GLOBAL WARMING

The Politics · The Agenda · The Science

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GLOBAL WARMING

- **The Real Questions:**
  1. Fact or fiction?
  2. Natural or man-made?
  3. Are they <u>significant</u> changes?
- **The Issue Is Not:**
  - Pollution
  - Greenhouse Gasses (GHG)
  - Only Science
- **Political Battle**

GLOBAL WARMING

- **United Nations & US Administration Goal:**
  - Restrict 'man-made' Carbon Dioxide emissions
  - Imposing massive taxes on all human sources of CO2
  - Restrict energy usage
- **"If we do not do something…"**
  - Global temperatures will increase
  - Ice caps will melt
  - Disease and drought will kill millions
- **"WE MUST SAVE THE PLANET!"**

BUT WHAT IF…

- **…IT SIMPLY IS NOT TRUE?**
- …there is an agenda?
- …there is fraud and deceit?

2nd Assessment Report (UN IPCC--1995)

- **<u>Scientists</u> wrote in the draft report:**
  - "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"
  - "No study to date has positively attributed all or **<u>part</u>** (of observed climate change) to anthropogenic causes."
  - "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."

2nd Assessment Report (UN IPCC--1995)

- **Politicians replaced those statements with:**
  - **"The balance of evidence suggests a discernable human influence on global climate."**

WHY?

CLIMATE FRAUD—WHY IS IT DONE?

- The IPCC wants to shut critics up by saying: "There is a Consensus, and the debate is over." They claim 'hundreds of scientists all agree'.
- Science is not about consensus. It is about developing a hypothesis, testing that hypothesis, allowing free and open access to one's data and test methods, and seeing if the hypothesis holds up under "Independent" testing.
- If consensus was the determining factor, the Oregon Petition Project has signatures from over 31,400 scientists, 9,027 of which hold a Ph.D.

CLIMATE FRAUD—WHY IS IT DONE?

Petition

We urge the United States government to reject the global warming agreement that was written in Kyoto, Japan in December, 1997, and any other similar proposals. The proposed limits on greenhouse gases would harm the environment, hinder the advance of science and technology, and damage the health and welfare of mankind.

There is no convincing scientific evidence that human release of carbon dioxide, methane, or other greenhouse gases is causing or will, in the foreseeable future, cause catastrophic heating of the Earth's atmosphere and disruption of the Earth's climate. Moreover, there is substantial scientific evidence that increases in atmospheric carbon dioxide produce many beneficial effects upon the natural plant and animal environments of the Earth.

Edward Teller

Please sign here

☒ Please send more petition cards for me to distribute.

My academic degree is B.S. ☐ M.S. ☐ Ph.D. ☒ in the field of PHYSICS

CLIMATE FRAUD—WHY IS IT DONE?

1. Some People Have an Agenda
2. Some Scientists Have Been Corrupted
3. Some People/Corporations See Financial Opportunity

Climate Agenda "In Their Own Words"

- Who Made The Following Statements?
  A. Climate Scientist
  B. High Ranking Government/UN Official
  C. Environmental Activist
  D. Violent Eco-terrorist

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1. "*Giving society cheap, abundant energy would be the equivalent of giving an idiot child a machine gun.*"

*** * Prof Paul Ehrlich, Stanford University * ***

(Climate Scientist - Quoted by R. Emmett Tyrrell in The American Spectator, September 6, 1992)

2. *"Unless we announce disasters, no one will listen."*

*** * Sir John Houghton, first chairman of the UN's IPCC * ***

(his 1994 book Global Warming, The Complete Briefing)

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3. *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* ***

(Calgary Herald, December 14, 1998)

4. *"…we need to get some broad based support, to capture the public's imagination…So we have to offer up scary scenarios, make simplified, dramatic statements and make little mention of any doubts…Each of us has to decide what the right balance is between being effective and being honest."*

*** * Stephen Schneider, Stanford Professor of Climatology & Lead Author of many IPCC reports * ***

(Discover Magazine, pp. 45-48, Oct. 1989)

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5. *"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, former U.S. Under Sec. of State, currently Head of the UN Foundation * ***

(National Journal interview, 1990)

6. *"Isn't the only hope for the planet that the industrialized civilizations collapse? Isn't it our responsibility to bring that about?"*

*** * Maurice Strong, former Secretary General of UNEP * ***

(Opening speech, 1992 Rio Earth Summit)

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7. We must "correct and dismantle the dangerous US world economy."

*** * Eco-Terrorist James Lee * ***

(Quotes from his Manifesto)

8. "If we don't overthrow capitalism, we don't have a chance of saving the world ecologically. I think it is possible to have an ecologically sound society under socialism. I don't think it is possible under capitalism"

*** * Judi Bari, Principal organiser of Earth First! * ***

(http://books.google.com/books?id=bb8VUgA3w5YC)

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9. *"I believe it is appropriate to have an over-representation of factual presentations on how dangerous it is."*

*** * Al Gore * *** (Grist interview with David Roberts 9 May 2006)

10. *"A transnational "Planetary Regime" should assume control of the global economy and also dictate the most intimate details of Americans' lives — using an armed international police force."*

*** * Dr. John Holdren * *** Obama's Science Czar

(His book, "Ecoscience" in 1977)

Climate Agenda "In Their Own Words"

11. The cap-and-trade bill is – *"the most significant revenue -generating proposal of our time".*

*** * Senator Ben Cardin (D-MD) * *** Wash. Post – April 3, 2009

12. The *"U.S. Climate Bill Will Help Bring About 'Global Governance".*

*** * Al Gore * *** July 10, 2009

13. "Kyoto represents the first component of an authentic global governance."

*** * Jacques Chirac, President of France * ***

14. *"Every aspect of our lives must be subjected to an inventory (carbon)"* - to combat global warming.

*** * Nancy Pelosi * *** Statement in China in 2009

15. "*Controlling carbon is a bureaucrat's dream. If you control carbon, you control life."*

**** * Richard Lindzen * *** *MIT climate scientist – March 2007*

THE FRAUD IS EXPOSED

- **Climate Gate**
  - October 2009
  - 1,000+ sensitive e-mails leaked from Hadley CRU
  - CRU provides temp index used by IPCC & climate scientists
- **Daily Telegraph (UK) reports:**

"Conspiracy, collusion in exaggerating warming data, possibly illegal destruction of embarrassing information, organised resistance to disclosure, manipulation of data, private admissions of flaws in their public claims and much more."

THE FRAUD IS EXPOSED

The CRU is linked to the Hadley Centre (UK Met Office), and selects most of the IPCC's key scientific contributors. CRU director Professor Philip Jones is in charge of the two key data sets used by the IPCC, and his global temperature record is the most important of the four sets on which the IPCC and governments rely.

- They have come up with every possible excuse for concealing the background data on which their findings and temperature records were based.
- Dr. Jones advised scientists to delete large chunks of data
- Dr. Jones refused to release raw temperature record data
- Dr. Jones claimed that much of the data from all over the world had simply got "lost"

THE FRAUD IS EXPOSED

- Programmer "Harry" (possibly CRU's Ian "Harry" Harris)
  - Tasked with resuscitating/updating temp database
  - Excerpt from his notes (emphasis added):

    "I am seriously worried that our flagship gridded data product is produced by Delaunay triangulation - apparently linear as well. As far as I can see, **this renders the station counts totally meaningless**."

  - Excerpt from actual climate model code:

```
;
; Apply a VERY ARTIFICAL correction for decline!!
;
yrloc=[1400,findgen(19)*5.+1904]valadj=[0.,0.,0.,0.,0.,-0.1,-0.25,-0.3,0.,-
    0.1,0.3,0.8,1.2,1.7,2.5,2.6,2.6,$2.6,2.6,2.6]*0.75 ; fudge factor
if n_elements(yrloc) ne n_elements(valadj) then message,'Oooops!'
;
yearlyadj=interpol(valadj,yrloc,timey)

"Ulp! I am seriously close to giving up, again. The history of this is so
    complex that I can't get far enough into it before by head hurts and I have
    to stop. Each parameter has a tortuous history of manual and semi-automated
    interventions that I simply cannot just go back to early versions and run
    the update prog. I could be throwing away all kinds of corrections"
```

Emeritus Professor of Physics Resigns from American Physical Society

- Harold Lewis, PhD
- University of California, Santa Barbara.
- Letter of resignation to President of the American Physical Society (excerpt):

"My former pride at being an APS Fellow all these years has been turned into shame, and I am forced, with no pleasure at all, to offer you my resignation from the Society.

It is of course, the global warming scam, with the (literally) trillions of dollars driving it, that has corrupted so many scientists, and has carried APS before it like a rogue wave. It is the greatest and most successful pseudoscientific fraud I have seen in my long life as a physicist. Anyone who has the faintest doubt that this is so should force himself to read the ClimateGate documents, which lay it bare."

*** * Dr. Robert H. Austin * *** Dec. 8, 2009

Award-Winning Princeton University Physicist, who has published 170 scientific papers:

"I view it as science fraud, pure and simple, and that we should completely distance ourselves from such unethical behavior by CRU, and that data files be opened to the public and examined in the full light of day. We as taxpayers pay for that work -- we are owed examination of the analysis."

Climate Fraud – How Is It Done?

1. Cherry Pick The Data
2. Manipulate The Data
3. Refuse To Provide Raw Data/Codes/Methodology
4. "We Don't Need No Stinkin' Data"
5. Control Peer-Review Process

All of these methods and more were practiced by the leaders of the major climate research centers

Fraud Examples

- **E-mail from Dr. Phil Jones – head of the Hadley CRU:**
  - **Manipulation of evidence:**

    "I've just completed Mike's Nature trick of adding in the real temps to each series for the last 20 years (i.e., from 1981 onwards) and from 1961 for Keith's to ***hide the decline***."

  - **Suppression of evidence:**

    "Can you delete any emails you may have had with Keith re AR4?

    Keith will do likewise. He's not in at the moment – minor family crisis.

    Can you also email Gene and get him to do the same? I don't have his new email address. We will be getting Caspar to do likewise."

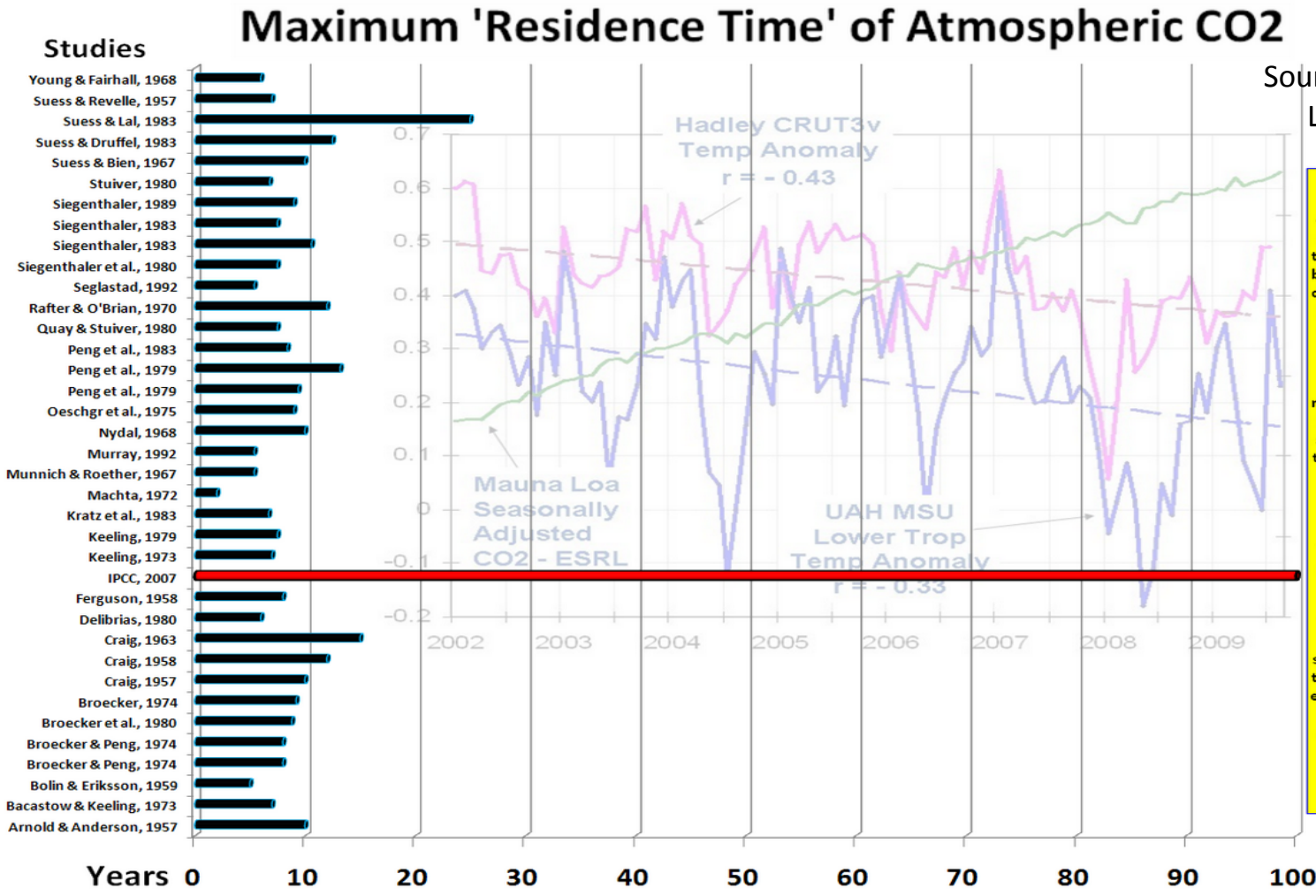
  - **Private doubts about whether the world really is heating up:**

    "The fact is that we can't account for the lack of warming at the moment and it is a travesty that we can't. The CERES data published in the August BAMS 09 supplement on 2008 shows there should be even more warming: but the data are surely wrong. Our observing system is inadequate."

Cherry Pick The Data

Some alarmists and especially the IPCC claim that the CO2 entering the atmosphere will stay for 'hundreds of years'. This is used in their computer models and is a major factor for their warming predictions.

The IPCC use a value of 100 years, but 36 other Peer-Reviewed Studies show an average of 8.5 years.



Source: "The Deniers" by Lawrence Solomon

Over decades of research, multiple peer-reviewed studies have been conducted to measure the maximum amount of time that CO2 remains in the atmosphere before being recycled by the oceans. Almost all studies have determined that the maximum time is less than 15 years, with the majority of studies indicating under 10 years. See graph to left.

The IPCC chose to assume CO2 remained in the atmosphere for up to 100 years (red bar in graph). If a shorter residence time was assumed, the IPCC climate models would not be able to predict the accelerated warming that is hypothesized to be caused by human CO2 emissions.

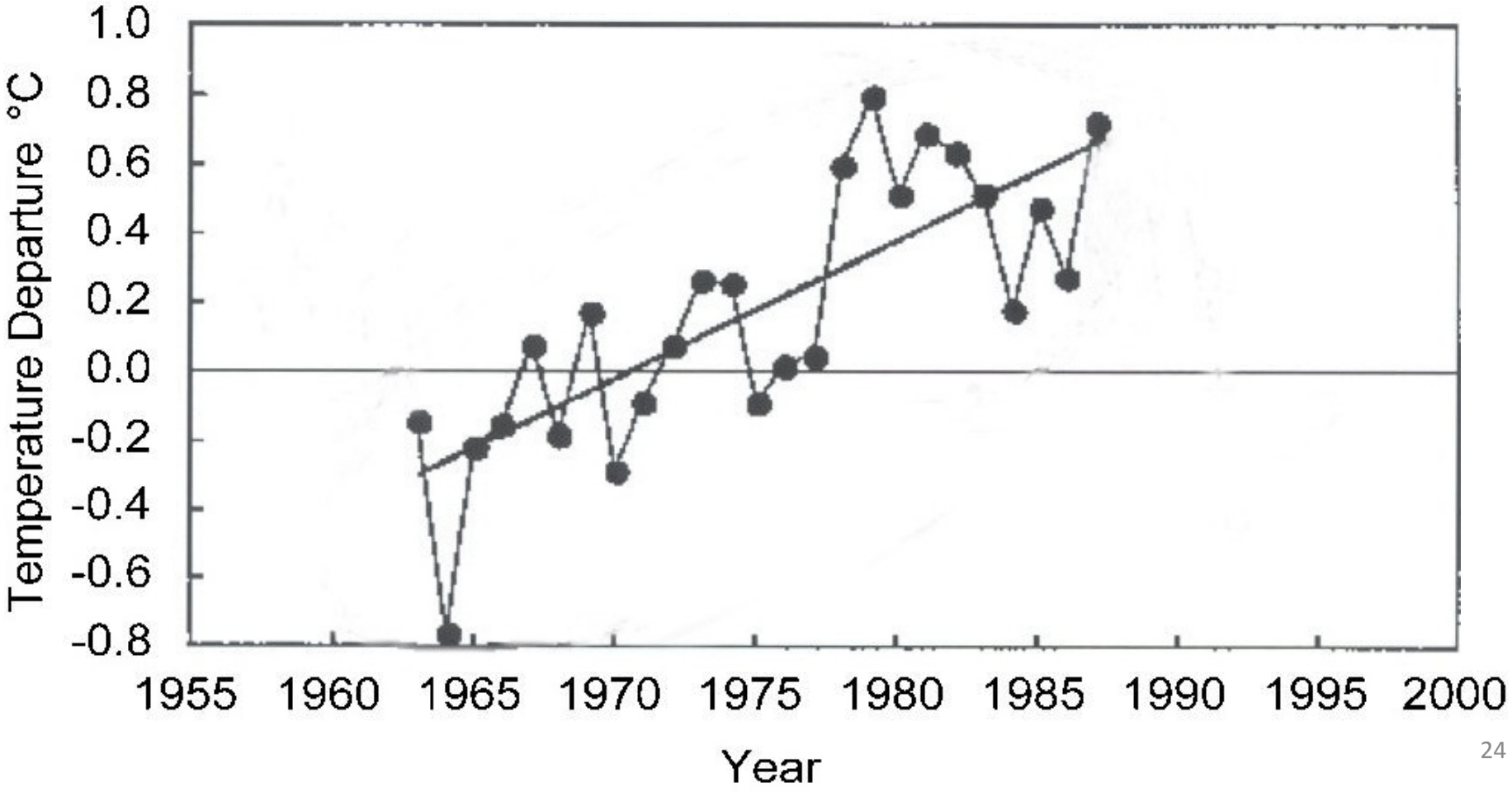
The IPCC choice of 100 years is based on no physical evidence (observations, measurements, etc.)

The background chart is the familiar temperature versus CO2 chart that shows CO2 steadily rising while global temperatures are declining. This is the exact opposite of IPCC climate models' predictions. A principal reason for climate models' failures is the false assumption about CO2 atmospheric longevity they are based on.

Source: "The Deniers" by Lawrence Solomon pages 82 & 83

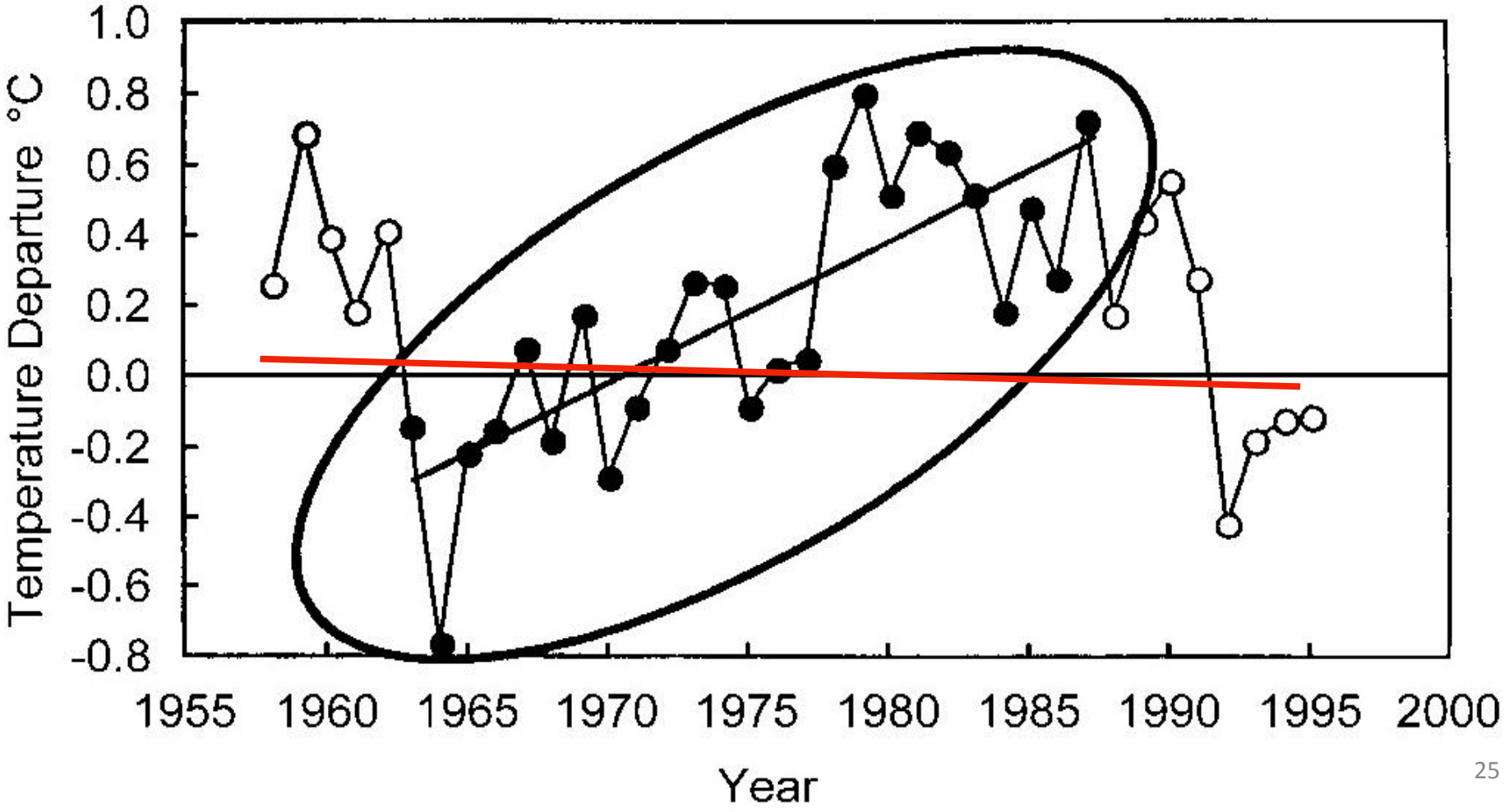
Cherry Pick The Data

The solid circles are tropospheric temperatures for the Southern Hemisphere between latitudes 30 S and 60 S, published in 1996 in support of computer-model projected warming.



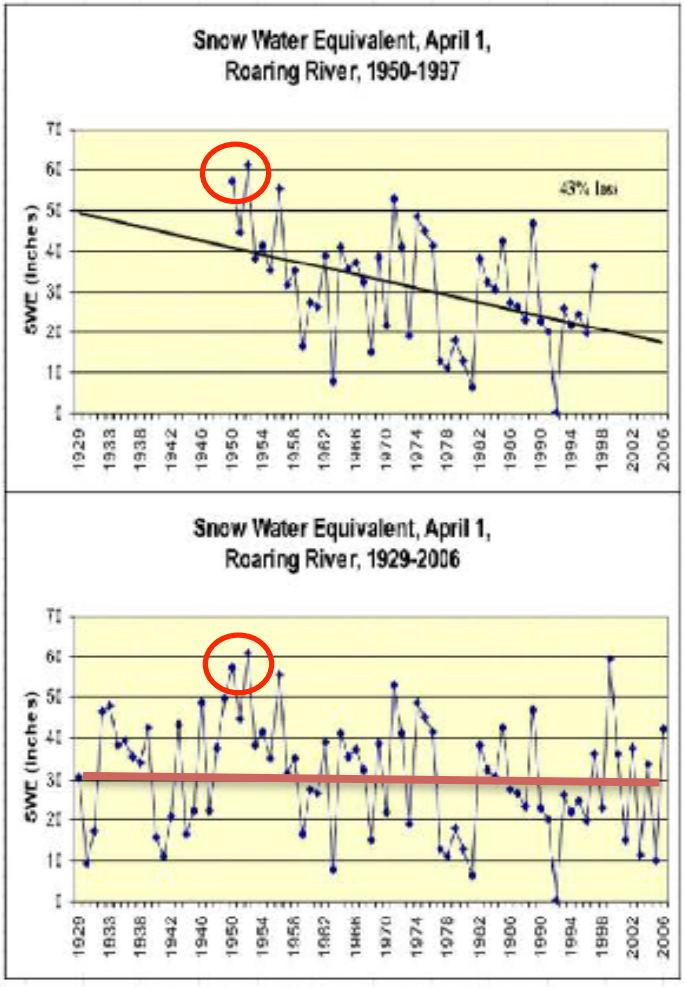
Cherry Pick The Data

In 1998, the study was refuted by the full set of data, as shown by the open circles. (Santer et al Nature 382 & Michaels Nature 384)

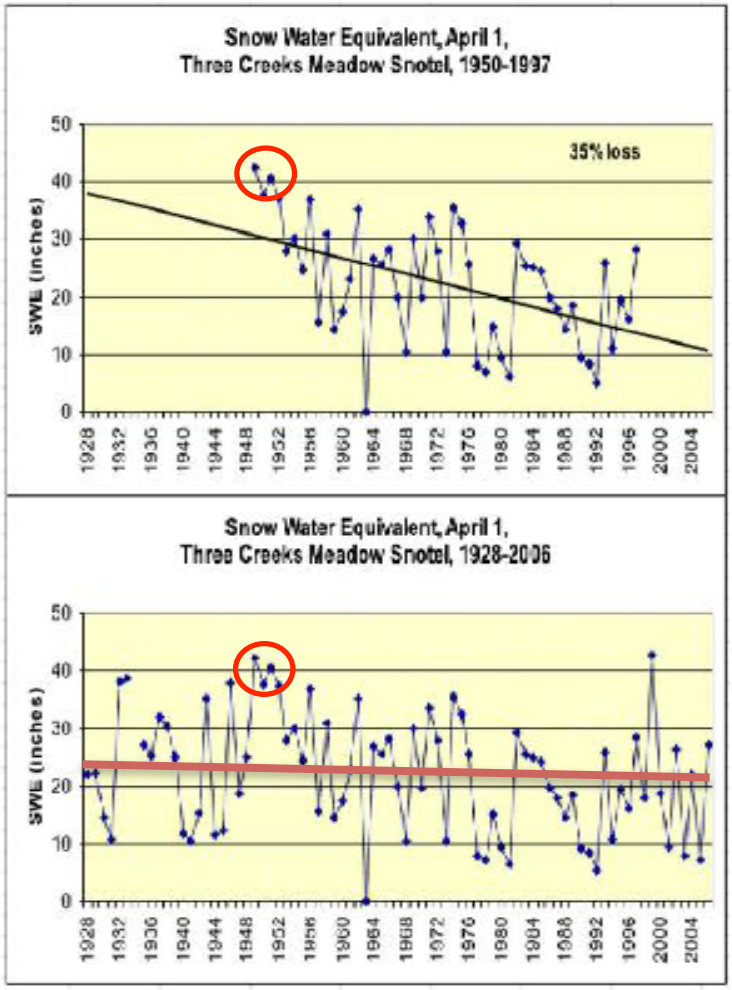


Cherry Pick The Data

In 2006 a report was released showing declining snow pack levels due to global warming. Two of the locations are in Oregon; Roaring River, and Three Creek Meadow.



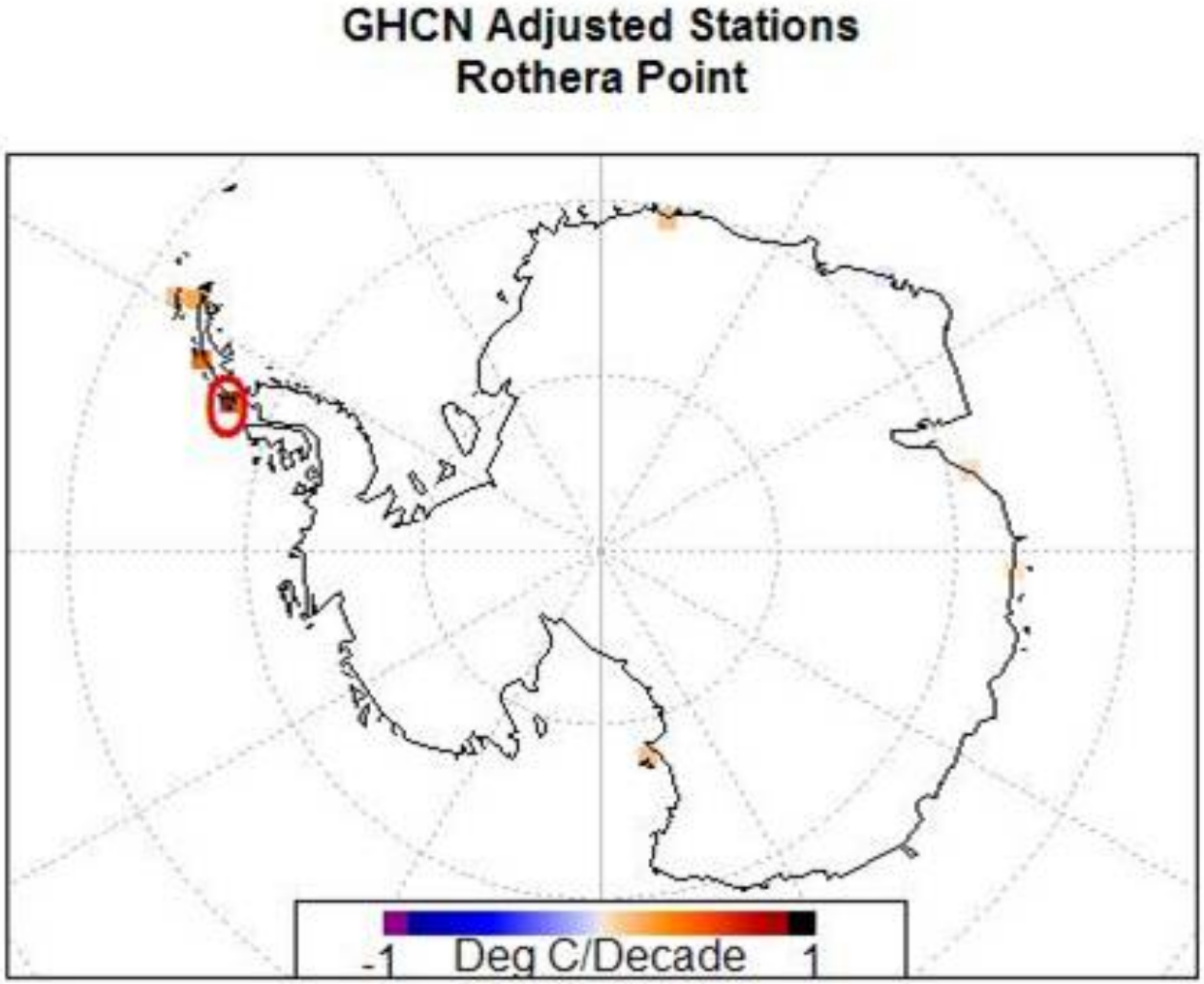
April 1 Snow Water Equivalent, Roaring River, Oregon



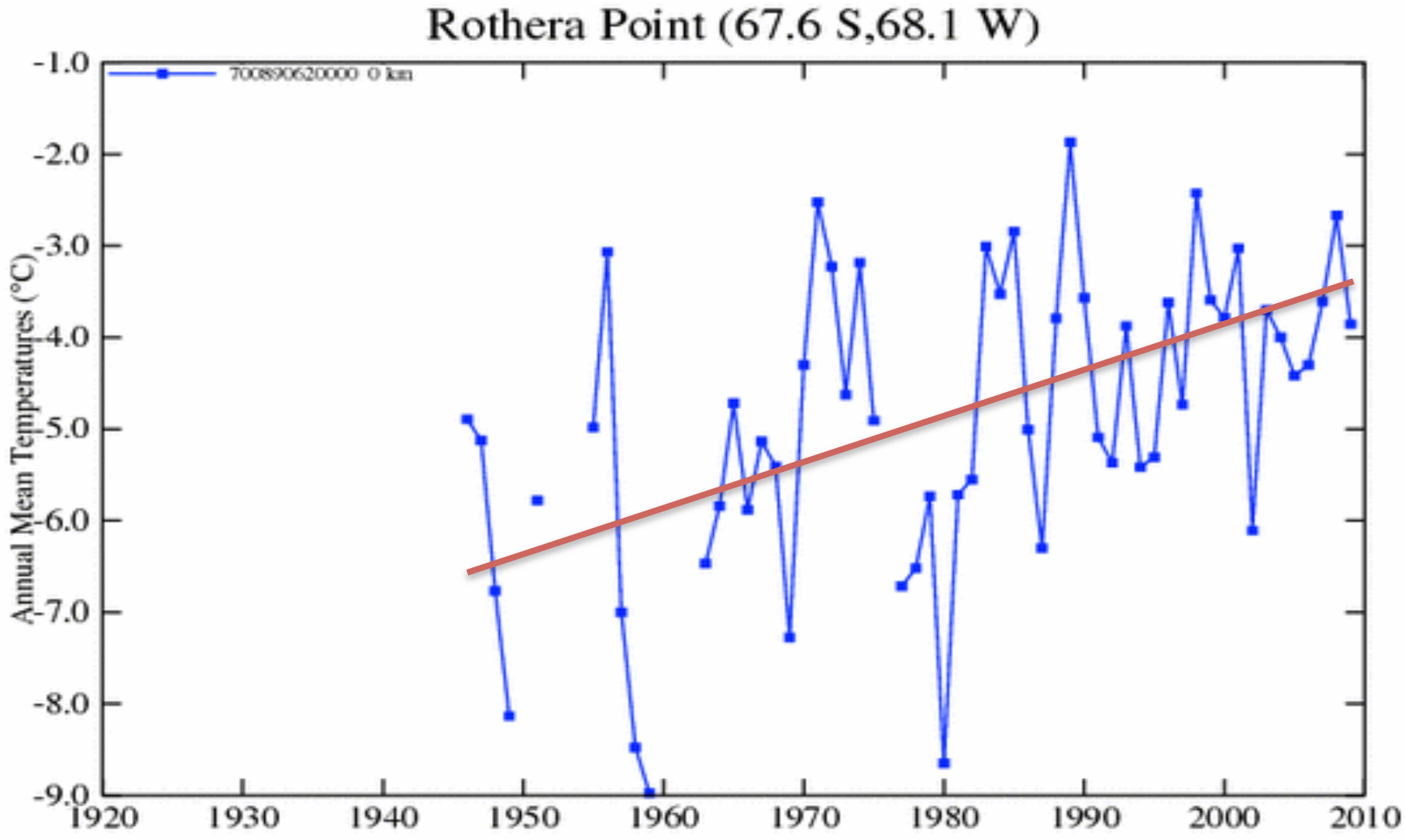
April 1 Snow Water Equivalent, Three Creeks Meadow, Oregon

Cherry Pick The Data

This is a map of Antarctica, showing the official recording station used to measure the temperature of the entire continent. Rothera Point is on a narrow peninsula surrounded by water warmer than the land.



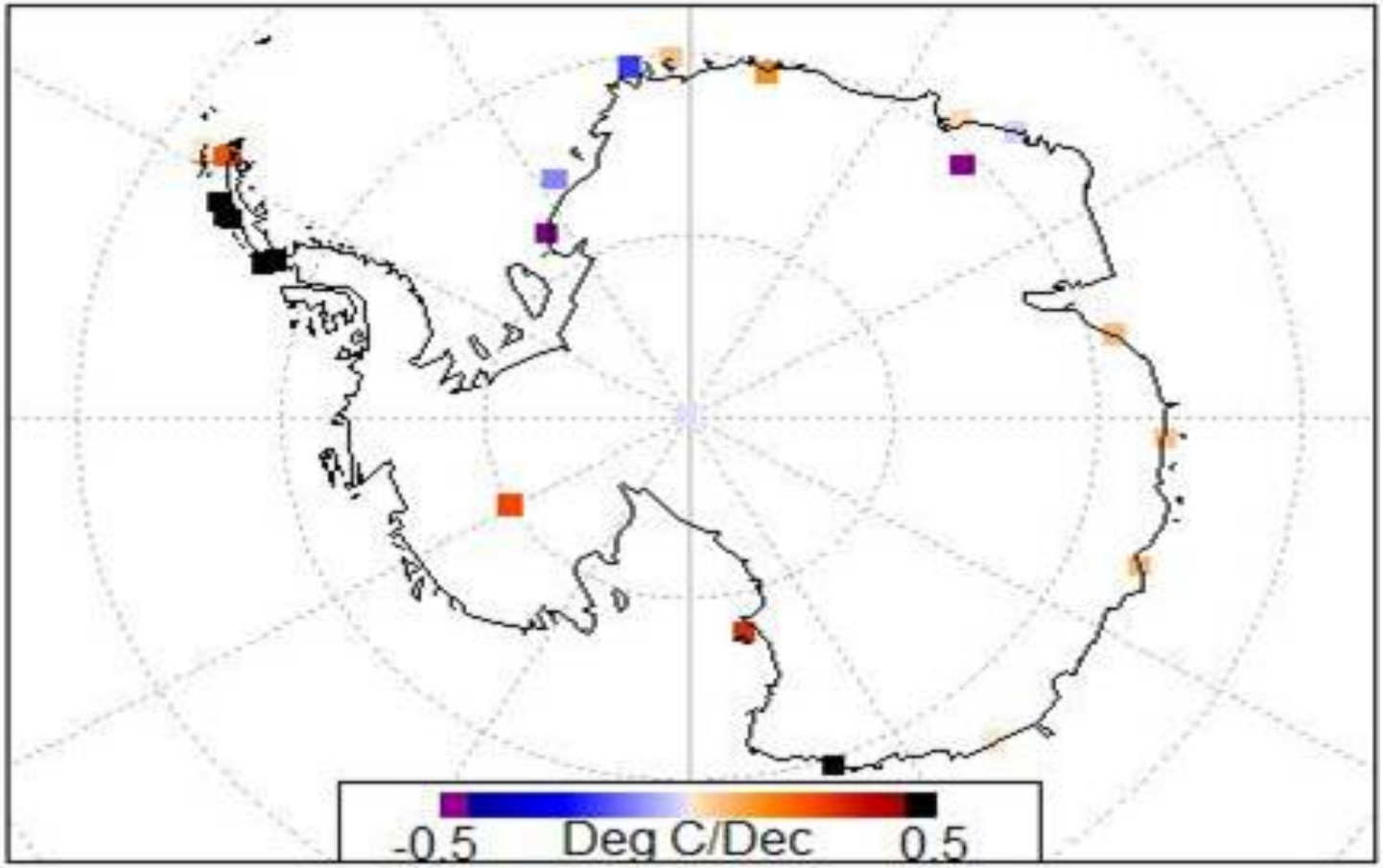
Cherry Pick The Data



Cherry Pick The Data

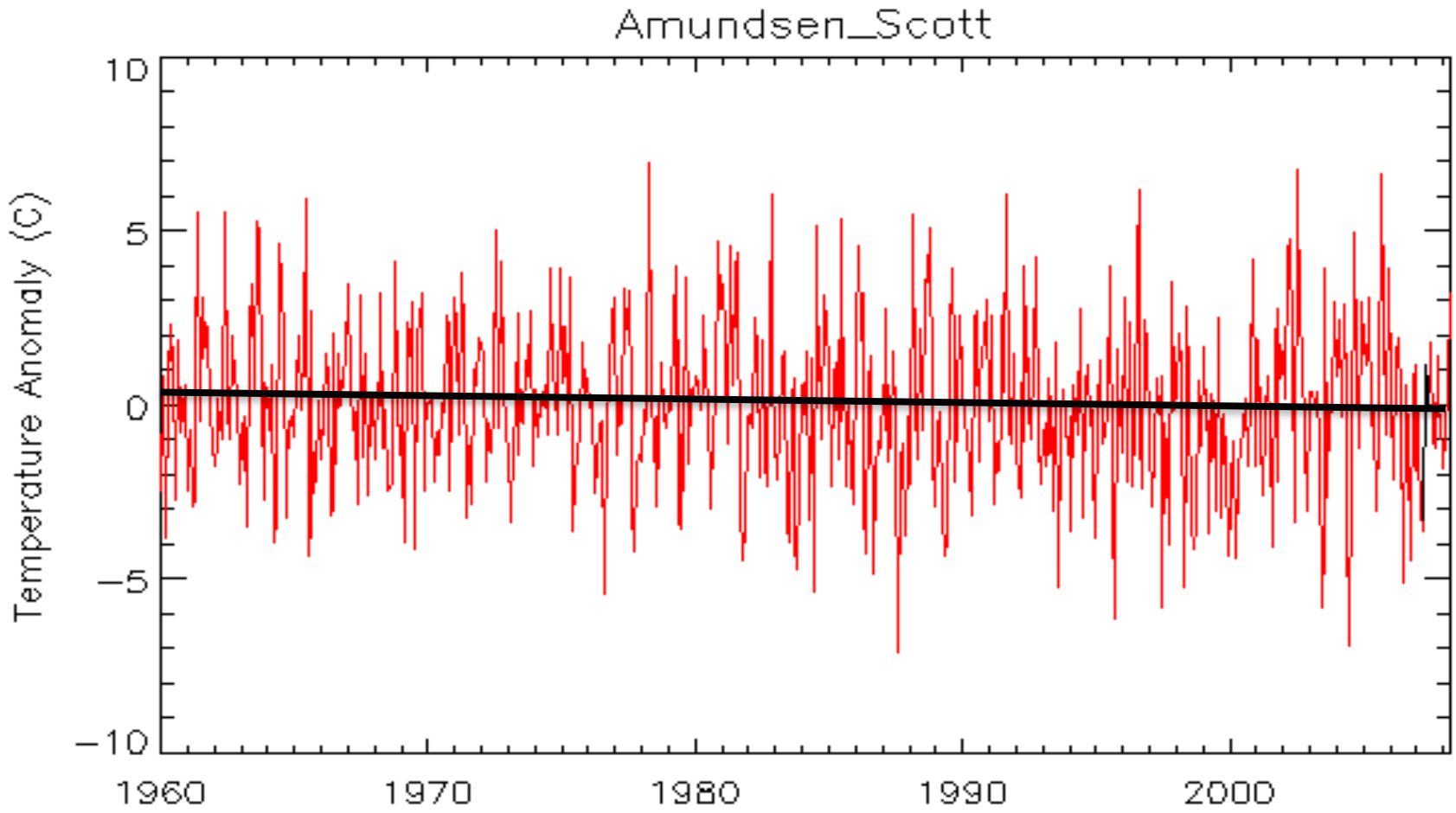
There are actually over 27 Stations reporting raw data. Why were they not included in the survey? Maybe a wild guess - is it because Rothera Point happened to be the warmest overall (surrounded by water), and reported the steepest increase?

27 GHCN Raw Stations



Cherry Pick The Data

Here is the data from just one of those other 27 stations, which actually shows slight cooling. Most other stations show little or no trend.

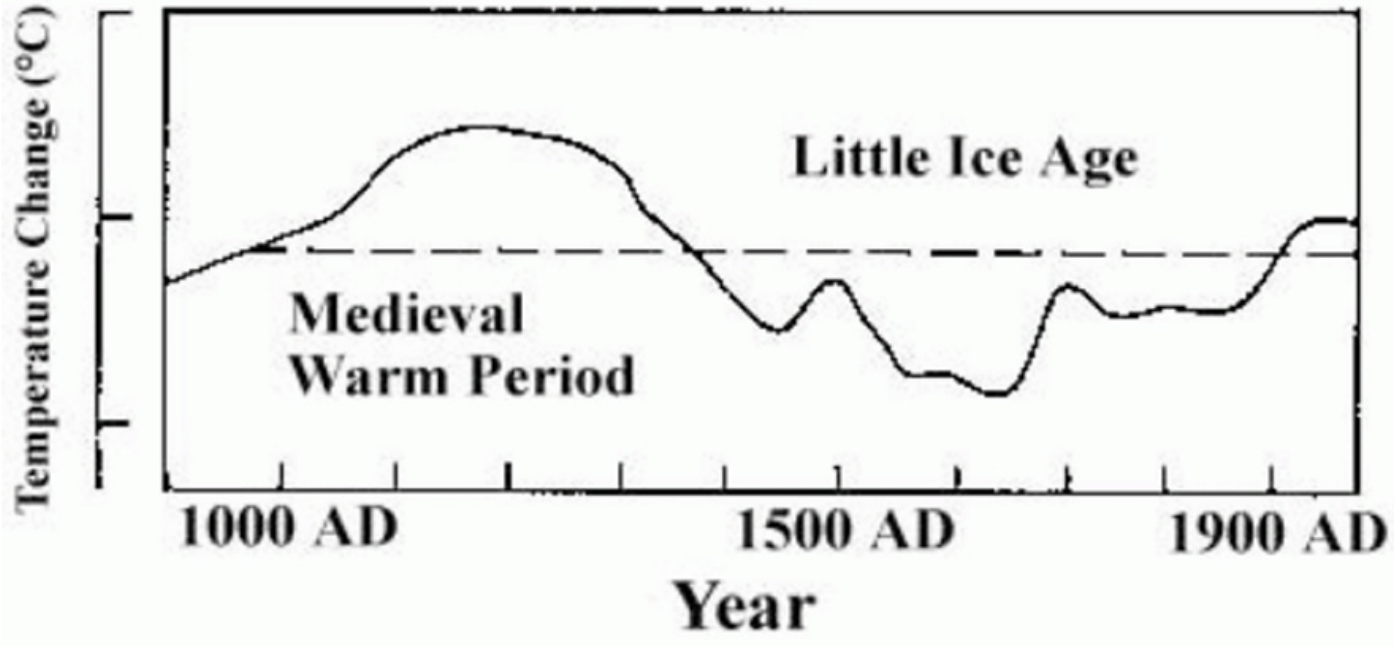


Hide The Data

The "Medieval Warm Period", lasted 450 years, from 950 to 1400. Wine grapes were grown in northern England and the Vikings established colonies on Greenland.

*** * <u>This chart is from the IPCC 1990 report.</u> * ***

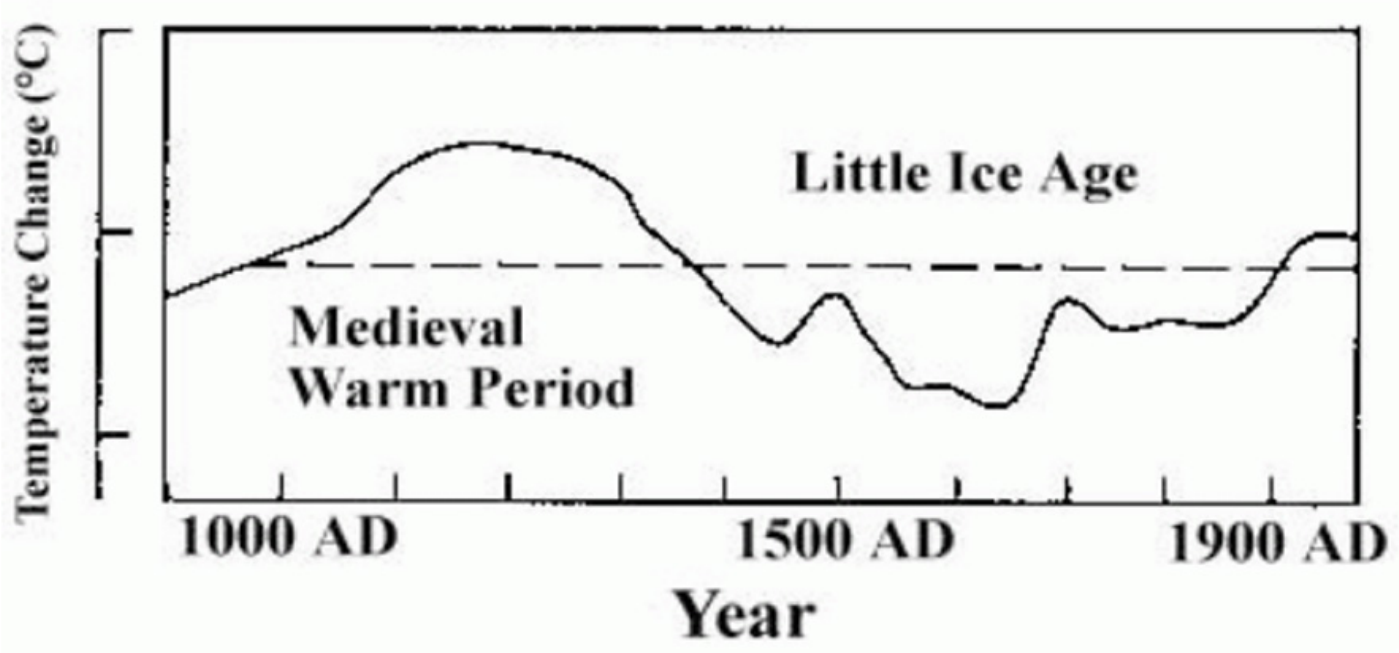
It has become so "Inconvenient" they haven't mentioned it since & some scientists have tried to eliminate it.



Hide The Data

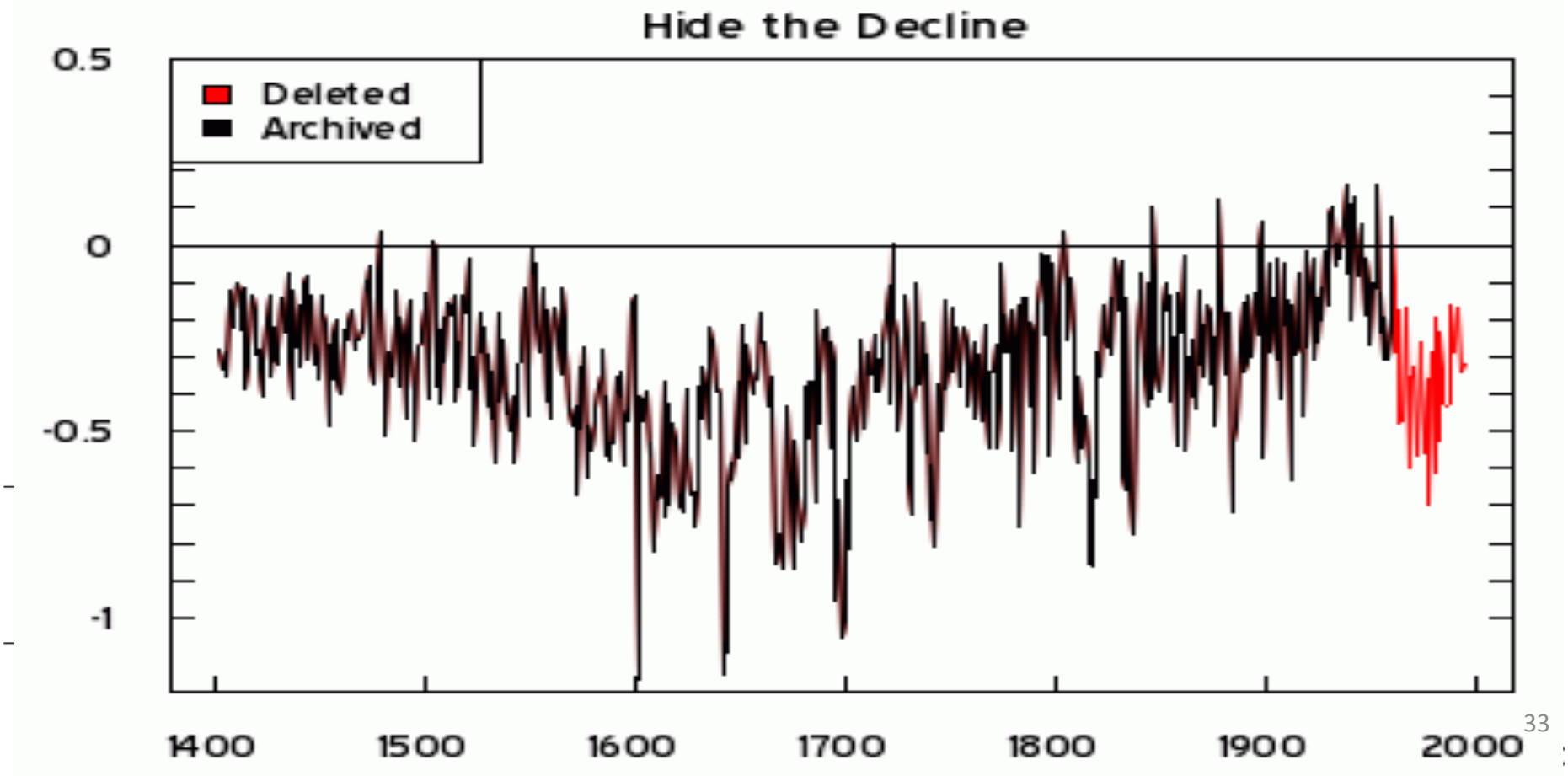
- **email from Michael Mann (Penn State Univ.):**

  "……Phil and I have recently submitted a paper using about a dozen NH records that fit this category, and…it would be nice to try to "contain" the putative "MWP", even if we don't yet have a hemispheric mean reconstruction available that far back…."



Hide The Data

This is a sample of data which the Hadley CRU deleted and refused to release to the public, even after receiving "Freedom of Information" Act requests.



Hide The Data

This is another example of data being requested by "skeptics", which Dr. Jones tries to hide.

In an email sent in September 2007 to Eugene Wahl of the NOAA and Caspar Ammann of the National Center for Atmospheric Research's, Mr. Jones writes:

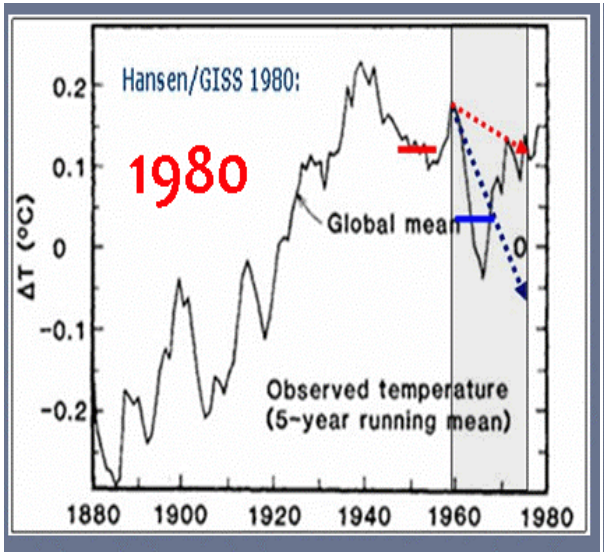
"…try and change the Received date! Don't give those skeptics something to amuse themselves with."

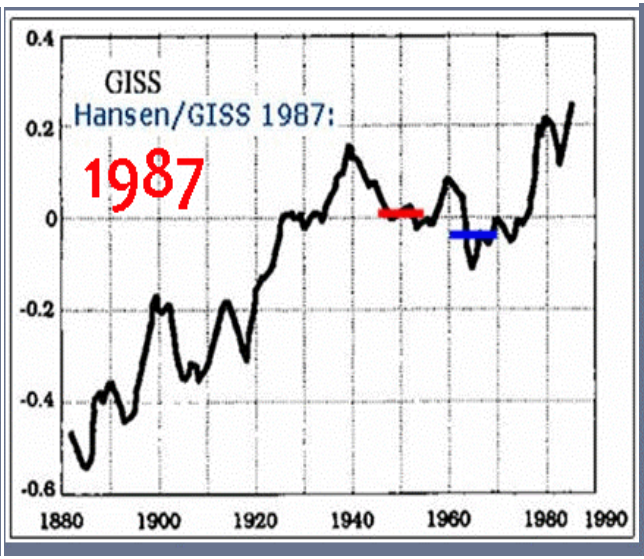
Manipulate The Data

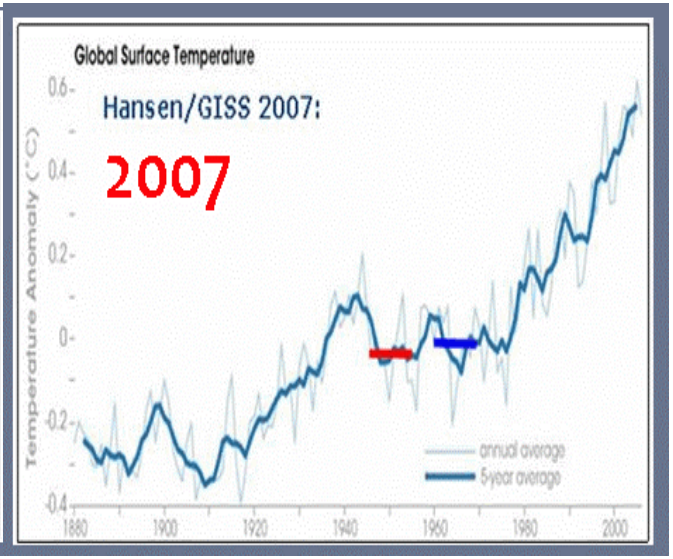
ADD "CORRRECTION FACTORS" TO THE RAW DATA

These charts are from Mr. James Hansen, head of the NASA/GISS global temperature data set. With each successive chart, the "old" raw data disappeared.

GISS Processing of Raw Temperature data turns cooling into warming!





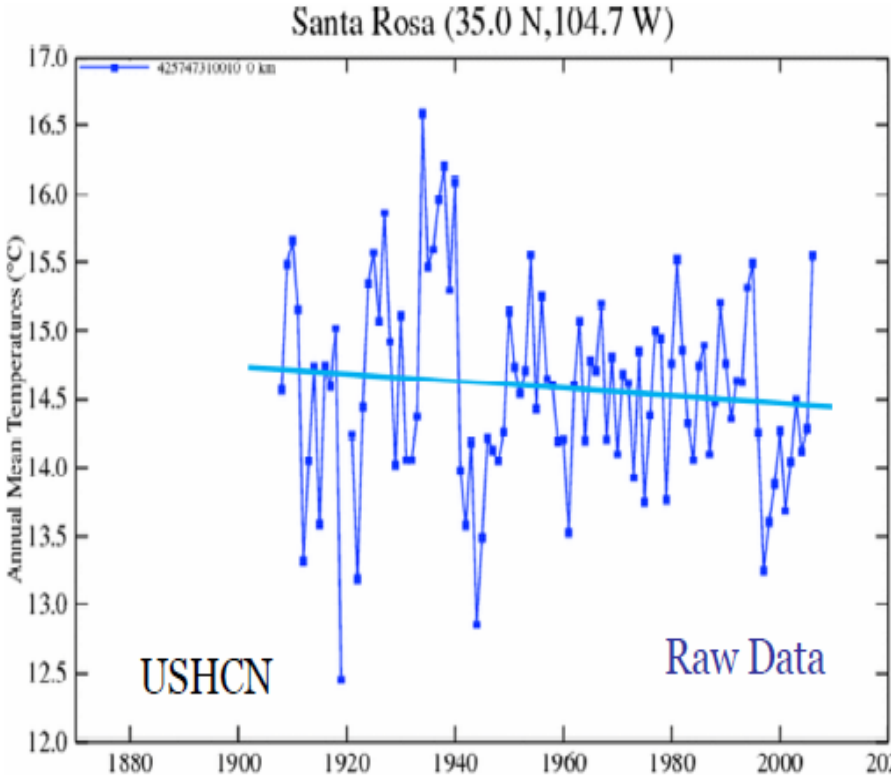


Manipulate The Data

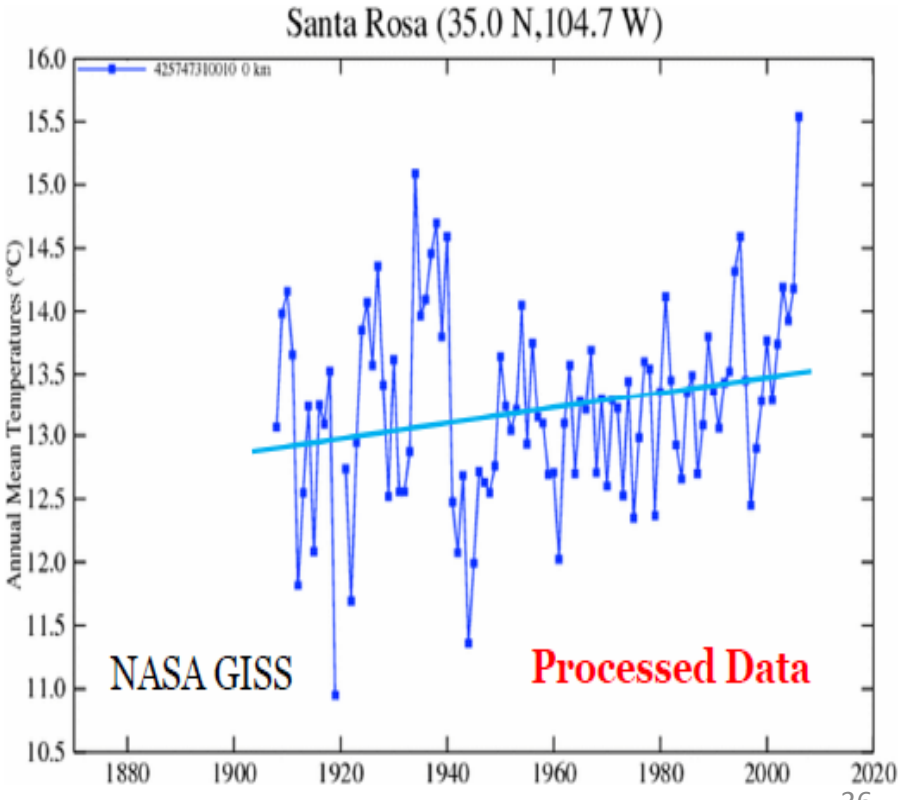
ADD "CORRRECTION FACTORS" TO THE RAW DATA

GISS Processing of Raw Temperature data turns cooling in Santa Rosa, CA into warming!

RAW DATA



"Processed" DATA

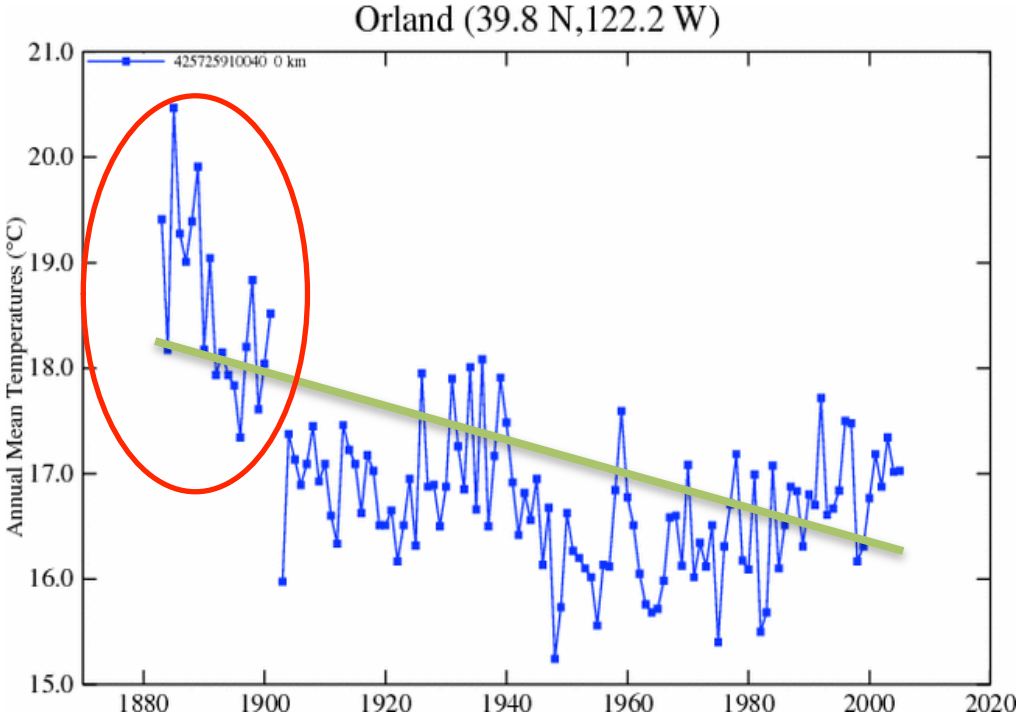


Manipulate The Data

ADD "CORRRECTION FACTORS" TO THE RAW DATA

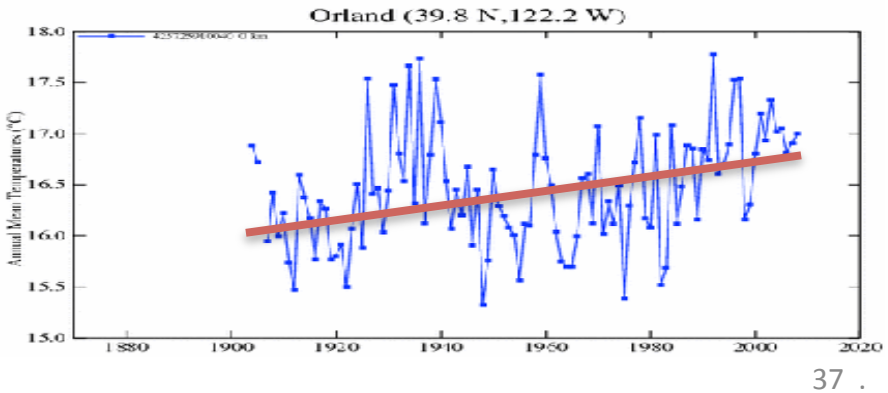
GISS Processing of Raw Temperature data turns cooling in Orland, CA into warming!

RAW DATA



"Processed" DATA

This graph shows the only data remaining. All data prior to 1900 has been "LOST". In addition, the temperatures prior to 1950 have been reduced by almost 1.0 Deg C.

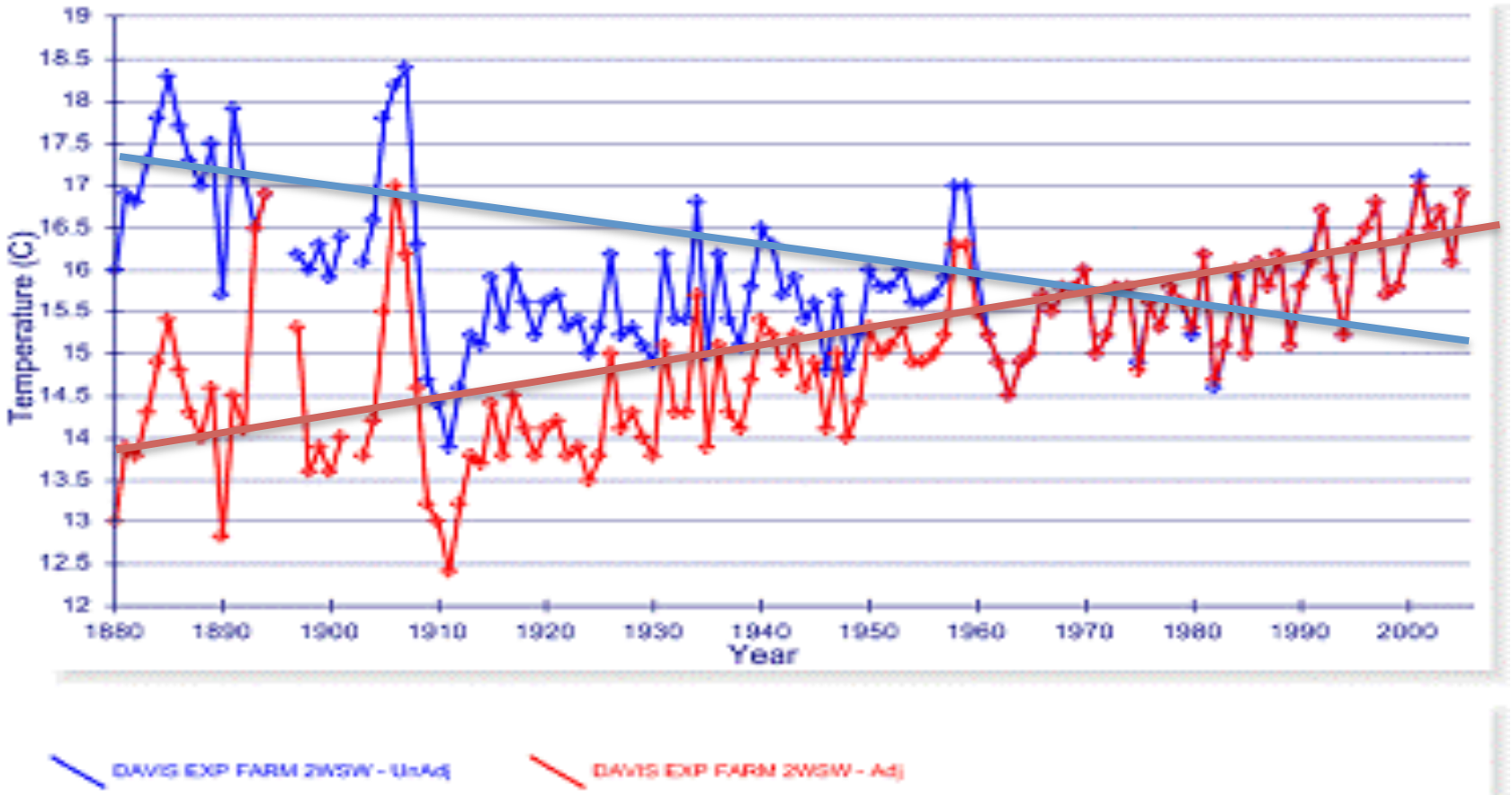


Manipulate The Data

ADD "CORRRECTION FACTORS" TO THE RAW DATA

GISS Processing of Raw Temperature data turns cooling into warming! (Davis, CA)

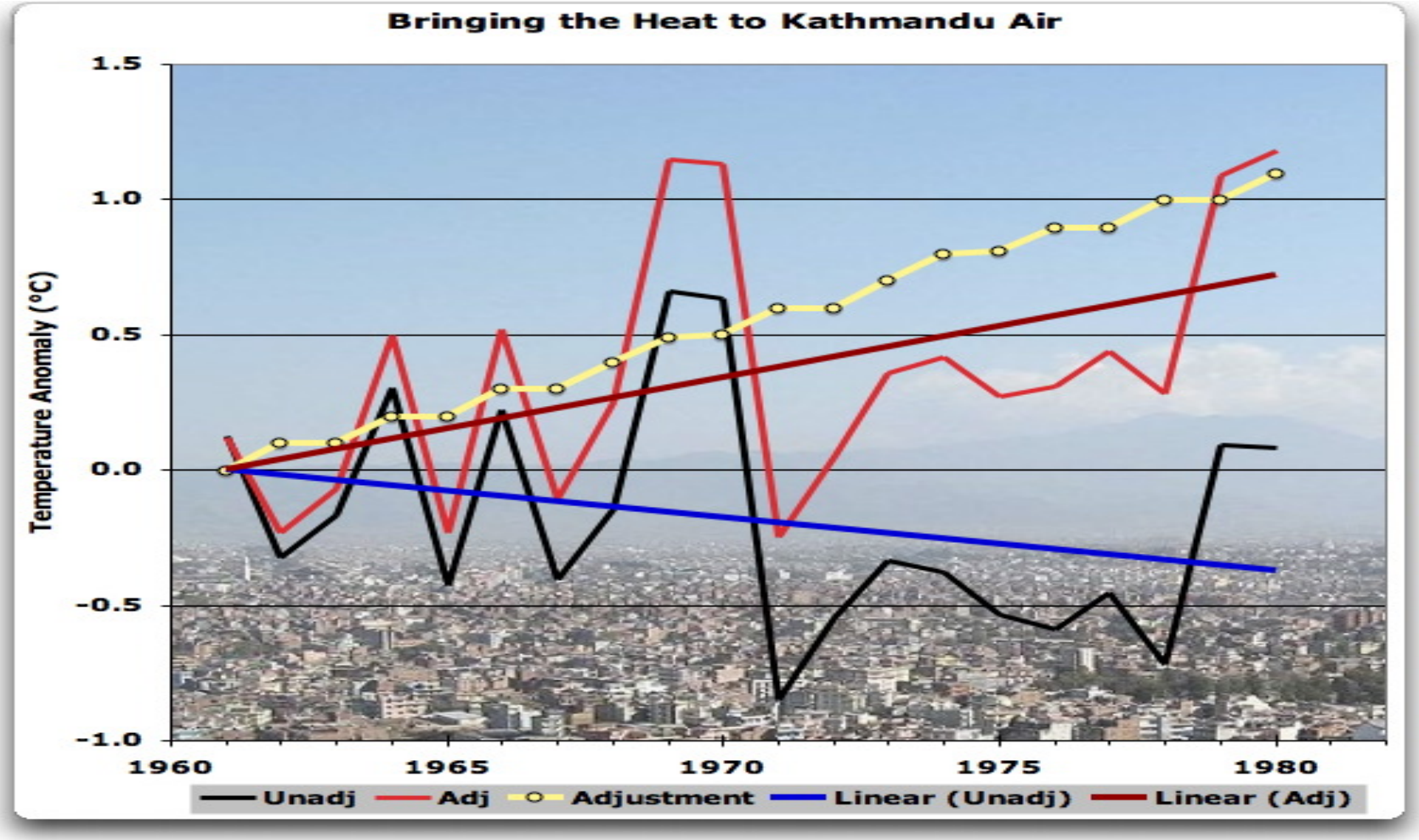
RAW DATA "Processed" DATA



Manipulate The Data

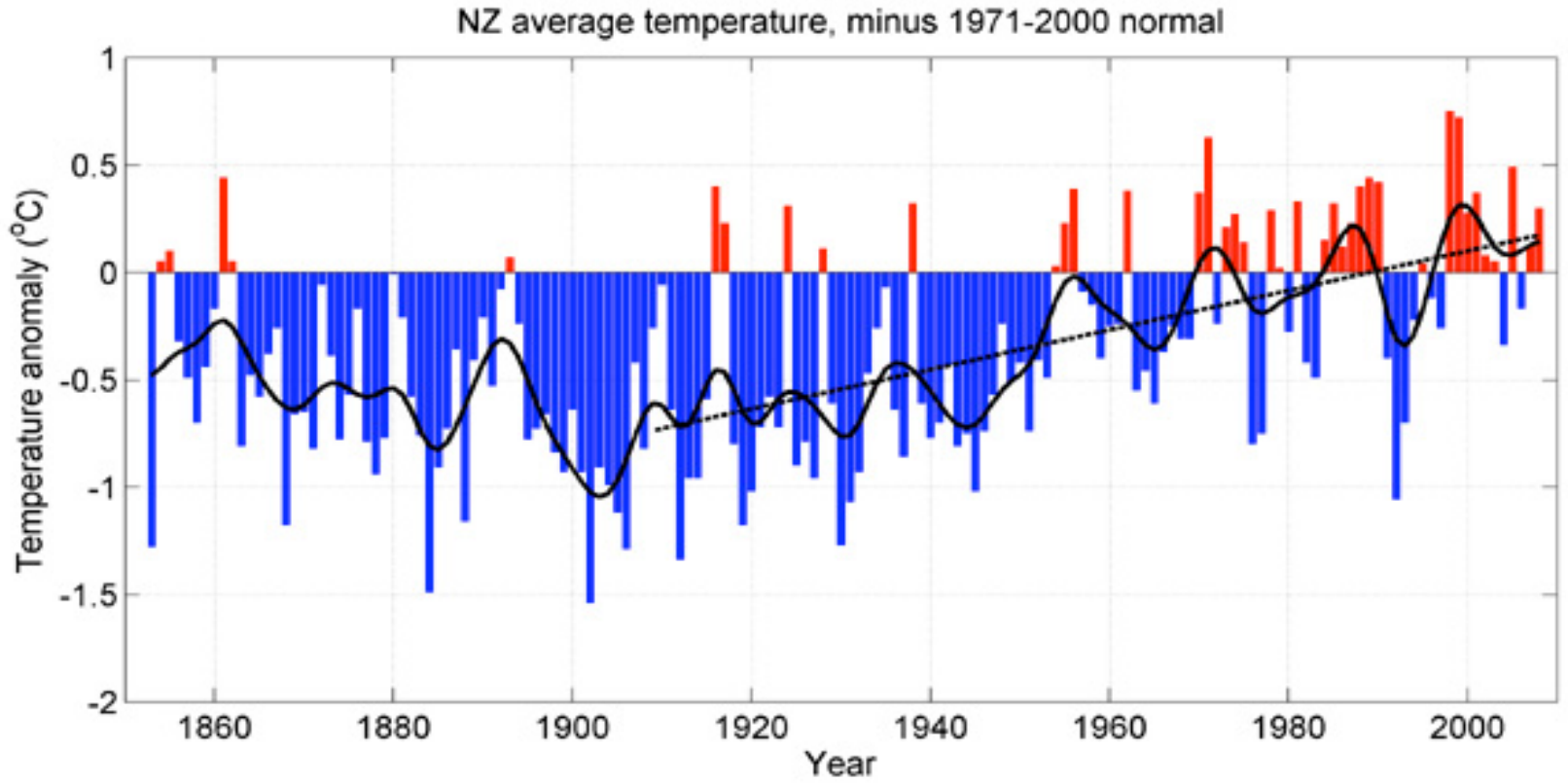
ADD "CORRRECTION FACTORS" TO THE RAW DATA

GISS Processing of Raw Temperature data turns cooling into warming! (Kathmandu, Nepal) (by Willis Eschenbach in WUWT 11 Aug 2010)



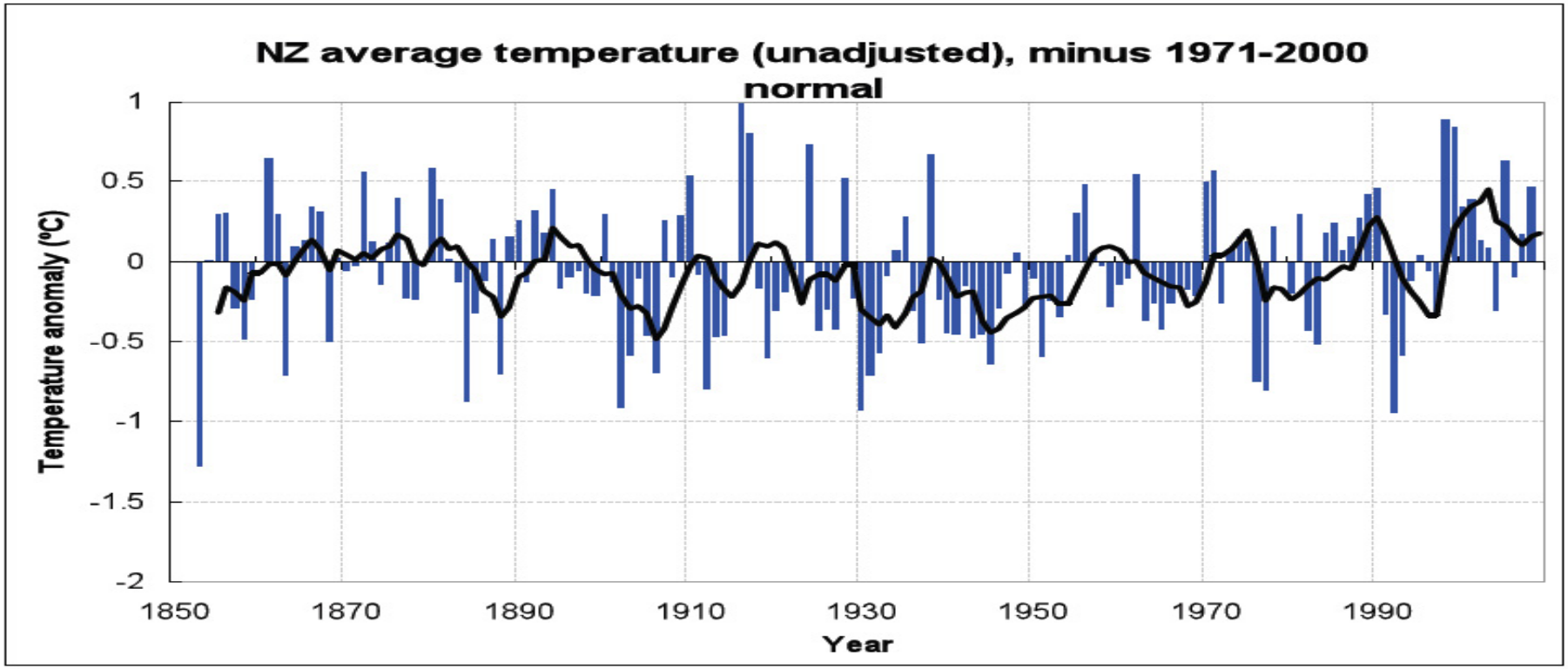
Manipulate The Data

- New Zealand's National Institute of Water & Atmospheric Research (NIWA)
- National Climate Database
- Centerpiece of Warming Claims
- New Zealand Government Wants Carbon Trading Scheme
- Raw Data Available Online



Manipulate The Data

Mr. Treadgold did that, and compiled his own graph directly from the published data. He registered on NIWA's web site, downloaded the data he needed, made his own graph, & was surprised to get this:



Why does NIWA's graph show strong warming, while the graph compiled from their own raw data looks completely different? Why does their graph show warming, while the actual temperature readings show none whatsoever?

Have the readings in the official NIWA graph been adjusted?

(10/6/10 update – NIWA is being sued in court and now claim no responsibility for the NZTR.)

Mr. Treadgold and his colleagues compared NIWA's raw temperature data for each station with the adjusted official data. Requests for this information from Dr. Salinger himself (of NIWA), by different scientists, had long gone unanswered.

There were no reasons for any large corrections. Mr. Treadgold found that very substantial adjustments had been made. About half the adjustments created a warming trend where none existed in reality; the other half greatly exaggerated existing warming. All the adjustments (but 1) either created or increased the warming trend.

The truth is that the oldest readings have been cranked way down and later readings artificially lifted to give a false impression of warming, as shown above, and in a fashion very similar to that documented for the corrupt NASA/GISS temperature dataset.

There was nothing in the station histories to warrant these adjustments. To date, despite requests, Dr. Salinger and NIWA have not revealed why they made them.

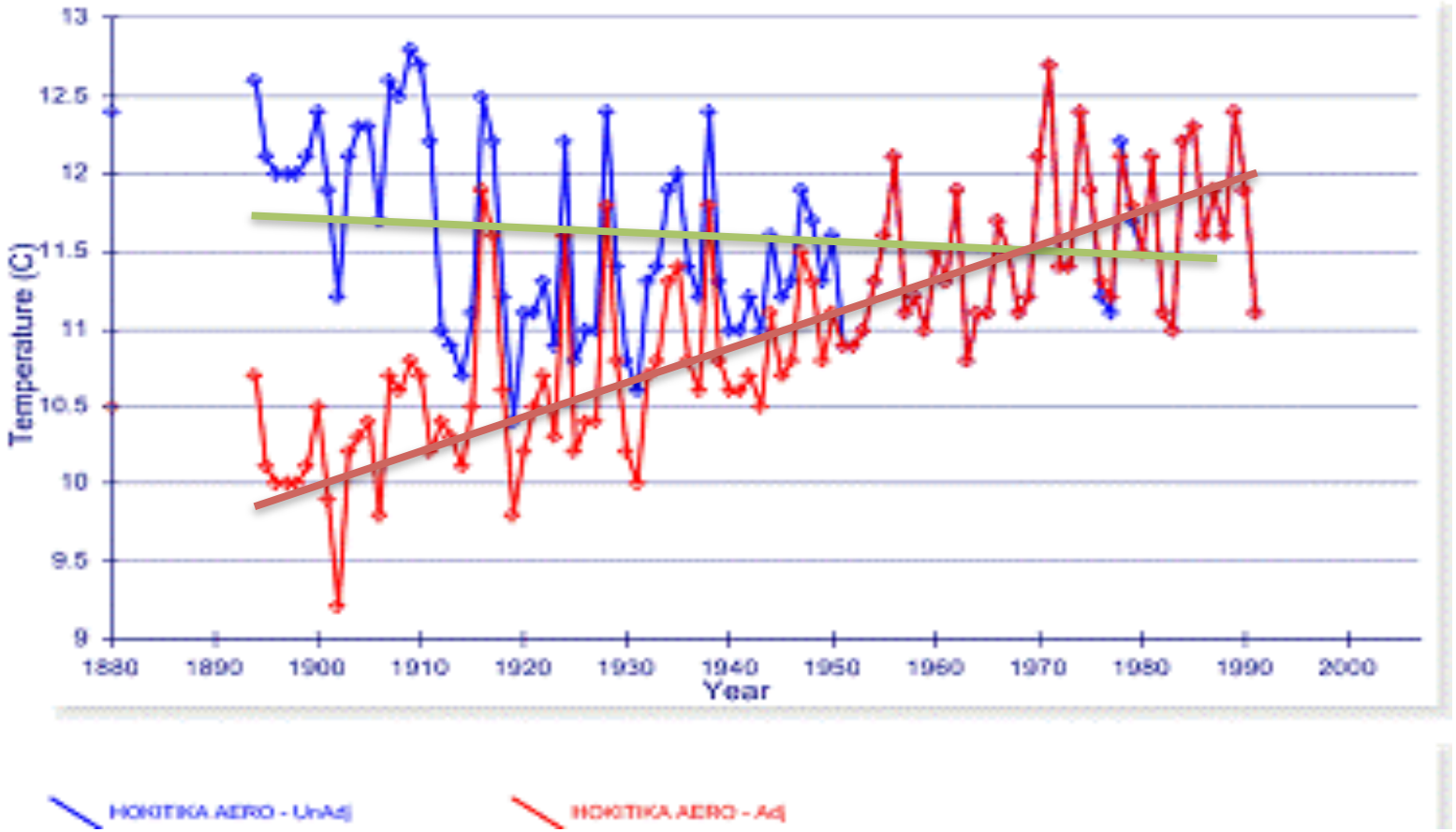
One station, Hokitika, had its early temperatures reduced by a staggering 1.3 °C (2.3 °F), creating an artificial strong warming from a real mild cooling.

Manipulate The Data

ADD "CORRRECTION FACTORS" TO THE RAW DATA

GISS Processing of Raw Temperature data turns cooling into warming! (Hokitika, New Zealand)

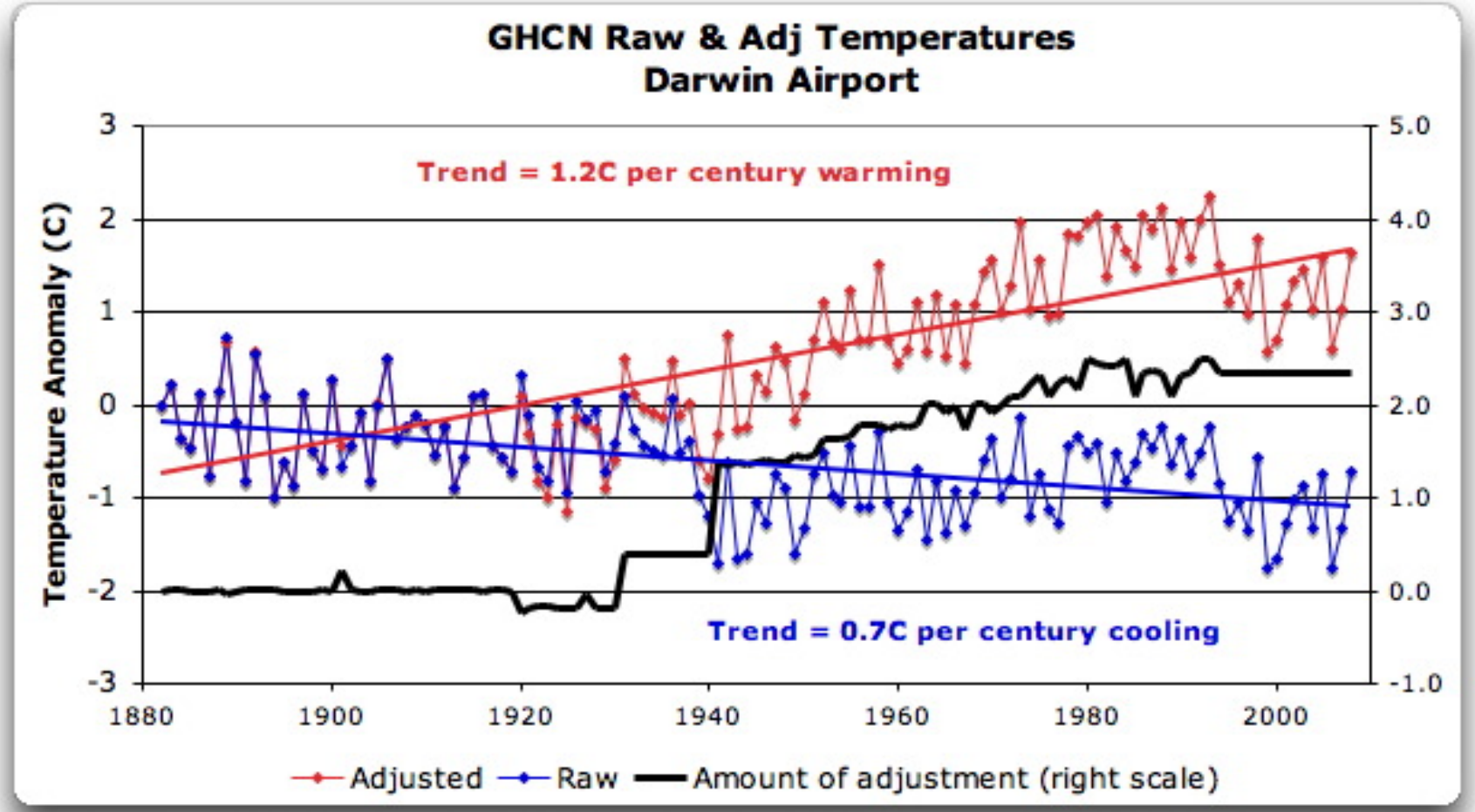
RAW DATA "Processed" DATA



- Darwin International Airport in Australia
- Plots GHCN Raw versus "*homogeneity-adjusted*" temperature data
- The "*adjustments*" reversed the 20th-century cooling trend from falling temperatures of 0.7°C per century, to rising temperatures of 1.2°C per century.

This is fraudulent science at its worst - manipulation of data for a political agenda.

(from Willis Eschenbach's *WUWT* essay)



Refuse to Provide Data or Methods

When Australian scientist Warrick Hughes asked CRU director Phil Jones for some of the original data used in a report, this is what Dr. Jones wrote back in a February 2005 email:

"We have 25 years or so invested in the work. Why should I make the data available to you, when your aim is to try and find something wrong with it..?"

(Wall Street Journal July 12, 2010)

Refuse to Provide Data or Methods

- e-mail from Phil Jones to Michael Mann
- Refers to two scientists requesting raw data and computer codes used by Jones at the CRU for climate graphs and models, in order to 'fact-check' the published conclusions

"The two MMs [McKittrick & Michaels] have been after the CRU station data for years. If they ever hear there is a Freedom of Information Act now in the U.K., I think I'll delete the file rather than send to anyone. . . . We also have a data protection act, which I will hide behind."

Control Who Is "Allowed" To Be Published

A long series of email communications discuss how best to squeeze dissenting scientists out of the peer review process.

From Dr. Mann:

"This was the danger of always criticising the skeptics for not publishing in the 'peer-reviewed literature'. Obviously, they found a solution to that –take over a journal! So what do we do about this? I think we have to stop considering 'Climate Research' as a legitimate peer-reviewed journal. Perhaps we should encourage our colleagues in the climate research community to no longer submit to, or cite papers in, this journal. We would also need to consider what we tell or request of our more reasonable colleagues who currently sit on the editorial board…What do others think?"

"I will be emailing the journal to tell them I'm having nothing more to do with it until they rid themselves of this troublesome editor." …"He has let a few papers through by Michaels and Gray in the past. I've had words with Hans von Storch about this, but got nowhere."

Control Who Is "Allowed" To Be Published

In one e-mail, under the subject line "*HIGHLY CONFIDENTIAL*," Phil Jones of East Anglia writes to Michael Mann of Penn State:

"I can't see either of these papers being in the next IPCC report. Kevin and I will keep them out somehow -- even if we have to redefine what the peer-review literature is!"

Ignore The Data
Just Use Computer Models

"The models are convenient fictions that provide something very useful."

Dr. David Frame, climate modeler, Oxford University

"The data doesn't matter. We're not basing our recommendations on the data. We're basing them on the climate models."

*** *Dr. Chris Folland, Hadley Centre for Climate Prediction & Research * ***

(http://www.c3headlines.com/global-warming-quotes-climate-change-quotes.html)

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Climate change: this is the worst scientific scandal of our generation

Our hopelessly compromised scientific establishment cannot be allowed to get away with the Climategate whitewash, says Christopher Booker.

By Christopher Booker
Published: 6:10PM GMT 28 Nov 2009

Share

"….their authors are not just any old bunch of academics. Their importance cannot be overestimated. What we are looking at here is the small group of scientists who have for years been more influential in driving the worldwide alarm over global warming than any others, not least through the role they play at the heart of the UN's Intergovernmental Panel on Climate Change (IPCC)."

Frank J. Tipler, professor of mathematical physics at Tulane University, on the true significance of Climategate:

"The now non-secret data prove what many of us had only strongly suspected - that most of the evidence of global warming was simply made up. That is, not only are the global warming computer models unreliable, the experimental data upon which these models are built are also unreliable. As Lord Monckton has emphasized here at Pajamas Media, this deliberate destruction of data and the making up of data out of whole cloth is the real crime - the real story of Climategate. It is an act of treason against science."

Ignore The Data Just Use Computer Models

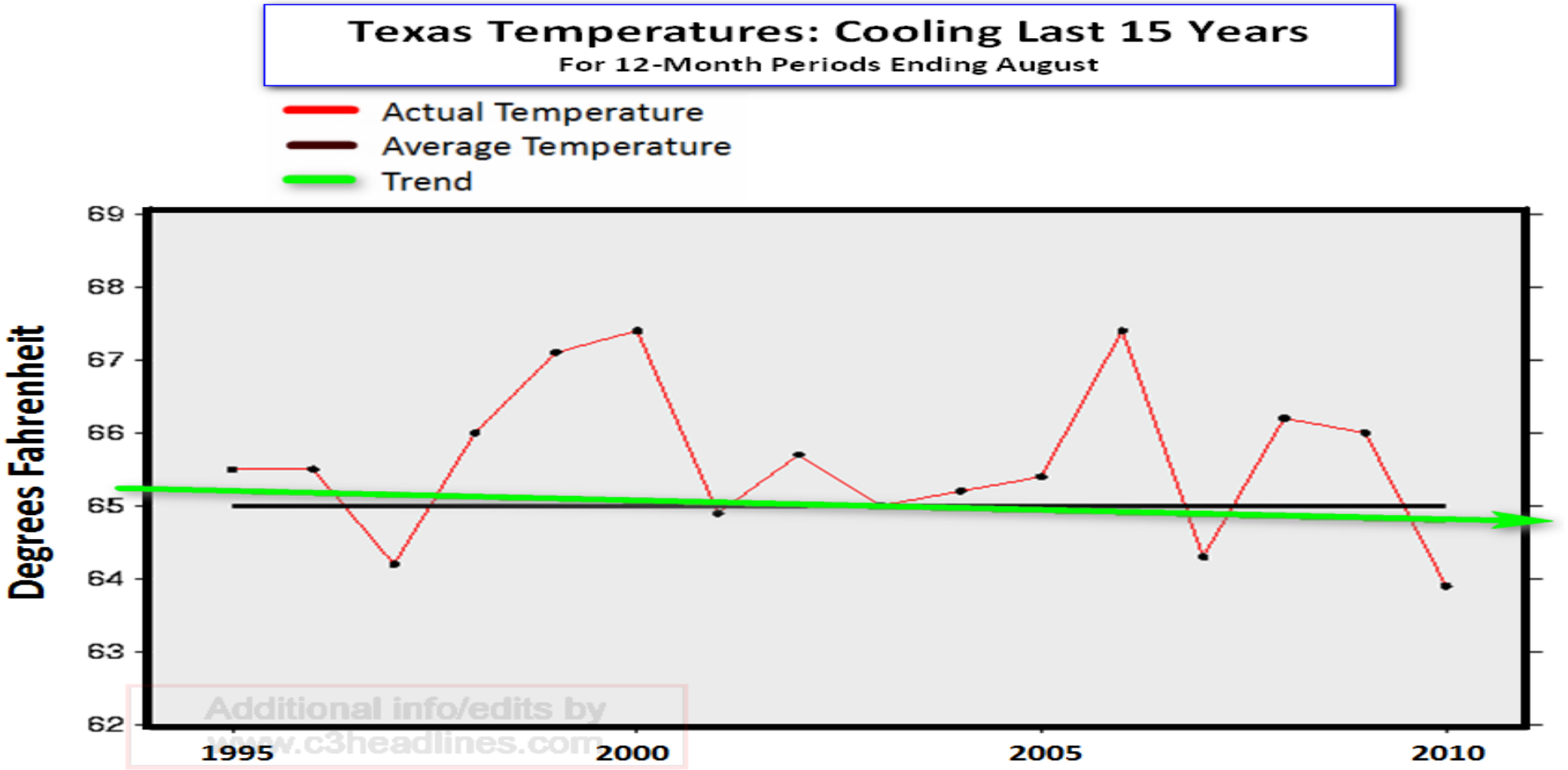
- Texas A&M atmospheric sciences professor John Nielsen -Gammon:
  - 1° increase each decade in Texas
  - 2060: 5° hotter than now
  - Within a few decades: triple-digit temperatures will be the norm
  - 115-degree heat won't be surprising, according to the state climatologist.
  - "Decade by decade it's been getting warmer," Nielsen -Gammon said. "From here going forward, if temperatures keep rising as the models project they will, it will certainly be in large part due to global warming."

Source: USA Today 10/5/10 LUBBOCK, Texas (AP)

Ignore The Data Just Use Computer Models

USA Today 10/5/10 LUBBOCK, Texas (AP) —

"Decade by decade it's been getting warmer," Nielsen-Gammon said.



Source: http://www.ncdc.noaa.gov/oa/climate/research/cag3/cag3.html

From September 1995 through August 2010, Texas temperatures have not warmed, but instead have experienced a tiny cooling. This is totally contrary to the alarmist CO2-based AGW hypothesis.

The Problem is NOT with the Data.

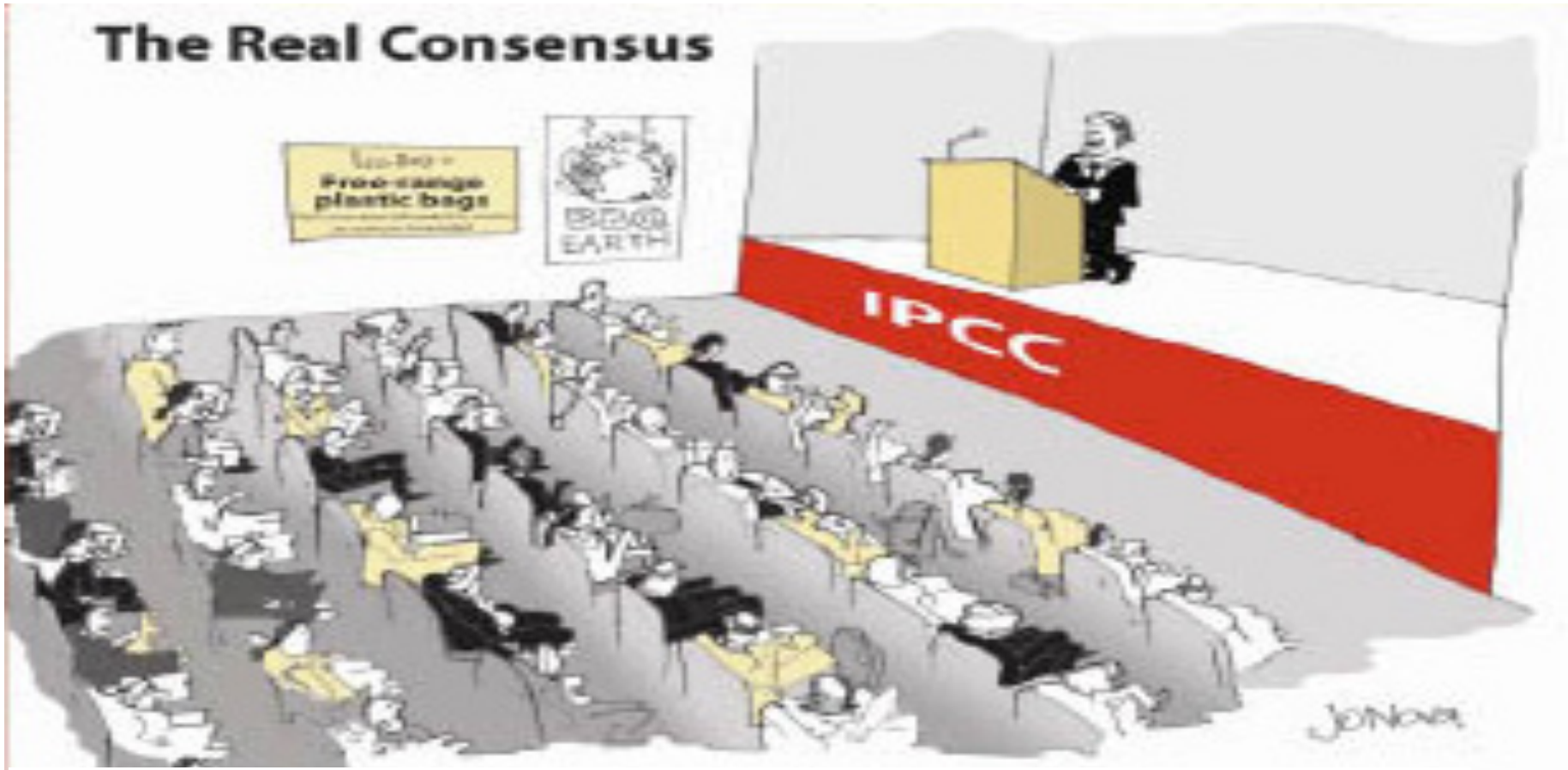
The problem is that the data has been "Cherry Picked", "Manipulated", "Hidden" and "Ignored"

It has been so twisted, stretched, mangled, distorted, and corrupted that it might as well have been 'water-boarded'.

As Ronald Coase said:

"If you torture the data long enough, it will confess to anything."

Only $70-80 Million has been spent on general climate research. But over $90 Billion has been spent funding "Global Warming" research. (1000 times more).



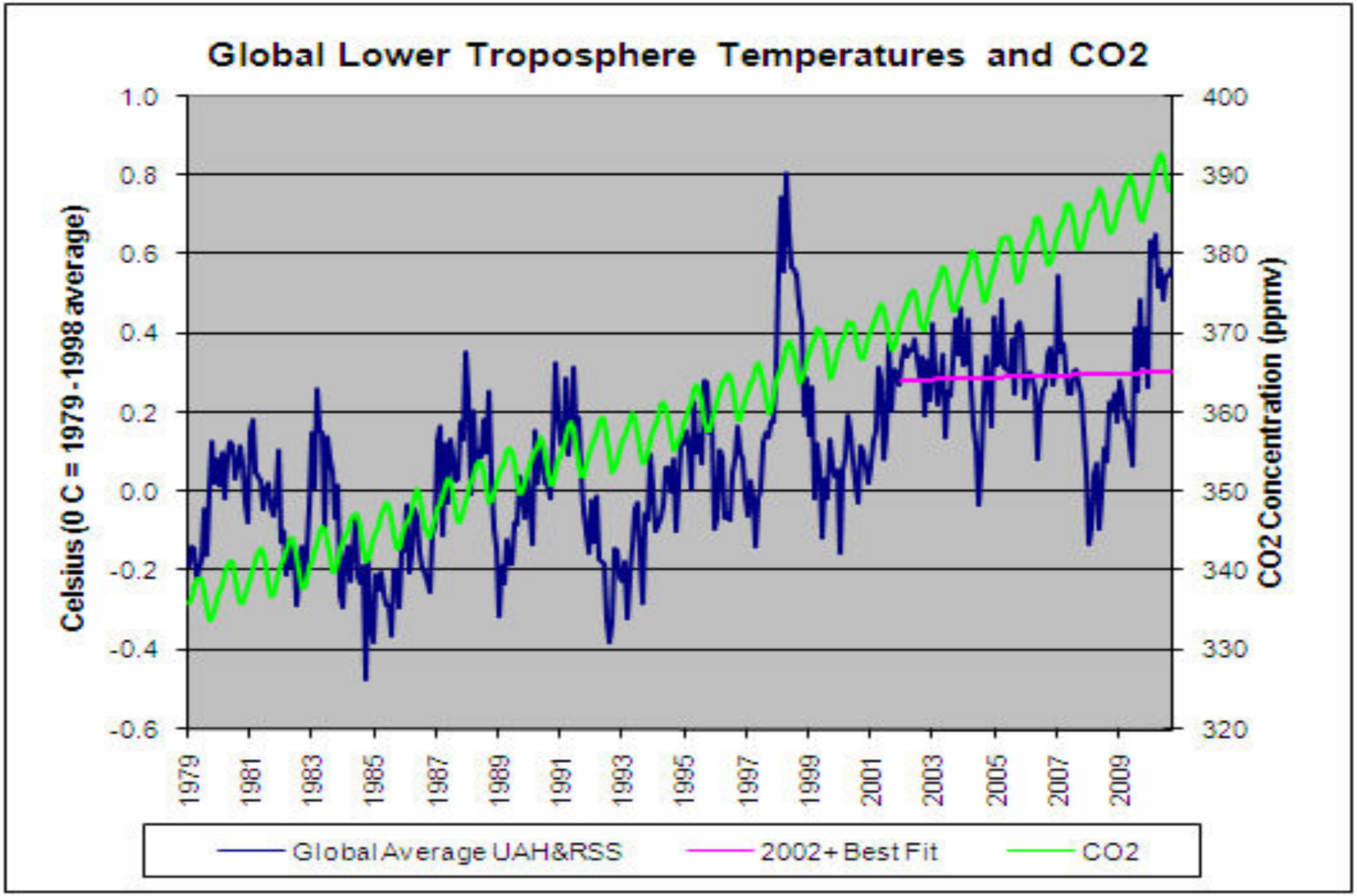
Hands-up. Who thinks greenhouse gasses have no effect, therefore we all need new jobs? Anyone??

CLAIM #1 – THE TEMPERATURES HAVE NEVER BEEN THIS HIGH AND IT IS GETTING WARMER.

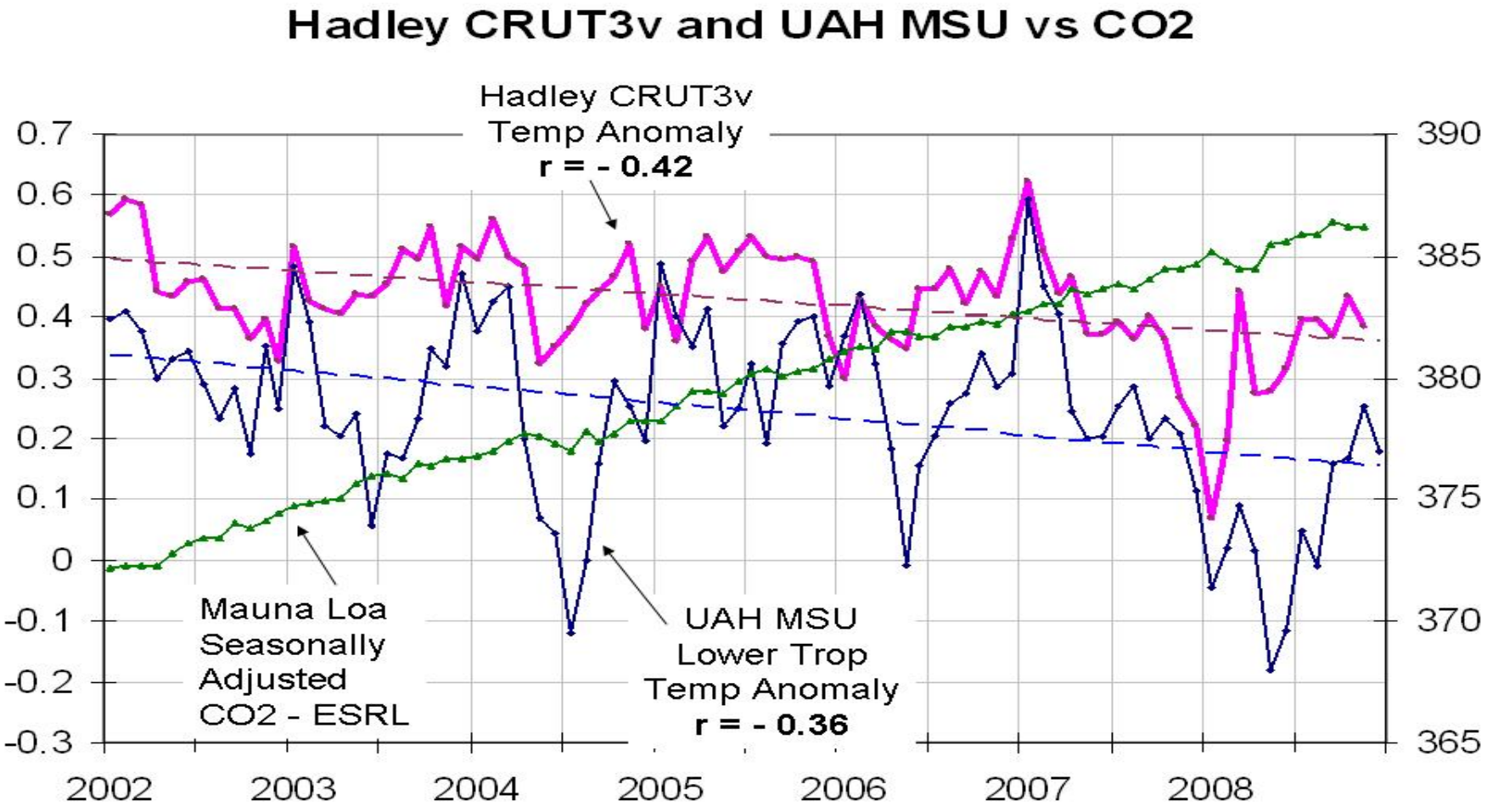
This is FALSE – The Earth has actually been as warm or much warmer many times in the past. In addition – The Earth has been cooling for the past 10 years.

Continent	*All-time High*	*Place*	*Date*
Africa	136	El Azizia, Libya	September 13, 1922
North America	134	Death Valley, CA	July 10, 1913
Asia	129	Tirat Tsvi, Israel	June 22, 1942
Australia	128	Cloncurry, Queensland	January 16, 1889
Europe	122	Seville, Spain	August 4, 1881
South America	120	Rivadavia, Argentina	December 11, 1905
Oceania	108	Tuguegarao, Philippines	April 29, 1912
Antarctica	59	Vanda Station, Scott Coast	January 5, 1974

This shows the temperature changes of the lower troposphere up to about 8 km. The data are from UAH and RSS analysis. The green line shows the CO2 concentration in the atmosphere, as measured at Mauna Loa, Hawaii.



Globally Averaged Temperature has Declined this Decade as Atmospheric Carbon Dioxide has Increased



Non-Treering Temperature Data Showing The Medieval Warm Period was 1-2 Degrees (F) warmer than present.

(2000 Year Period) *Loehle 2007 - Energy & Environment* 18(7-8): 1049-1058

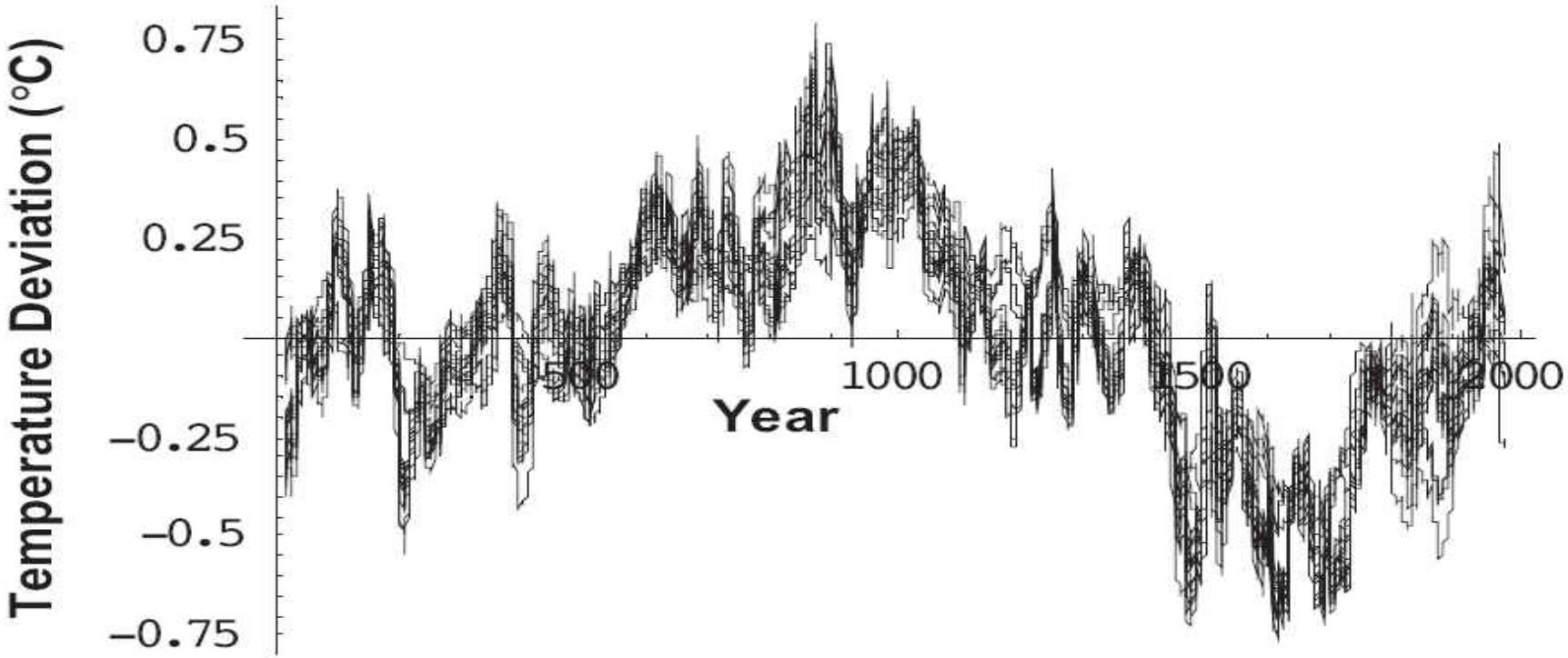
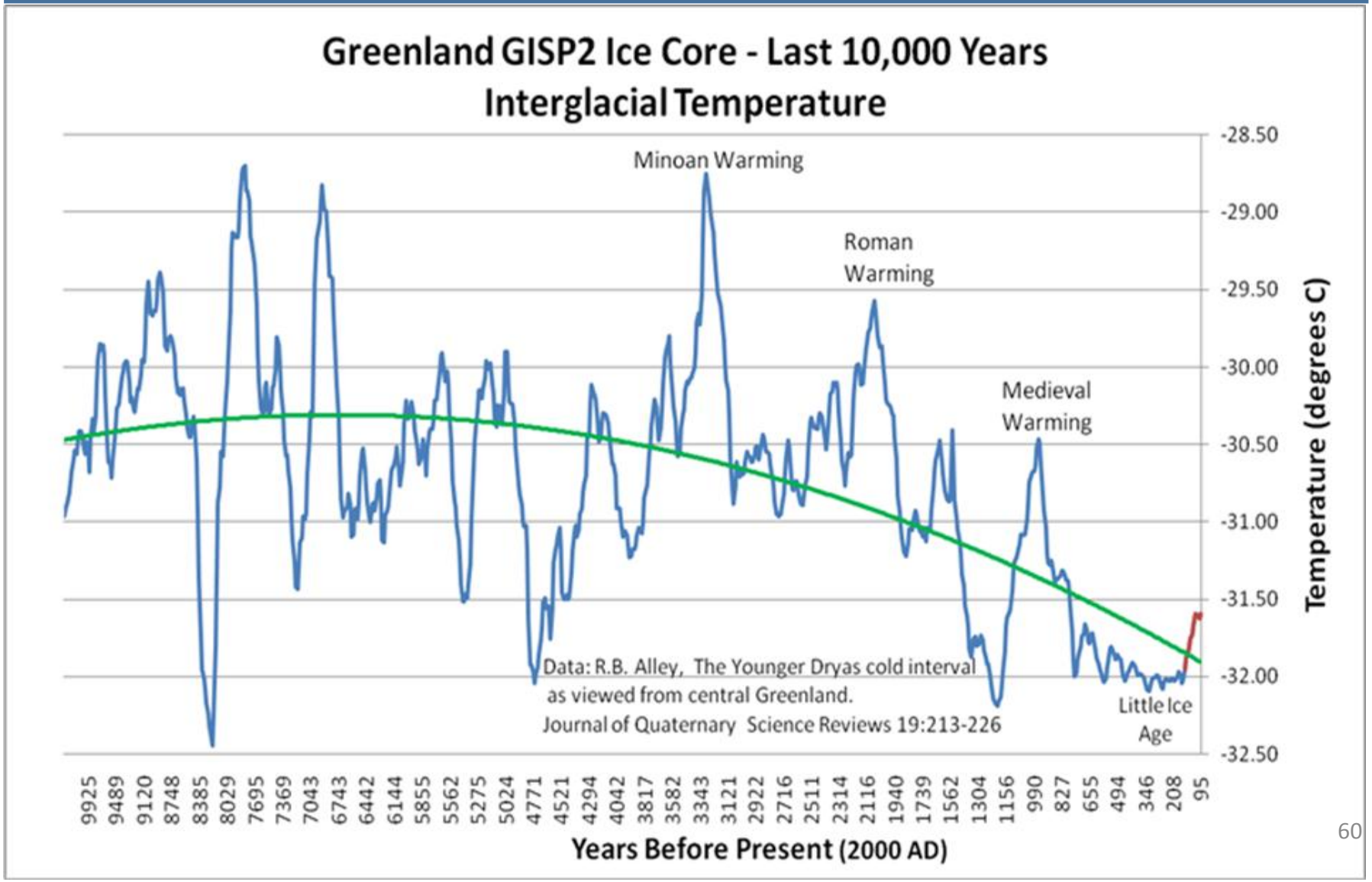
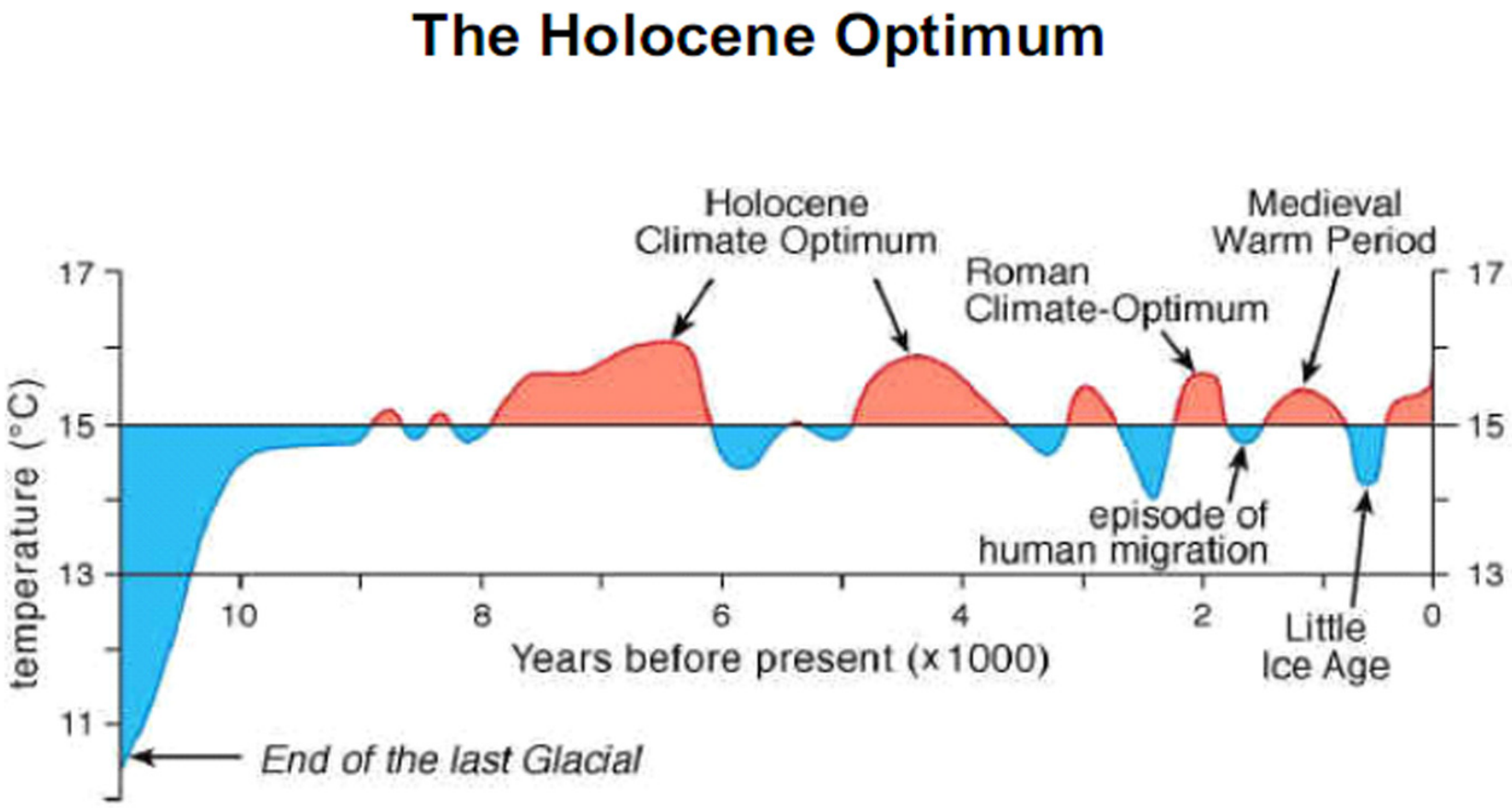


Figure 3. Random selection of 14 data sets at a time without duplicates, repeated 18 times, then overlaid, showing robustness of the pattern.

Climate History for the last 10,000 years
(Again, the current warm period is NOT unusual.)



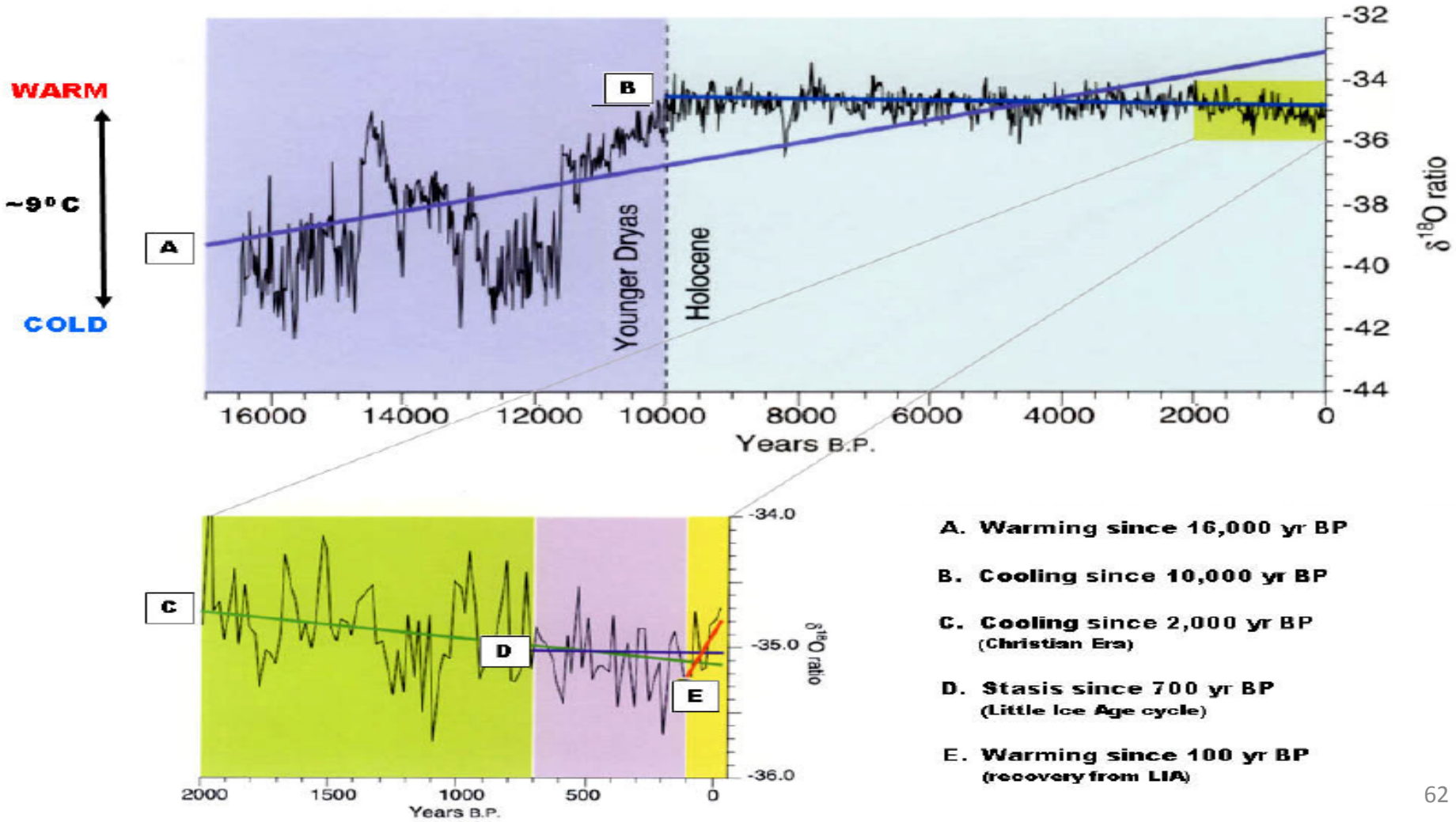
Climate History for the last 11,000 years
(Again, the current warm period is NOT unusual.)



Average near-surface temperatures of the northern hemispere during the past 11.000 years (after Dansgaard et al., 1969, and Schönwiese, 1995)

Global Temperature Over the Last 16,000 Years

Note the DECREASING temperature for last 10,000 years.



A. Warming since 16,000 yr BP

B. Cooling since 10,000 yr BP

C. Cooling since 2,000 yr BP
(Christian Era)

D. Stasis since 700 yr BP
(Little Ice Age cycle)

E. Warming since 100 yr BP
(recovery from LIA)

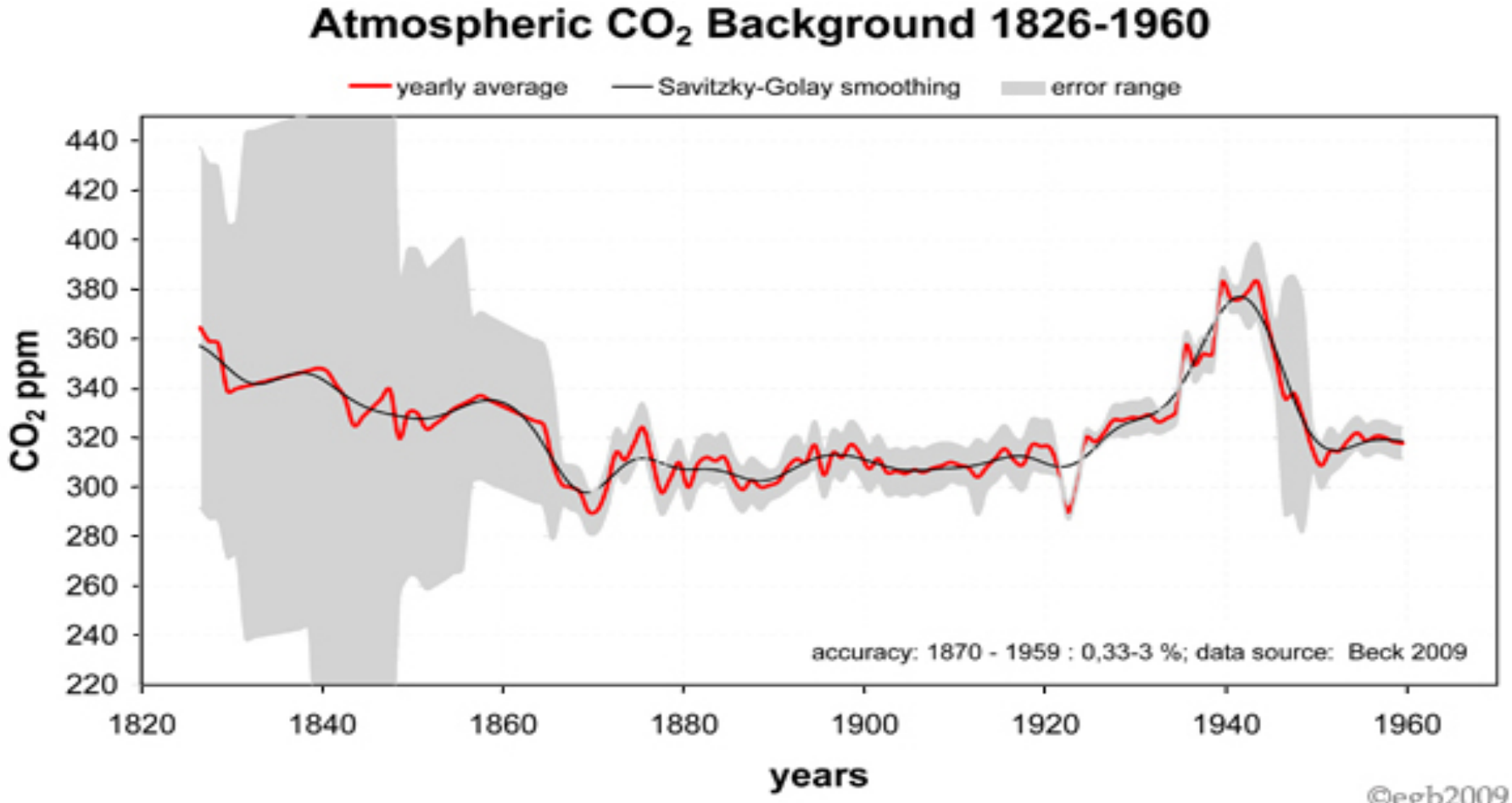
So, now we have shown beyond a doubt, that the first claim of the alarmists is False.

CLAIM #2 – CO2 levels have never been this high! And 'Man-Made' CO2 is the cause of increased Warming!

One can see in the next few slides, that direct measurements have been made for the past 190 years and today's level is not unusual.

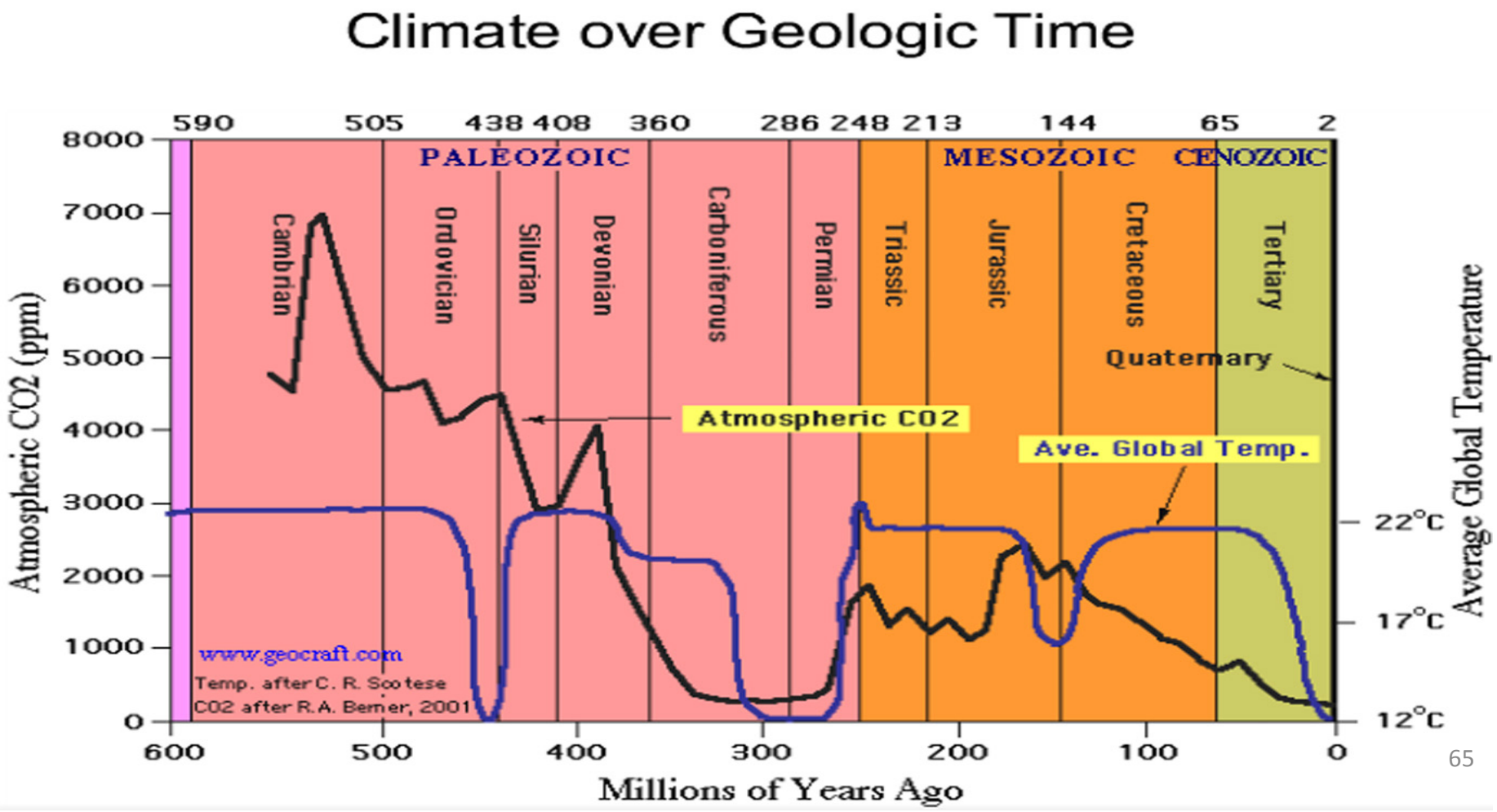
CO2 Levels 1825-1960

Since the late 1820's, Nobel Prize chemists and scientists have been measuring CO2 levels by direct chemical measurement with accuracies of better than 3% after 1870.

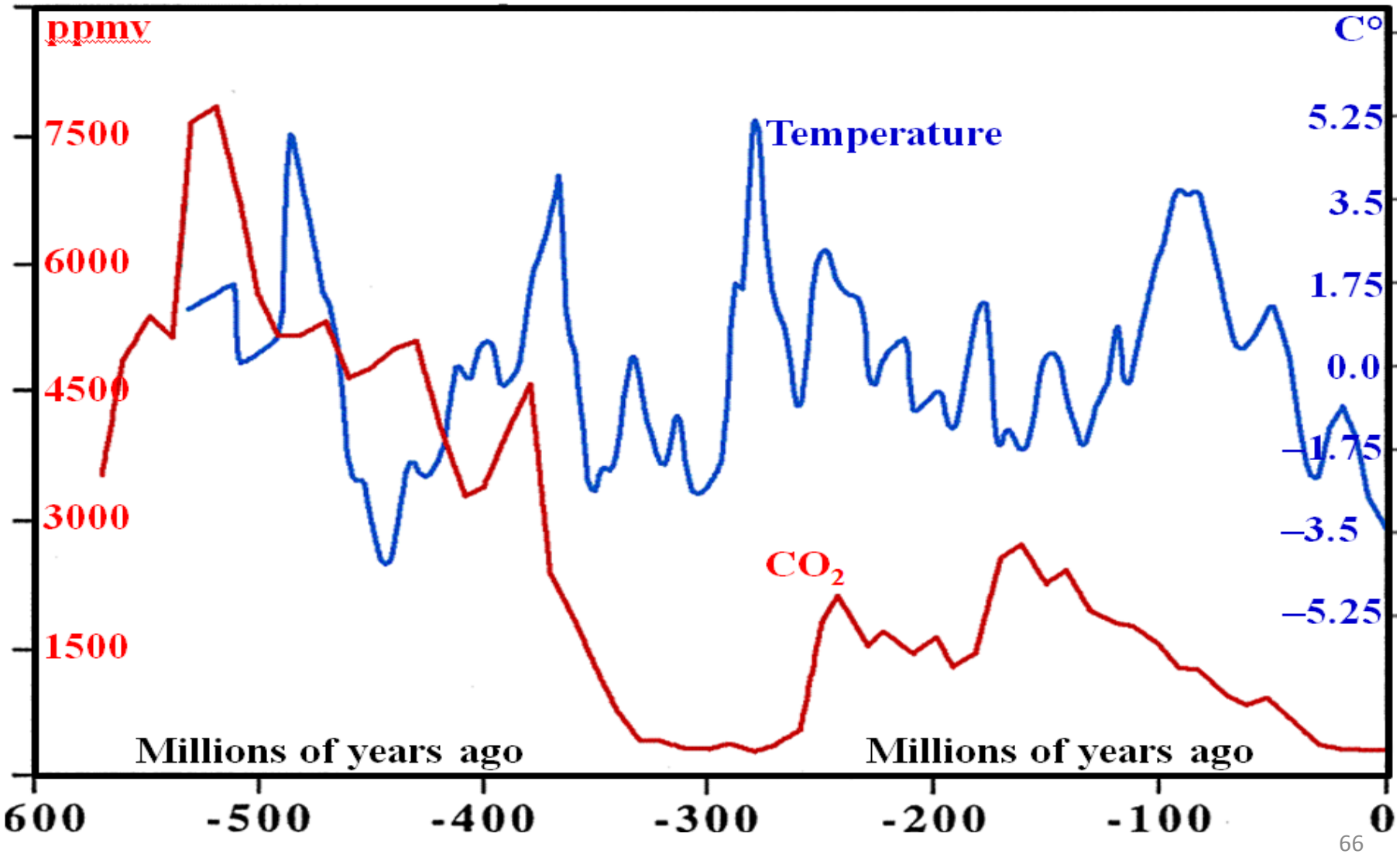


There is no correlation in the geologic record between atmospheric CO2 and global temperature.

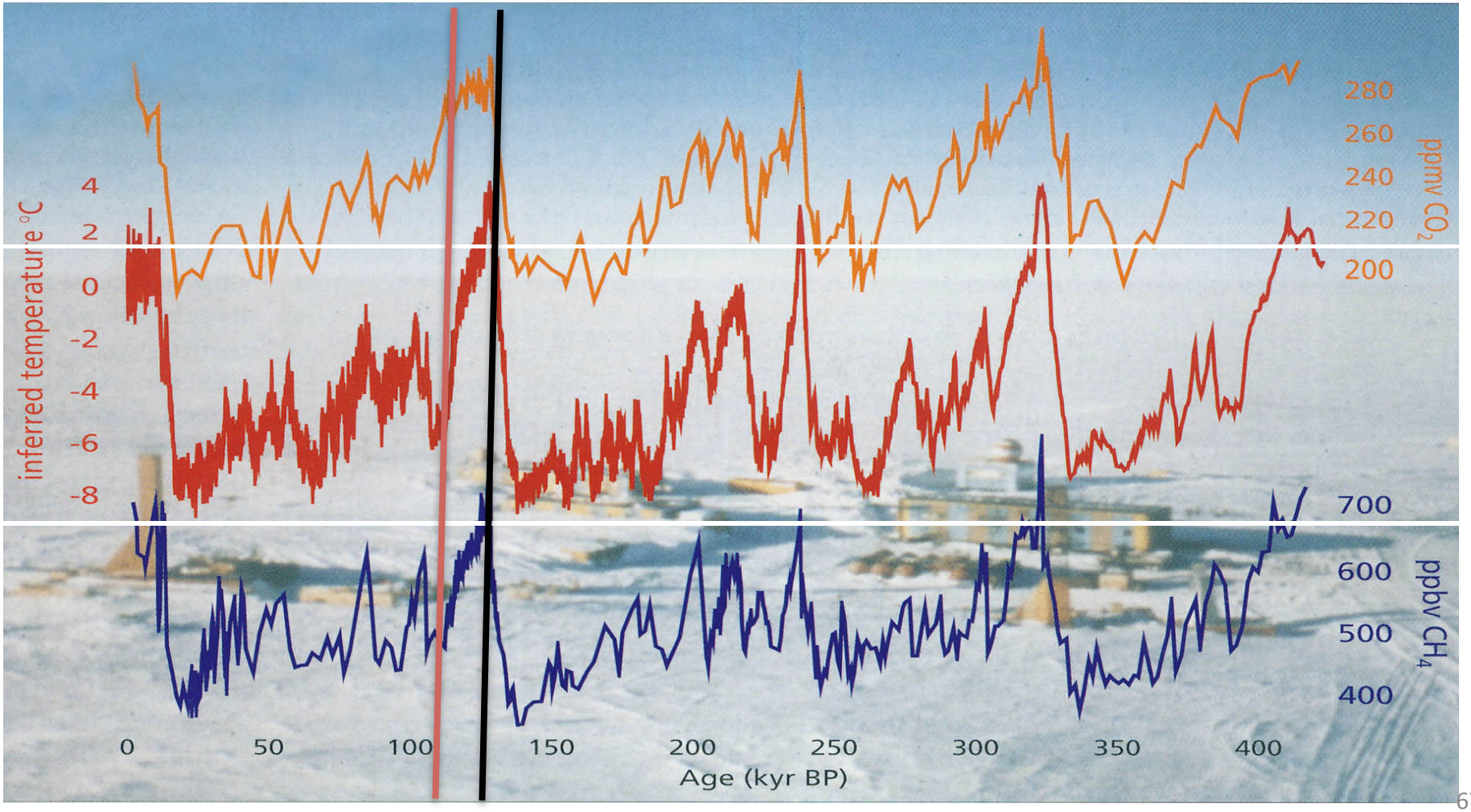
The Earth went into an ice age 450 million years ago – despite a level of atmospheric CO2 that was 10 times the current level. There was only one time when the CO2 levels were as low as they are today.



Climate History for the last 600 million years (Note low CO2 today and 300 million years ago)



Ice Core Data show Ice Ages dominate climate (Ice Age onset and retreat is very rapid) NOTE: CO2 Change follows temperature change!



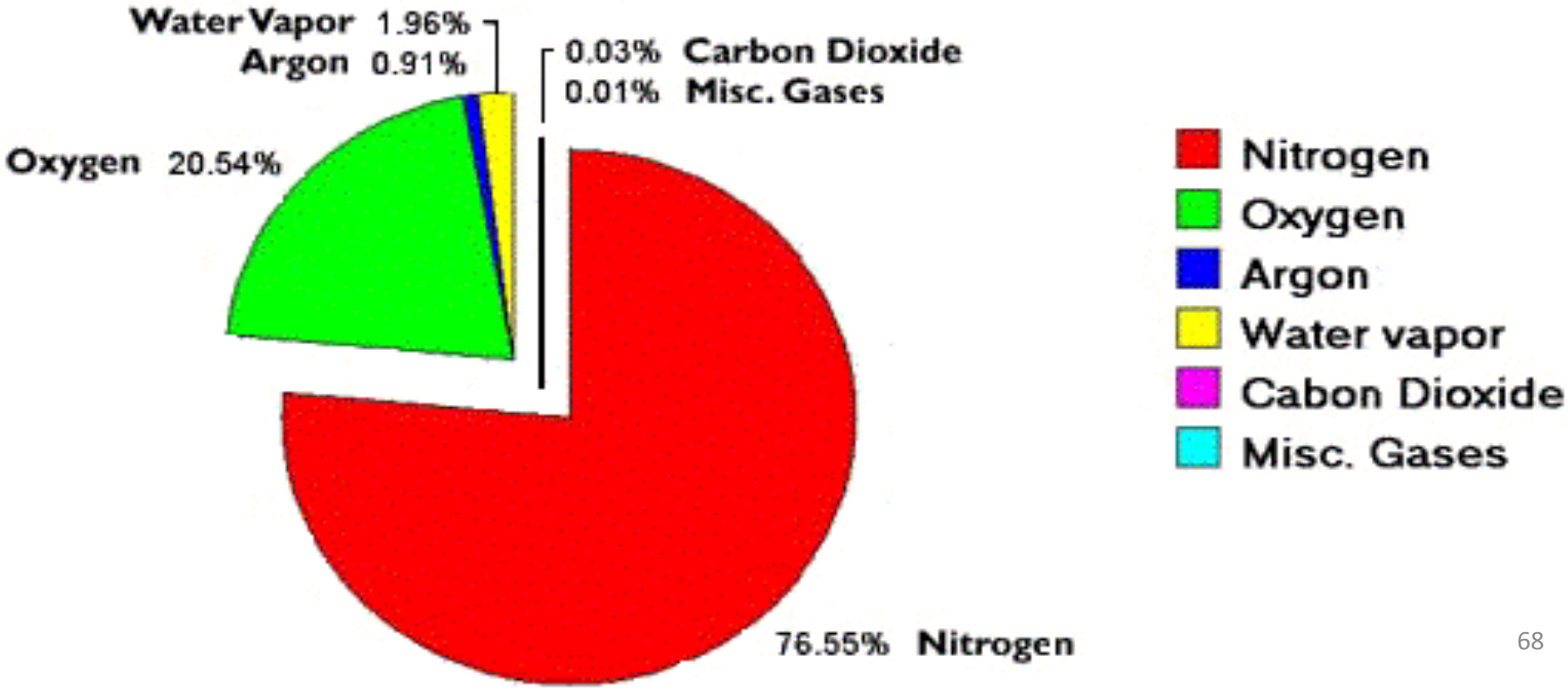
The Science of CO2

The Gases That Comprise Earth's Atmosphere

Nitrogen & Oxygen make up 97%

Greenhouse Gases are 3%, and of that,

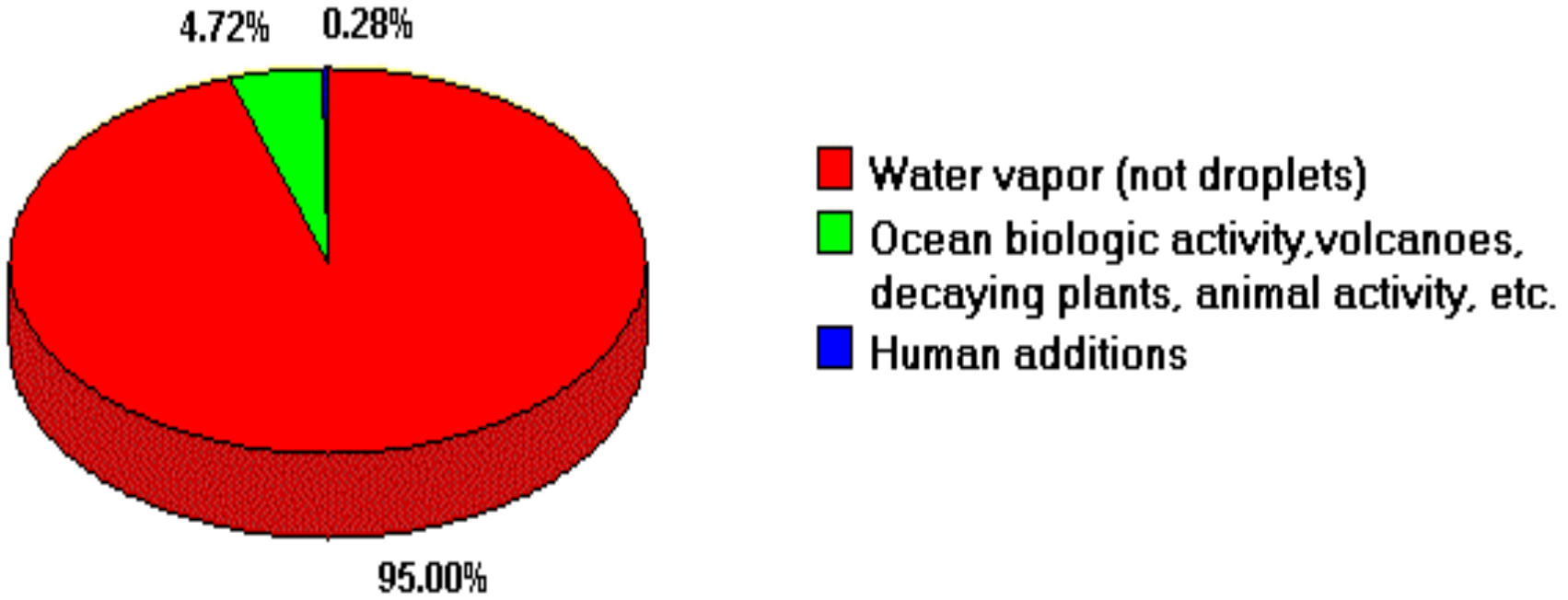
Water Vapor = 1.96% & CO2 = 0.04% (400 ppm)



Human Contribution to Greenhouse Gasses = 0.28%

Sources of Greenhouse Gases

Contributions to the "Greenhouse Effect" expressed as % of total



NOTE: "Contributions" are defined as concentrations adjusted for GWP (global warming potential, relative to CO2).

MAN'S CONTRIBUTION TO THE GREENHOUSE EFFECT

All Greenhouse Gasses

Water Vapor	95.0%
CO2	3.6%
Nitrous Oxide	.96%
Methane	.37%
CFC's & Other	.07%
TOTAL =	100%

Manmade Greenhouse Gasses

Water Vapor	0.001%
CO2	3.4%
Nitrous Oxide	4.8%
Methane	18.3%
CFC's & Other	65.5%
TOTAL =	100%

TOTAL HUMAN CONTRIBUTION TO GREENHOUSE EFFECT = 0.28%

The Warming Effect of Atmospheric CO2

Anthropogenic warming is real, but also miniscule. The first 20 ppm of CO2 has more effect than the next 400 ppm. From the current level of 380 ppm, it is projected to rise to 420 ppm by 2030. Using the temperature response by Idso (1998), this equates to a temperature increase of 0.04 Deg. C.

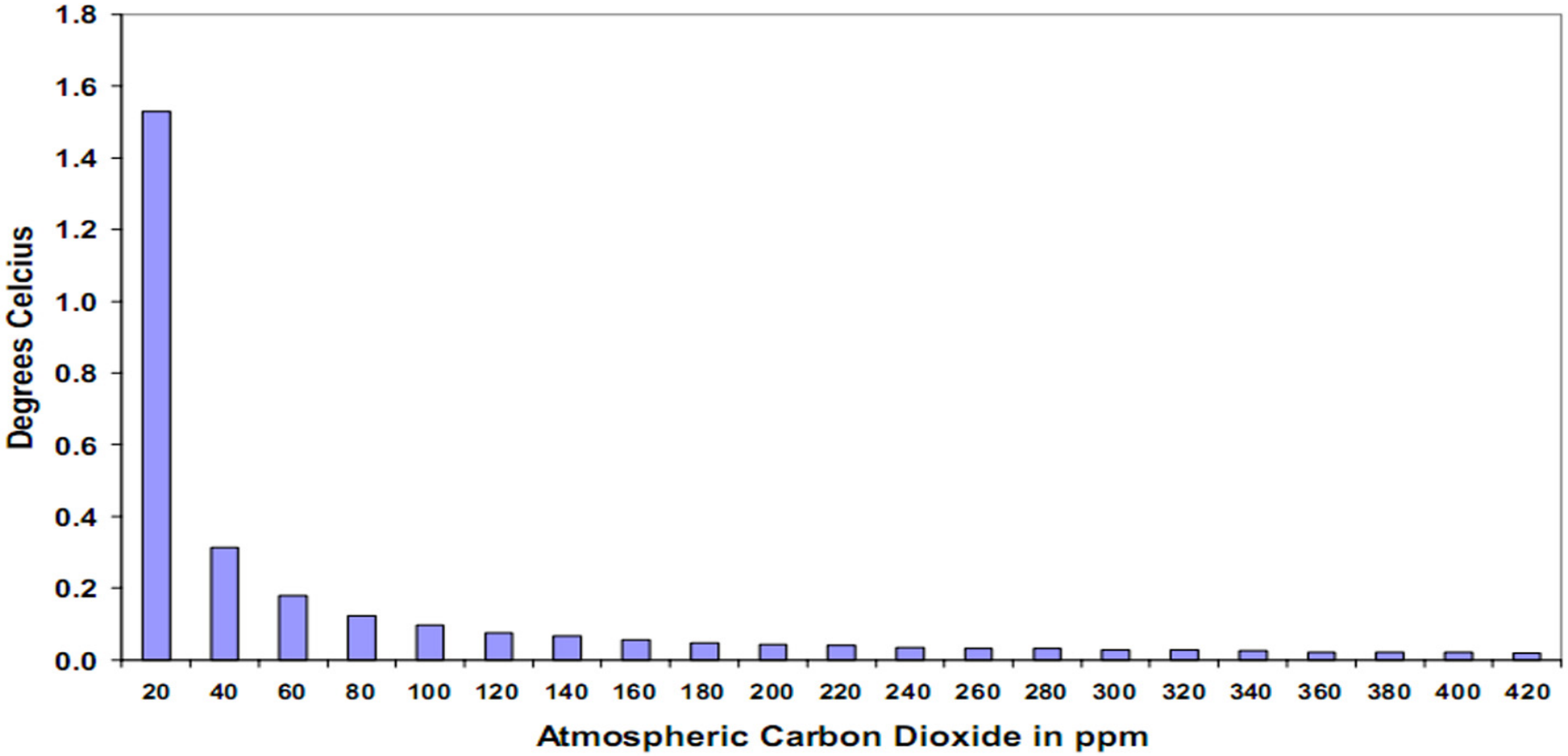
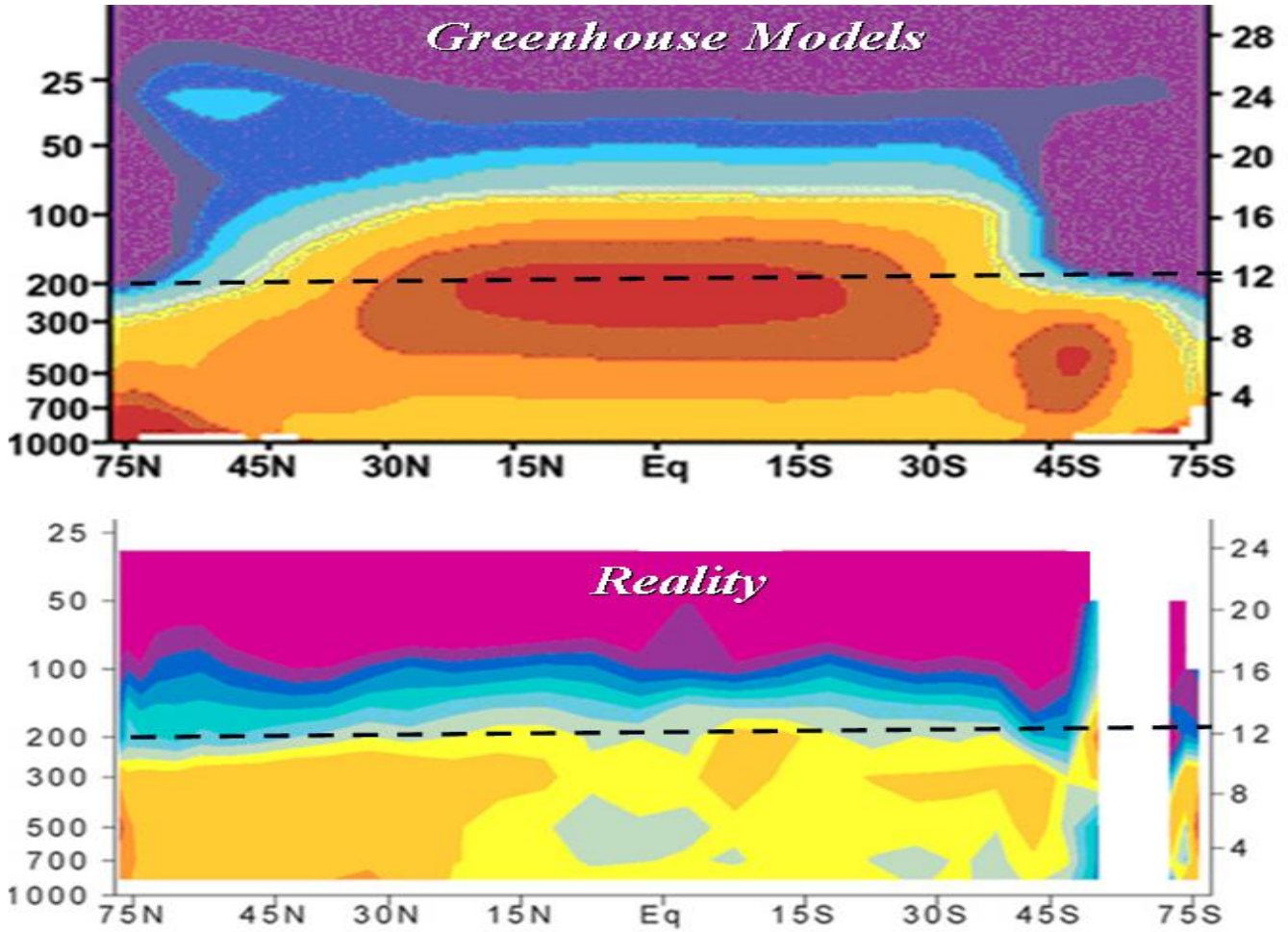


Chart from MODTRANS facility at the University of Chicago

For CO2 to be the cause of Global Warming, the UN IPCC ‘s own computer models require the existence of a “Hot Spot” located about 6-7 miles in the atmosphere above the equator. It is NOT there!



CLAIM #2 – CO2 levels have never been this high! And 'Man-Made' CO2 is the cause of increased Warming!

We have now shown that this claim is also false!

A change in CO2 levels always follows a change in temperature, when looking at the proper time scales.

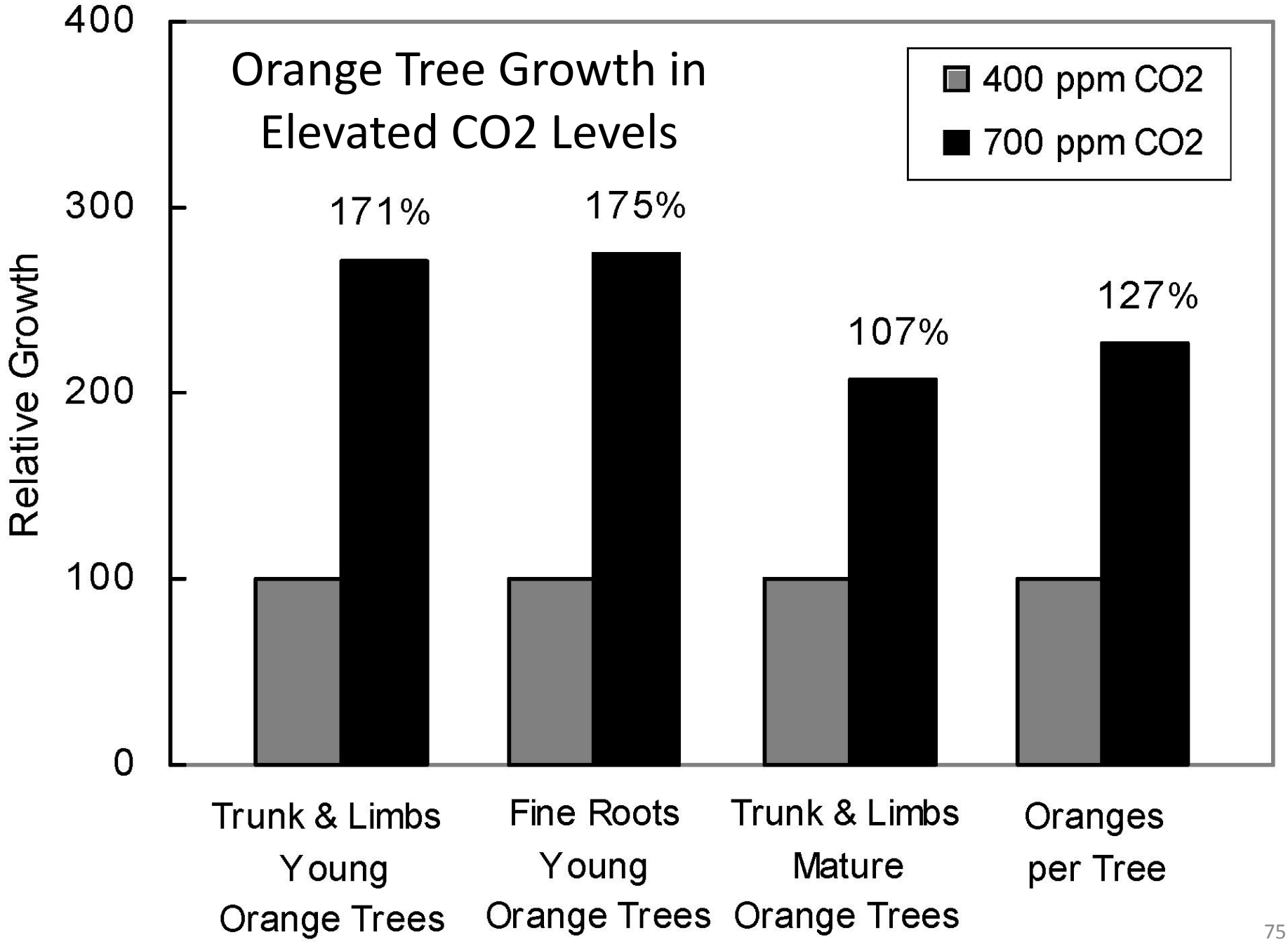
Why would the warming alarmists have us believe that CO2 drives climate? Could it be that CO2 is the only "man-made" GHG which they can hope to regulate, put controls and taxes on?

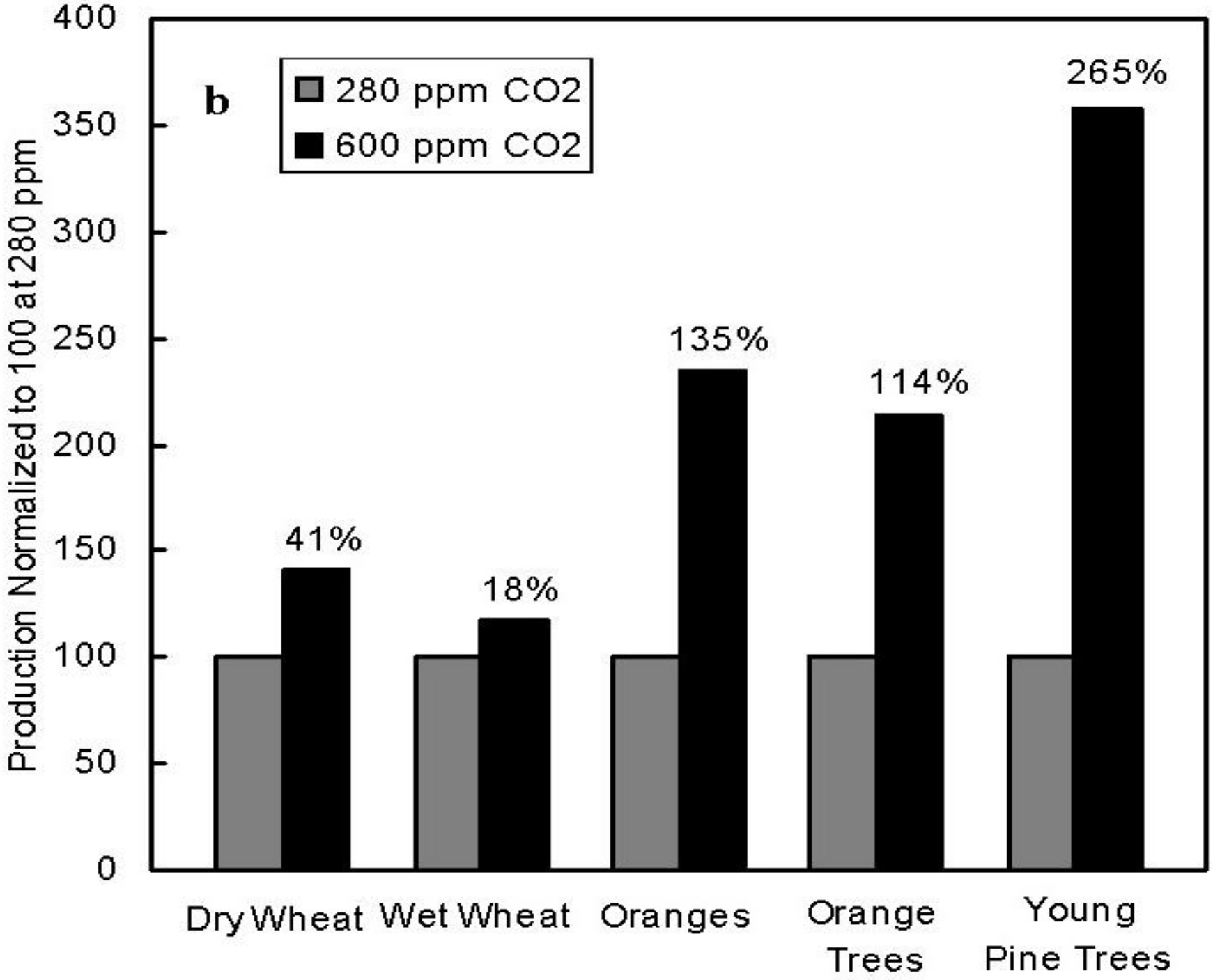
Are there any benefits to higher CO2 levels?

CO2 is air-born fertilizer for plants. Commercial greenhouses typically create CO2 levels of 1200 to 1500 ppm. Why would they do that? At elevated CO2 levels, plants:

1. **Grow greater root length & mass**
2. **Grow more above ground mass**
3. **Grow more of the 'stuff' we use**
4. **Are more resistant to insects**
5. **Are more resistant to disease**
6. **Are more resistant to drought**
7. **Require less water**

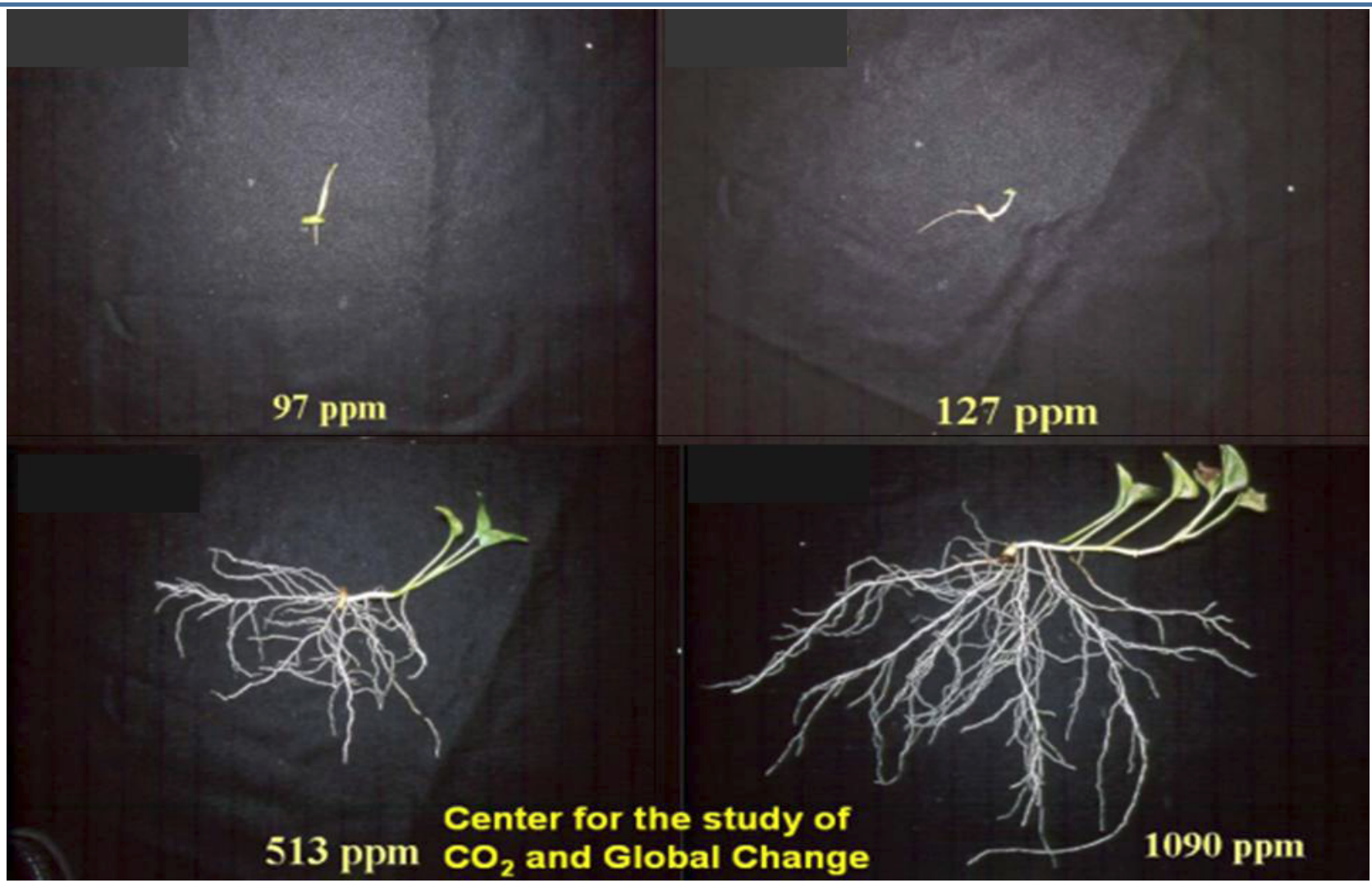
Where Is The Alarm In This?


Orange Tree Growth in Elevated CO2 Levels
400 ppm CO2
700 ppm CO2
Relative Growth
400
300
200
100
0
171%
175%
107%
127%
Trunk & Limbs Young Orange Trees
Fine Roots Young Orange Trees
Trunk & Limbs Mature Orange Trees
Oranges per Tree

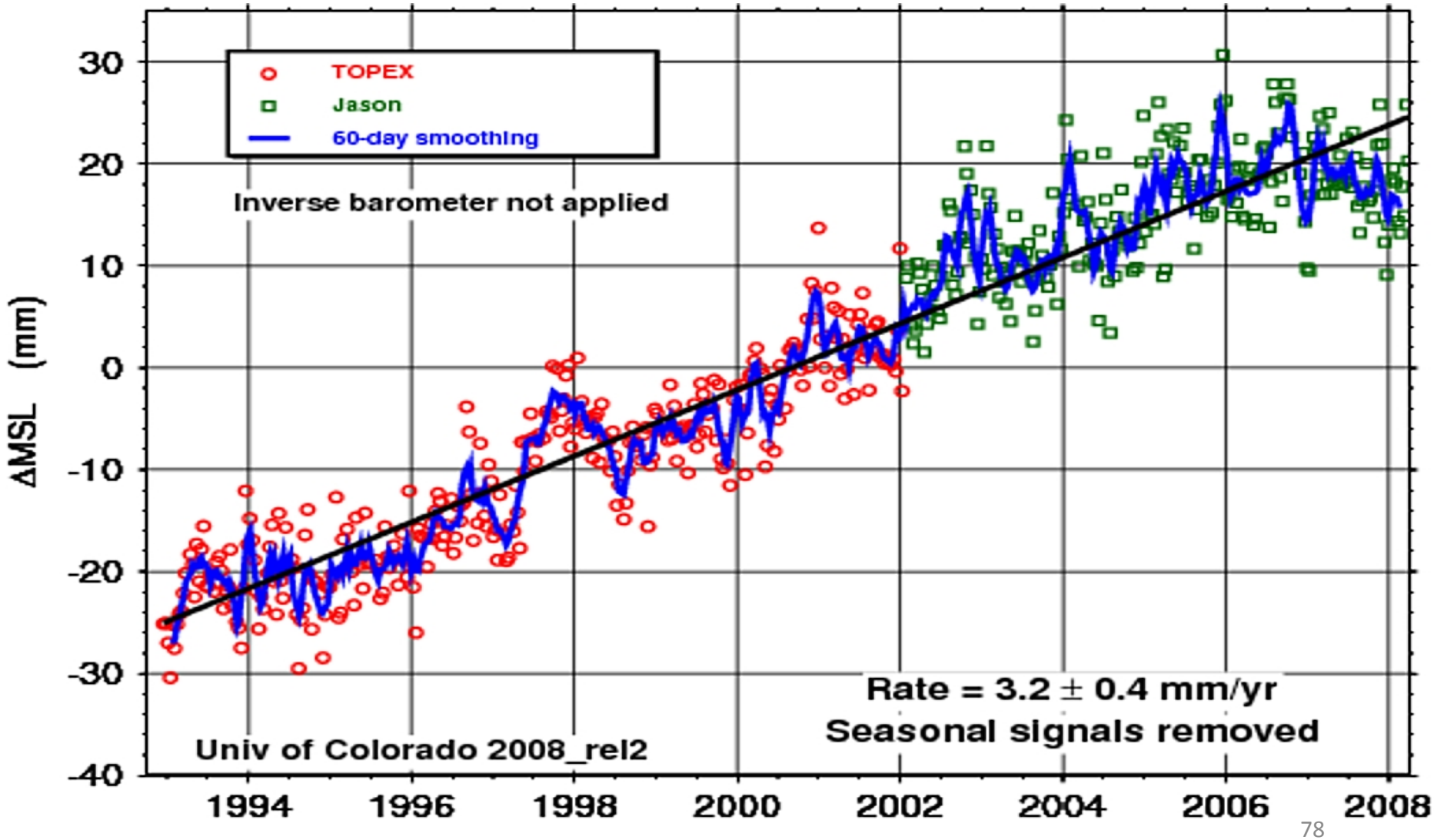

b
280 ppm CO2
600 ppm CO2
Production Normalized to 100 at 280 ppm
400
350
300
250
200
150
100
50
0
41%
18%
135%
114%
265%
Dry Wheat
Wet Wheat
Oranges
Orange Trees
Young Pine Trees

CO2 Is Vital For Plant Growth

The Current Level In The Atmosphere is 390 ppm (0.04%).
Many Plants Can Not Survive Below CO2 Levels of 200 ppm.
Many Commercial Greenhouses Maintain Levels of 1200-1500 ppm.



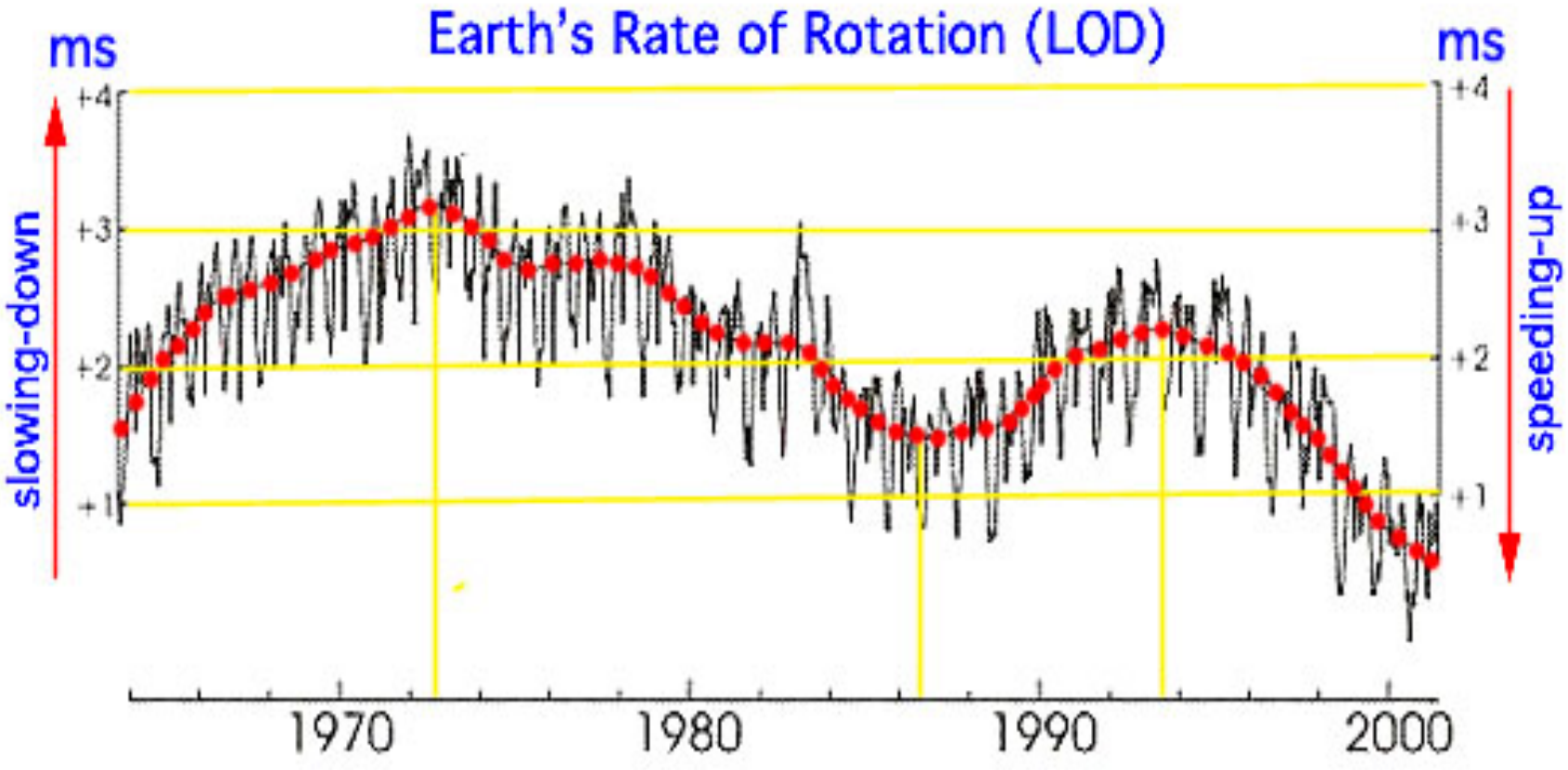
Claim #3 – Ocean levels will rise and flood lowlands & Pacific islands.



Claim #3 – Ocean levels are rising.

If the sea levels were rapidly rising – following the law of angular momentum – the Earth should experience a deceleration. This is NOT the case – **Claim #3 is also false.**

(from Nils-Axel Morner)



Claim #4 – CO2 is Causing Oceans to Become Acidic. Coral and other marine life will die!

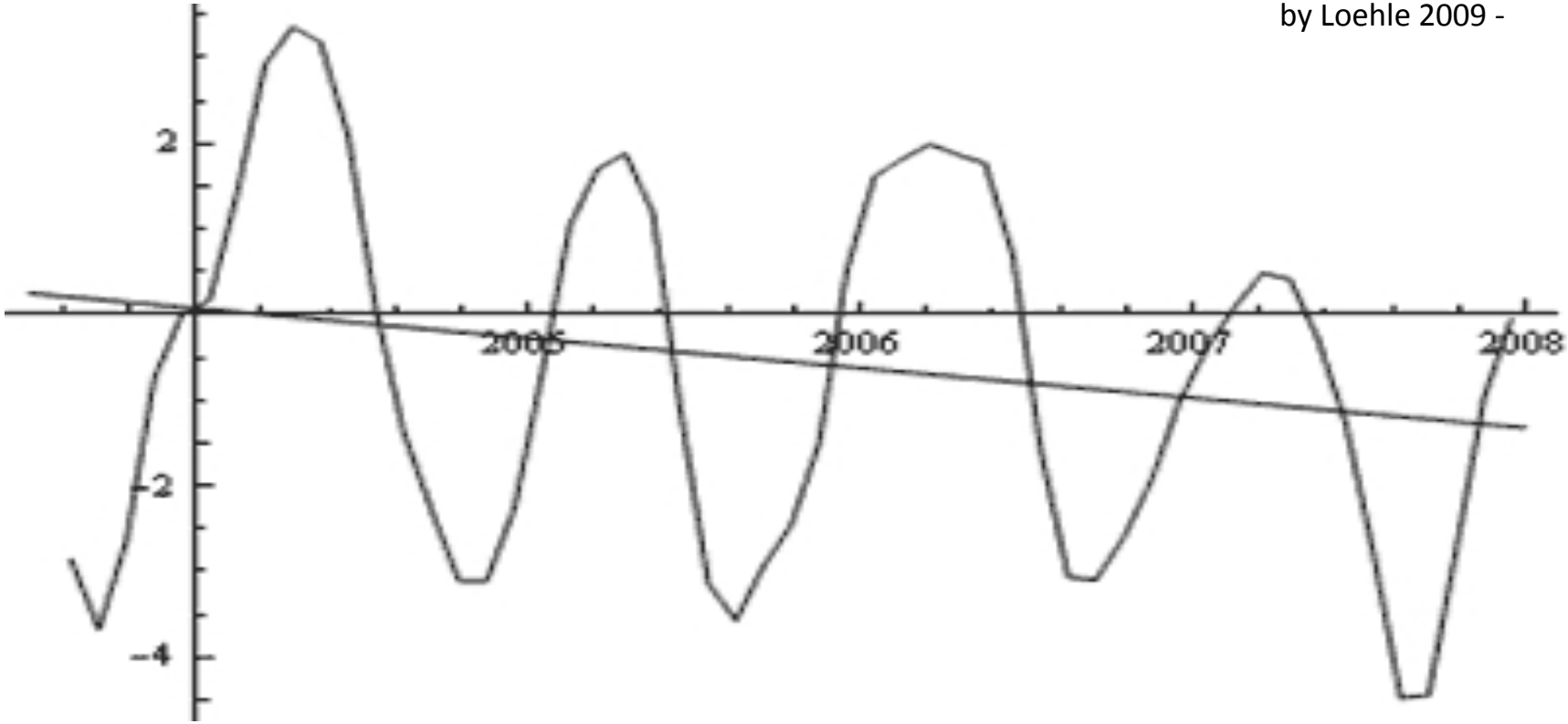
- The pH of pure water is 7.0.
- Sea water has an average pH of 8.2 to 8.3. Even if the sea water became fully saturated with CO2, the pH could only drop one or two tenths.
- Coral reefs first formed some 400 million years in the Devonian period when CO2 levels were 10 times higher that today and the oceans were NOT acidic.

Claim #4 is also false

Claim #5 – Global warming is still taking place, but the heat is being hidden in the oceans.

Claim #5 is also false.

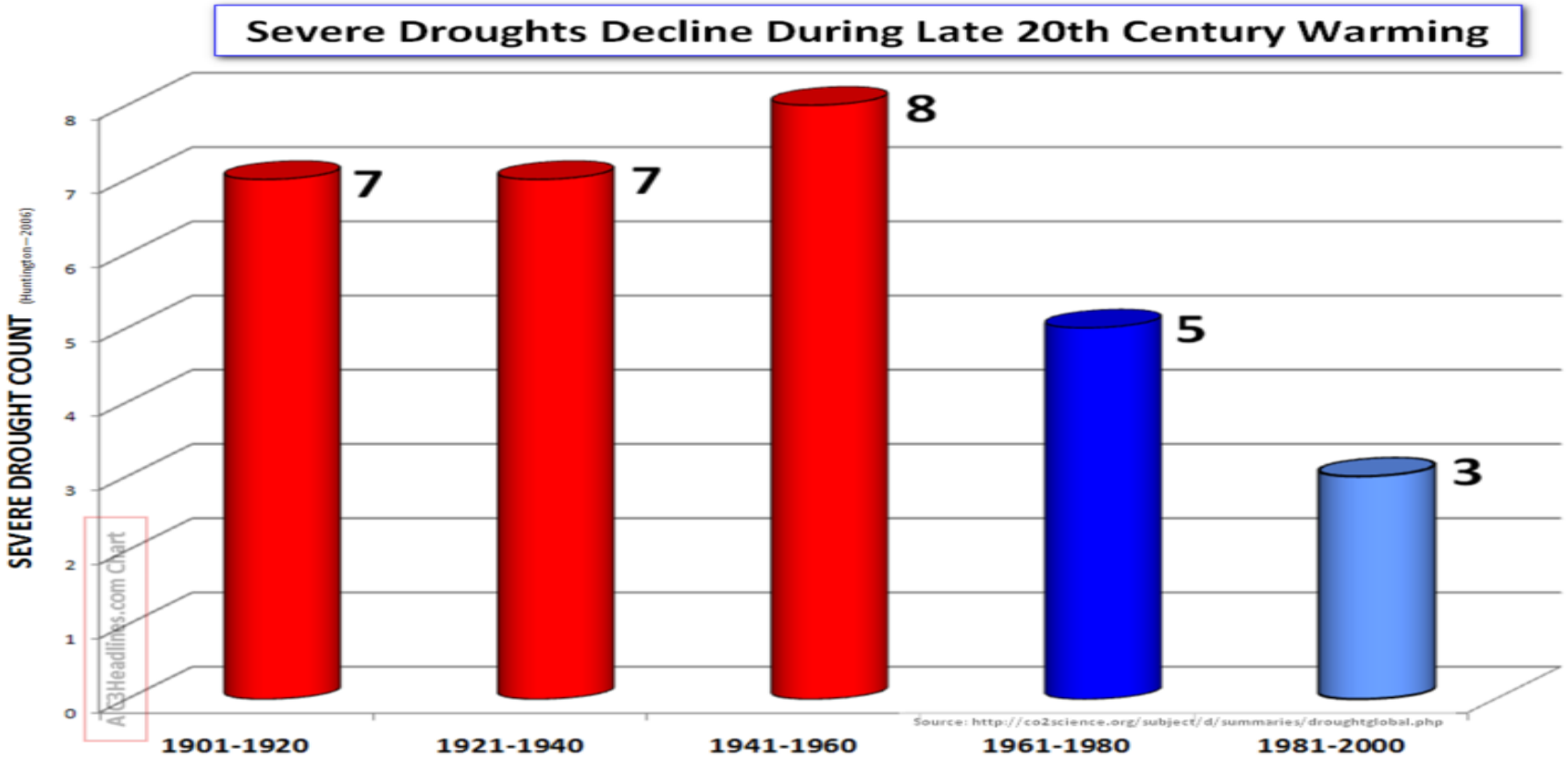
by Loehle 2009 -



Ocean heat content from 3341 Argo free-drifting floats measure the temperature and salinity in the upper 2000 m of ocean.

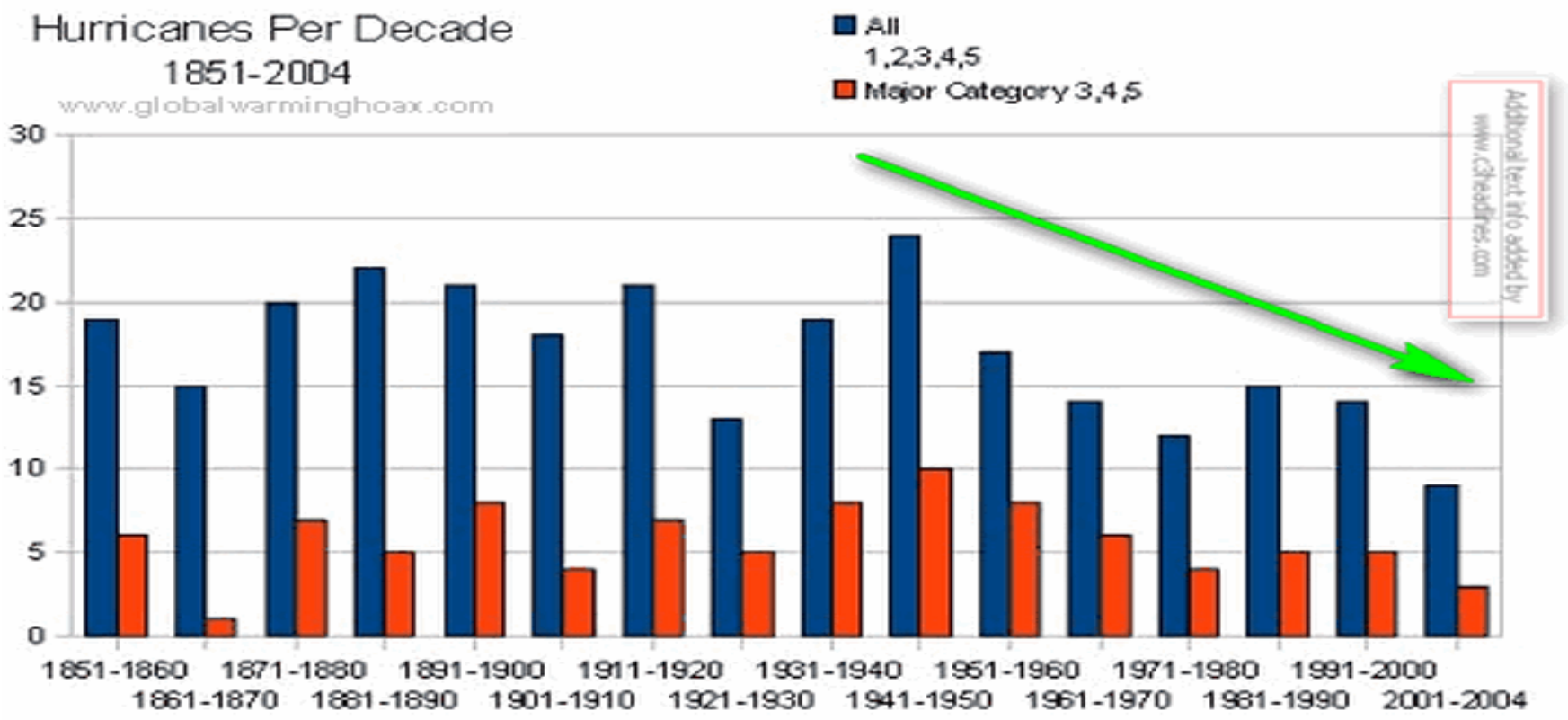
Claim #6 – Global warming is causing less snow fall in the mountains and will lead to drought.

Claim #6 is also false.



The AGW hypothesis, the IPCC climate models, and climate alarmist scientists state that global warming will cause a greater frequency of more severe droughts. Like so many other claims of catastrophes due to global warming, the actual climate evidence refutes the hysterical hype. During the latter part of the 20th century when supposed "unprecedented" global warming was occurring, the number of severe droughts experienced declined.

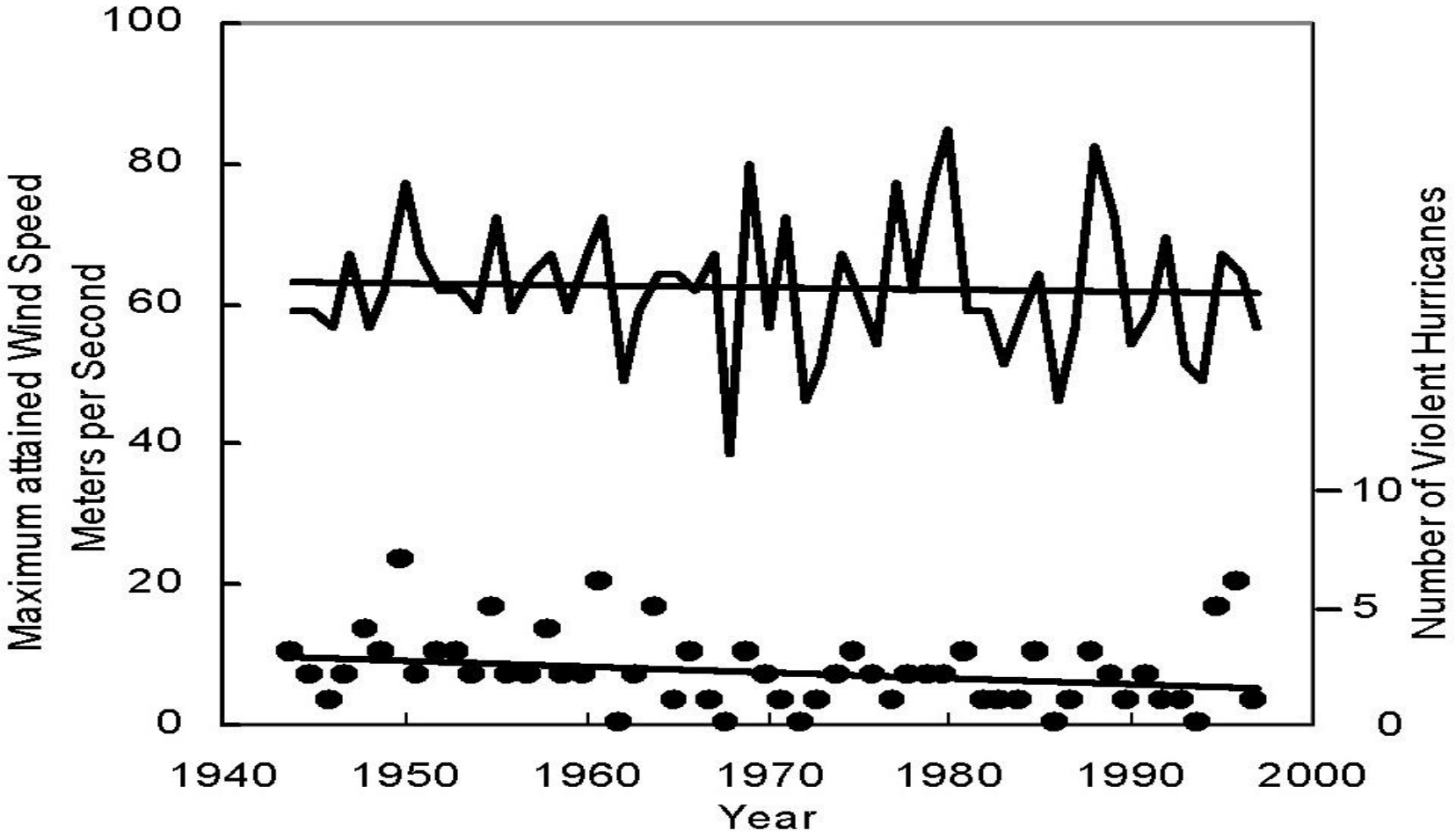
Claim #7 – Global warming is causing many more severe storms.



Climate alarmist scientists and climate models have predicted that increased levels of CO_2 emissions from humans would result in greater frequency and strength of hurricanes. The actual data indicates both alarmists and their models' predictions are wrong. The hurricane data through 2008 confirms this trend of fewer hurricanes.

Claim #7 – Global warming is causing many more severe storms.

Claim #7 is also false.



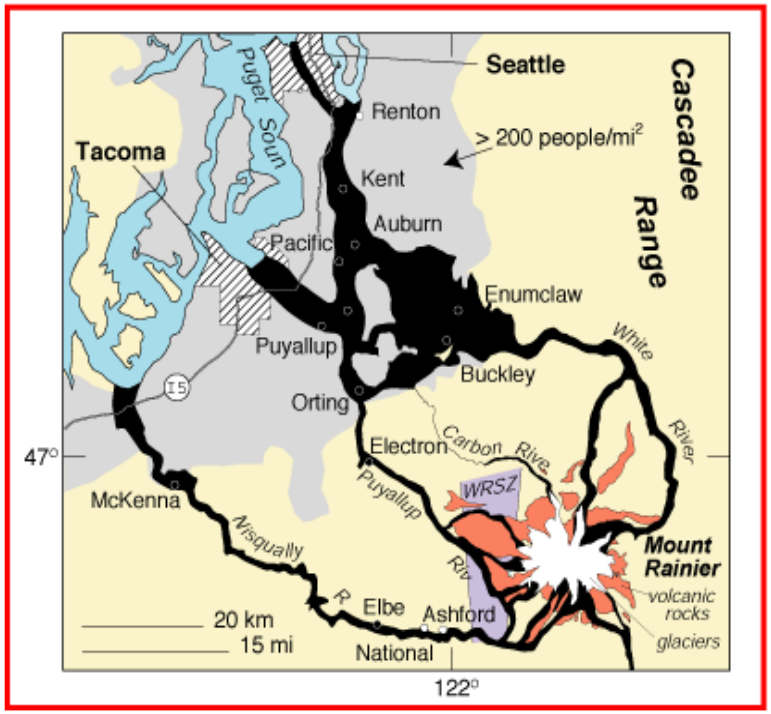
Claim #8 – Global warming will cause Mt. Rainier mega-landslides capable of flattening Seattle.

NewScientist Environment - Article by 15 October 2010 by **Kate Ravilious**

"EARTH is starting to crumble under the strain of climate change."

Thinning glaciers on volcanoes could destabilise vast chunks of their summit cones, triggering mega-landslides capable of flattening cities such as Seattle and devastating local infrastructure.

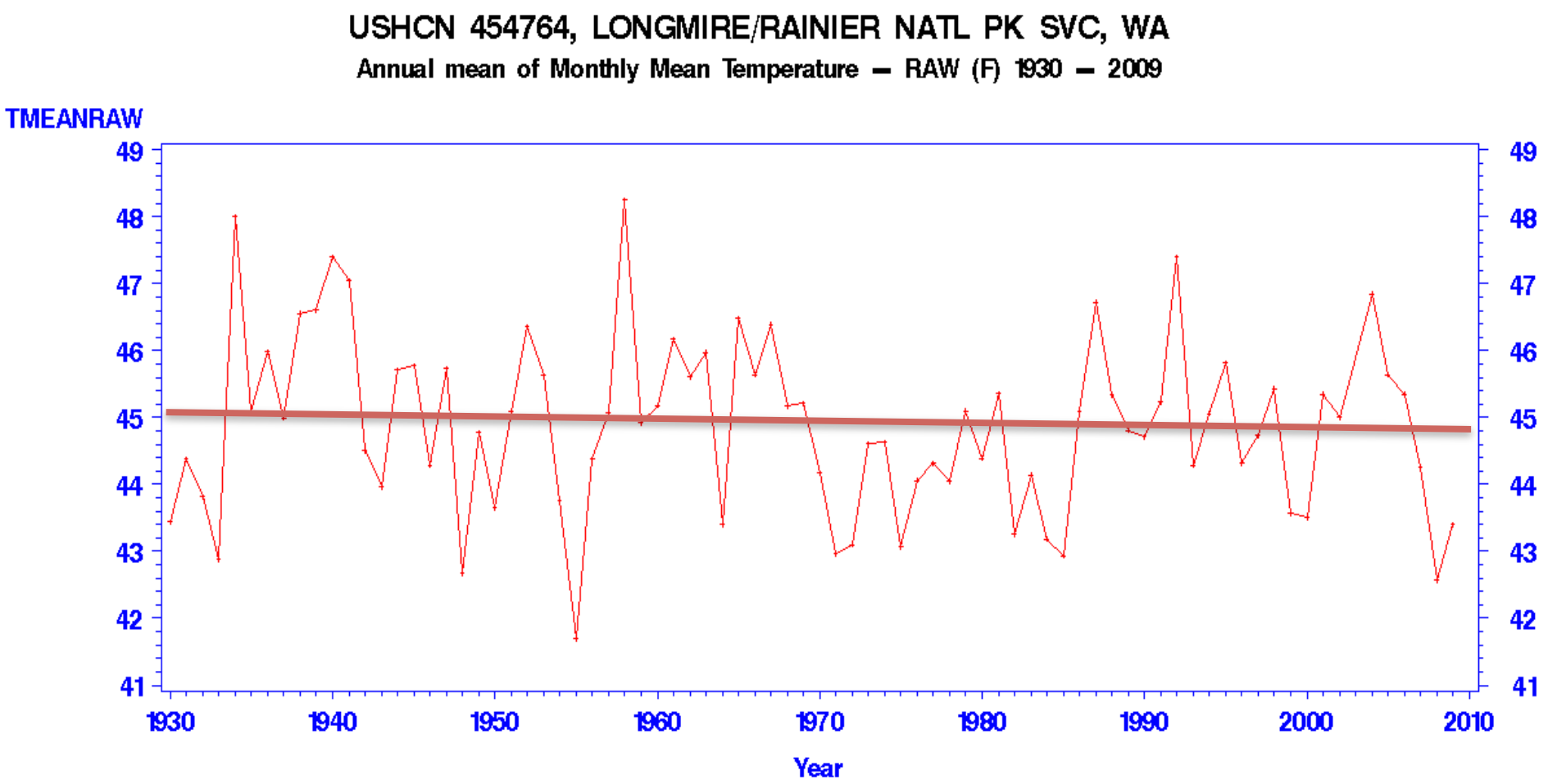
Claim #8 – Global warming will cause Mt. Rainier mega-landslides capable of flattening Seattle.



Map showing area (black) inundated by lahars or associated floods from Mount Rainier in the last 6000 years. The Osceola Mudflow flowed north and northwest down the White River to the Puget Sound lowlands 5600 years ago. From Sisson and others (2001, EOS, v. 82, no. 9, p. 113)

Claim #8 – Global warming will cause Mt. Rainier mega-landslides capable of flattening Seattle.

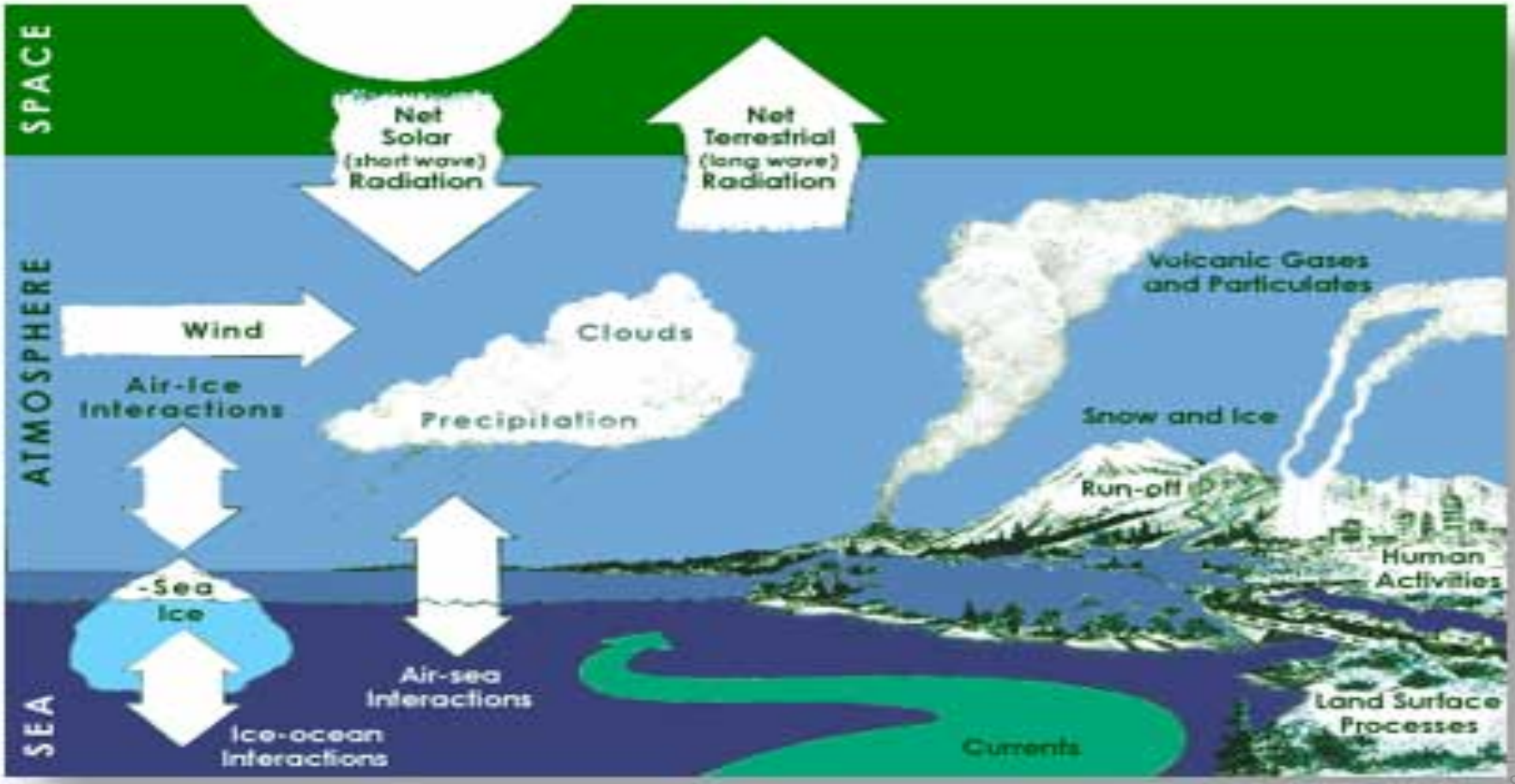
Claim #8 is also false.



Source: MJ Menne, CN Williams Jr., RS Vose, NOAA, National Climatic Data Center, Asheville, NC

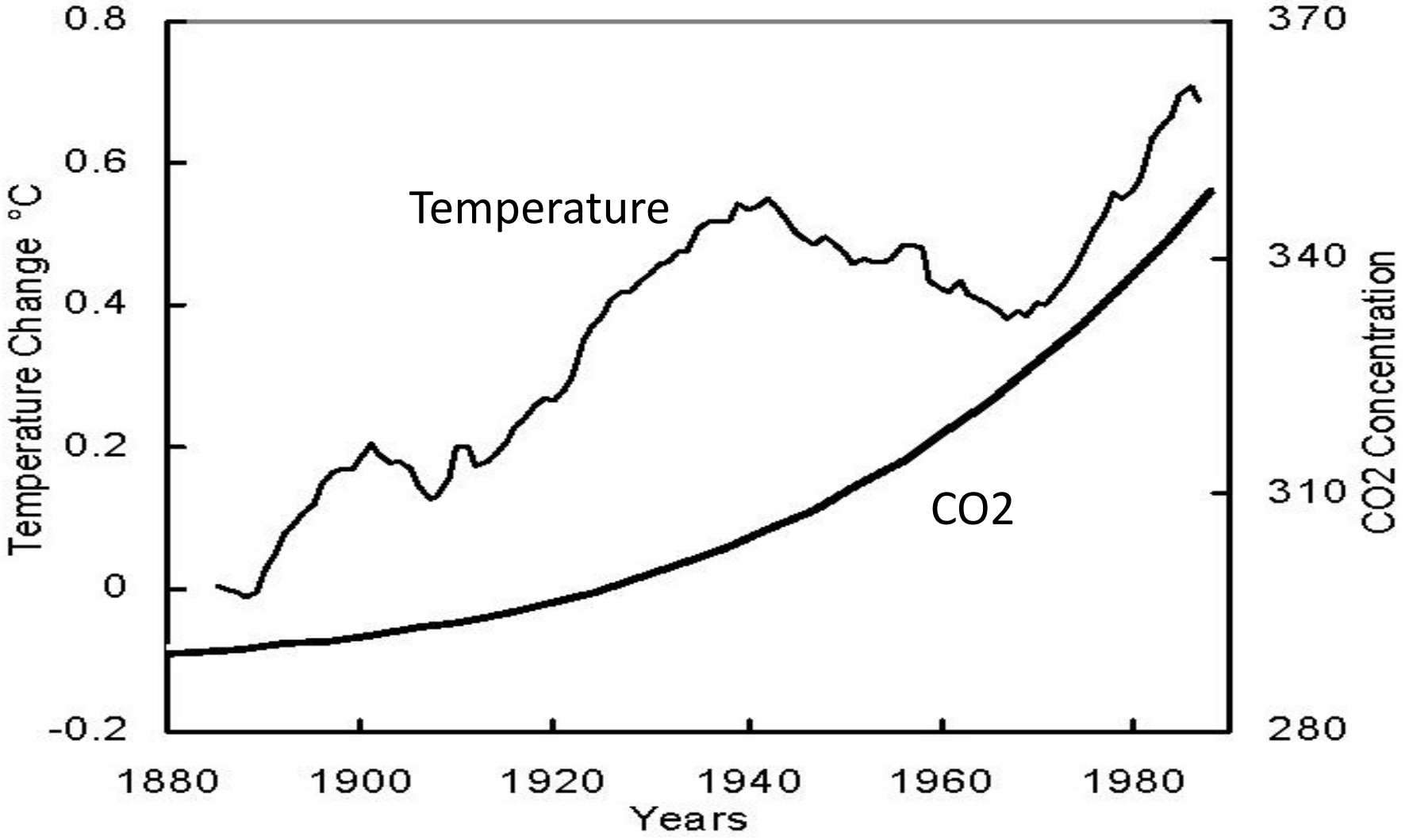
What Is The Science Behind Climate Change?

- Virtually all energy from the sun.
- Some sunlight energy is retained by earth surfaces.
- Some surface heat energy is converted to IR and re-radiated back toward space.
- Clouds and storms are the global thermostat.



What Is The Science Behind Climate Change?

Here is an 11-year moving average of atmospheric CO2 vs temperature from 1880 to 1990. (From the NASA – GISS) in "Geophysical Research Letters" 23, 1665-1668) NOTE: NO Correlation between CO2 & Temps



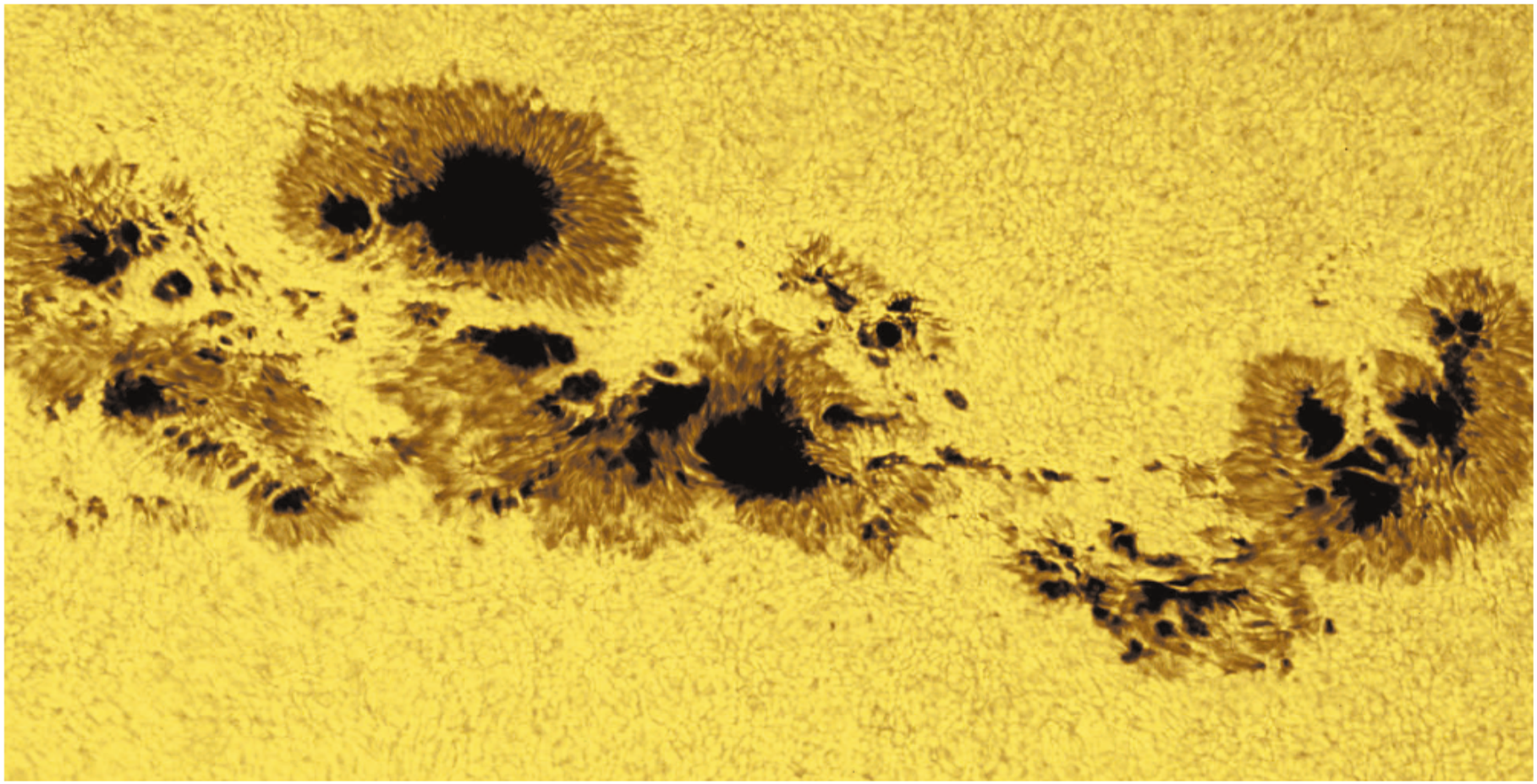
If CO2 or other greenhouse gasses are not the cause of climate change, what is?

In 1801, astronomer Sir William Herschel speculated: "I am now much inclined to believe that openings [i.e., sunspots] with great shallows, ridges, nodules, and corrugations, instead of small indentations, may lead us to expect a copious emission of heat, and therefore mild seasons."

Conversely, Herschel thought that eras with few sunspots would lead to "spare emission of heat" and "severe seasons."

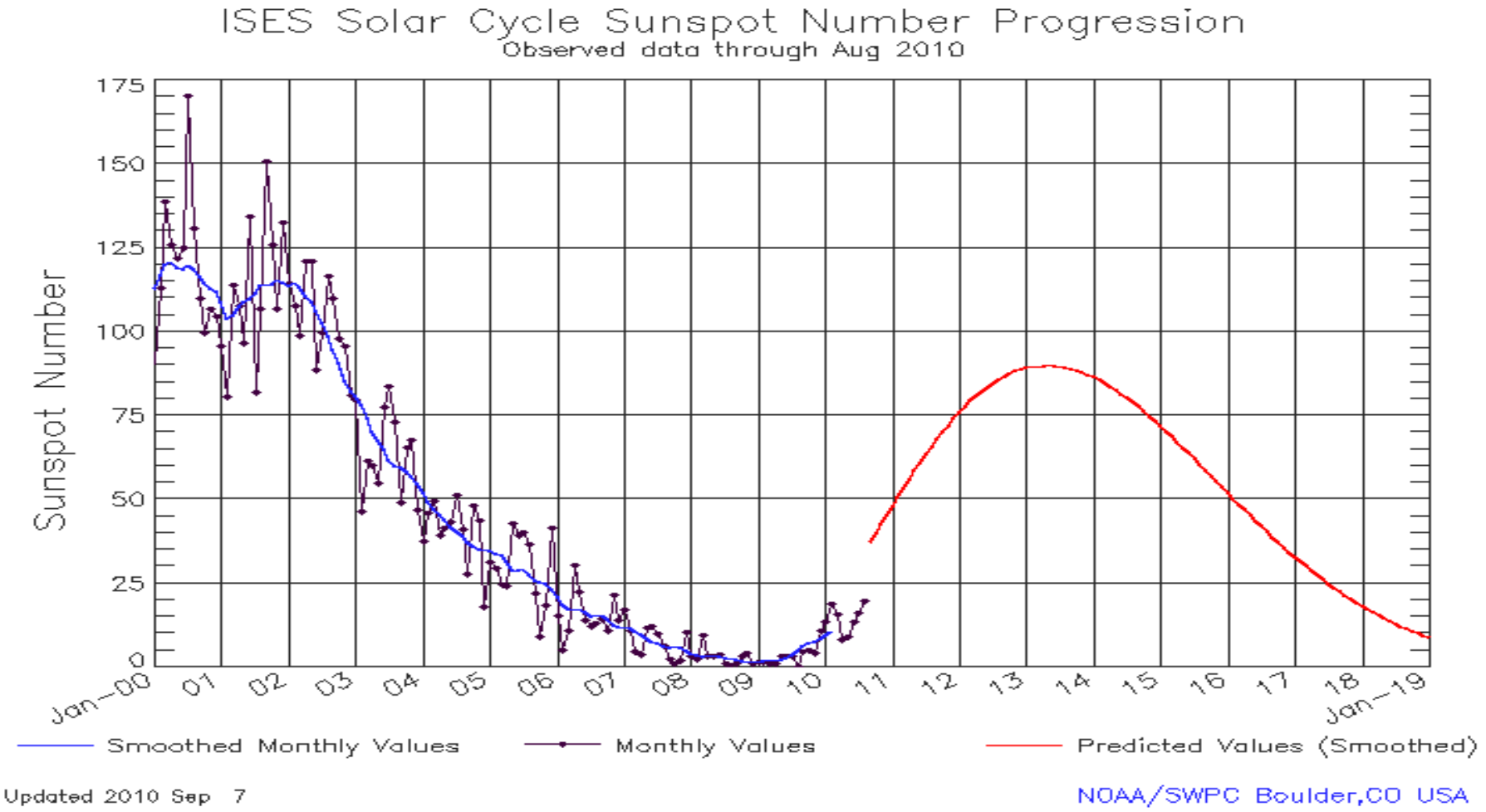
He figured that a severe season (one lacking in sunspots) would drive up the price of wheat. Reconstructing past climate conditions and scanning historic wheat prices, he found his link. During five lengthy periods during which sunspots were scant, wheat was indeed more expensive.

Sunspots indicate solar magnetic activity. The more sunspots, the stronger the solar winds, and the brighter the sun (stronger output ~ 0.2-1.0%).



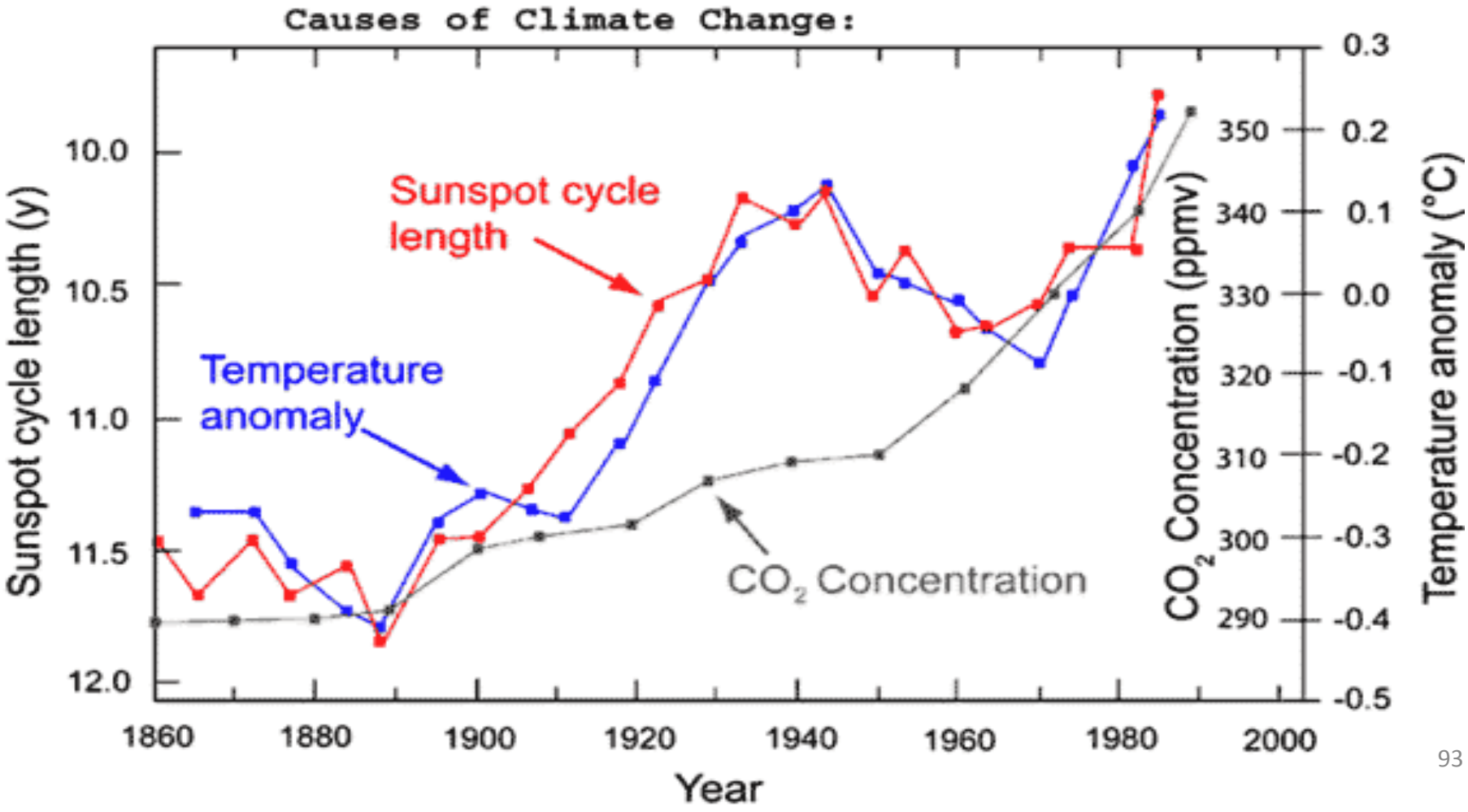
Sunspots are manifestations of solar magnetic activity. In general, the more sunspots there are, the more active the Sun is. Ironically, the Sun is usually brighter when a large number of sunspots mar its visible surface. Courtesy of William C. Livingston (Kitt Peak National Solar Observatory).

This graph is from the NOAA website and shows the sunspot trend numbers. Solar Cycle 23 has only recently ended, and we are now starting into cycle 24. As Sir Herschel noted, low sunspot activity is linked to colder temperatures, as we have seen these last few years.
(http://www.solarcycle24.com/sunspots.htm from NOAA)



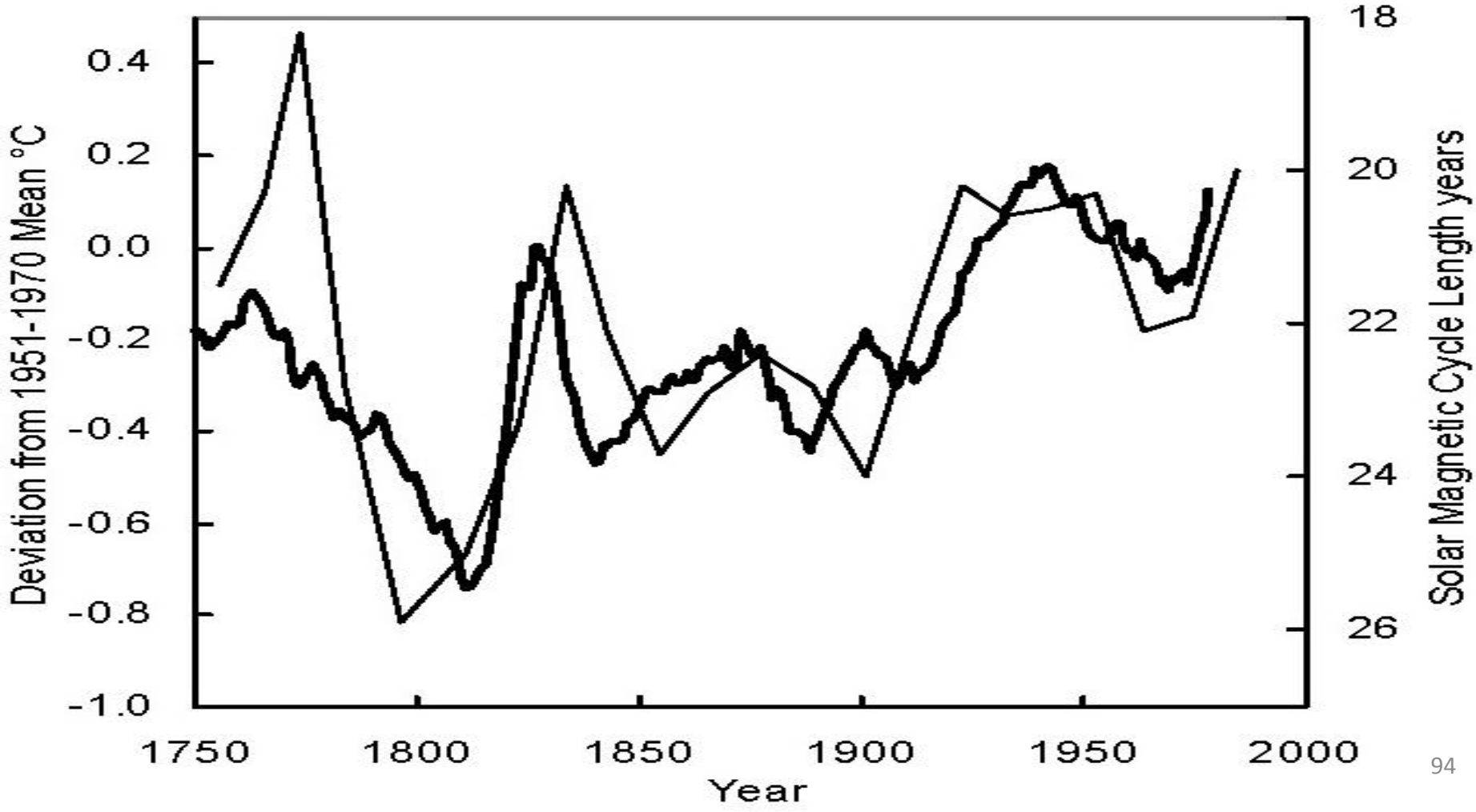
There is actually a good correlation between temperature and the length of the solar cycle. (Typically, a longer solar cycle = fewer sunspots & cooler weather)

(Friis-Christensen & Lassen - 1991, [Science 254, #5032] adapted by Dr. Tim Patterson)



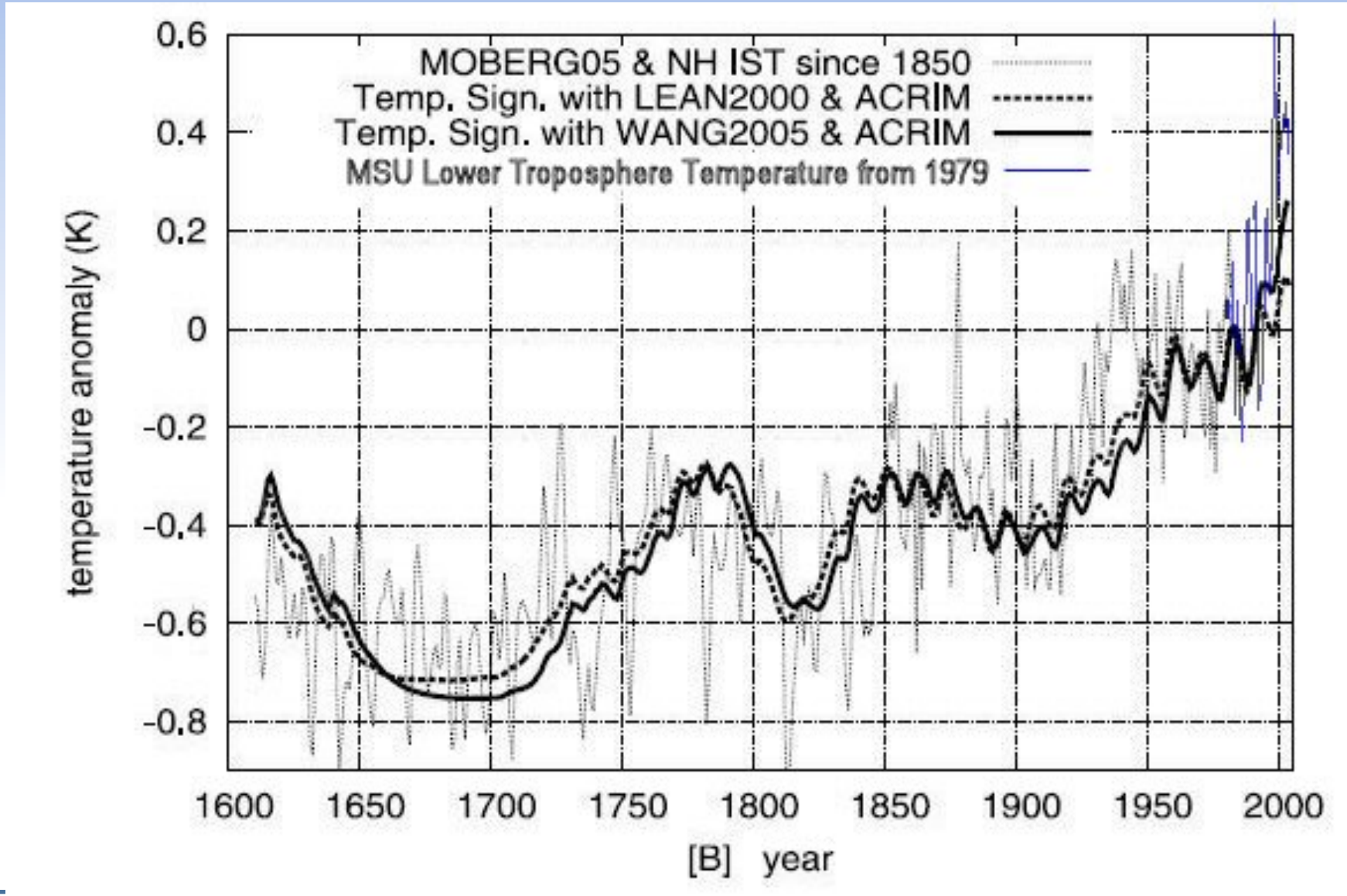
Solar Cycle Length in years vs Temperature (11 year moving average)

(Oregon Institute of Science & Medicine, Jan 1998 – Robinson, Baliunas, Soon)



Solar Irradiance vs Temperature

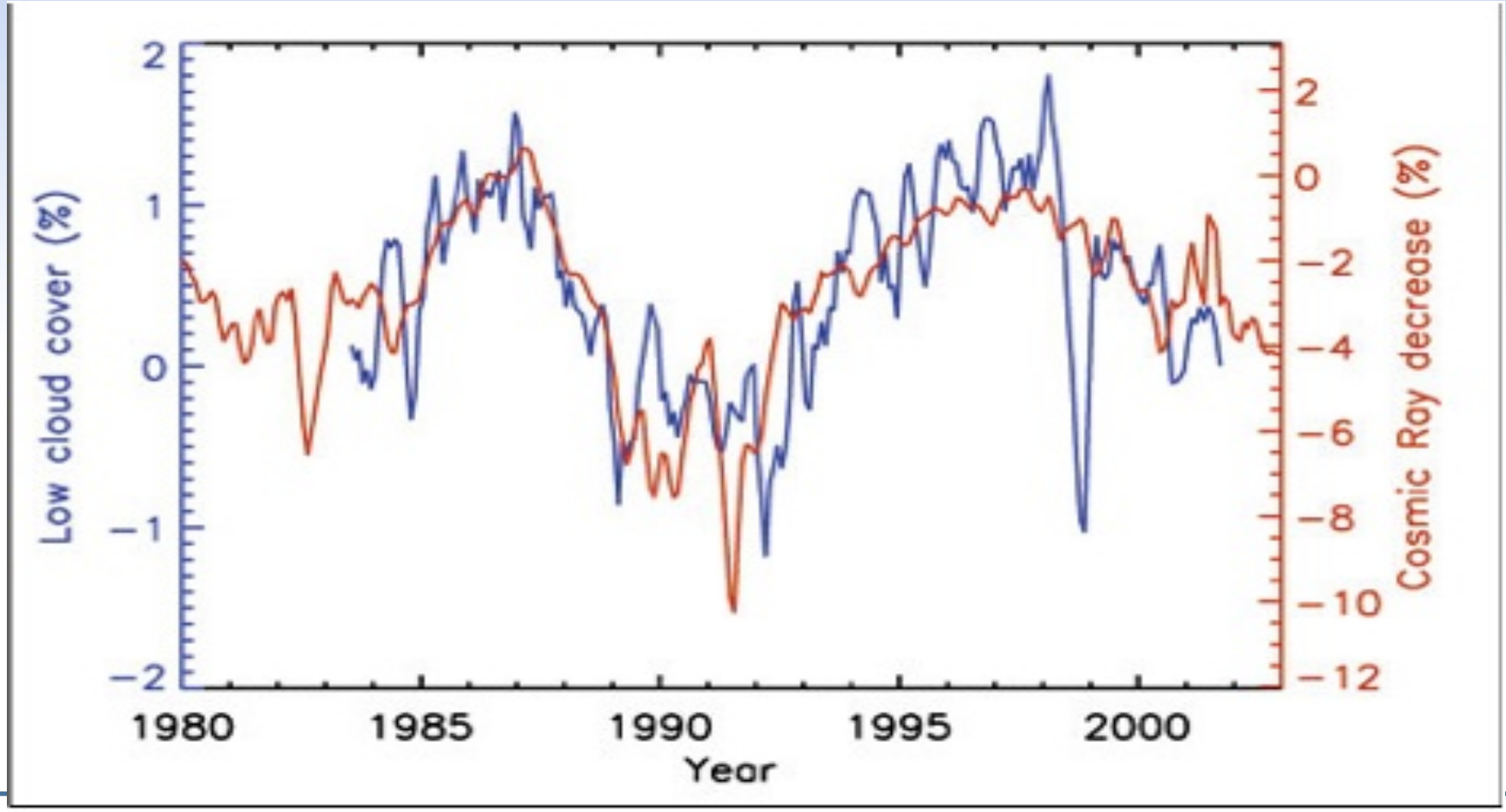
(from Scafetta, West)



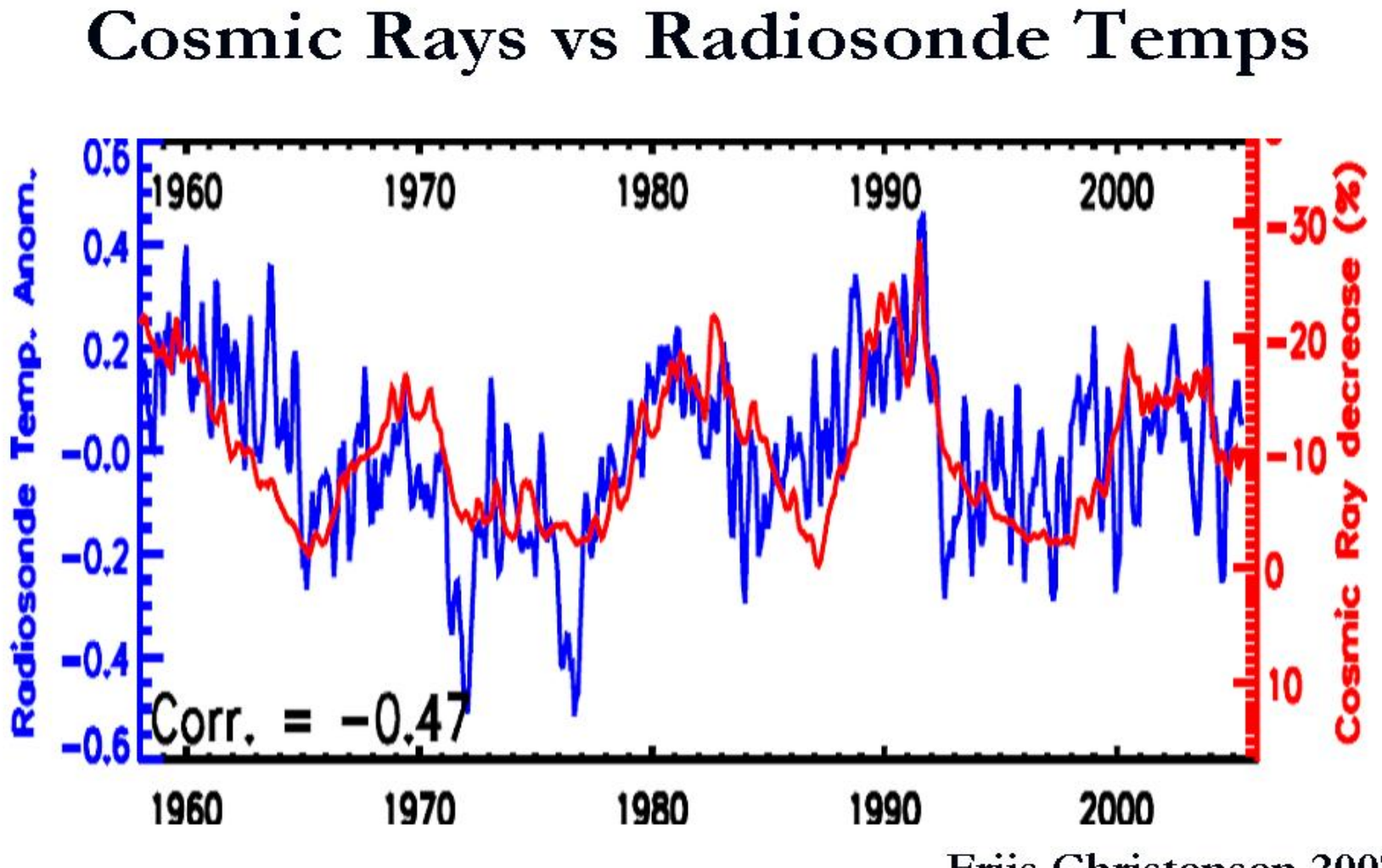
Cosmic Rays & Low Cloud Cover

An active sun has a stronger solar wind slowing cosmic rays into the solar system, reducing atmospheric ionization, reducing the growth efficiency of new cloud condensation nuclei, especially over the oceans, such that the clouds that form reflect sunlight less efficiently, therefore causing more warming.

Cosmic ray flux (orange) as measured in neutron count monitors vs. low altitude cloud cover (blue) using ISCCP satellite data set. {Following Marsh & Svensmark (JGR, 108 (D6), 6, 2003).}

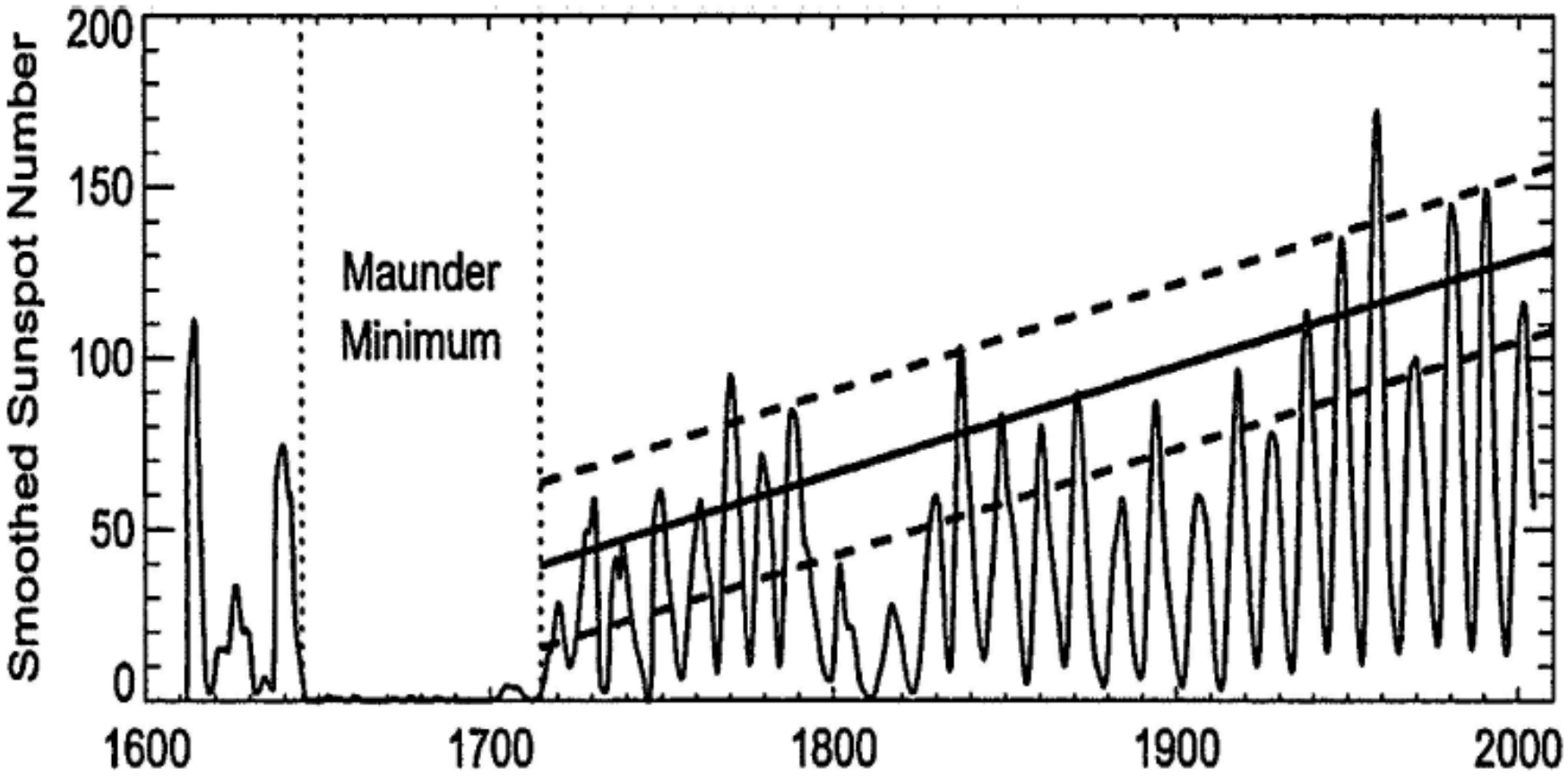


Global Temperatures Vs. Cosmic Rays
(From Weather Balloons)



Smoothed Monthly Sunspot Numbers

Maunder and Dalton Minimums – COLD Periods
Grand Maximum – WARM Period

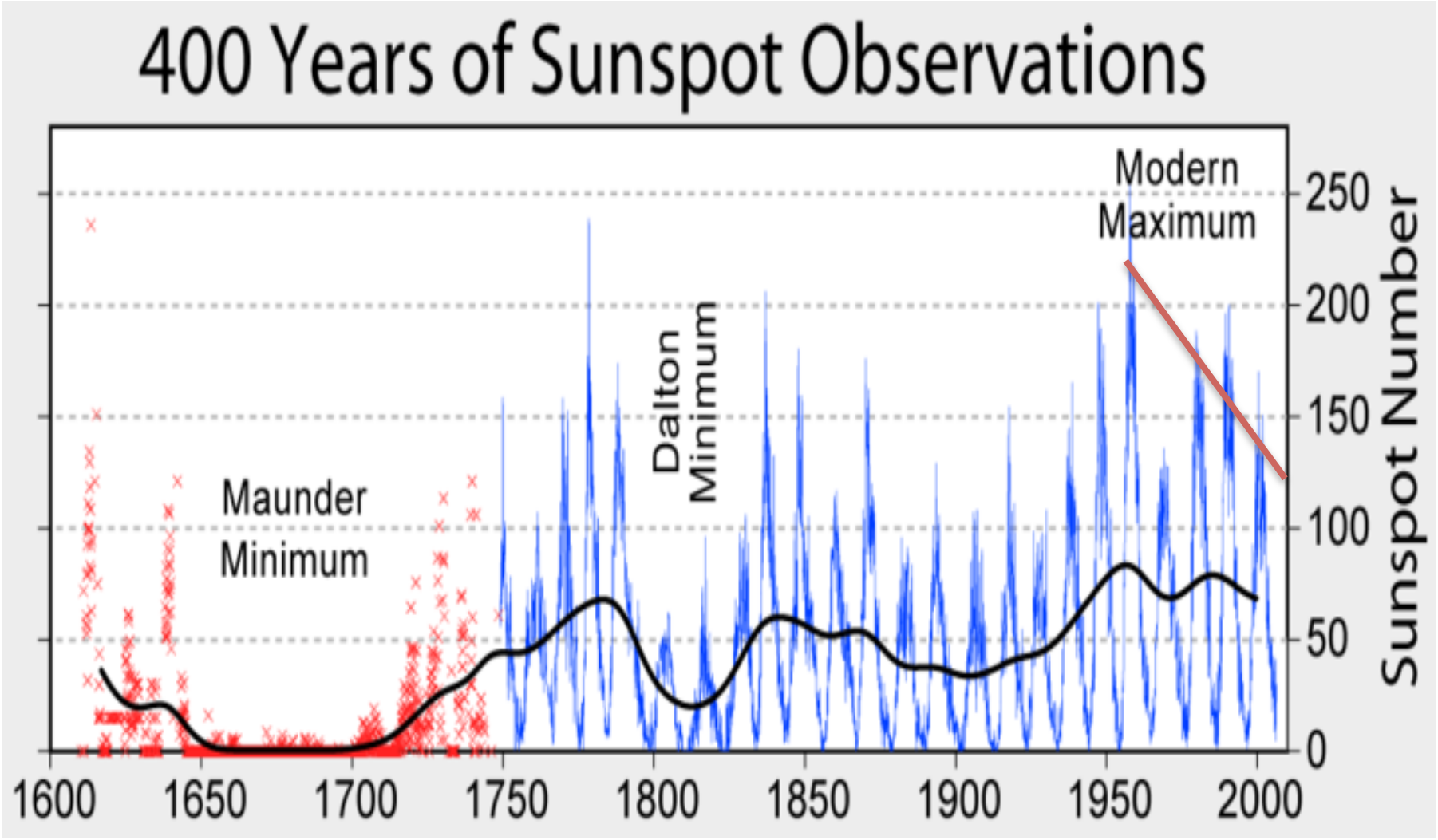


***Solar activity**, as measured by sunspot numbers, increased sharply between the end of the sunspotless Maunder Minimum in 1700 and the peak of the 70-year Solar Grand Maximum in the early 1960s. During the Grand Maximum, solar activity was greater, and for longer, than during almost any similar previous period in the 11,400 years since the end of the last Ice Age. **Source:** Hathaway et al., 2004.*

Direct Visual Observations of Sunspots

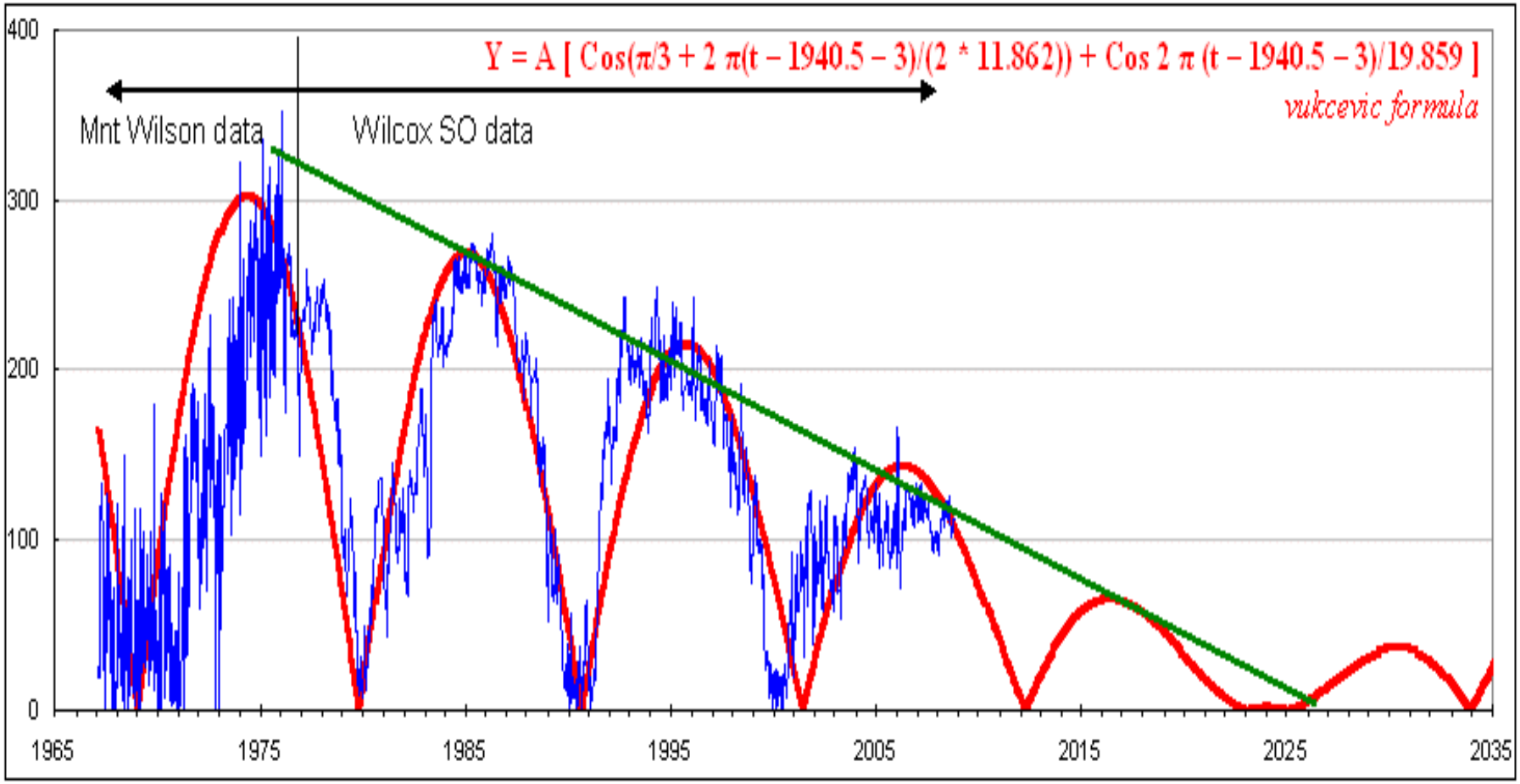
Maunder and Dalton Minimums – COLD Periods

Grand Maximum – WARM Period

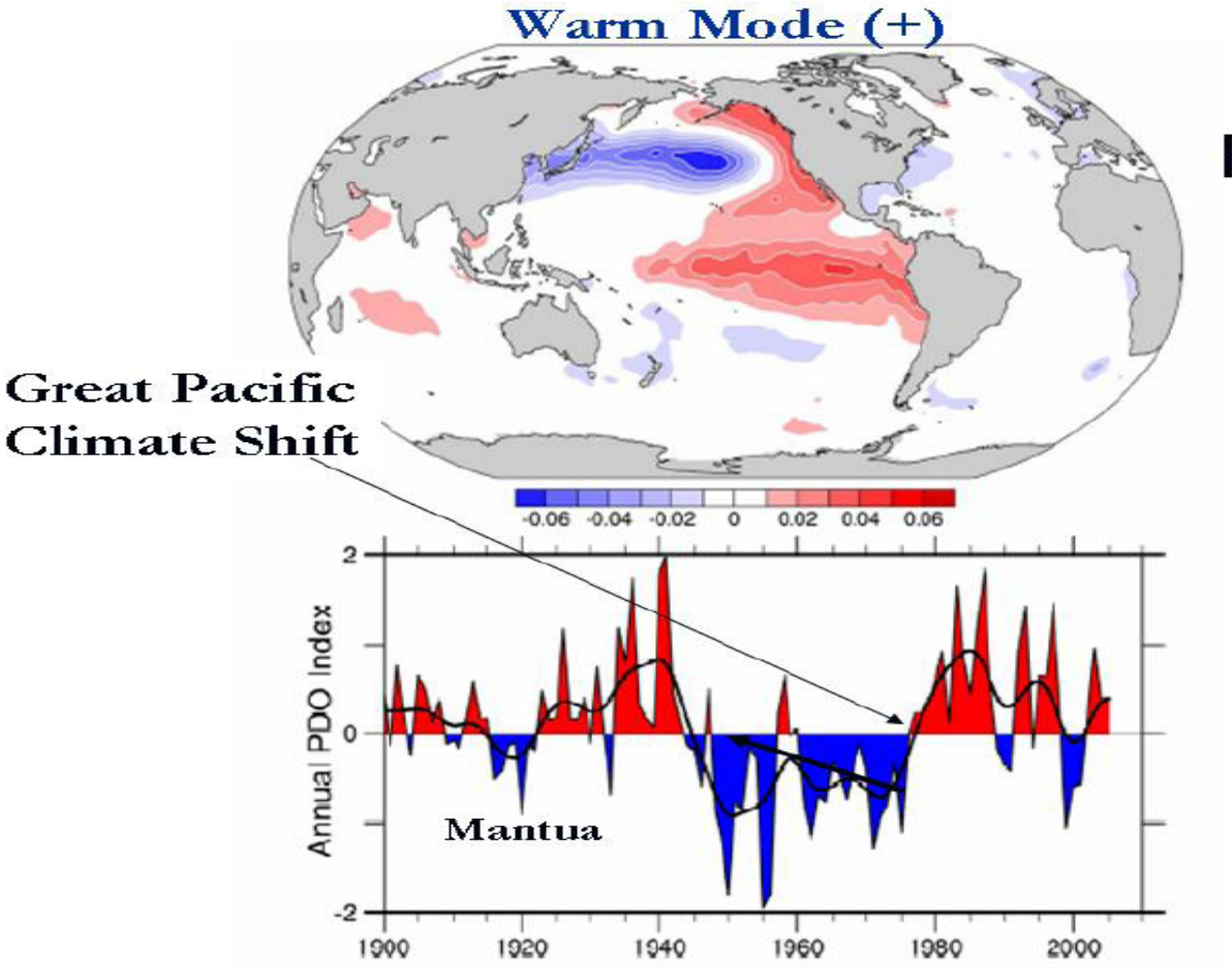


Decreasing Solar Activity Trend

The last solar minimum should have ended last year, - - . Although solar minimums normally last about 16 months, the current one is over 26 months—the longest in a century. One reason, - - - is that the magnetic field strength of sunspots appears to be waning.
(Phil Berardelli - Science, 14 Sept. 2010)



Pacific Decadal Oscillation (warm/cold water pattern) explains some short term (~30 year cycle) global temperature variations over the 20th Century –
The Great Pacific Climate Shift occurred in1977 and 2007

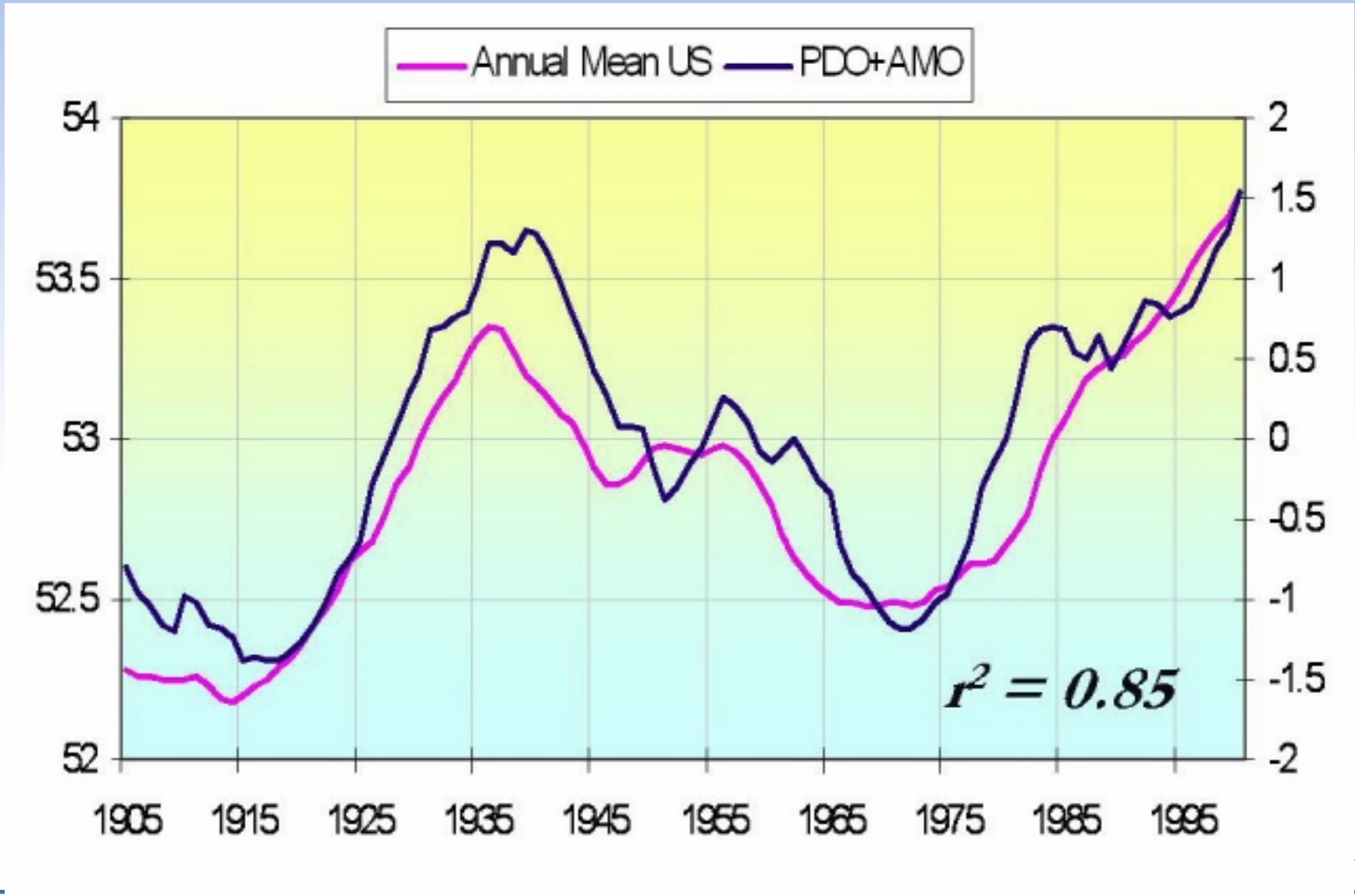


Great Pacific Climate Shift

Pacific Decadal Oscillation

Warm PDO (since 1978) favors more El Ninos

Annual USA Temperature Vs. Pacific & Atlantic Oscillations



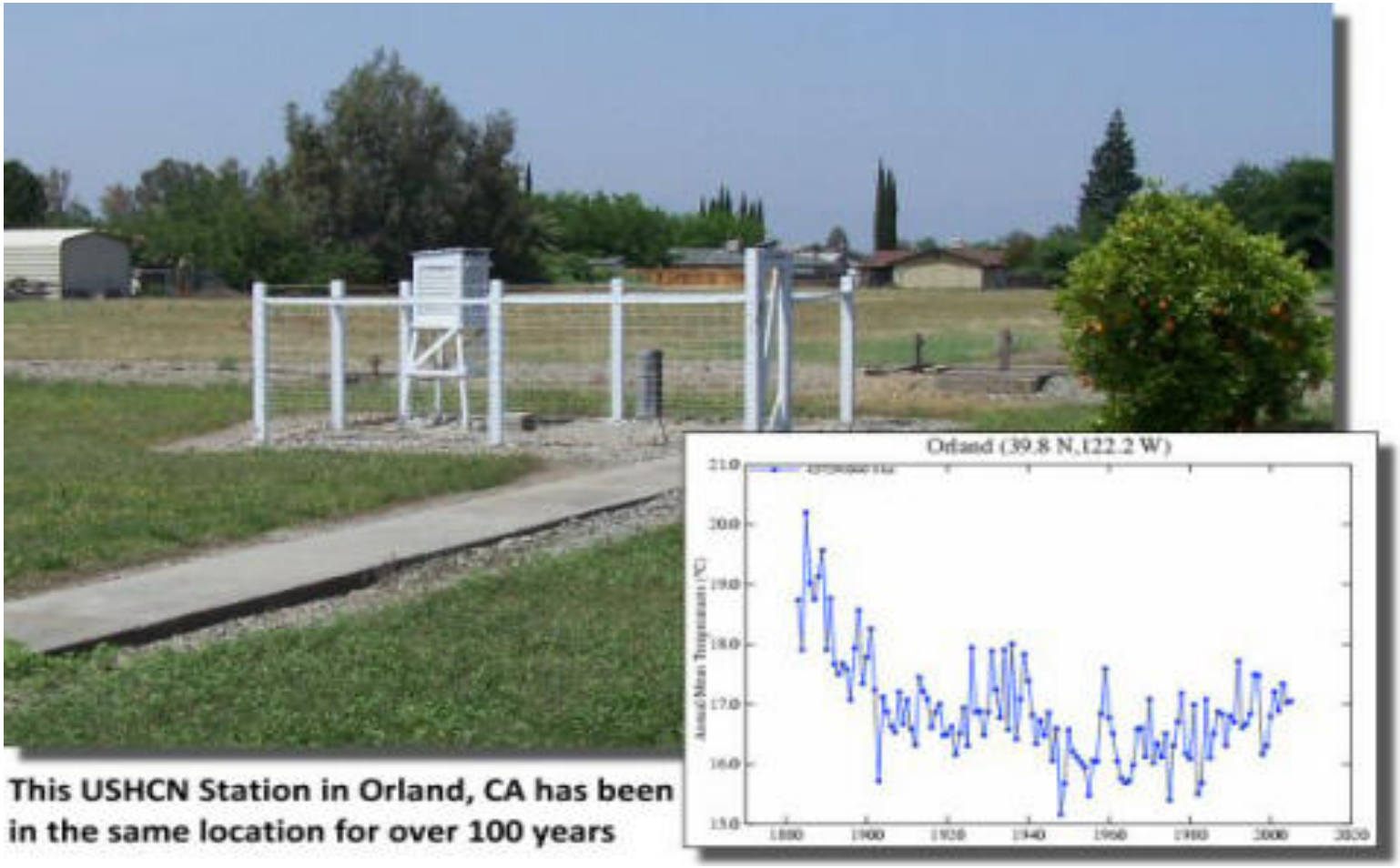
Temperature Measurement Problems

- US spending = $90 + Billion on solutions to a non-problem,
- Poor temperature instrument locations
- Thermometers near air conditioner exhaust duct or a trash burn barrel?

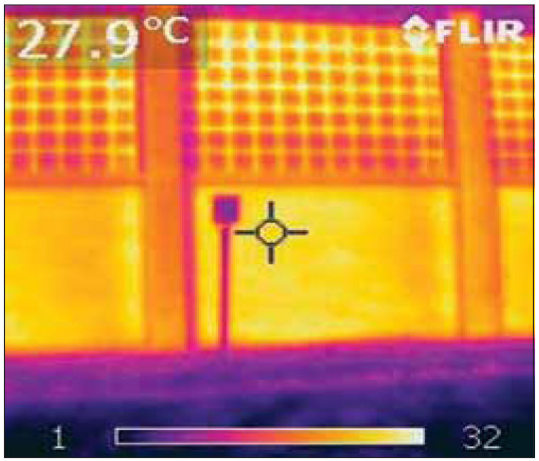
Anthony Watts has surveyed most of the official stations and found that 87% have serious location errors

Temperature measurement problems.

Here is a well maintained and well sited USHCN station (Orland, CA 100 yrs+):



This USHCN Station in Orland, CA has been in the same location for over 100 years

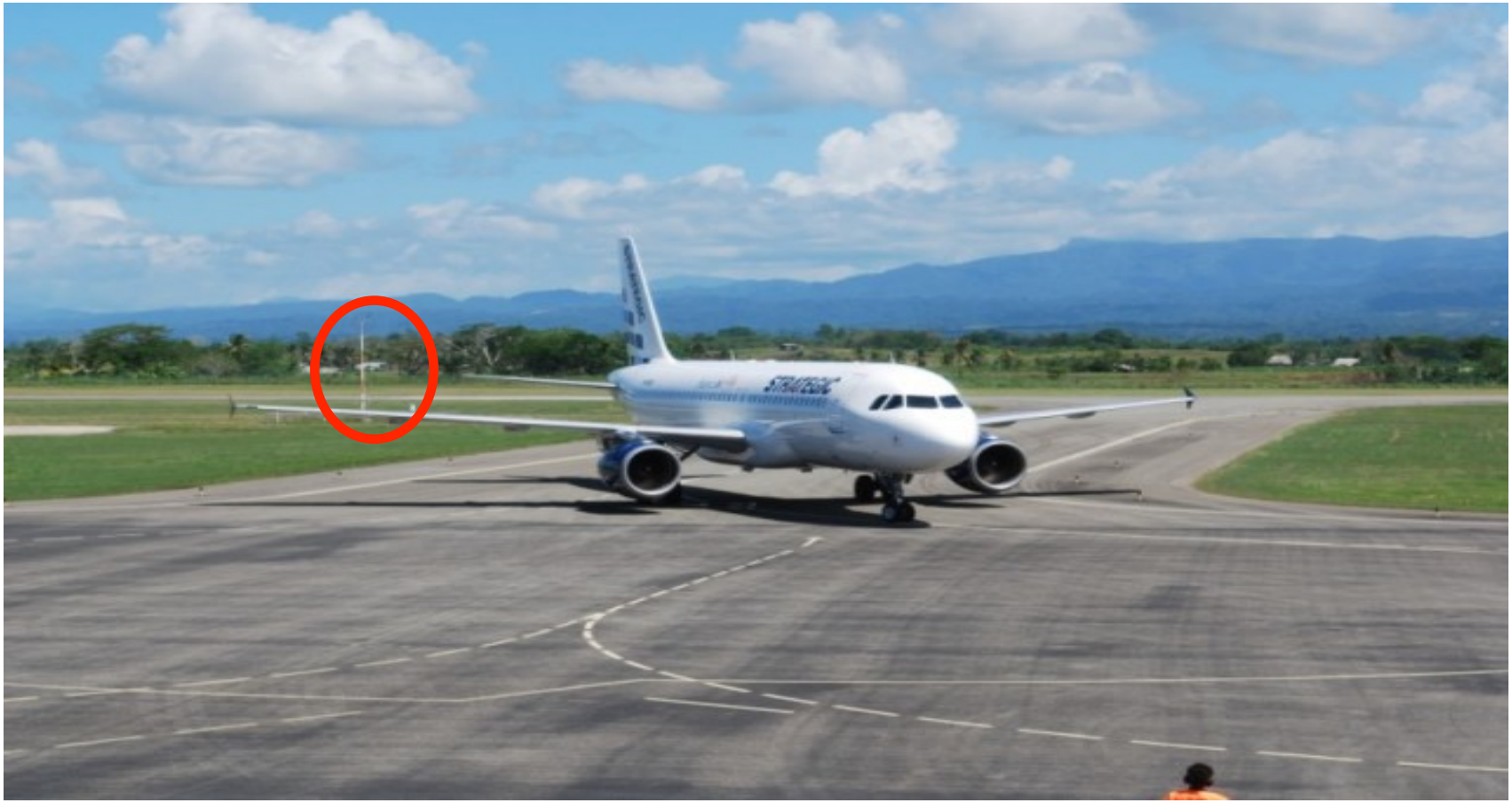


Figures 11 and 12. Independence, Kansas–near water treatment plant; infrared view.

Figures 13 and 14. Fayetteville, North Carolina–next to a sidewalk; infrared view.

Temperature measurement problems.

The temperature station is on the grass field behind the plane. Anyone see anything wrong with this picture?



Only 11% of the sites are reliable.

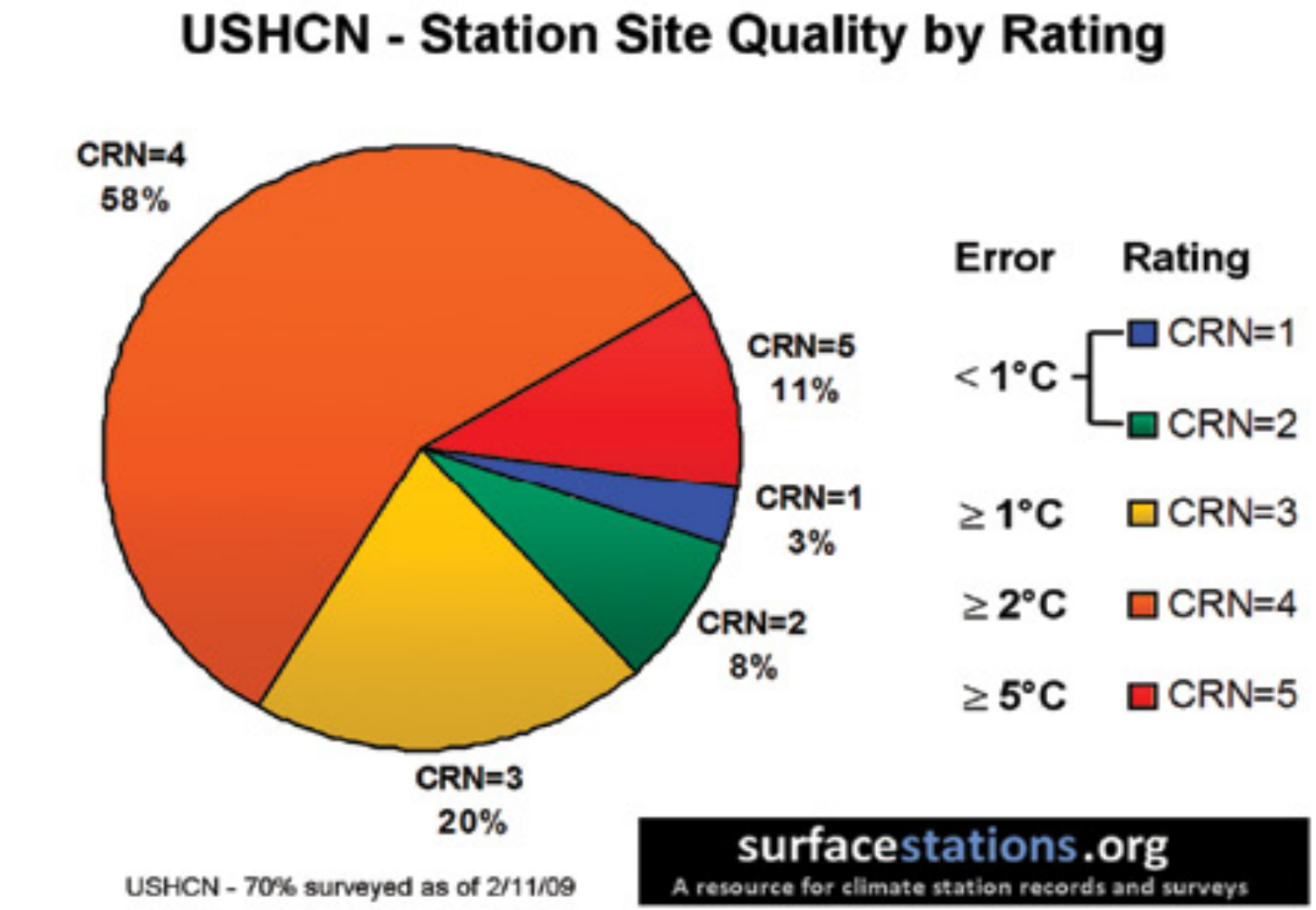
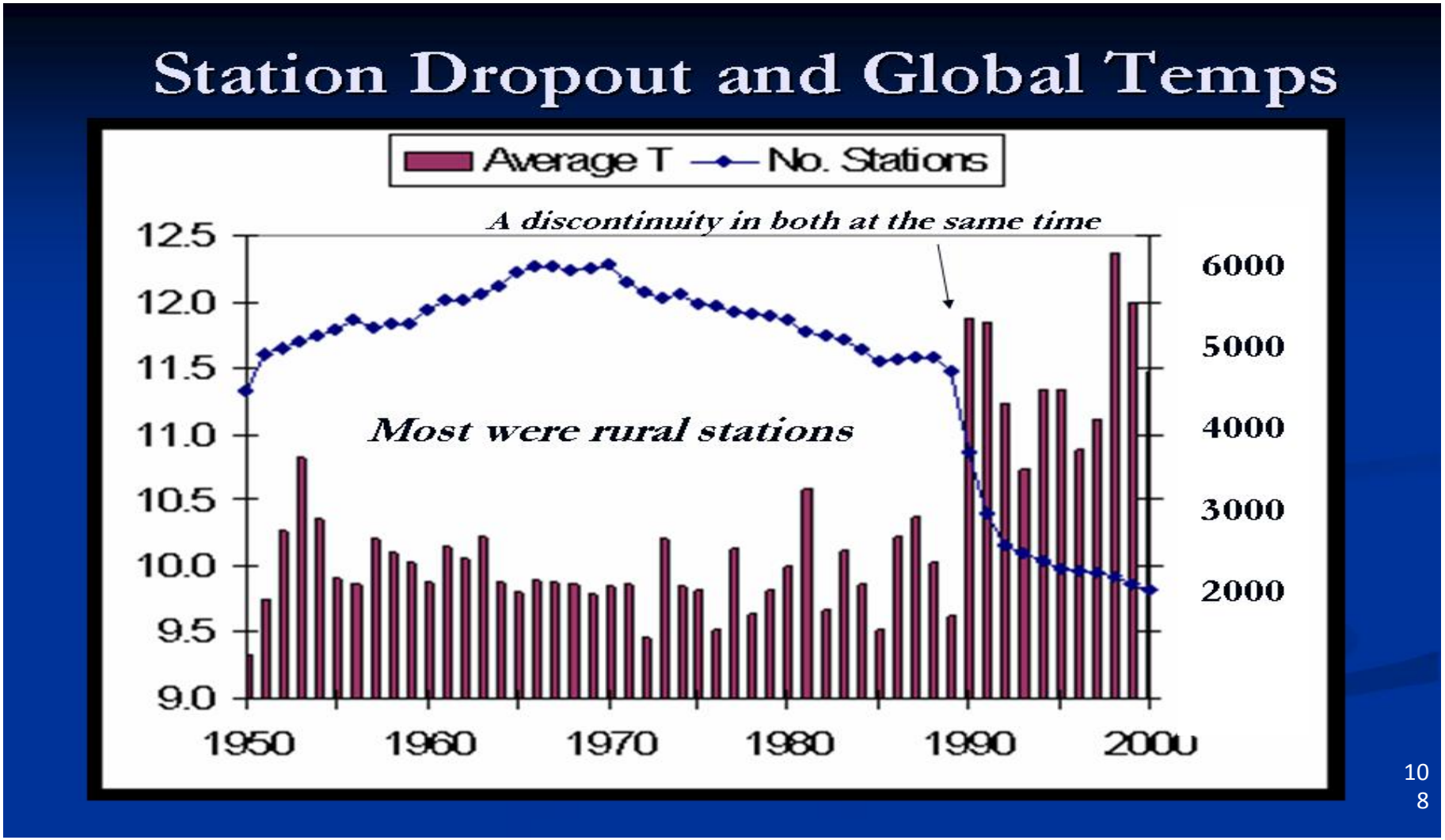
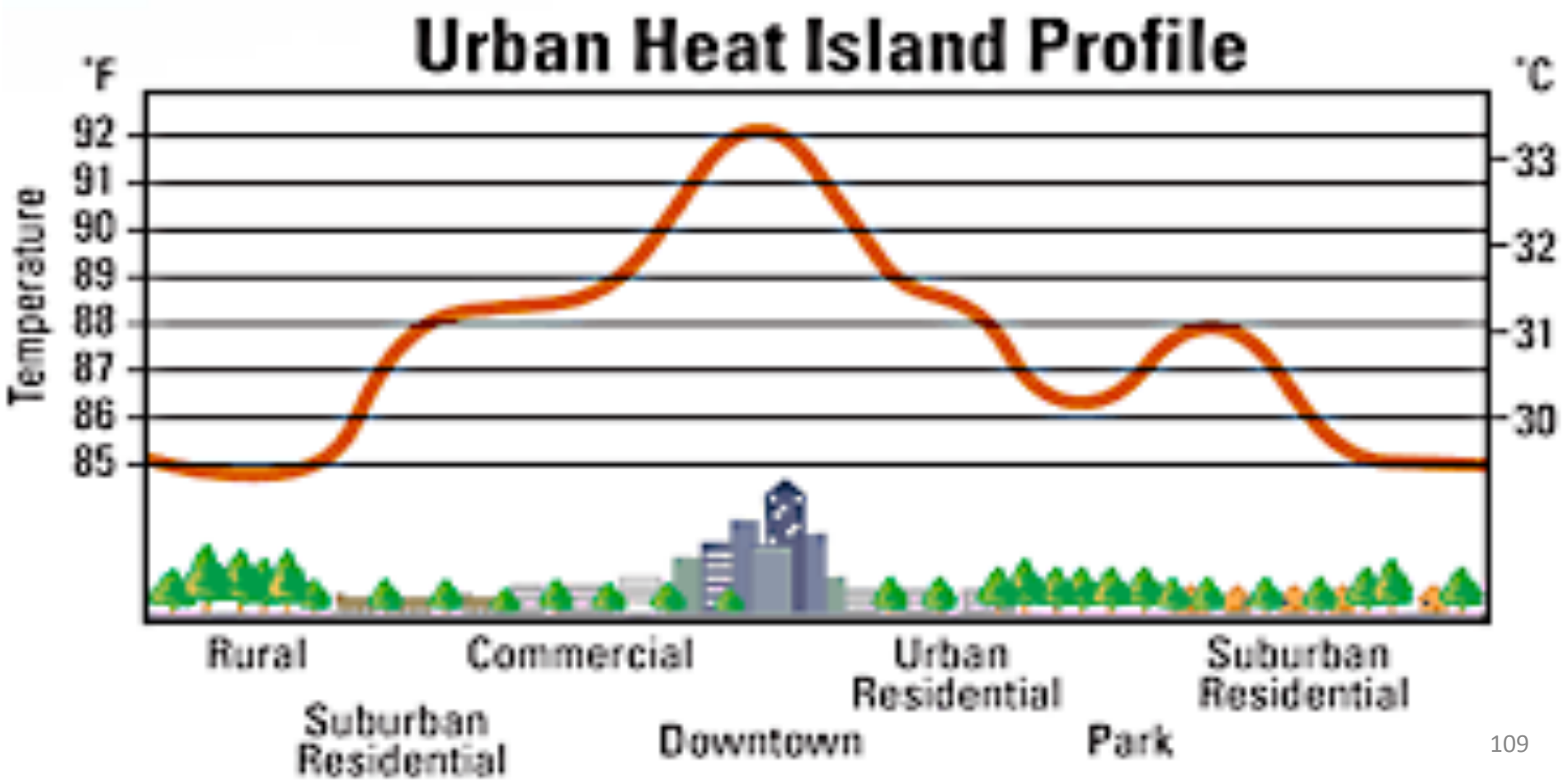


Figure 27. Most of the surveyed temperature stations in the U.S. fall into categories that mean they are unreliable. Only stations in CRN=1 and CRN=2 – 11 percent of all stations – are reliable.

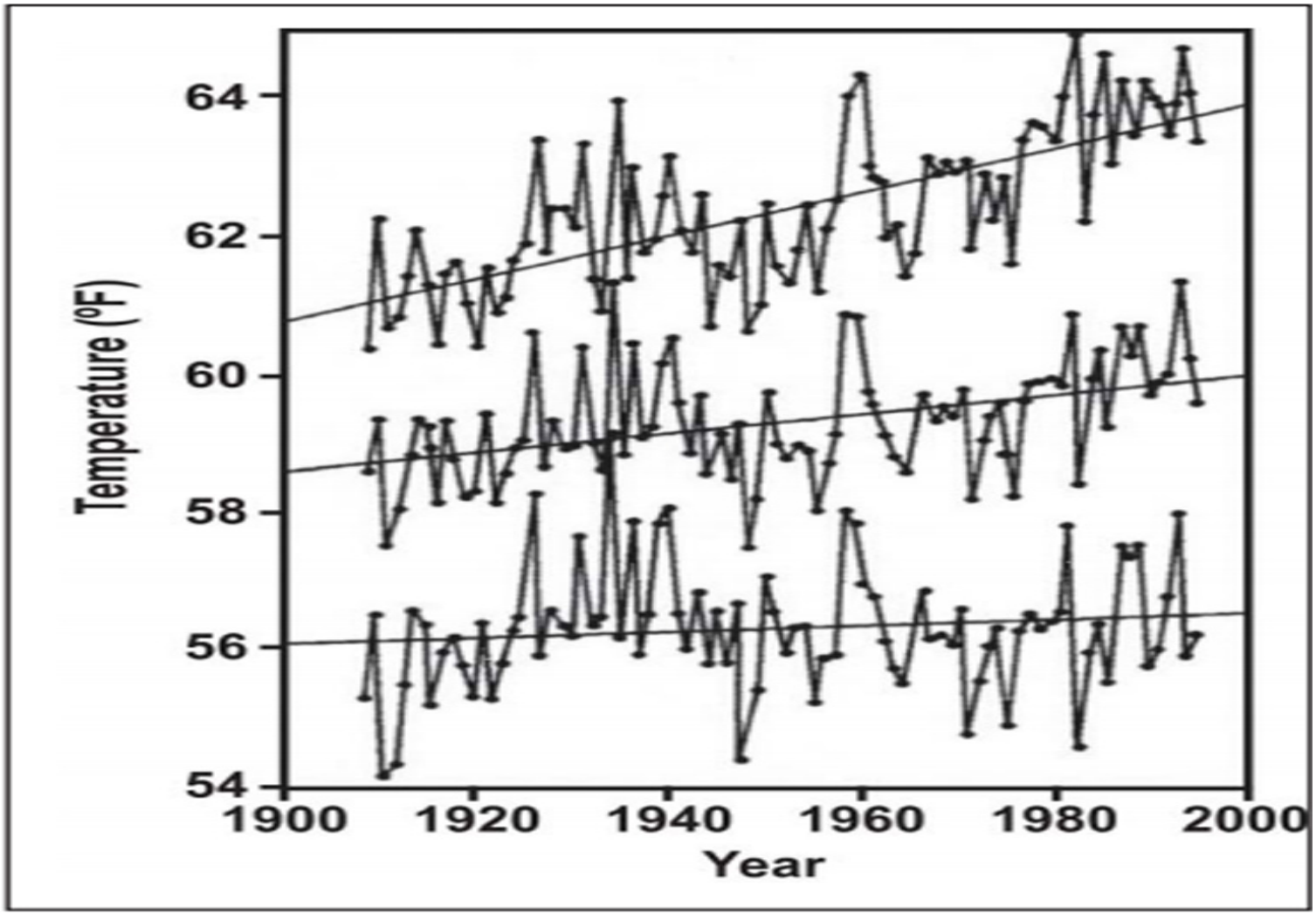
The rural temperature stations were the most accurate, because they were not effected by urban development.



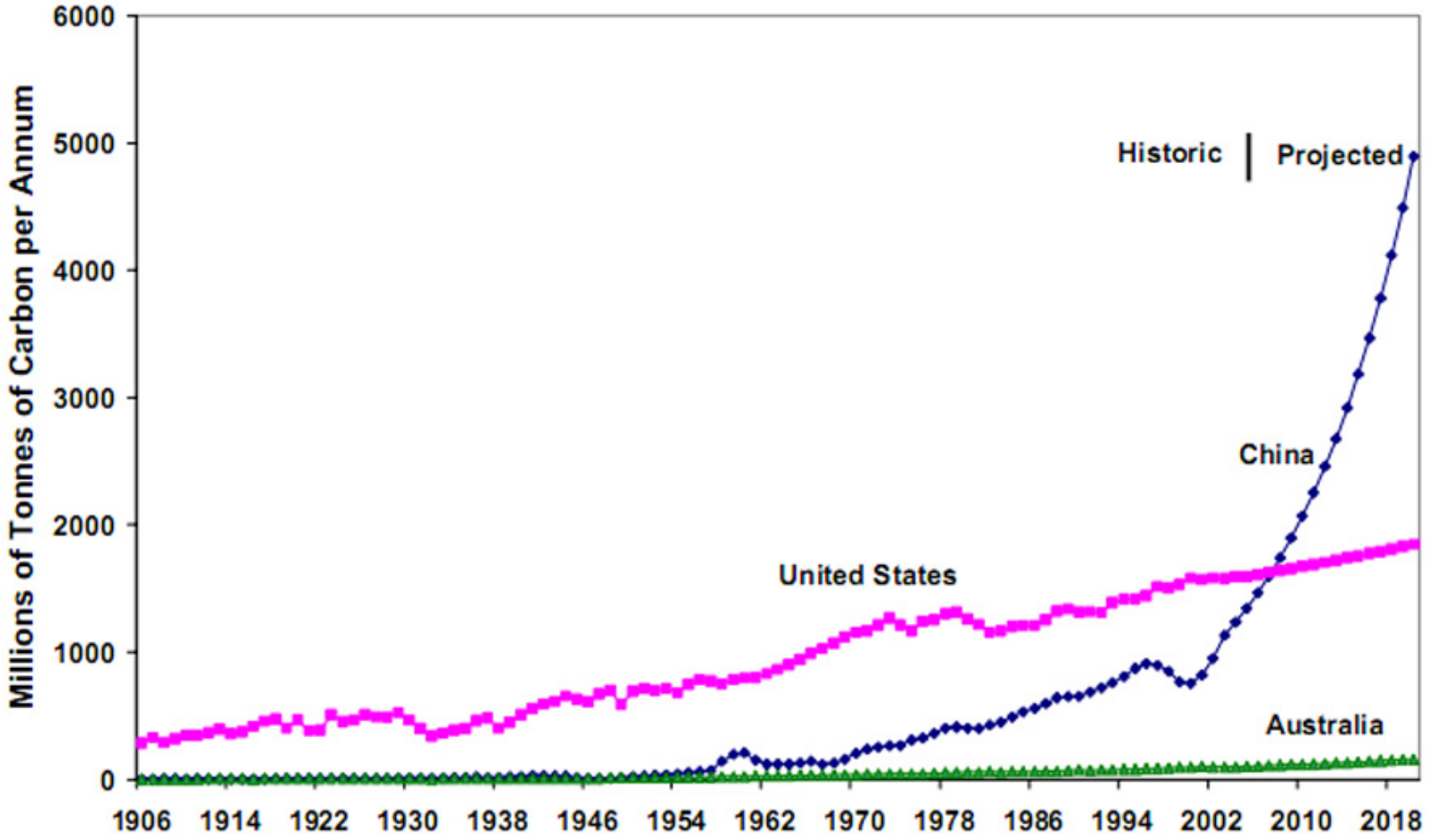
Schematic of Urban Heat Island Effect (from the EPA)



Urban Heat Island Effect
(How it varies with populations of 1 million, 100,000 & 10,000)



Historic and Projected Atmospheric Carbon Contributions by the United States, China and Australia



A society's standard of living is directly proportional to the amount of energy consumed.

Do you really believe that this is the direction we should be heading?

The end of scientific consensus

"Today's debate about global warming is essentially a debate about freedom. The environmentalists would like to mastermind each and every possible (and impossible) aspect of our lives."

* * *Vaclav Klaus* – President of the Czech Republic * * *(Blue Planet in Green Shackles)*

The Royal Society, which is Britain's top dog in science (indeed many scientists would say the world), has just published a report signalling the end of claims of a consensus by some climate scientists and some governments that the world faces dangerous warming unless governments act quickly to reduce emissions of greenhouse gases.

* * Des Moore * * (The Australian, October 7, 2010)

Polar Ice Melt: Over 90% of Melt Due To Soot, Not CO2, According To Peer-Reviewed Study. Scientific American – June 8, 2007

Soot is three times more effective than carbon dioxide--the most common greenhouse gas--at melting polar snow. On snow—even at concentrations below five parts per billion—such dark carbon triggers melting, and may be responsible for as much as 94 percent of Arctic warming.

How can we believe the "information" (propaganda) coming from these national climate science bodies, when they are manipulating, hiding, and destroying data?

How can we continue watching as $90 Billion is wasted on these criminal activities?

Consensus is NOT Science. A Scientist Uses Facts, Logic, and Common Sense, with a healthy dose of skepticism.

- 1400 Consensus: Flat Earth
- 1600's Consensus: Earth At Center Of Universe
- Be a Skeptic
- Do your own research
- *Rely on observed data, not computer models.*

Excellent web sites on "~~Global Warming~~", er "~~Climate Change~~", er "Global Climate Disruption":

1. http://www.c3headlines.com/
2. http://climatedepot.com/
3. http://www.co2science.org/
4. http://www.friendsofscience.org/
5. http://wattsupwiththat.com/
6. http://www.solarcycle24.com/
7. http://www.sepp.org/

The "Precautionary Principle"

The Alarmists claim that: "Even if we do not have all the facts, we must proceed and reduce CO2 emissions by all means, regardless of the cost, *'just-in-case'*, because if we wait, it will be too late to save mankind and our planet.

Oh Really? By the same logic, when we reach the age of 30, each man must have his prostate removed, and each woman must have a double mastectomy.

"Just in case - you know. "

Questions?