sensible.



As we are discussing the purely academic subject of AGW, there are a few other points worth noting.

Antarctica and Greenland are currently accumulating ice mass, not losing ice mass. The peninsula of Antarctica that points north toward Argentina has been warming due to sub-ice and sub-sea volcanic activity. That area has been losing ice on land and sea, but in the last few years, overall the Antarctica continent a net increase of ice on land is observed. The ice mass gained on land exceeds the ice mass lost on land. The ice mass on land is increasing and becoming thicker. The weight of that ice is causing an increase in glacial calving at the coastlines. And all of this is also observed in Greenland.

Once again, we come back to slope. The rate of change in sea level (i.e. the slope) has not changed. That is, the second derivative of sea level has not changed. Sea level has been increasing (i.e., the slope or first derivative has been positive) since the end of the last ice age; at that time sea level was perhaps 400 feet below today's sea level. However, if ice continues to accumulate on land, or if ice mass begins to decrease on land, then we will see a change in the slope of sea levels, (i.e. a change in second derivative of sea level with respect to time.) So far, there has been no detectable change in slope of sea level. Sea level has been very slowly rising.

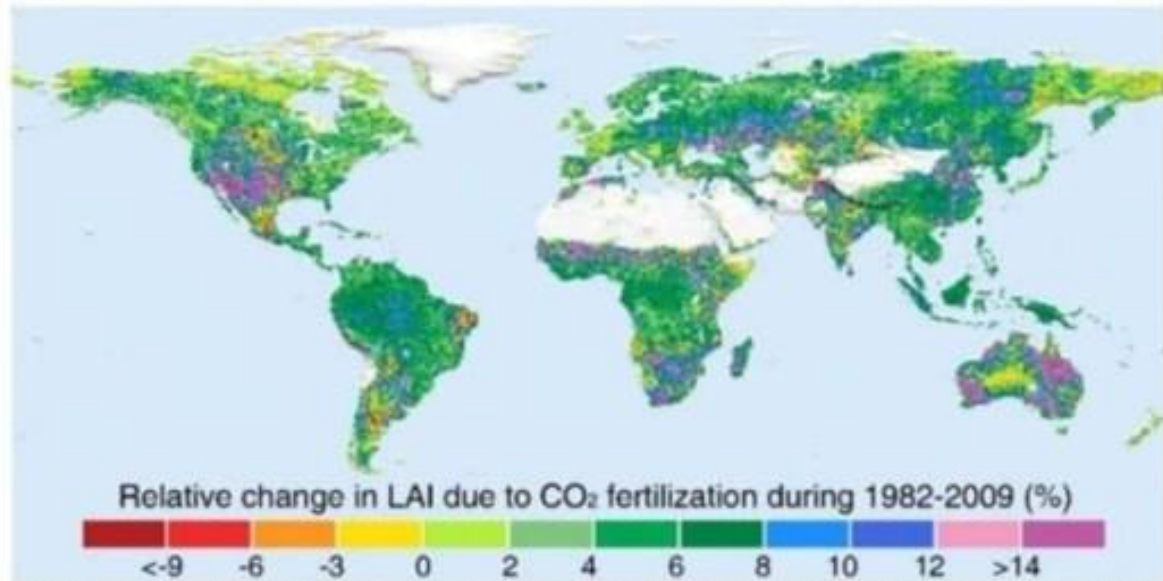
Ice floating in the oceans or floating in lakes, so called sea ice, does not affect sea level.

Multiple studies by NASA and others show that the earth is becoming greener as the net atmospheric CO<sub>2</sub> concentration has increased. Many science studies, and databases of studies, show that more CO<sub>2</sub> and more warming increases the growth of green plants in forests, in grains and other foods, etc. See graphic below. The human contribution is trivial. But we can all hope that CO<sub>2</sub> continues to increase and that temperatures stay flat or once again begin a slow warming trend. Average global temperature has been essentially flat (zero slope) for about 20 years now.

The only way carbon gets into plants and thus into animals, insects, fish, humans etc. is when the plants absorb CO<sub>2</sub> from the air for photosynthesis. When plants use CO<sub>2</sub> to make carbohydrate molecules, they produce oxygen as a byproduct. Humans and most other non-plant life survive on the oxygen which is produced as a by-product of plant photosynthesis. Higher net atmospheric CO<sub>2</sub> concentration results in more plant growth. Lower CO<sub>2</sub> concentration results less plant growth, which also implies less food and a less green earth.

We now have over 35 years of Landsat satellite imagery showing that a positive (increasing) slope of atmospheric CO<sub>2</sub> concentration is greening our planet. Plant life is flourishing.

Could one hope for anything more promising than this? Quite the opposite of what the world's climate alarmists contend *should* be happening to Earth's vegetation, rising atmospheric CO<sub>2</sub> enrichment is proving to be a tremendous *biospheric benefit*, overpowering the many real and negative influences that society and nature have inflicted upon it over the past three decades, as shown in the figure below.



**Figure 1.** Spatial pattern of relative change of LAI due to CO<sub>2</sub> fertilization during 1982 to 2009. The relative change of LAI in each pixel is derived from the ratio of the increment of LAI driven by elevated atmospheric CO<sub>2</sub> to the 28-year average value of LAI simulated by model ensemble mean under scenario S1. Source: Figure S12, supplementary information from Zhu et al. (2016)

Finally, satellites measuring infrared radiation emitted from earth's upper atmosphere into outer space are reporting that infrared radiation from earth to outer space is currently decreasing (i.e. the slope or first derivative is negative.) That means that the earth is receiving less energy from the sun and is therefore emitting less energy into outer space.

In other words, the earth is presently cooling. It may take years before we perceive or measure this cooling down on earth's surface due to the insulating effect of the oceans and atmosphere. The oceans especially act as an enormous insulator, far more than the atmosphere, delaying radiation of energy from the surface back into outer space.

Once again, the impact of human activity on climate change, while purely academic, is interesting to study, but, as you can see from the information provided above, the actions of humans with regard to CO<sub>2</sub> emissions will have no

measurable impact on global warming or global cooling. Probably the most significant thing we can do is to plant more forests and stop cutting rainforests.



### JAMES MATKIN

August 15, 2019 at 12:35 am | <#>

This article is an excellent summary of why there is no human made global warming for governments to vainly try to stop. Think about it, we live in the Quaternary Ice Age Holocene Optimum interglacial why do we not welcome global warming to save us from the next devastating glaciation? Yes, Co2 is only a trace gas impossible physically to cover the earth like a greenhouse because.....”a mathematical analysis shows that the human produced carbon dioxide concentrations are so low as to be unmeasurable and there is no correlation to the increases in carbon dioxide and man’s burning of fossil fuels.”

In the 1995 2nd Assessment Report of the UN IPCC the scientists included these

three statements in the draft:

1. “None of the studies cited above has shown clear evidence that we can attribute the observed (climate) changes to the specific cause of increases in greenhouse gases.”
2. “No study to date has positively attributed all or part (of observed climate change) to anthropogenic (i.e. man-made) causes.”
3. “Any claims of positive detection of significant climate change are likely to remain controversial until uncertainties in the natural variability of the climate system are reduced.”

Those three statements by ‘scientists’ above were replaced by non scientists with this political swindle:

“The balance of evidence suggests a discernable human influence on global climate.”

This story explains why the warmists want no debate falsely claiming the science is settled.

“The HOLOCENE OPTIMUM is called an “optimum” because it was warmer than it is now. Since that best of times, temperature has been falling by 0.25°C per thousand years and water has become locked up in the ice sheets, causing sea level to fall. Which is what happening before we plunge into a glaciation.” Resilience is the only plan as the earth is cooling.

<https://principia-scientific.org/climatic-effects-of-manmade-carbon-dioxide/#comment-25233>

The fiddling with temperature data is the biggest science scandal ever

## New data shows that the “vanishing” of polar ice is not the result of runaway global warming



The “vanishing” of polar ice (and the polar bears) has become a poster-child for warmists. Photo: ALAMY



By [Christopher Booker](#)

10:15PM GMT 07 Feb 2015

When future generations look back on the global-warming scare of the past 30 years, nothing will shock them more than the extent to which the official temperature records – on which the entire panic ultimately rested – were systematically “adjusted” to show the Earth as having warmed much more than the actual data justified.

Two weeks ago, under the headline [“How we are being tricked by flawed data on global warming”](#), I wrote about Paul Homewood, who, on his [Notalotofpeopleknowthat](#) blog, had checked the published temperature graphs for three weather stations in Paraguay against the temperatures that had originally been recorded. In each instance, the actual trend of 60

years of data had been dramatically reversed, so that a cooling trend was changed to one that showed a marked warming.

This was only the latest of many examples of a practice long recognised by expert observers around the world – one that raises an ever larger question mark over the entire official surface-temperature record.

Watch: Climate change explained in 60 second animation

Following my last article, Homewood checked a swathe of other South American weather stations around the original three. In each case he found the same suspicious one-way “adjustments”. First these were made by the US government’s Global Historical Climate Network (GHCN). They were then amplified by two of the main official surface records, the Goddard Institute for Space Studies (Giss) and the National Climate Data Center (NCDC), which use the warming trends to estimate temperatures across the vast regions of the Earth where no measurements are taken. Yet these are the very records on which scientists and politicians rely for their belief in “global warming”.

Related Articles



- [Barack Obama's personal battle against climate change](#)

23 Jan 2015

- [Rise in sea levels is 'faster than we thought'](#)

14 Jan 2015

Homewood has now turned his attention to the weather stations across much of the Arctic, between Canada (51 degrees W) and the heart of Siberia (87 degrees E). Again, in nearly every case, the same one-way adjustments have been made, to show warming up to 1 degree C or more higher than was indicated by the data that was actually recorded. This has surprised no one more than Traust Jonsson, who was long in charge of climate research for the Iceland met office (and with whom Homewood has

been in touch). Jonsson was amazed to see how the new version completely “disappears” Iceland’s “sea ice years” around 1970, when a period of extreme cooling almost devastated his country’s economy. One of the first examples of these “adjustments” was exposed in 2007 by the statistician Steve McIntyre, when he discovered a paper published in 1987 by James Hansen, the scientist (later turned fanatical climate activist) who for many years ran Giss. Hansen’s original graph showed temperatures in the Arctic as having been much higher around 1940 than at any time since. But as Homewood reveals in his blog post, “Temperature adjustments transform Arctic history”, Giss has turned this upside down. Arctic temperatures from that time have been lowered so much that that they are now dwarfed by those of the past 20 years. Homewood’s interest in the Arctic is partly because the “vanishing” of its polar ice (and the polar bears) has become such a poster-child for those trying to persuade us that we are threatened by runaway warming. But he chose that particular stretch of the Arctic because it is where ice is affected by warmer water brought in by cyclical shifts in a major Atlantic current – this last peaked at just the time 75 years ago when Arctic ice retreated even further than it has done recently. The ice-melt is not caused by rising global temperatures at all. Of much more serious significance, however, is the way this wholesale manipulation of the official temperature record – for reasons GHCN and Giss have never plausibly explained – has become the real elephant in the room of the greatest and most costly scare the world has known. This really does begin to look like one of the greatest scientific scandals of all time.



# 1984 is upon us

November 28, 2018 by Robert

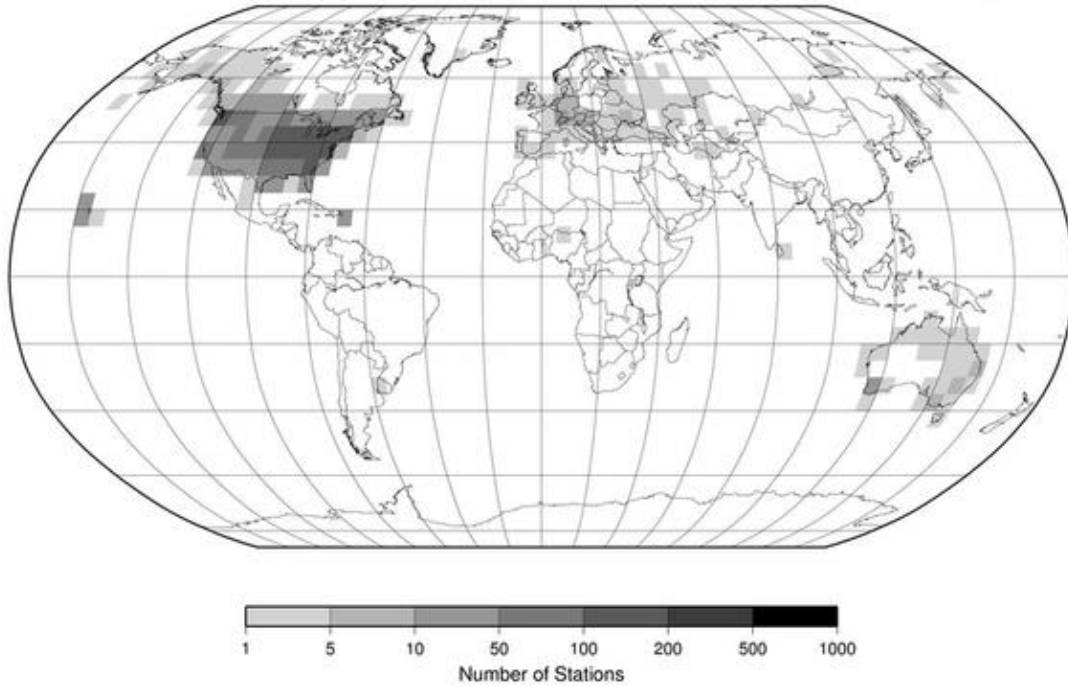
Warming is cooling. Snow is proof of warming. Record cold is catastrophic man-made global warming. All bad weather is due to climate change.  $2+2=5$ . Logic is white male identity politics. Forest fires are caused by "carbon pollution." Boys are girls.

If you disagree with any of this you are a Nazi.

## Corruption Of The US Temperature Record

The US temperature record is very important, because it is the only large area on the planet with a high quality long term daily temperature record.

1891–1920 (v3.00–upd–2013020606)



[Index of /pub/data/ghcn/daily/figures/](#)

Thirty years ago, NOAA reported that the US was not warming.

## U.S. Data Since 1895 Fail To Show Warming Trend

By PHILIP SHABECOFF, Special to the New York Times  
Published: January 26, 1989

Correction Appended

**WASHINGTON, Jan. 25—** After examining climate data extending back nearly 100 years, a team of Government scientists has concluded that there has been no significant change in average temperatures or rainfall in the United States over that entire period.

While the nation's weather in individual years or even for periods of years has been hotter or cooler and drier or wetter than in other periods, the new study shows that over the last century there has been no trend in one direction or another.

The study, made by scientists for the National Oceanic and Atmospheric Administration was published in the current issue of Geophysical Research Letters. It is based on temperature and precipitation readings taken at weather stations around the country from 1895 to 1987.

### [U.S. Data Since 1895 Fail To Show Warming Trend – NYTimes.com](https://www.nytimes.com/1989/01/26/us/us-data-since-1895-fail-to-show-warming-trend)

Twenty years ago, NASA's James Hansen was upset that the US was cooling – even as CO<sub>2</sub> increased.

in the U.S. there has been little temperature change in the past 50 years, the time of rapidly increasing greenhouse gases – in fact, there was a slight cooling throughout much of the country

## Whither U.S. Climate?

By James Hansen, Reto Ruedy, Jay Glascoe and Makiko Sato — August 1999

What's happening to our climate? Was the heat wave and drought in the Eastern United States in 1999 a sign of global warming?

Empirical evidence does not lend much support to the notion that climate is headed precipitately toward more extreme heat and drought. The drought of 1999 covered a smaller area than the 1988 drought, when the Mississippi almost dried up. And 1988 was a temporary inconvenience as compared with repeated droughts during the 1930s "Dust Bowl" that caused an exodus from the prairies, as chronicled in Steinbeck's *Grapes of Wrath*.

How can the absence of clear climate change in the United States be reconciled with continued reports of record global temperature? Part of the "answer" is that U.S. climate has been following a different course than global climate, at least so far. Figure 1 compares the temperature history in the U.S. and the world for the past 120 years. The U.S. has warmed during the past century, but the warming hardly exceeds year-to-year variability. Indeed, in the U.S. the warmest decade was the 1930s and the warmest year was 1934. Global temperature, in contrast, had passed 1950s values by 1980 and the world has warmed at a remarkable rate over the last 25 years.

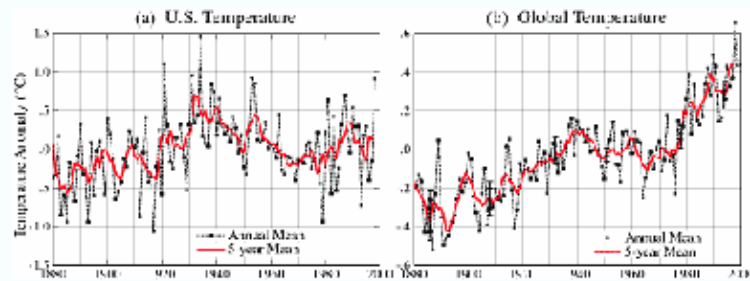
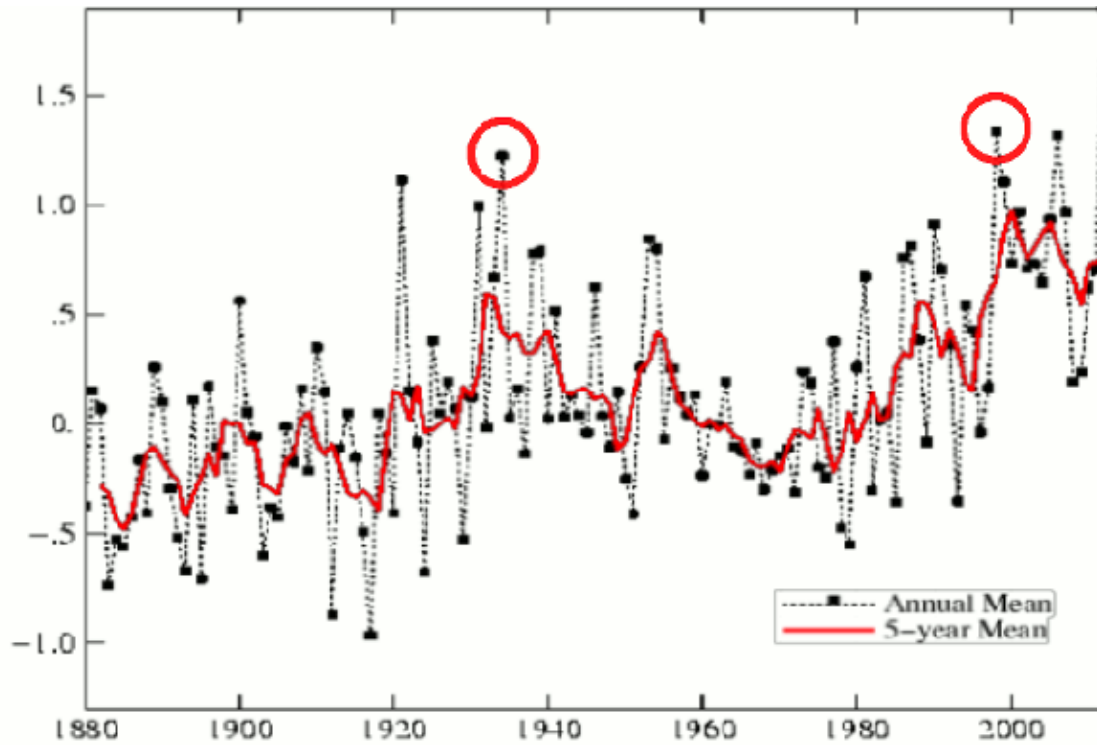


Fig. 1: Annual and 5-year mean surface temperature for (a) the contiguous 48 United States and (b) the globe, relative to 1951-80, based on measurements at meteorological stations.

A picture of how U.S. climate change during the past half century compared with the rest of the world is shown in Figure 2. This map shows that the trend has been toward warmer temperatures in most of the world. There has been nearly ubiquitous warming in the tropics, especially in the Eastern Pacific Ocean, where the largest warming coincides with the location of more frequent strong El Niños. The strongest warming has been in Alaska and northern Asia. Warming in Alaska is often associated with El Niños. A suspicion of many climatologists — as yet unproven — is that an increasing greenhouse effect may cause more frequent and intense El Niños. Asia has long been predicted to show the largest warming due to increasing greenhouse gases, especially in the winter, and observations are consistent with that.

## [NASA GISS: Science Briefs: Whither U.S. Climate?](#)

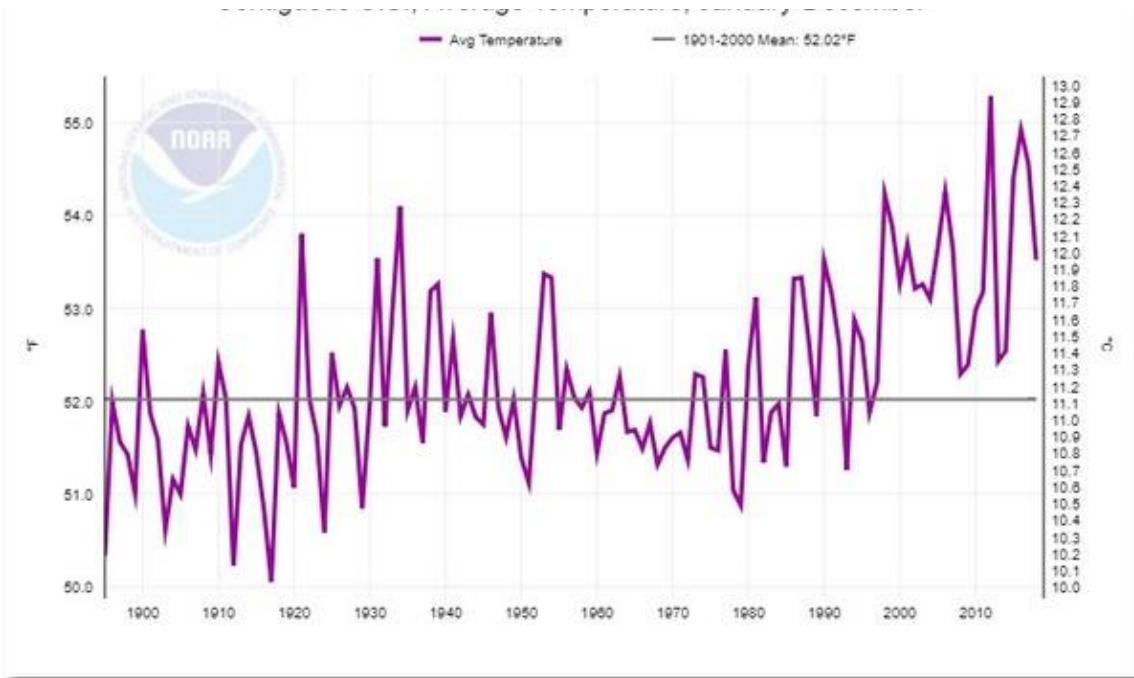
This cooling was disturbing to global warming theorists at both NASA and NOAA. CO<sub>2</sub> warming theory was failing, so they did the obvious thing — altered the data and turned cooling into warming.



# NASA 2016

[NASA 1999](#) [NASA 2016](#)

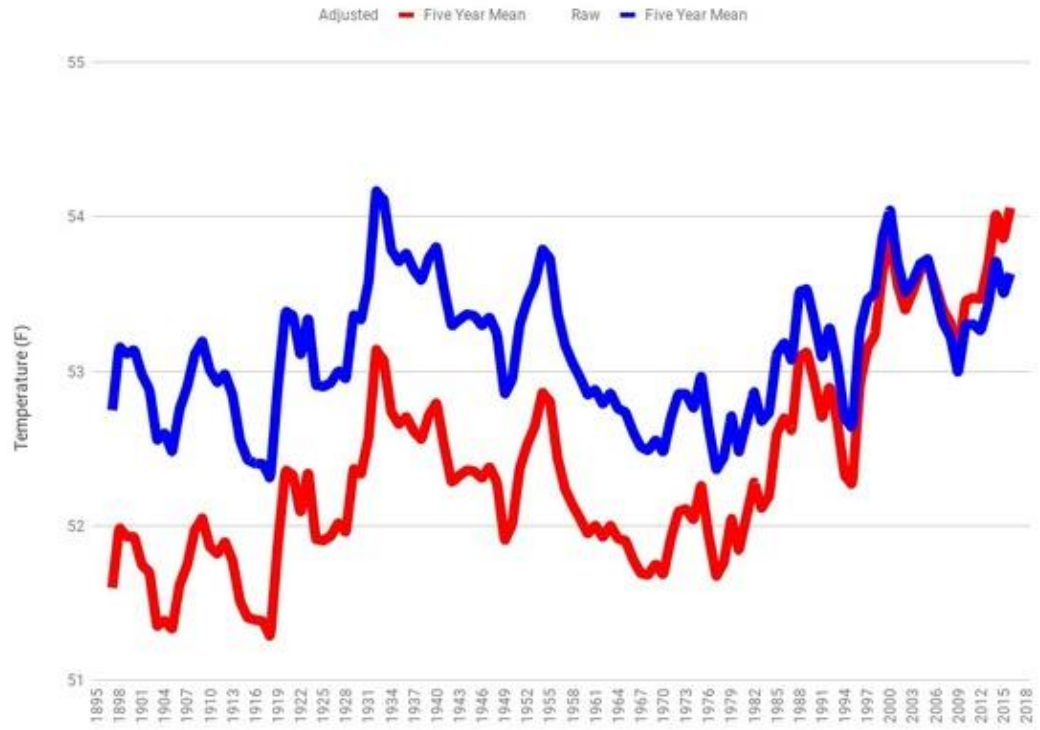
Via data tampering, NOAA now shows nearly continuous warming in the US since 1895.



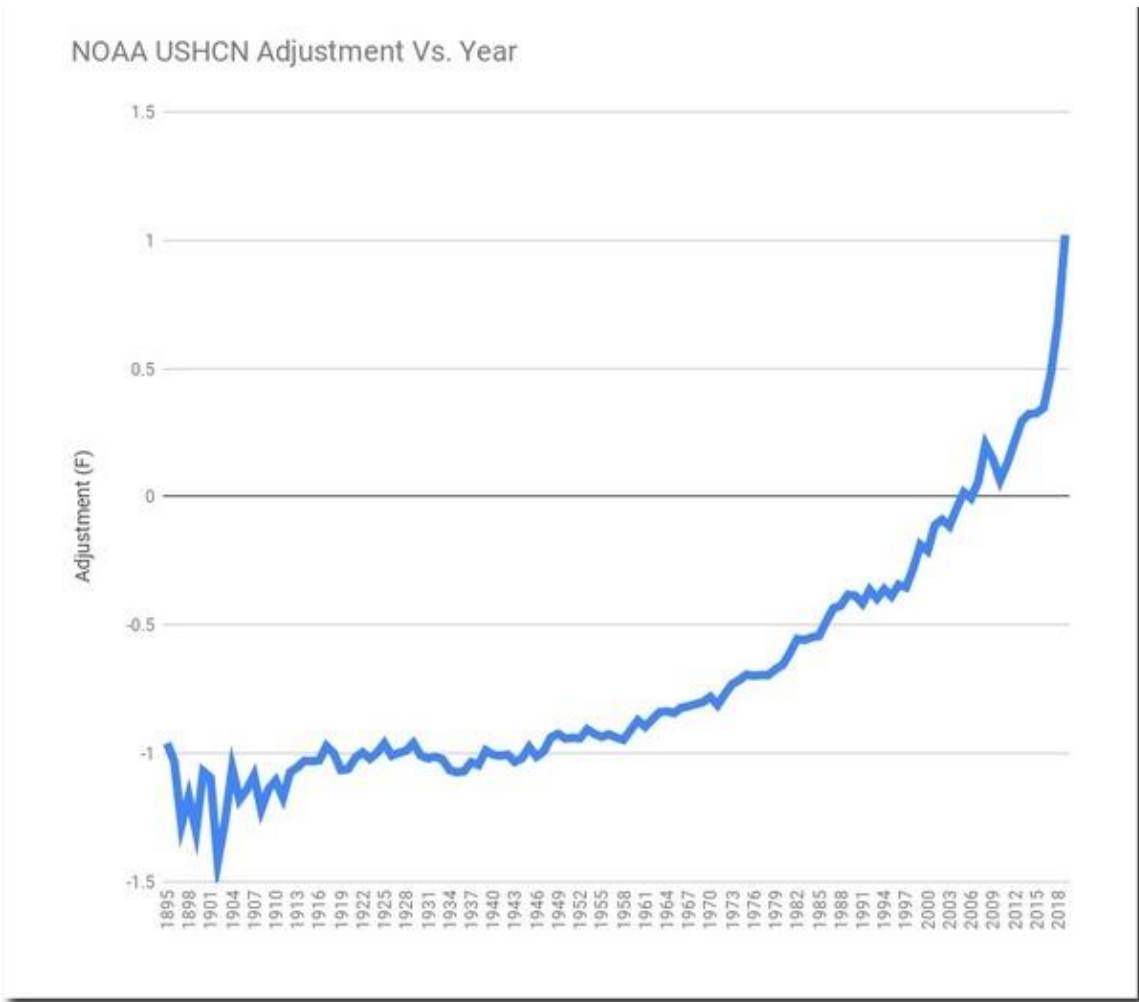
[Climate at a Glance | National Centers for Environmental Information \(NCEI\)](#)

The red line below shows the data which NOAA now releases to the public, and the blue line shows their actual thermometer data – which closely resembles the 1999 NASA graph.

Average Monthly Temperature At All US Historical Climatology Network Stations



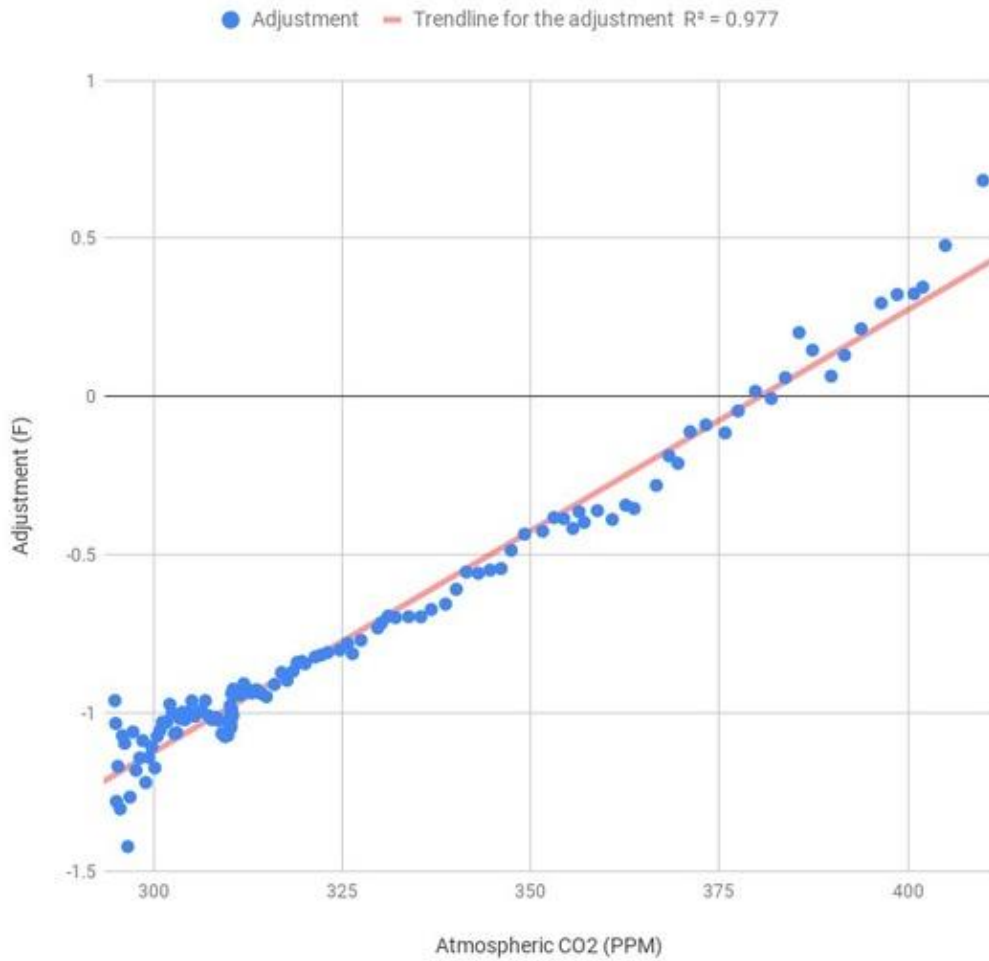
The adjustments form a perfect hockey stick.



And the adjustments precisely match the increase in CO2. A smoking gun of confirmation bias and/or fraud.



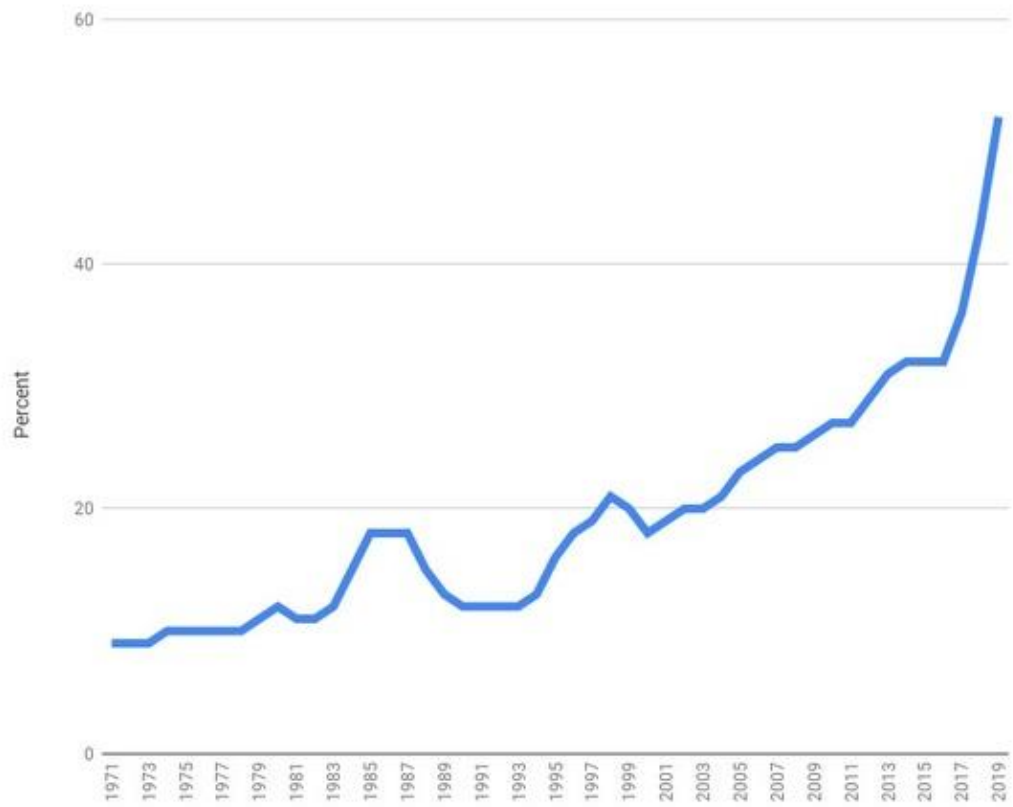
### NOAA USHCN Adjustment Vs. Atmospheric CO2



The majority of the recent tampering is due to fake data. More than 40% of the current US adjusted data is generated by computer models rather than thermometers.

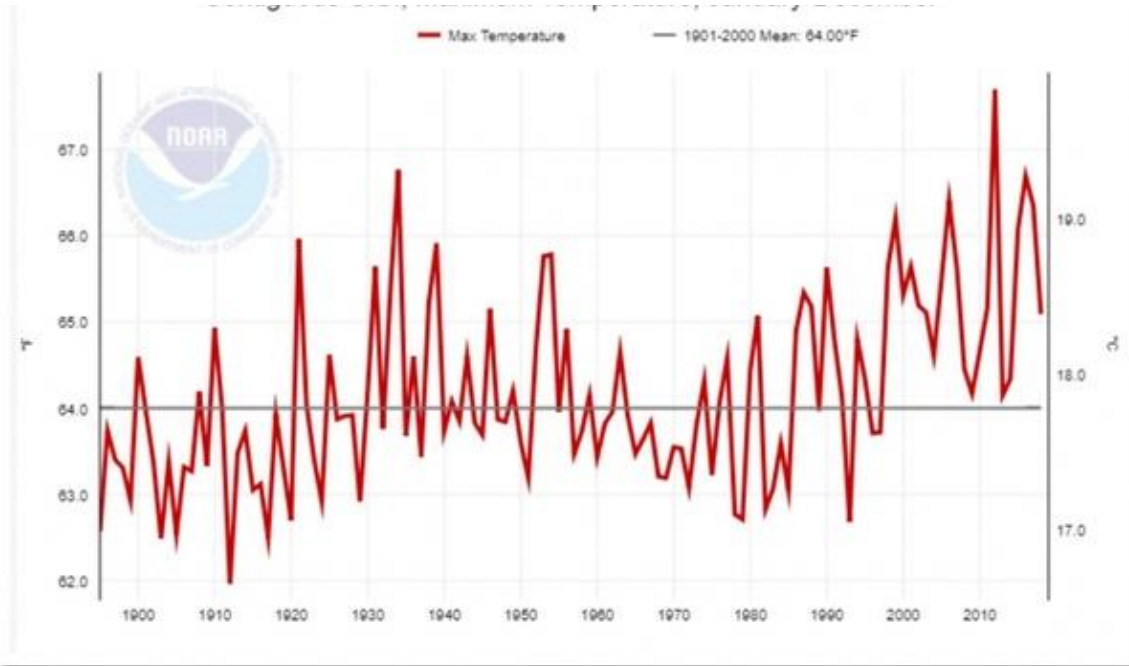
### NOAA USHCN Percent Of Fabricated Data

Marked With An "E"



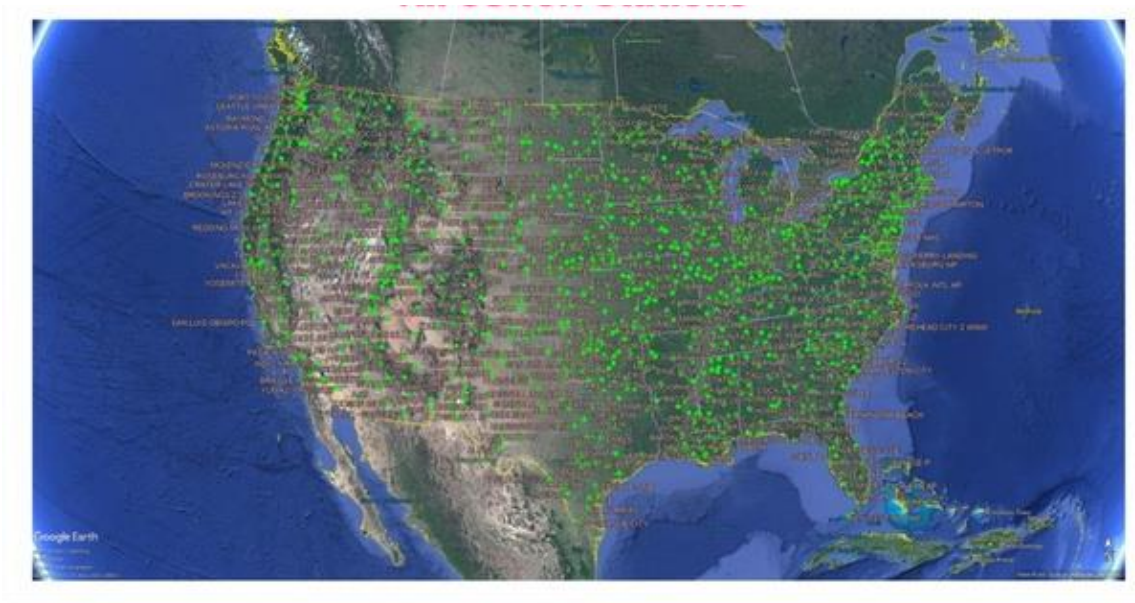
[Spreadsheet](#)

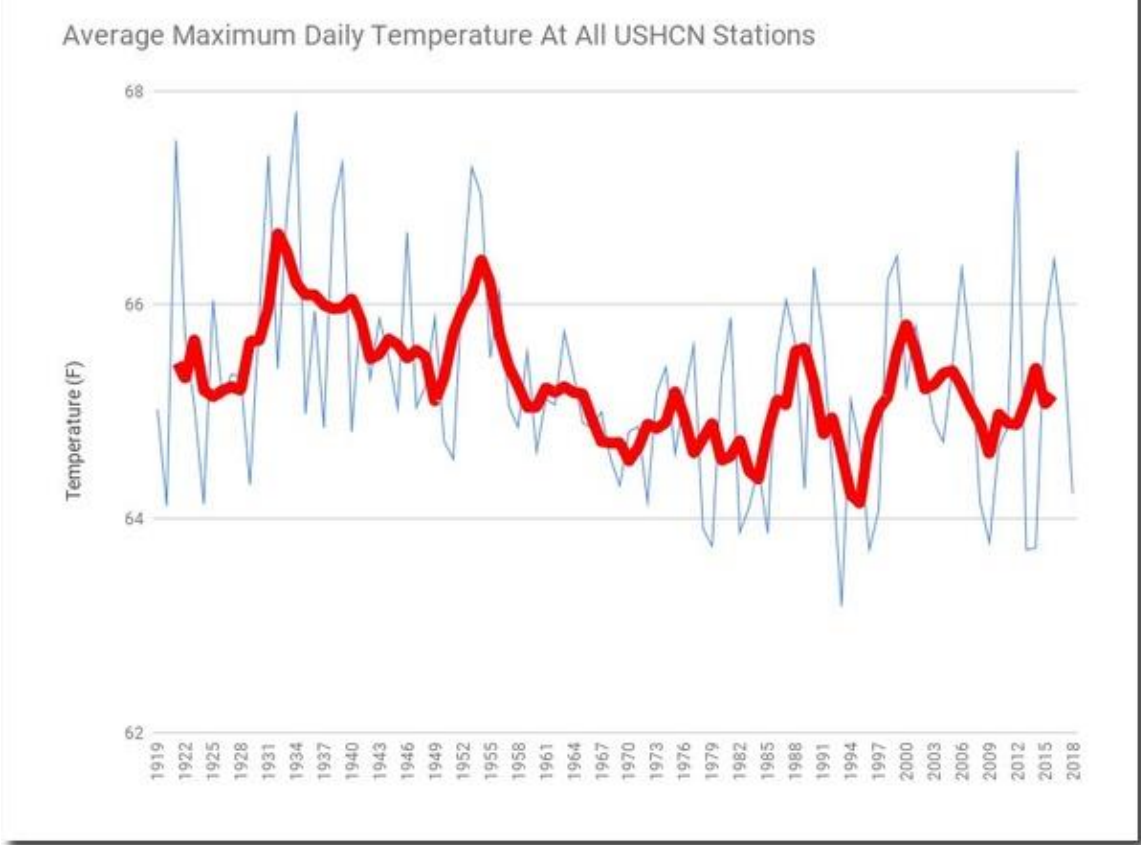
NOAA shows a large increase in afternoon temperatures since the 1930s..



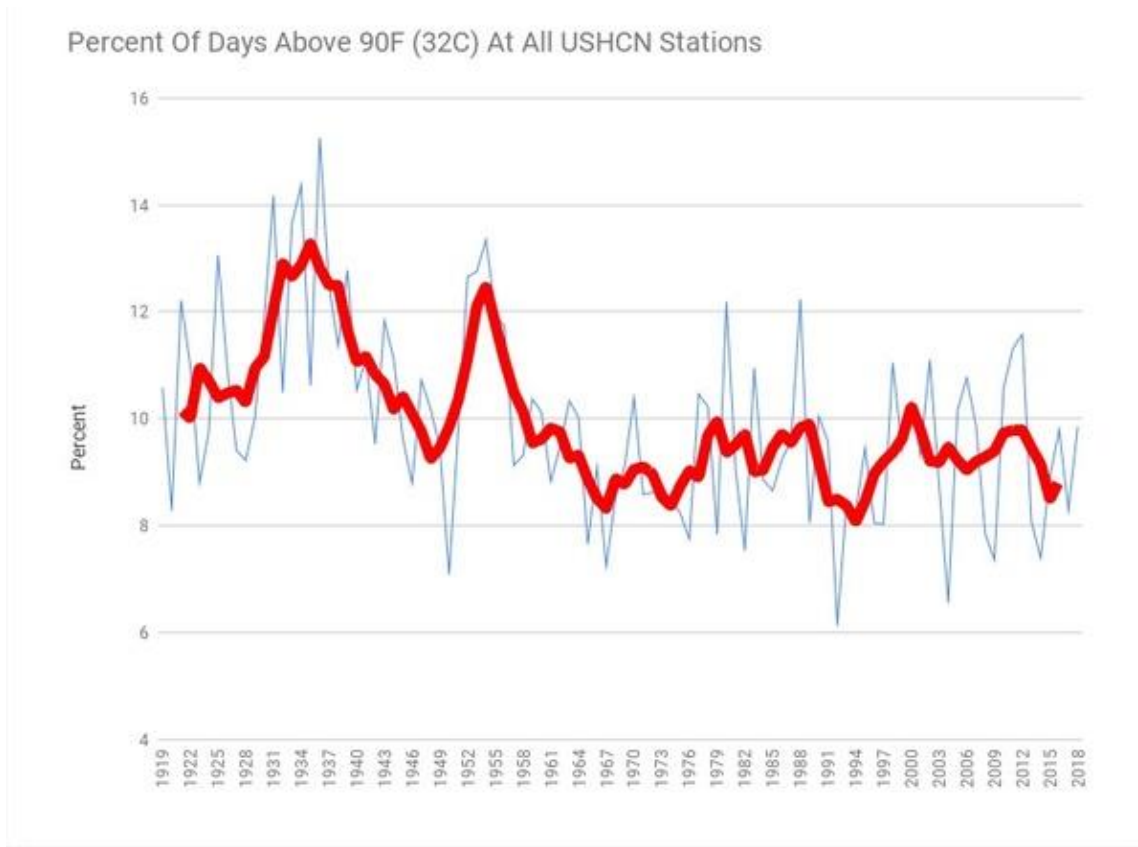
[Climate at a Glance | National Centers for Environmental Information \(NCEI\)](#)

By contrast, the thermometer data from the 1,218 NOAA US Historical Climatology Stations (USHCN) show a decrease in afternoon temperatures.

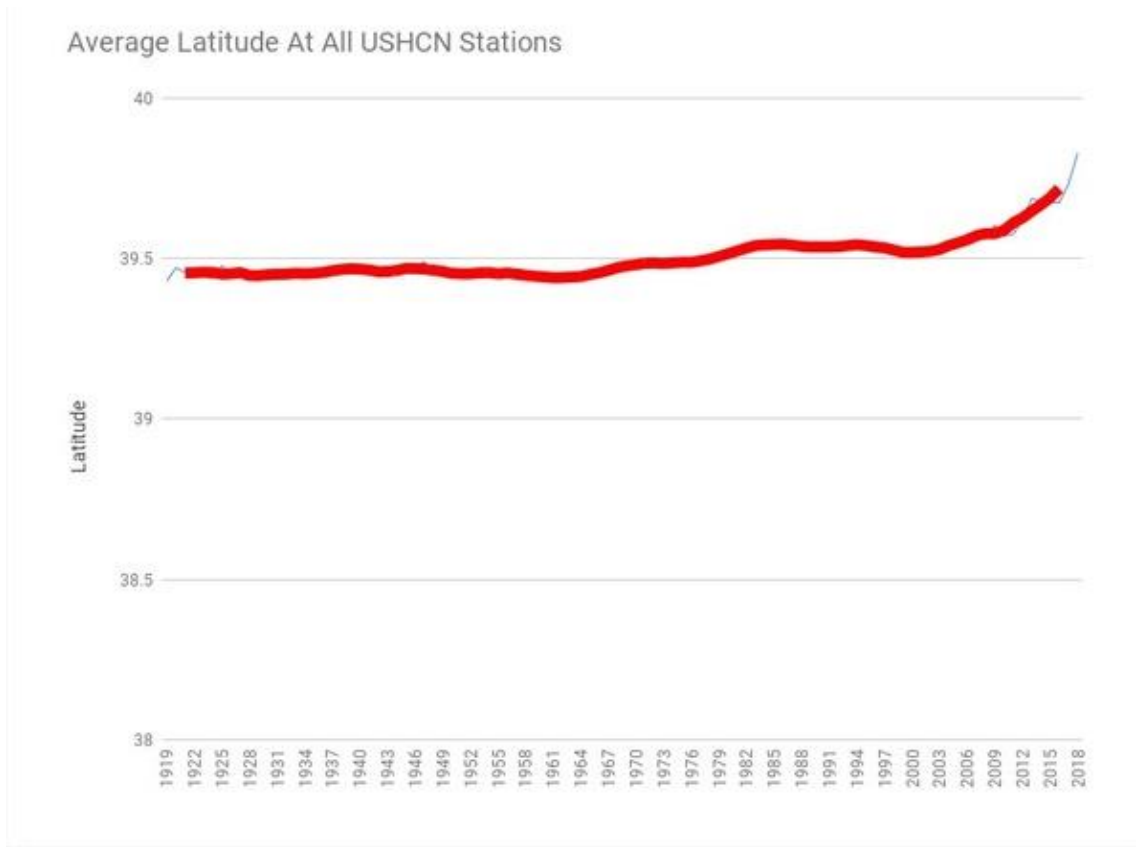




The percent of hot days has plummeted.



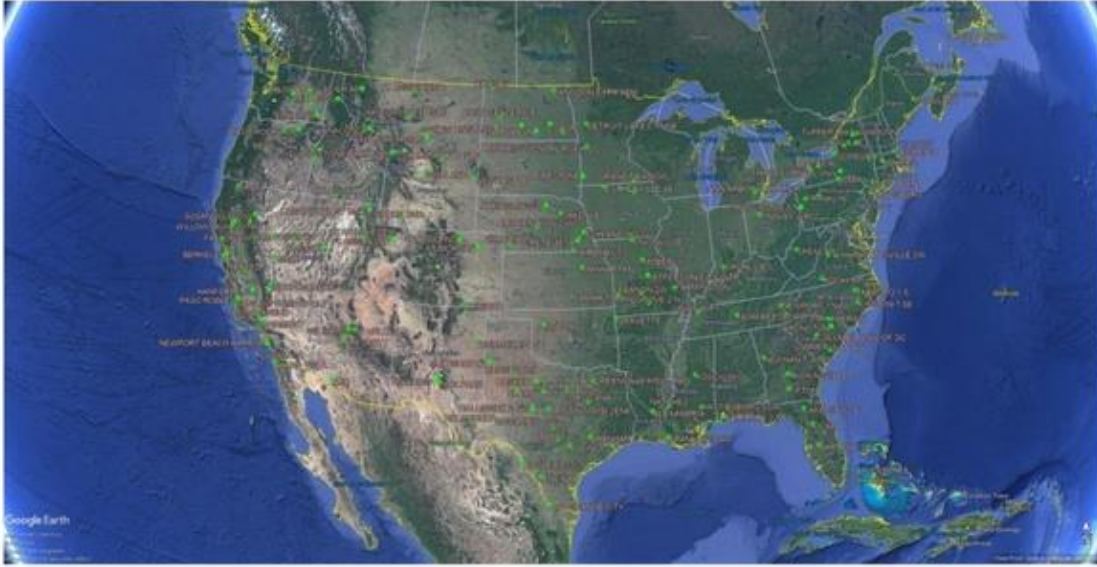
The two most often cited excuses for the data tampering, are a change in average latitude (changing station composition) – and a change in the time when the min/max thermometers were reset (Time of Observation Bias.) The argument behind TOBS adjustments is that most people in the 1930s reset their thermometers during the afternoon, causing double counting of hot days, making the 1930s data too hot.



It is simple enough to eliminate these effects by using a consistent set of long term stations which all reset their thermometers at the same time during the 1930s. This eliminates any need to correct the data.

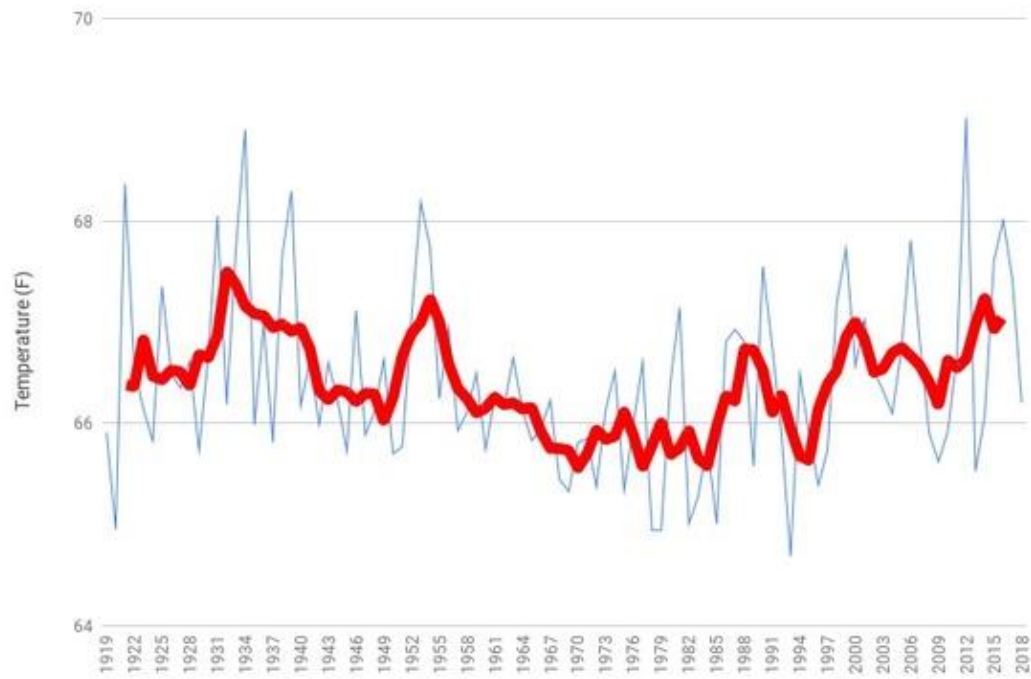
Morning stations show approximately the same trend as the set of all stations.

**During July 1936, And Have Been Continuously Active Since**



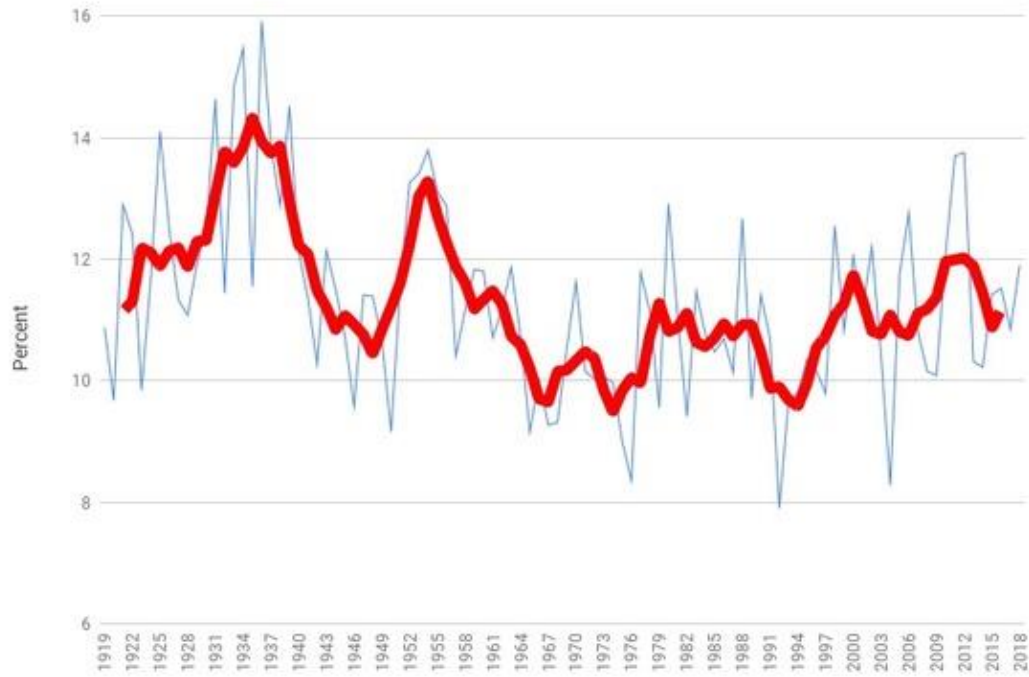
### Average Maximum Daily Temperature At All USHCN 1936 Morning Stations

Stations Which Took Their Readings In the Morning During July 1936, And Have Been Continuously Active Since



### Percent Of Days Above 90F (32C) At All USHCN 1936 Morning Stations

Stations Which Took Their Readings In the Morning During July 1936, And Have Been Continuously Active Since



### Average Latitude At All USHCN 1936 Morning Stations

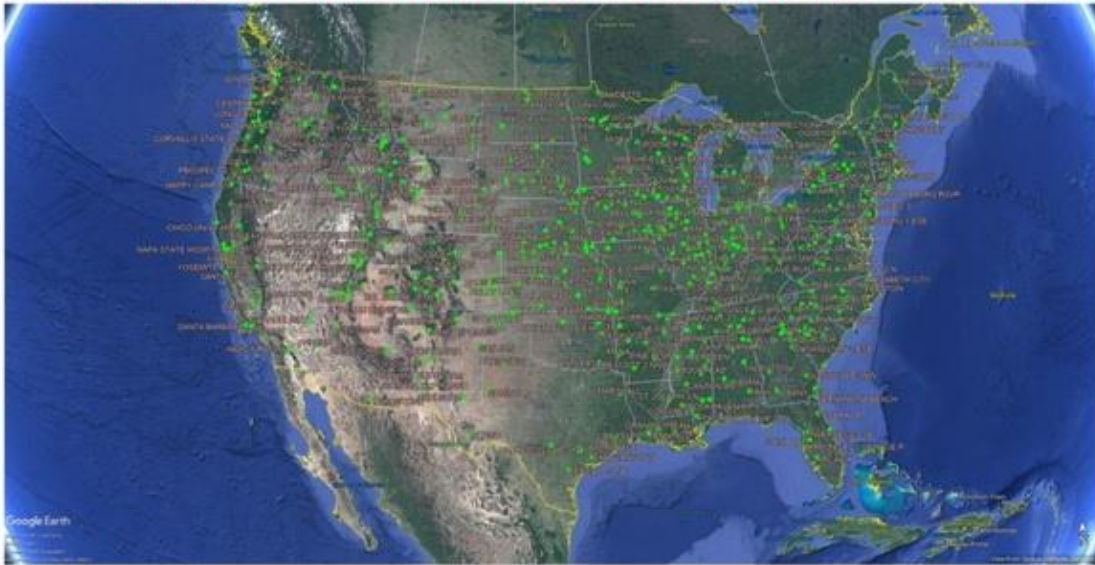
Stations Which Took Their Readings In the Morning During July 1936, And Have Been Continuously Active Since





Afternoon stations show approximately the same trend as the set of all stations.

**During July 1936, And Have Been Continuously Active Since**



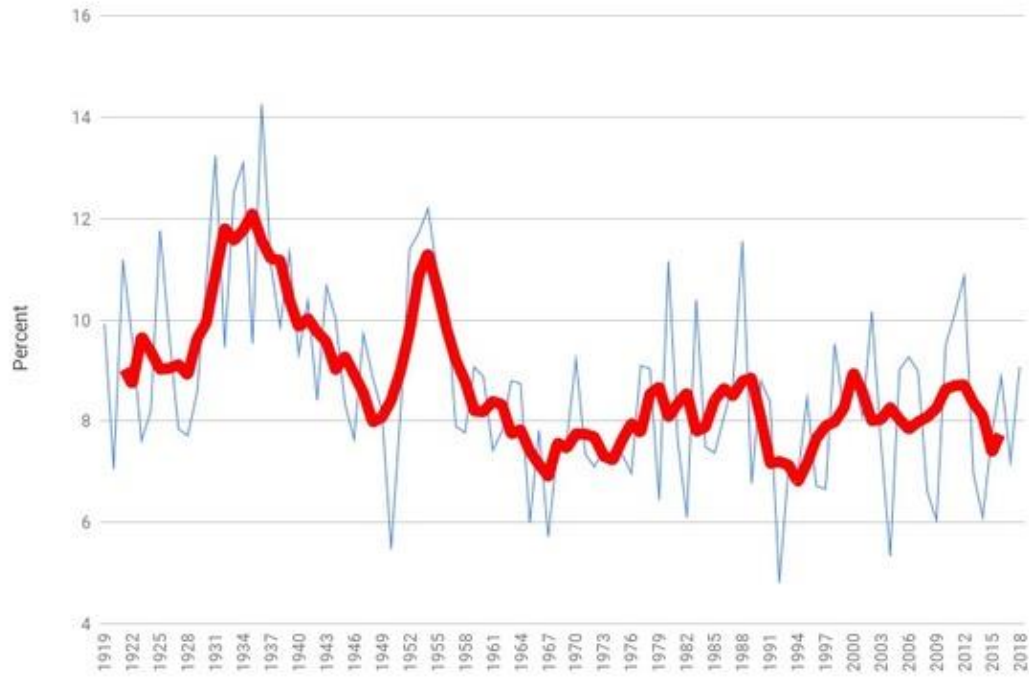
**Average Maximum Daily Temperature At All USHCN 1936 Afternoon Stations**

Stations Which Took Their Readings In the Afternoon During July 1936, And Have Been Continuously Active Since



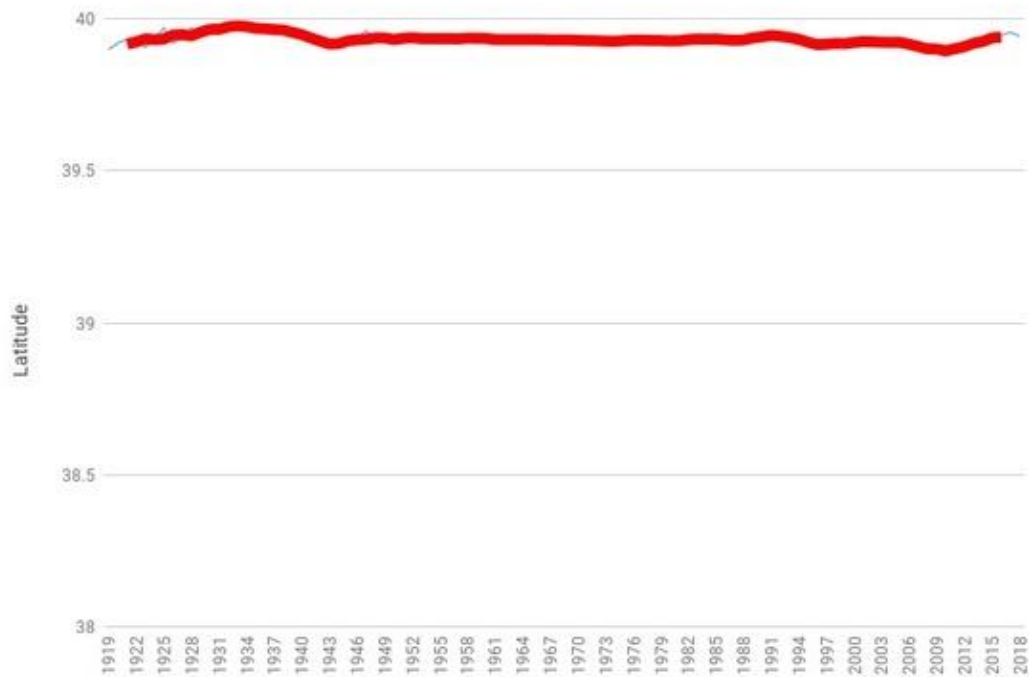
### Percent Of Days Above 90F (32C) At All USHCN 1936 Afternoon Stations

Stations Which Took Their Readings In The Afternoon During July 1936, And Have Been Continuously Active Since



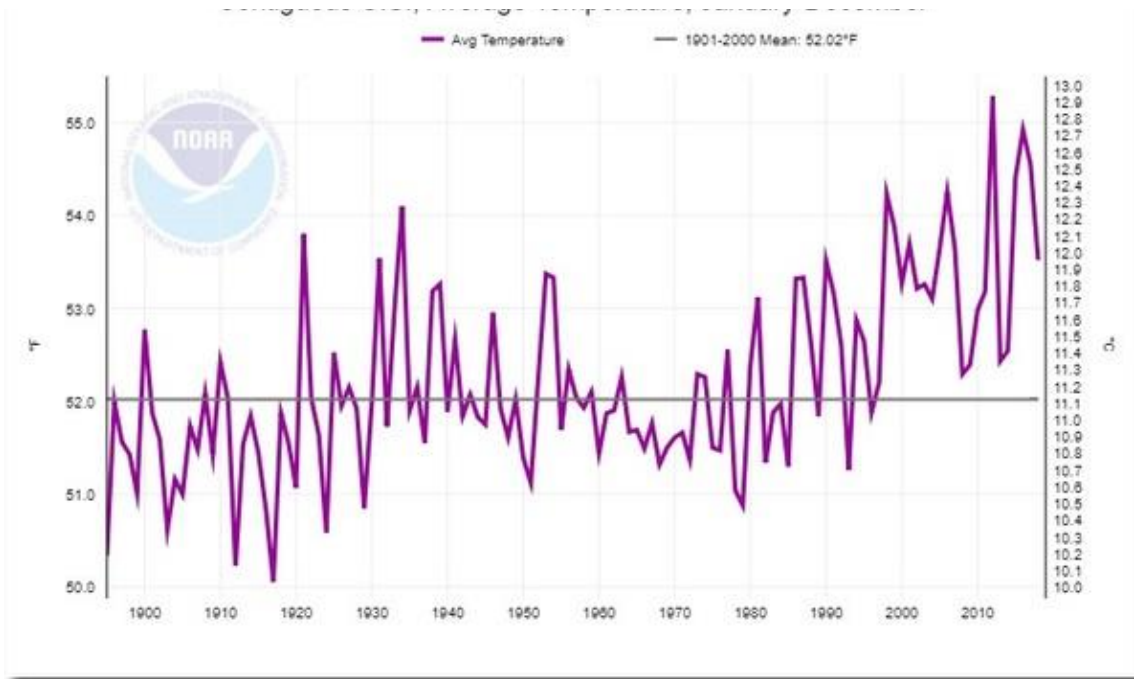
### Average Latitude At All USHCN 1936 Afternoon Stations

Stations Which Took Their Readings In The Afternoon During July 1936, And Have Been Continuously Active Since



## [Spreadsheet](#)

What this analysis shows is that the adjustments are unsupportable. TOBS and changing station composition effects are much smaller than the adjustments being made. The US is not warming, and the adjustments which make it appear to be warming are fraudulent.



Even worse is that the data is being altered with the vast majority of the public unaware. If NOAA has concerns about data quality, the correct way to handle it would be to put error bars on the graph – not alter the data to match their theory.