

Global Warming

Anthropogenic Global Warming

Climate Change

“Greatest threat to humankind!”

Proven...?

Debate is Over?

97% of scientists say manmade climate change is real.

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The claim that “97% of scientists agree” is in part based on 77 anonymous scientists who responded to a survey. The survey started by seeking opinions from 10,257 scientists. However, only 77 responded. So the 97% “consensus” claim is not based on thousands of scientists or even hundreds of scientists – but only on 77. Out of those 77 scientists, 75 answered the survey to form the mythical 97% “consensus.

Policy makers continue to make this statement.....

Thousands of scientists around the world who research this, dispute the claim, including the founder of The Weather Channel.

Theory:

an idea that is suggested or presented as possibly true but that is not known or proven to be true

Hypothesis:

an idea or theory that is not proven but that leads to further study or discussion

Fact:

something that truly exists or happens : something that has actual existence: proven

Scientific Method:

principles and procedures for the systematic pursuit of knowledge involving the recognition and formulation of a problem, the collection of data through observation and experiment, and the formulation and testing of hypotheses

Carbon dioxide is identified an airborne contaminant and regulated by the United States Environmental Protection Agency.

During the past 4 years, the EPA designated carbon dioxide to be a greenhouse gas, a pollutant, like methane, nitrous oxide, sulfur dioxide (add much greater effect in greenhouse gas than carbon dioxide, methane ~25 times greater), and began preparing regulations to limit and control carbon dioxide emissions from coal burning power plants. EPA was sued, and Supreme Court ruled that the regulations for air quality are EPA's jurisdiction, and declined to rule thereby making EPA's ruling stay.

Carbon dioxide is claimed to be a greenhouse gas and concentrations in the atmosphere have been rising steadily.

From 1996 to 2014, carbon dioxide concentrations increased from 260 to 390 parts per million, 0.18% over 18 years or 0.01%/year.

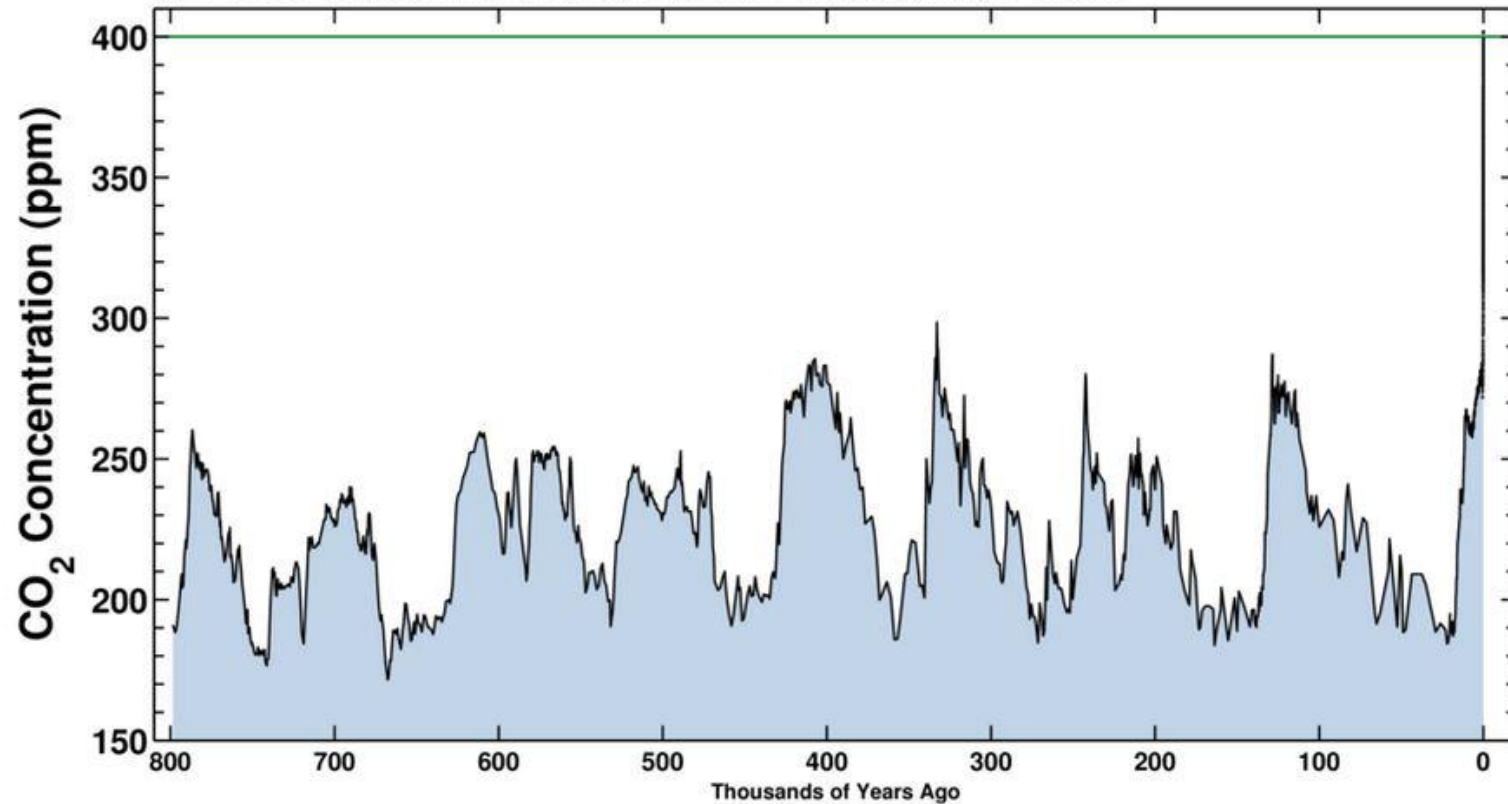
Data from Hawaii shows this.

THE KEELING CURVE

Latest CO₂ reading
September 17, 2014

394.61 ppm

Ice-core data before 1958. Mauna Loa data after 1958.



[One Week](#)

[One Month](#)

[Six Months](#)

[One Year](#)

[Two Years](#)

[Full Record](#)

[1700-present](#)

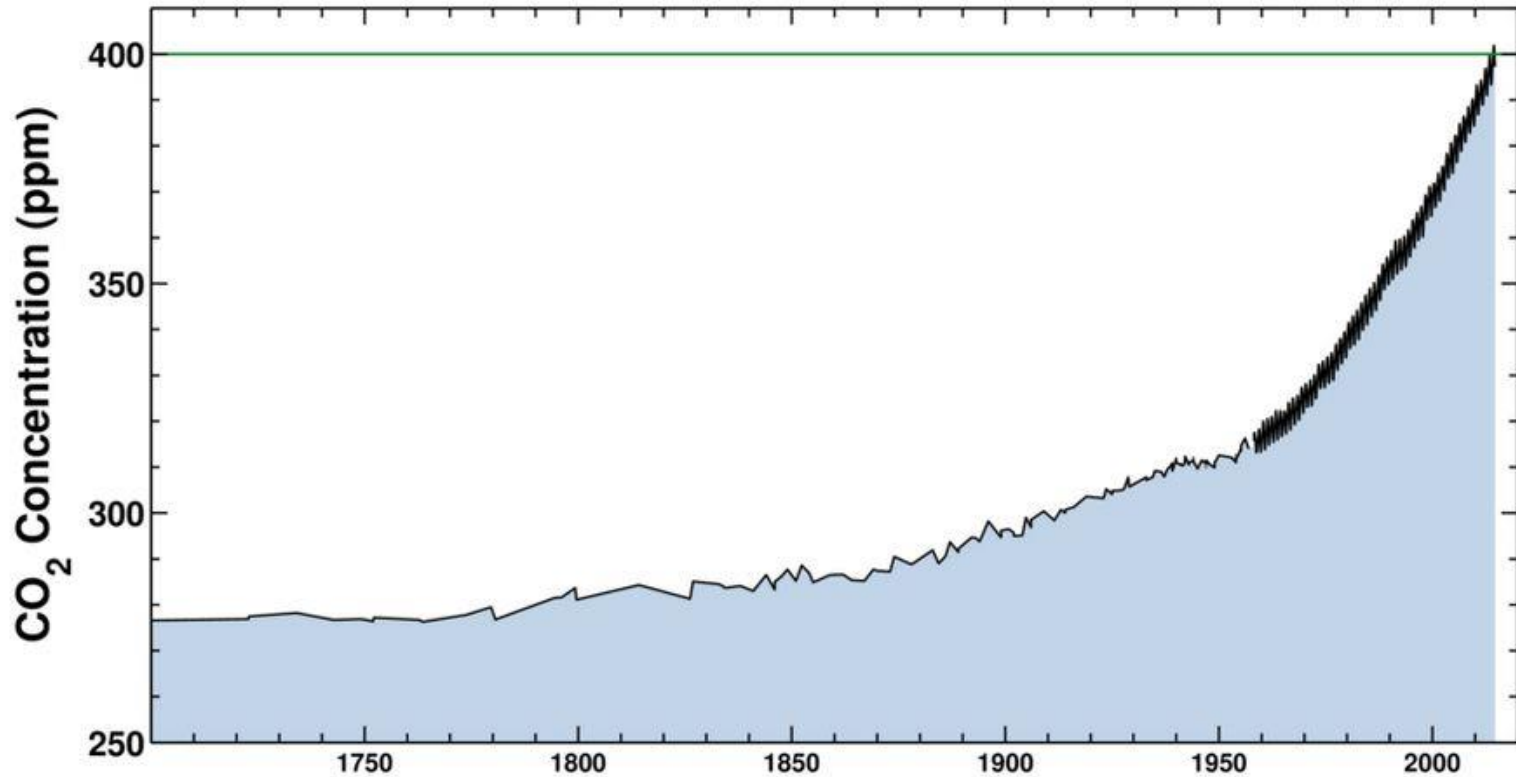
[800,000 years](#)

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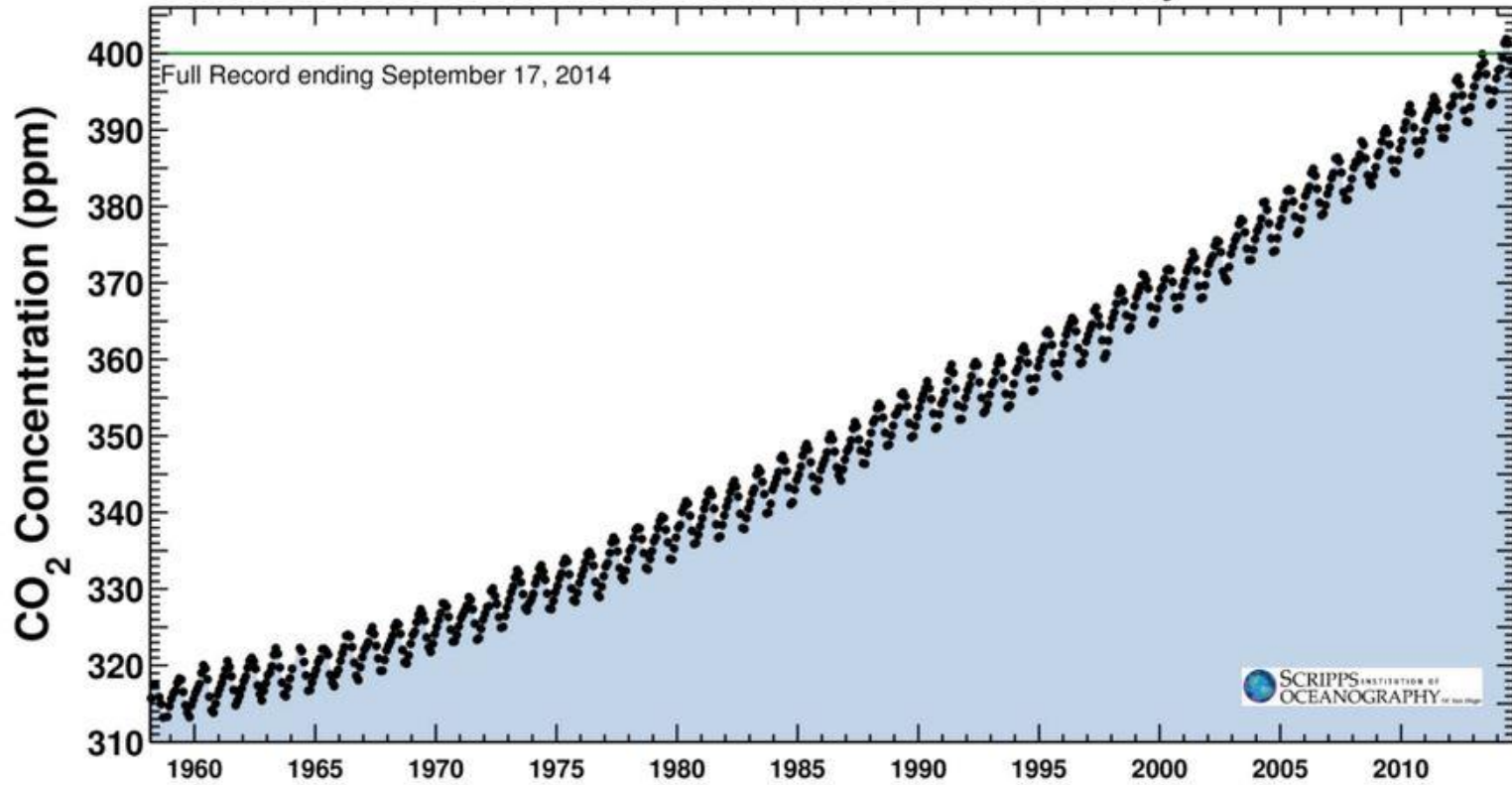
[800,000 years](#)

THE KEELING CURVE

Latest CO₂ reading
September 17, 2014

394.61 ppm

Carbon dioxide concentration at Mauna Loa Observatory



[One Week](#)

[One Month](#)

[Six Months](#)

[One Year](#)

[Two Years](#)

[Full Record](#)

[1700-present](#)

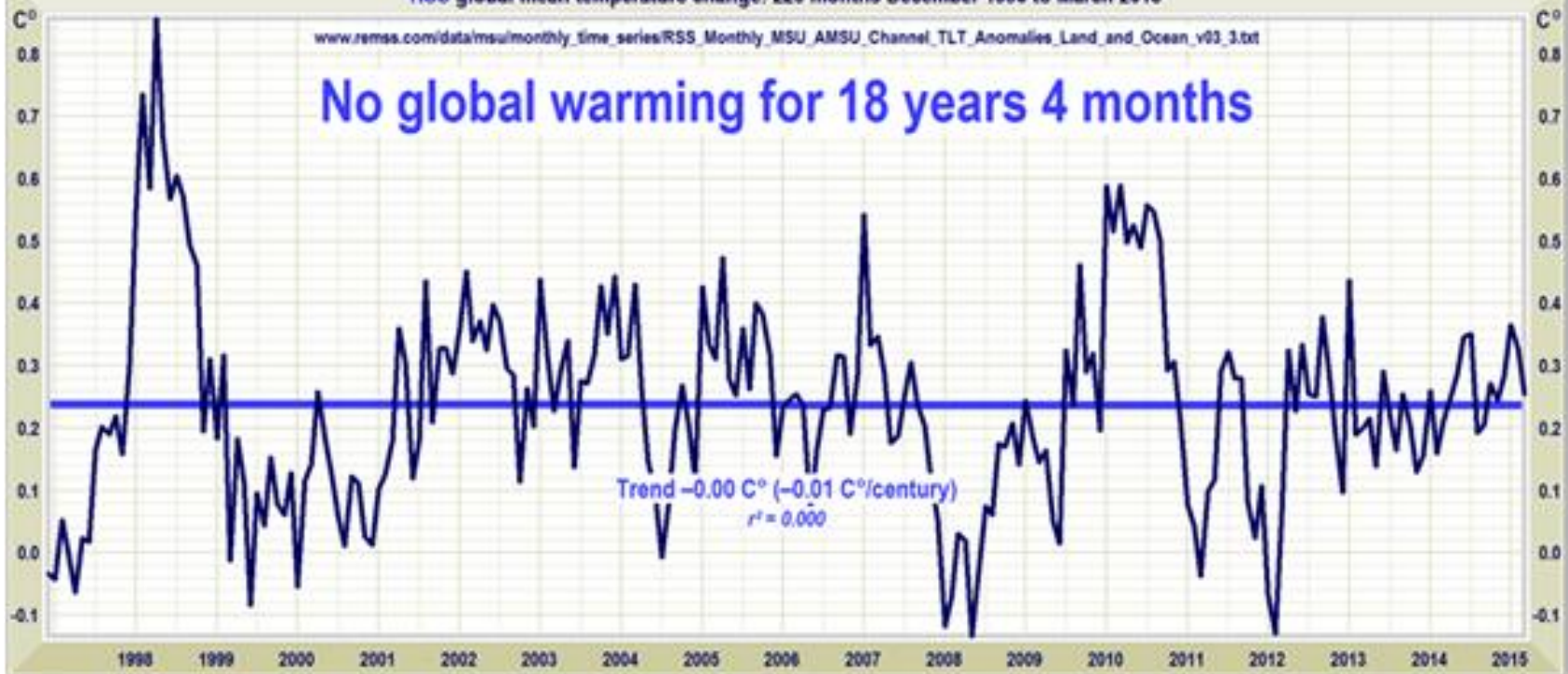
[800,000 years](#)

If Carbon Dioxide is a cause of global warming, and concentrations have continued to increase as demonstrated by real data, then do you think that temperatures would be expected to increase also, and in the same proportion?

RSS global mean temperature change: 220 months December 1996 to March 2015

www.remss.com/data/msu/monthly_time_series/RSS_Monthly_MSU_AMSU_Channel_TLT_Anomalies_Land_and_Ocean_v03_3.txt

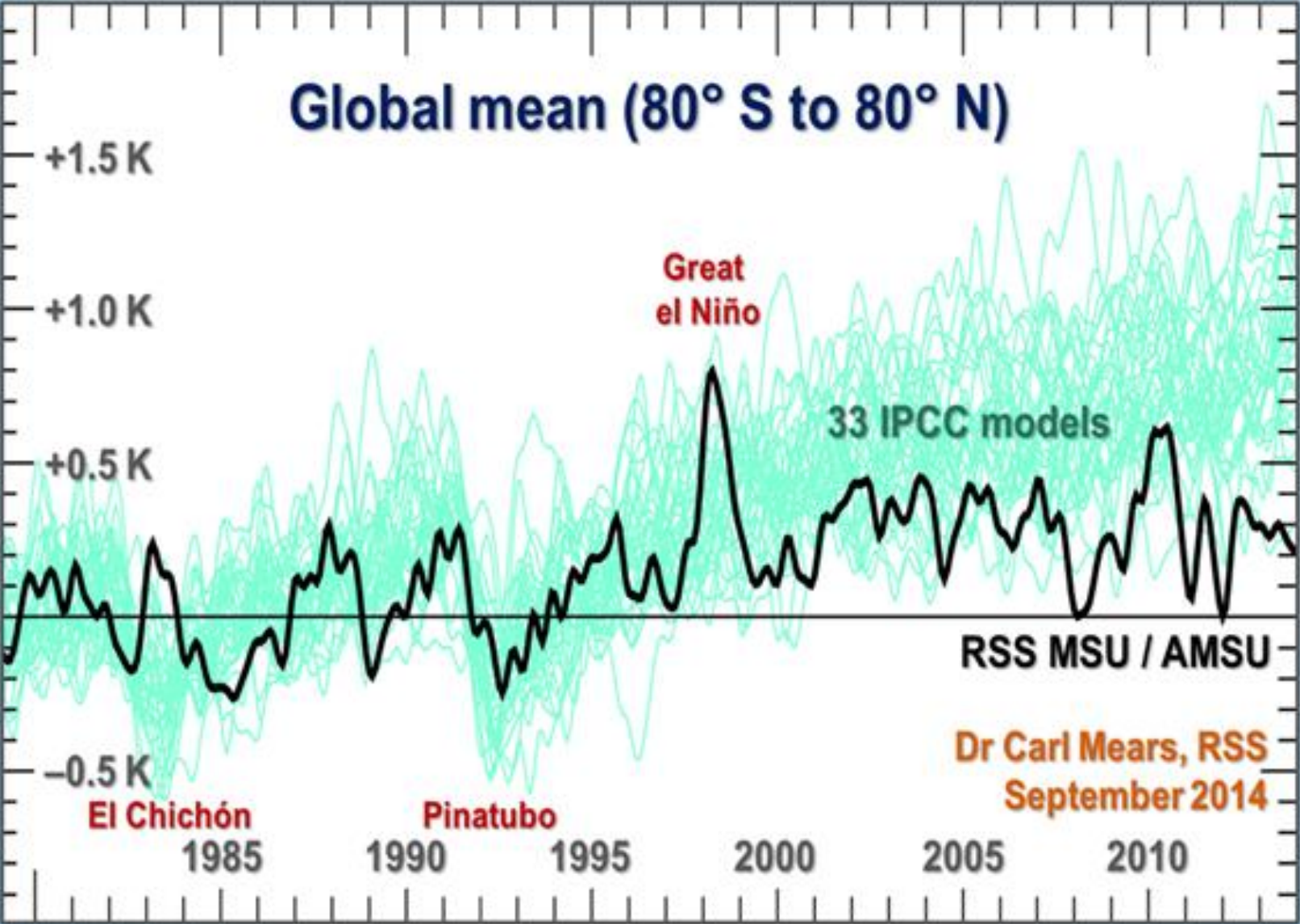
No global warming for 18 years 4 months



International Panel on Climate Change (United Nations)

Multiple computer models. Accurate Predictions?

Global mean (80° S to 80° N)



RSS MSU / AMSU

Dr Carl Mears, RSS
September 2014

Computer models predicting climate decades into the future. How accurate are the weather predictions weeks or months into the future?

Climate complex with hundreds of factors.

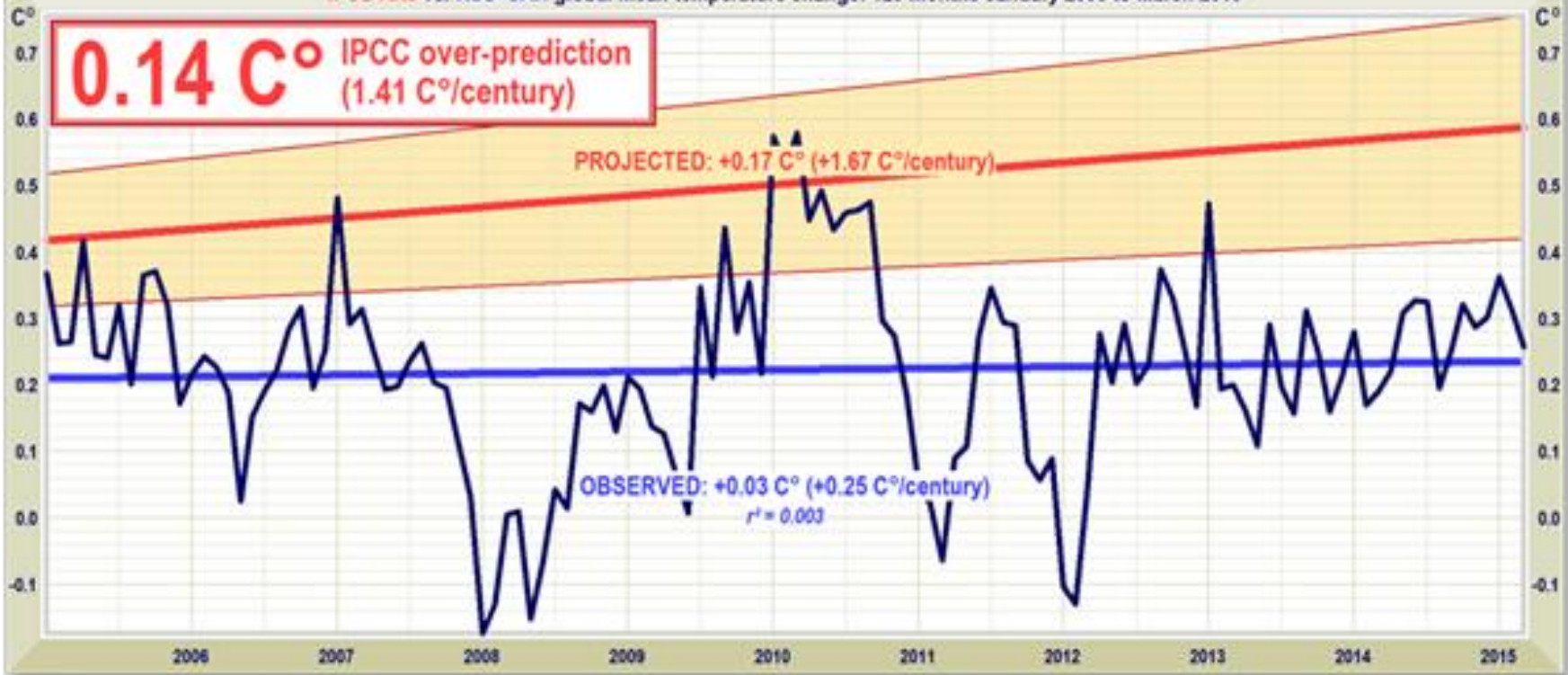
Main factor: the **Sun**. Other Factors:

volcanoes, tilt of the Earth's axis, water vapor, methane, clouds, ocean cycles, plate tectonics, shifting ocean currents, albedo (Earth's changing reflective properties), atmospheric dust, atmospheric circulation, cosmic rays, particulates like carbon soot and volcanic dust, forests and grasslands, urban and other land use changes. Climate change is governed by hundreds of factors, not just CO₂.

IPCC FAR vs. RSS+UAH global mean temperature change: 303 months January 1990 to March 2015

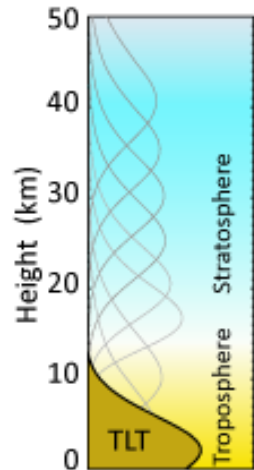


IPCC AR5 vs. RSS+UAH global mean temperature change: 123 months January 2005 to March 2015



Channel

TLT ▾

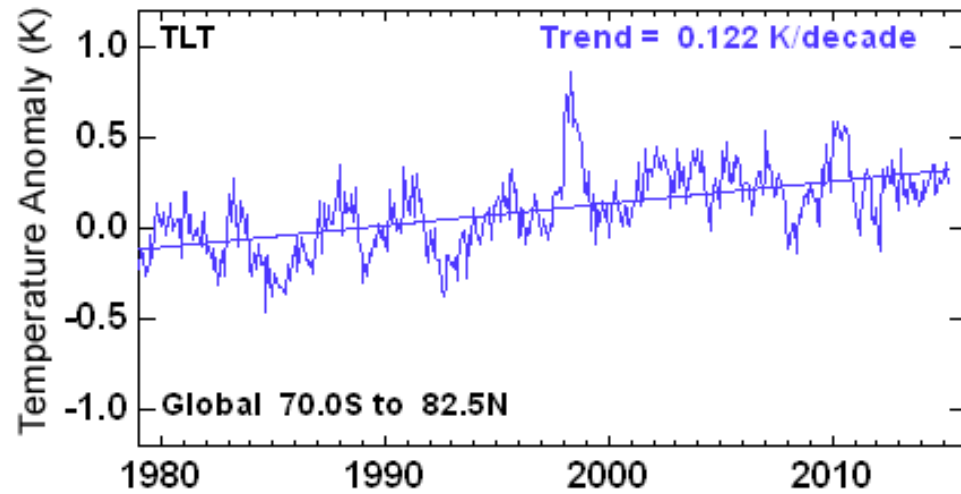


History

Full Recent

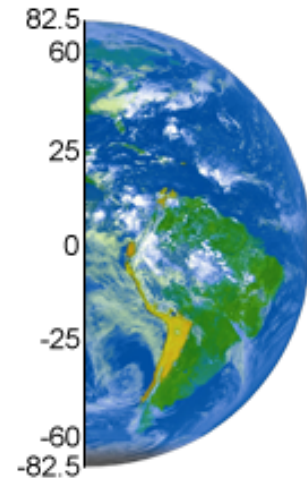
Trend Map

Download Data



Region

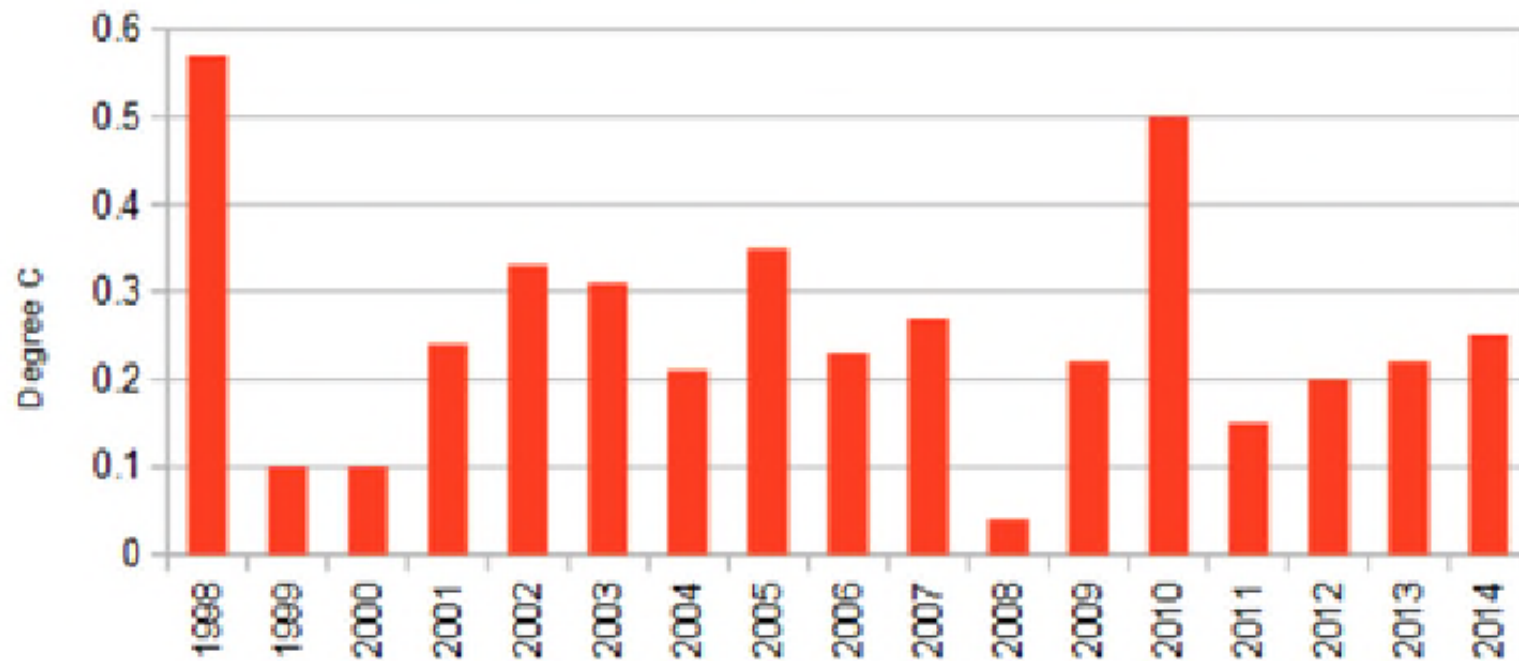
Global (-70,82.5) ▾



[Browse monthly temperature maps](#)

RSS Global TLT Temperature Anomalies

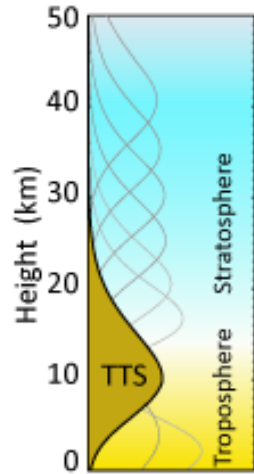
Nov YTD



(<http://notalotofpeopleknowthat.files.wordpress.com/2014/12/image8.png>)

Channel

TTS ▾

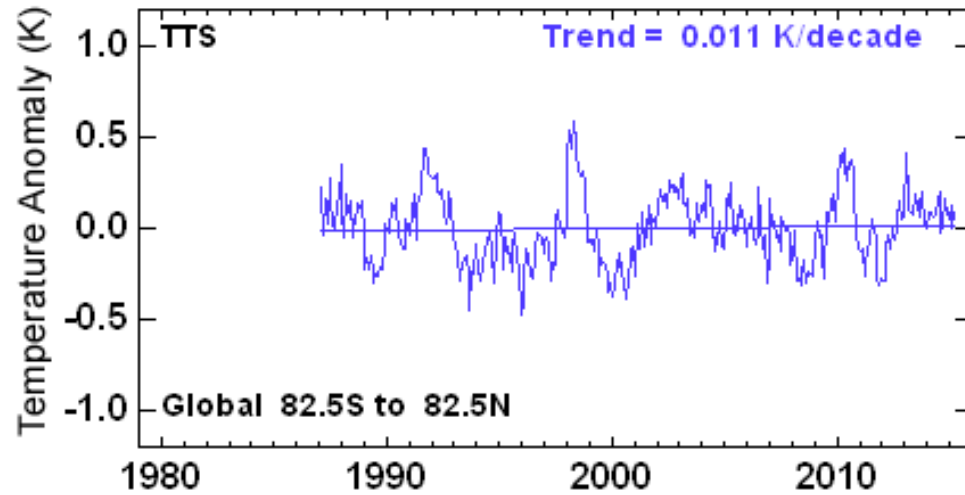


History

Full Recent

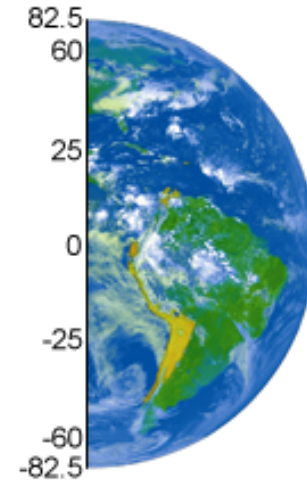
Trend Map

Download Data



Region

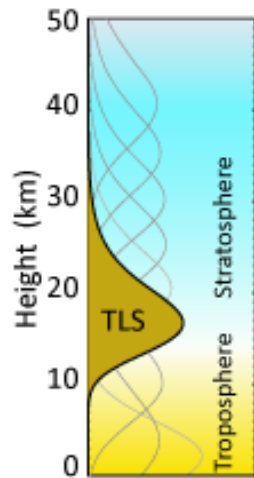
Global (-82.5,82.5) ▾



[Browse monthly temperature maps](#)

Channel

TLS ▾

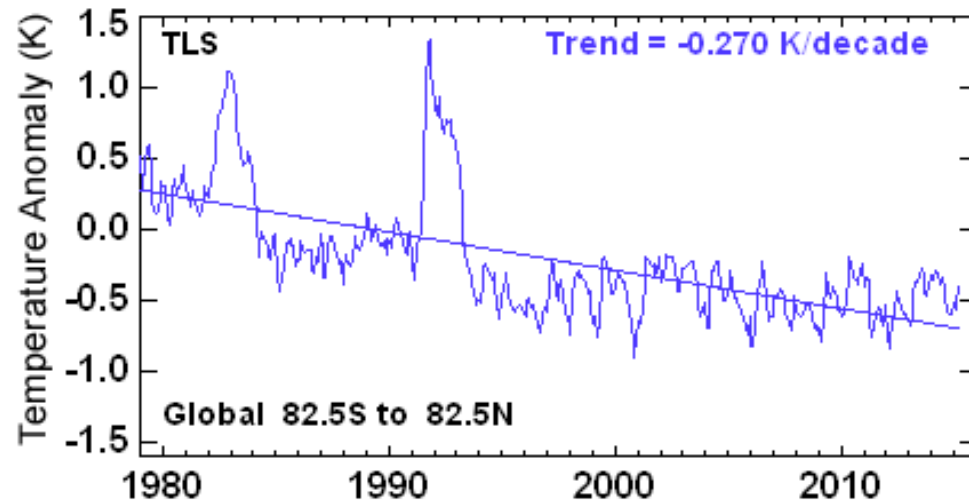


History

Full Recent

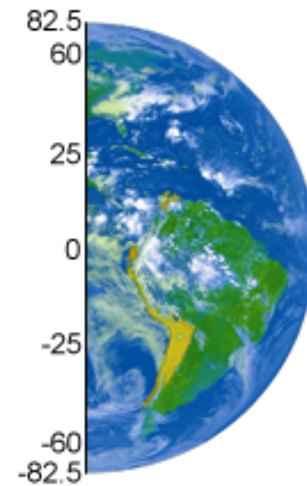
Trend Map

Download Data



Region

Global (-82.5,82.5) ▾



[Browse monthly temperature maps](#)

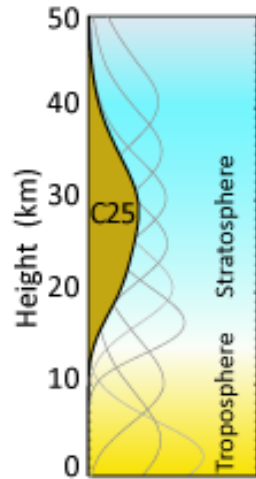
Remote Sensing Systems

www.remss.com



Channel

C25 ▾

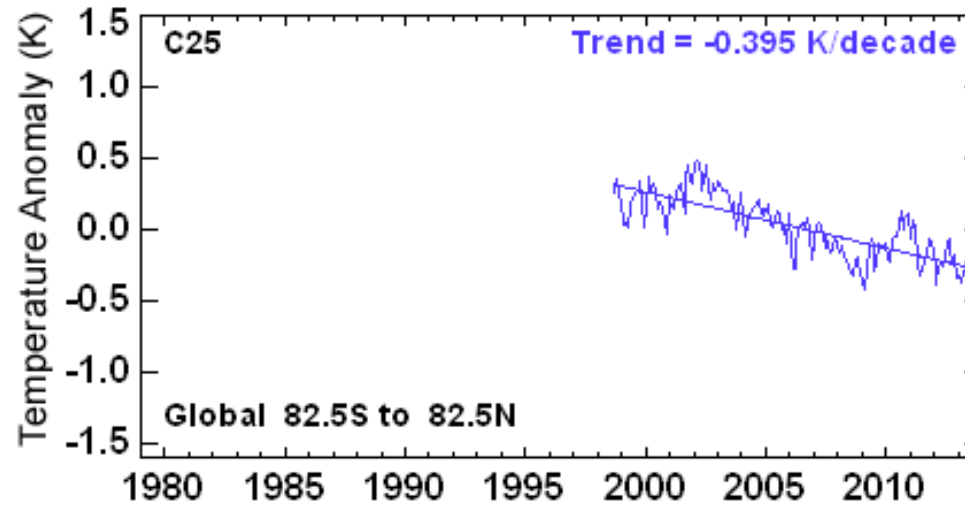


History

Full Recent

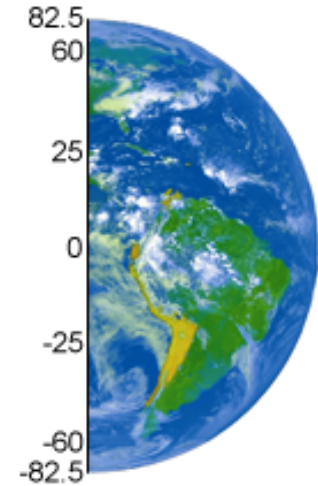
Trend Map

Download Data



Region

Global (-82.5,82.5) ▾



[Browse monthly temperature maps](#)

Medieval Warm Period from AD 950 to 1250. The Center for the Study of Carbon Dioxide and Global Change reported in 2009 that “the Medieval Warm Period was (1) global in extent, (2) at least as warm as, but likely even warmer than, the Current Warm Period, and (3) of a duration significantly longer than that of the Current Warm Period to date.”

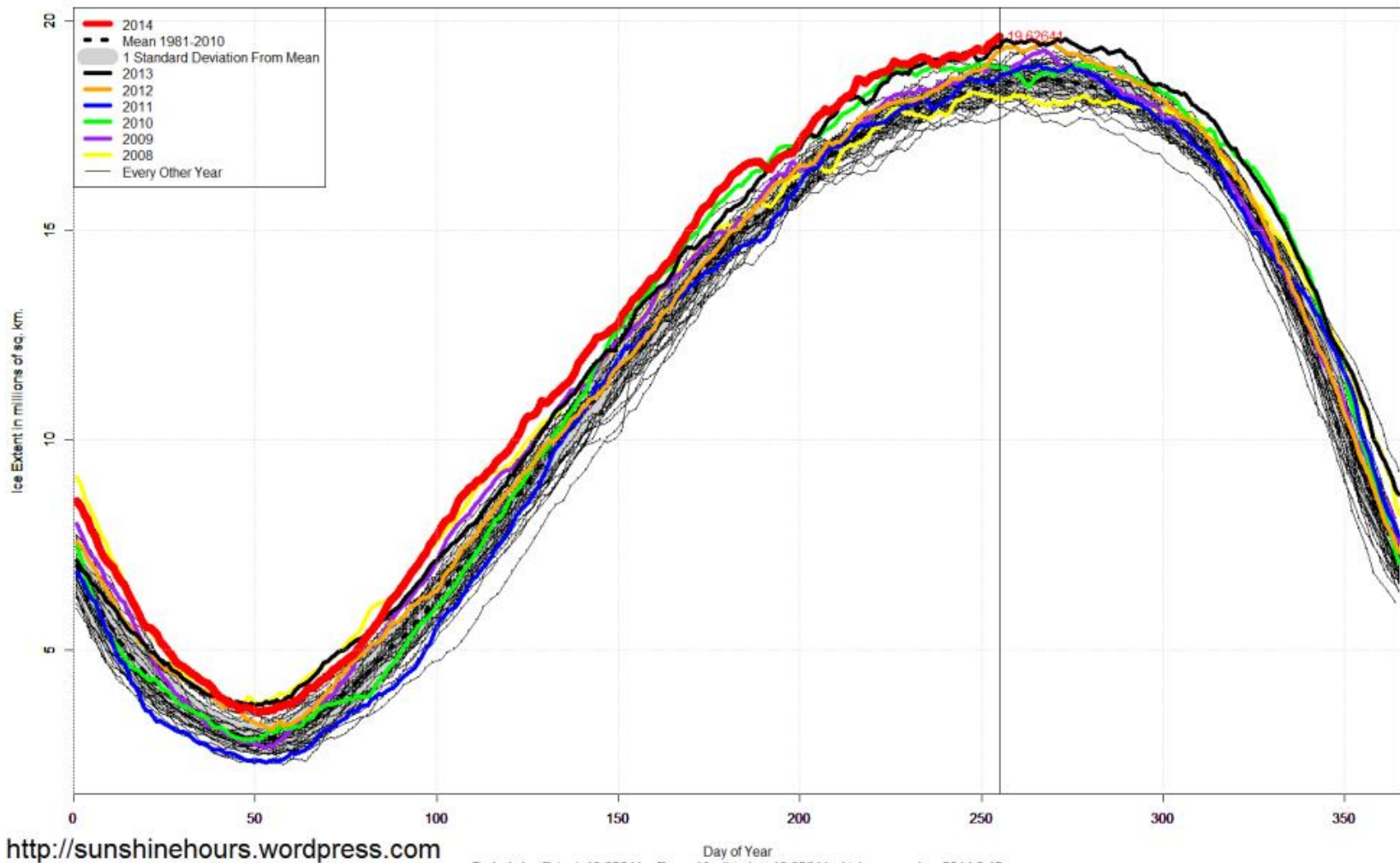
The Science and Public Policy Institute reported in May 2009: “More than 700 scientists from 400 institutions in 40 countries have contributed peer-reviewed papers providing evidence that the Medieval Warm Period (MWP) was real, global, and warmer than the present. And the numbers grow larger daily.”

Greenland was populated by people from Scandinavian countries (Vikings) for years, that farmed (crops and animals).

The extent of sea ice continues to decrease?

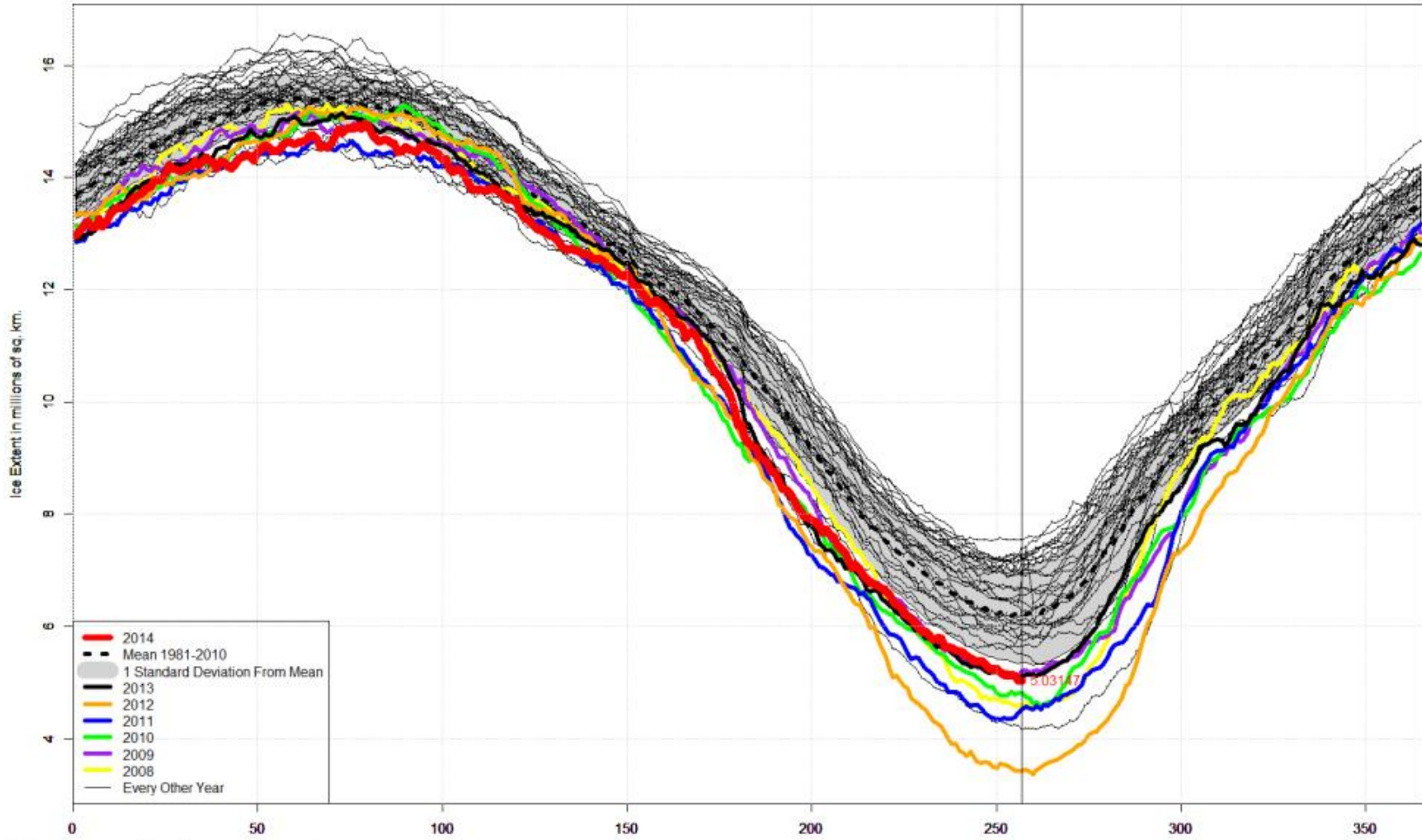
Arctic ice projected to be gone by 2050.

Antarctic Sea Ice Extent Day 255 1978 to 2014



<http://sunshinehours.wordpress.com>

Arctic Sea Ice Extent Day 257 1978 to 2014



<http://sunshinehours.wordpress.com>

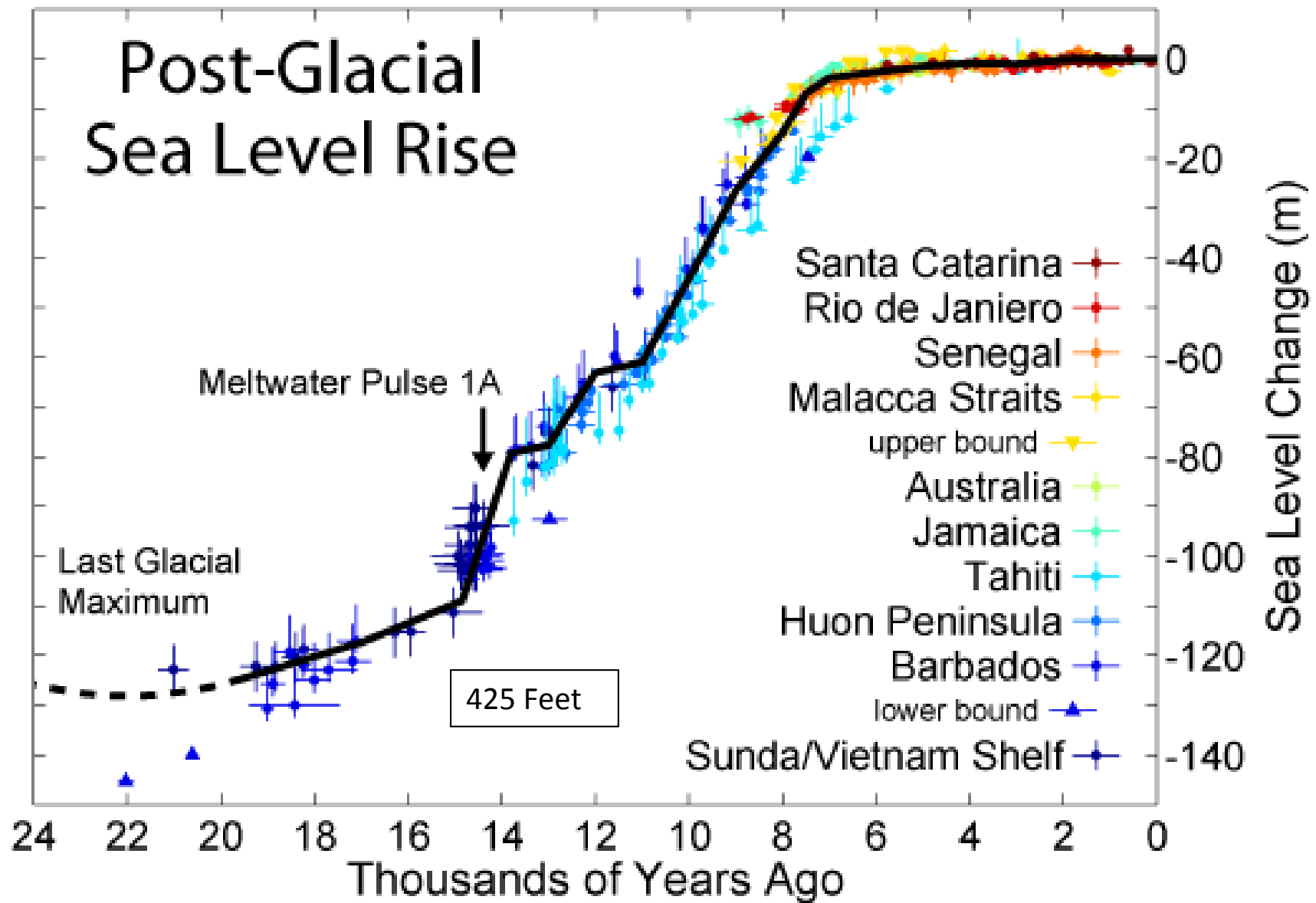
Day of Year
Today's Ice Extent: 5.03147 - Record for the day: 7.54342 which occurred on 1980 9 13

Sea levels are rising around the globe. Is the rate of rise is increasing due to increased carbon dioxide emissions?

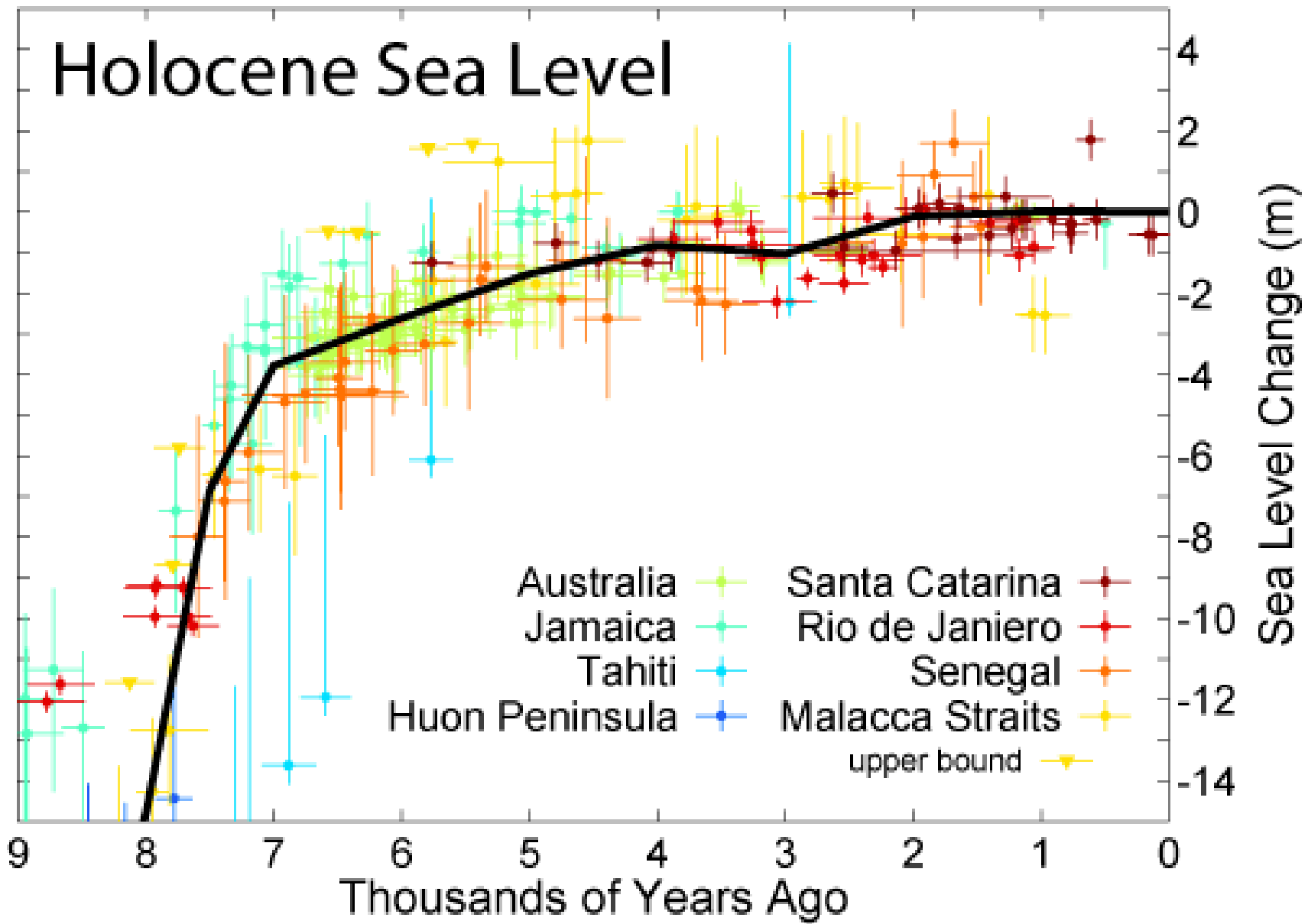
1900 – 2000, 18 cm (7.1 in) in 100 years

0.18 cm/yr (0.07 in/yr).

Post-Glacial Sea Level Rise



Holocene Sea Level

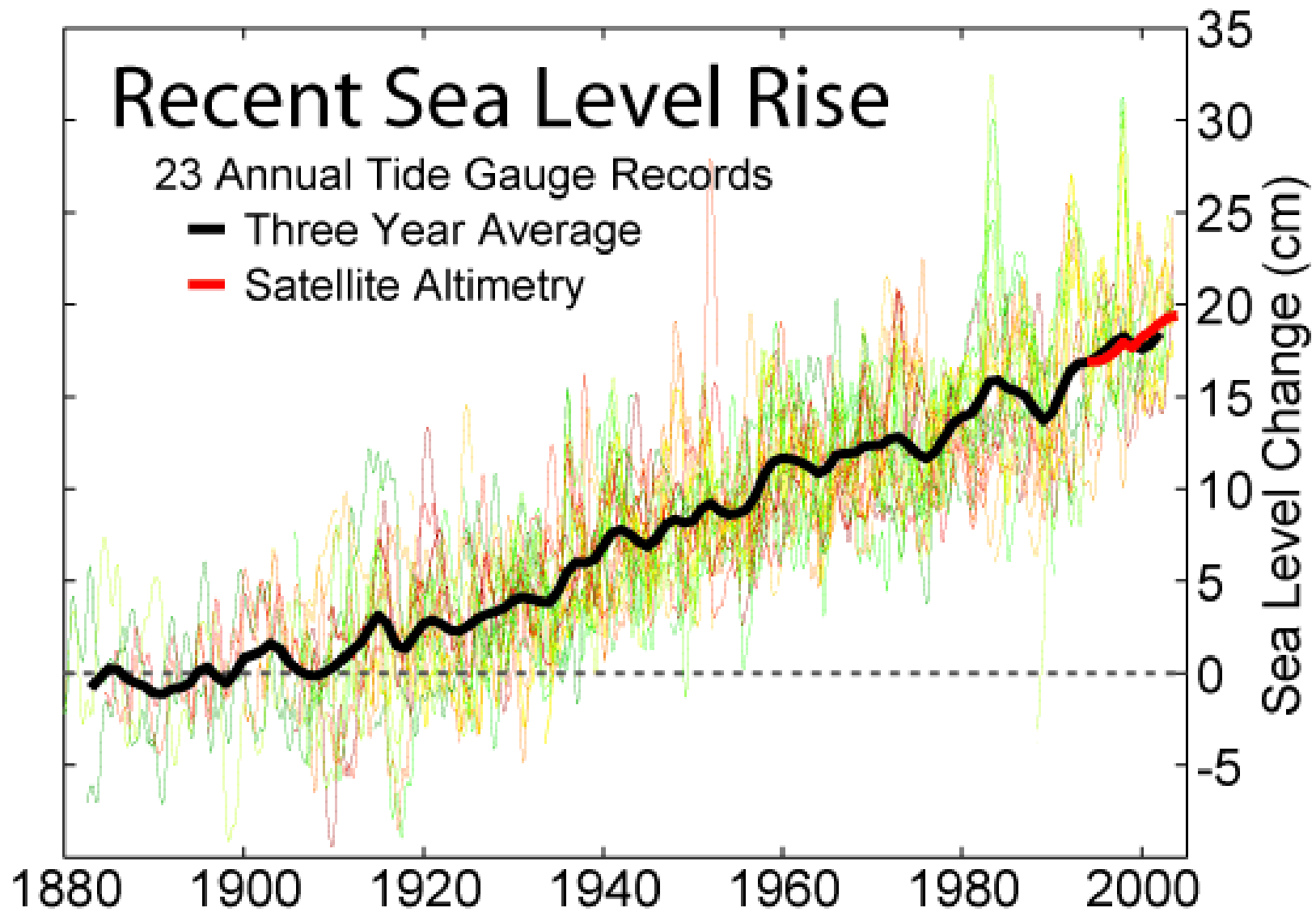


Recent Sea Level Rise

23 Annual Tide Gauge Records

— Three Year Average

— Satellite Altimetry



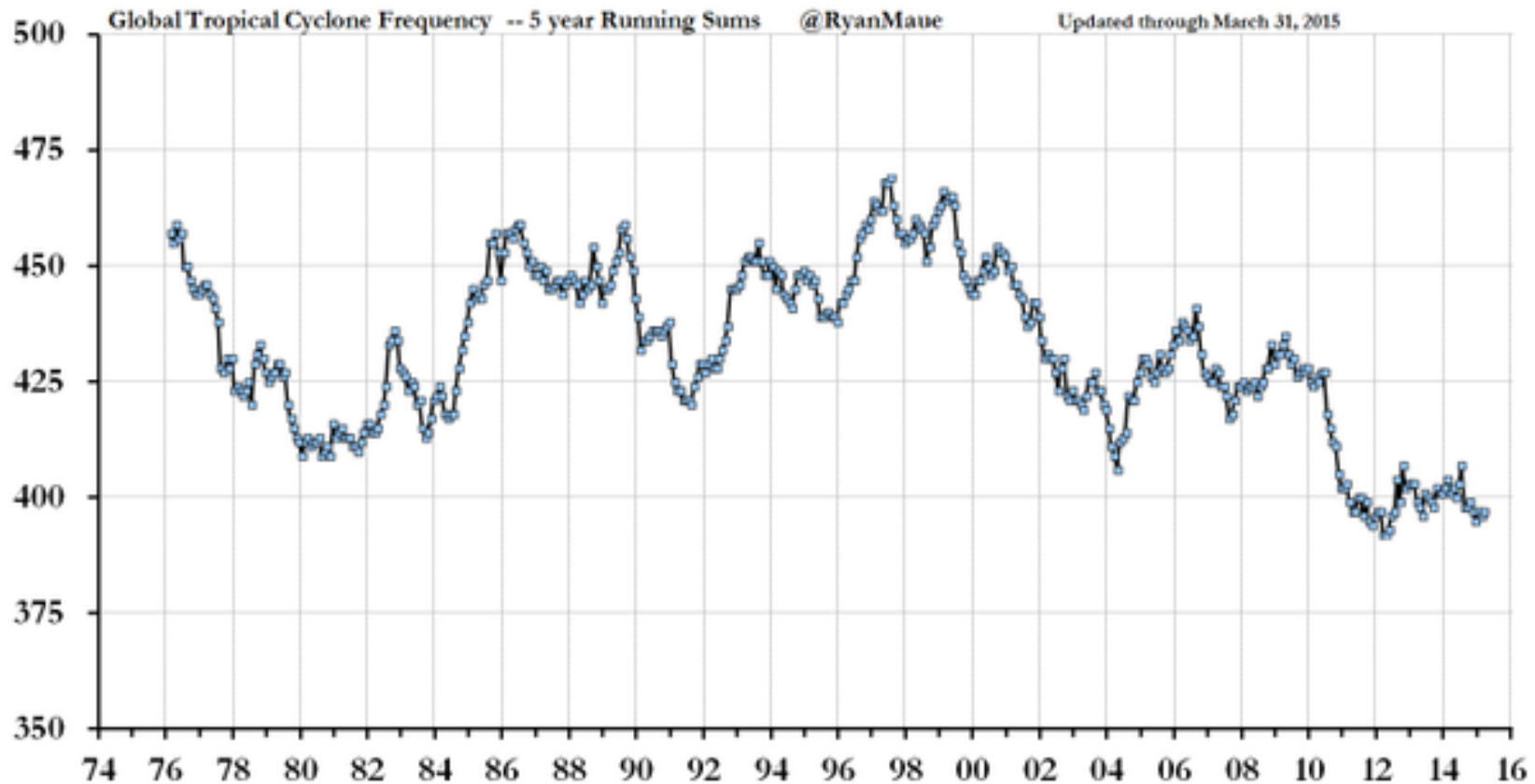
18 cm = 7.1 inches

Sea levels have been rising since the last ice age ended more than 10,000 years ago. There is currently no acceleration in sea level rise.

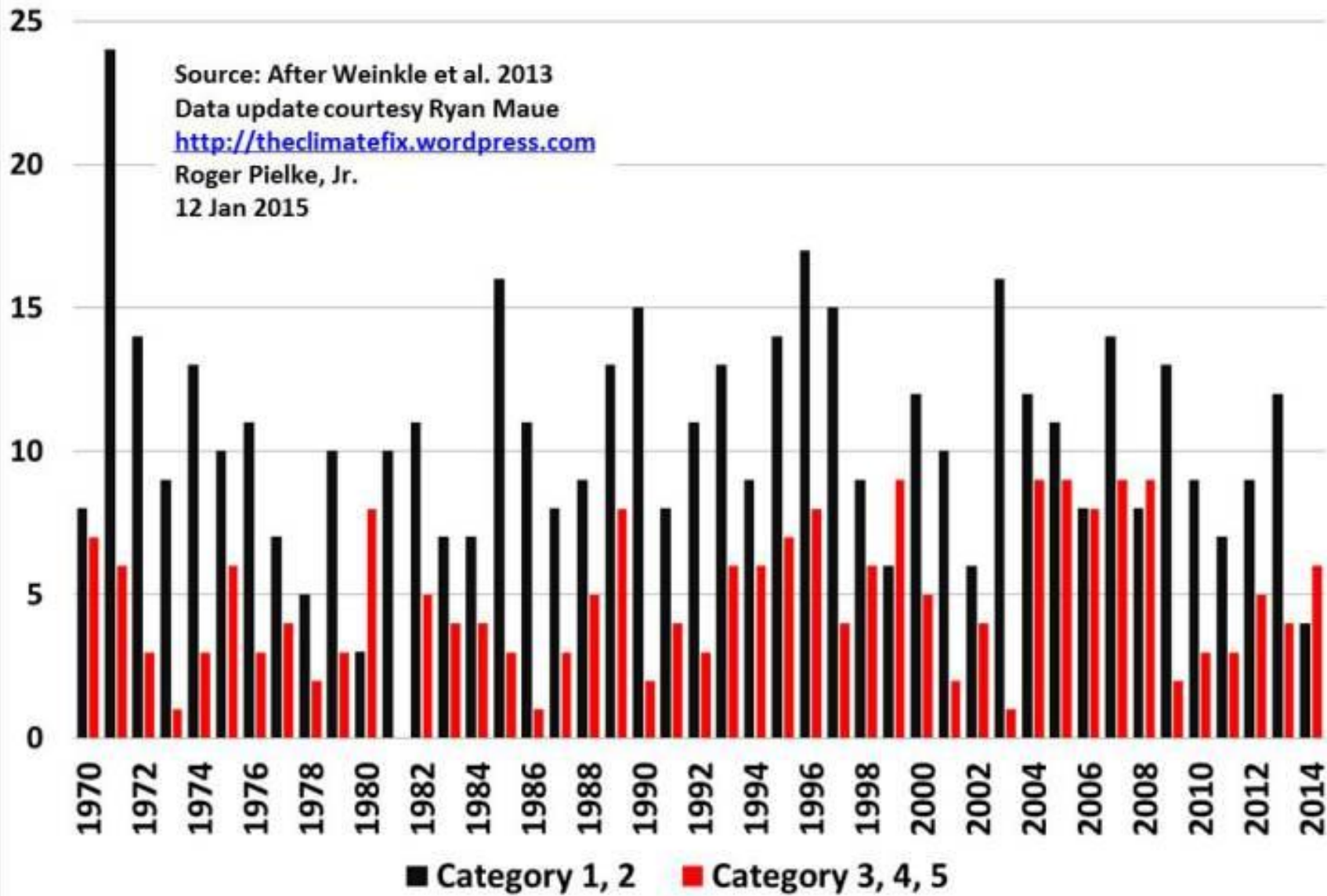
Global sea levels have been naturally rising for ~20,000 years and have decelerated over the past 8,000 years, decelerated over the 20th century, decelerated 31% since 2002, and decelerated 44% since 2004 to less than 7 inches per century. There is no evidence of an acceleration of sea level rise, and therefore no evidence of any effect of mankind on sea levels.

According to tide gauges, sea level is rising LESS than the thickness of one nickel (1.95 mm thick) per year or about the thickness of one penny (1.52 mm thick) a year. According to satellite info it is rising slightly more than two pennies a year (3.04 mm).

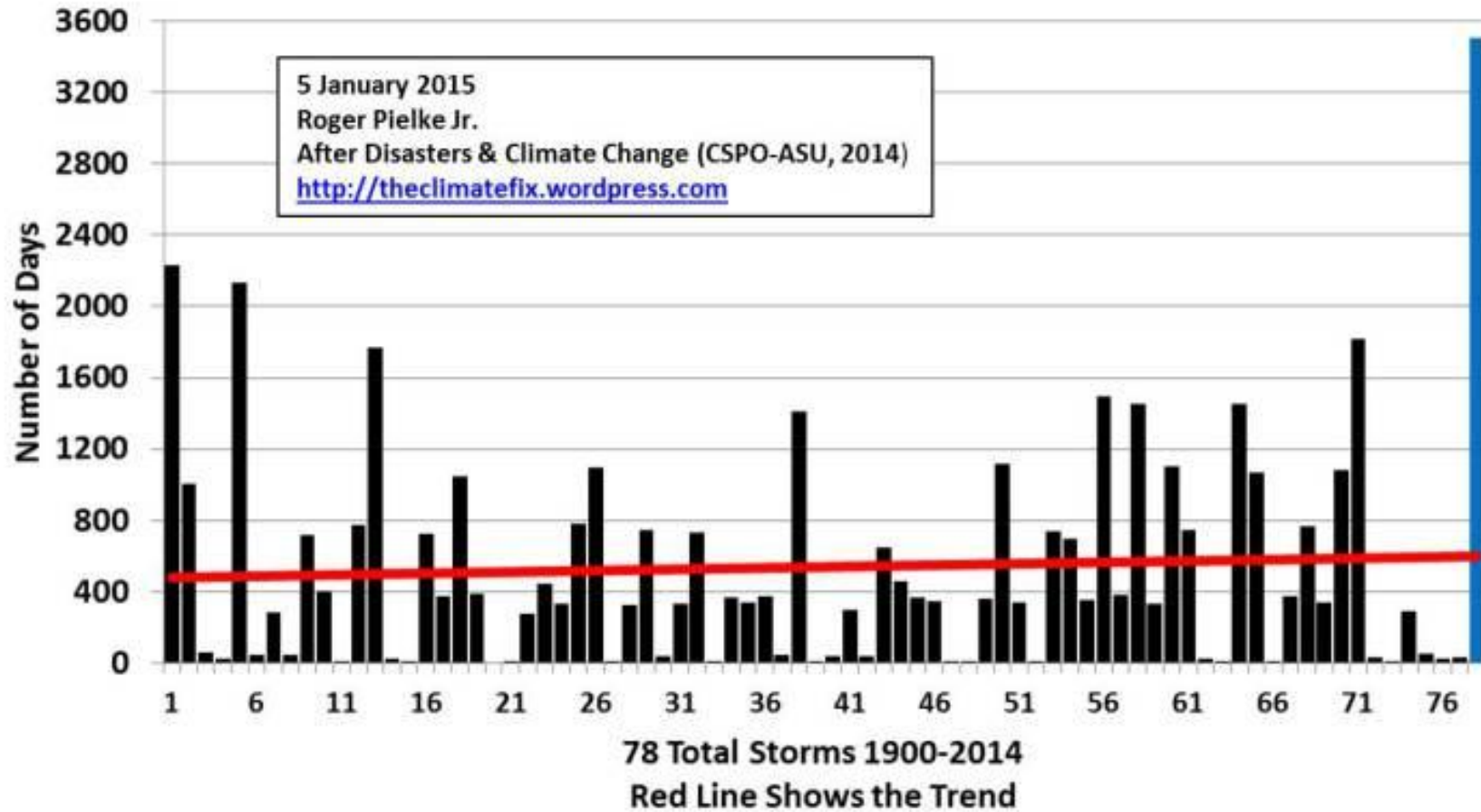
The number of severe weather events (major hurricanes, tornadoes, draughts, floods, etc.) hitting the United States have increased over the past few years.



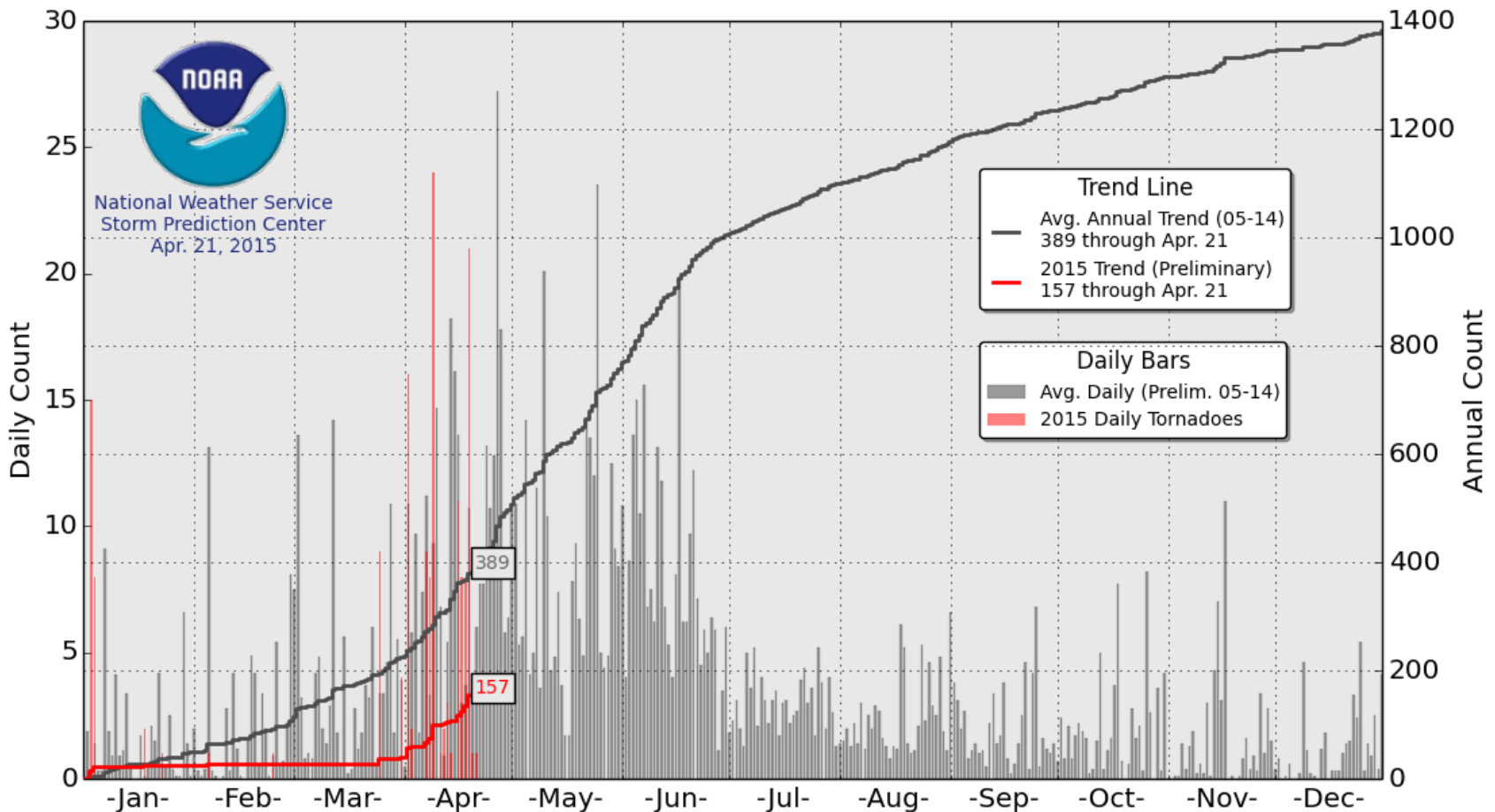
Global Tropical Cyclone Landfalls: 1970-2014



Days Between Major Hurricane (Cat 3, 4, 5) Landfalls in the US: 1900 to 1 June 2015



U.S. Tornadoes: Daily Count and Running Annual Trend*



*Preliminary tornadoes from NWS Local Storm Reports (LSRs)
Daily and annual averages are based on preliminary LSRs, 2005-2014

Millions of dollars spent in research to “prove” that carbon dioxide emissions by humans are causing Global Warming. By researchers and policy makers that tend to profit from the research.

Billions of dollars expected to be spent to meet proposed regulations to slow or stop global warming caused by carbon dioxide emissions.

Slow down or stop economic growth that can help people get out of poverty and improve standard of living.

Estimated 50 to 1 cost to try and stop global warming compared to adapting.

Question: Is science used to make public policy, or is it based on a political agenda?

Finally, do not believe everything you see or hear, but check it out for yourself.