

# **A Skeptical View of Anthropogenic Global Warming**

Having the courage to do Nothing

For the Cambridge Society

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Friends of Science Society

Ken Gregory

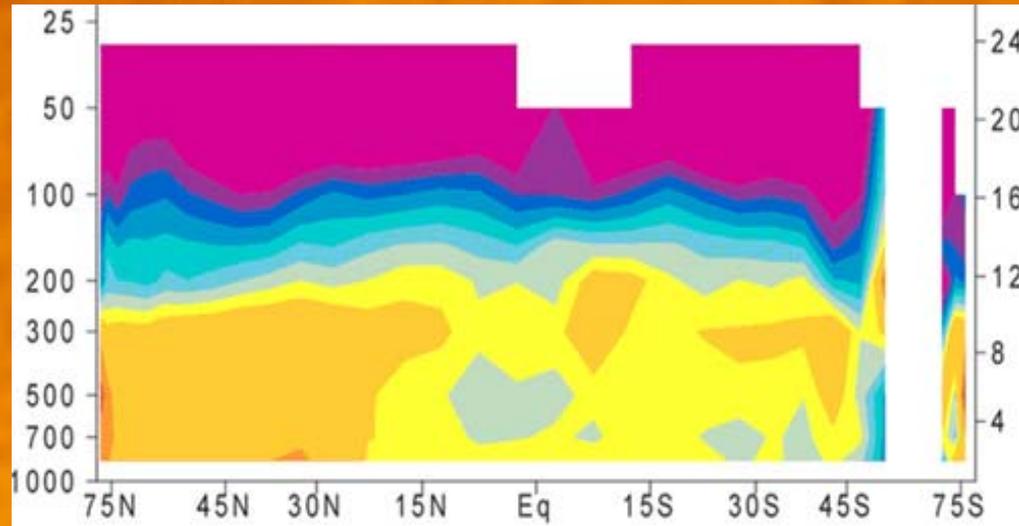
Presented by: Peter Burns

# Runaway greenhouse effect?

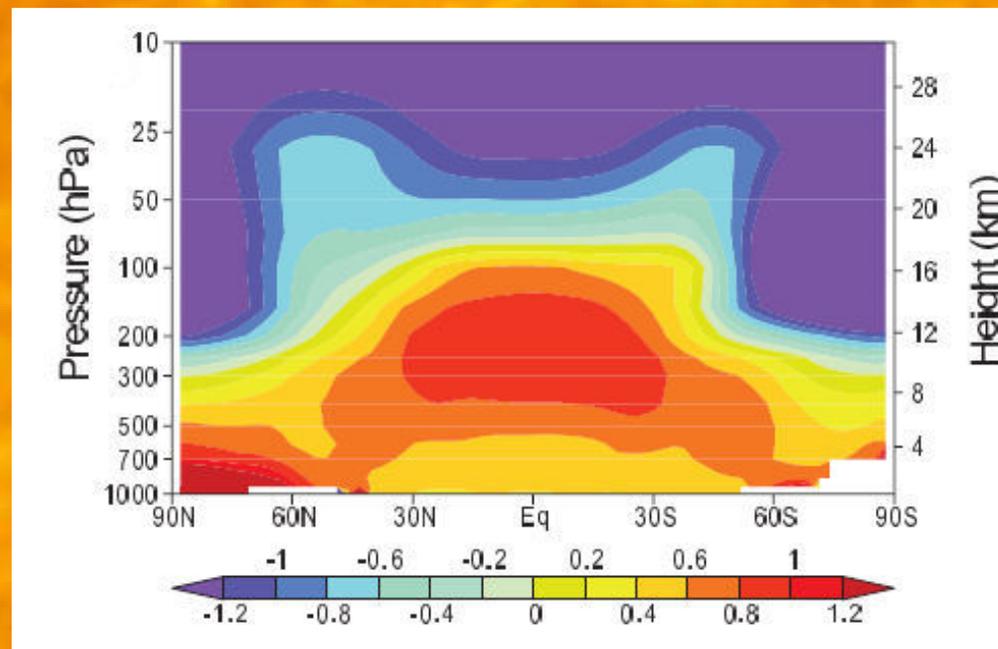
- CO<sub>2</sub> accounts for 0.039% of atmosphere
- Each CO<sub>2</sub> addition has less effect
- If nothing else change, doubling CO<sub>2</sub> might cause 0.5 to 1 °C increase
- Models multiply this by large positive feedbacks from water vapour and clouds
- Actual data shows water vapour and clouds provide strong negative feedbacks

# Where's the "hot spot"?

Actual  
Temperature  
Data

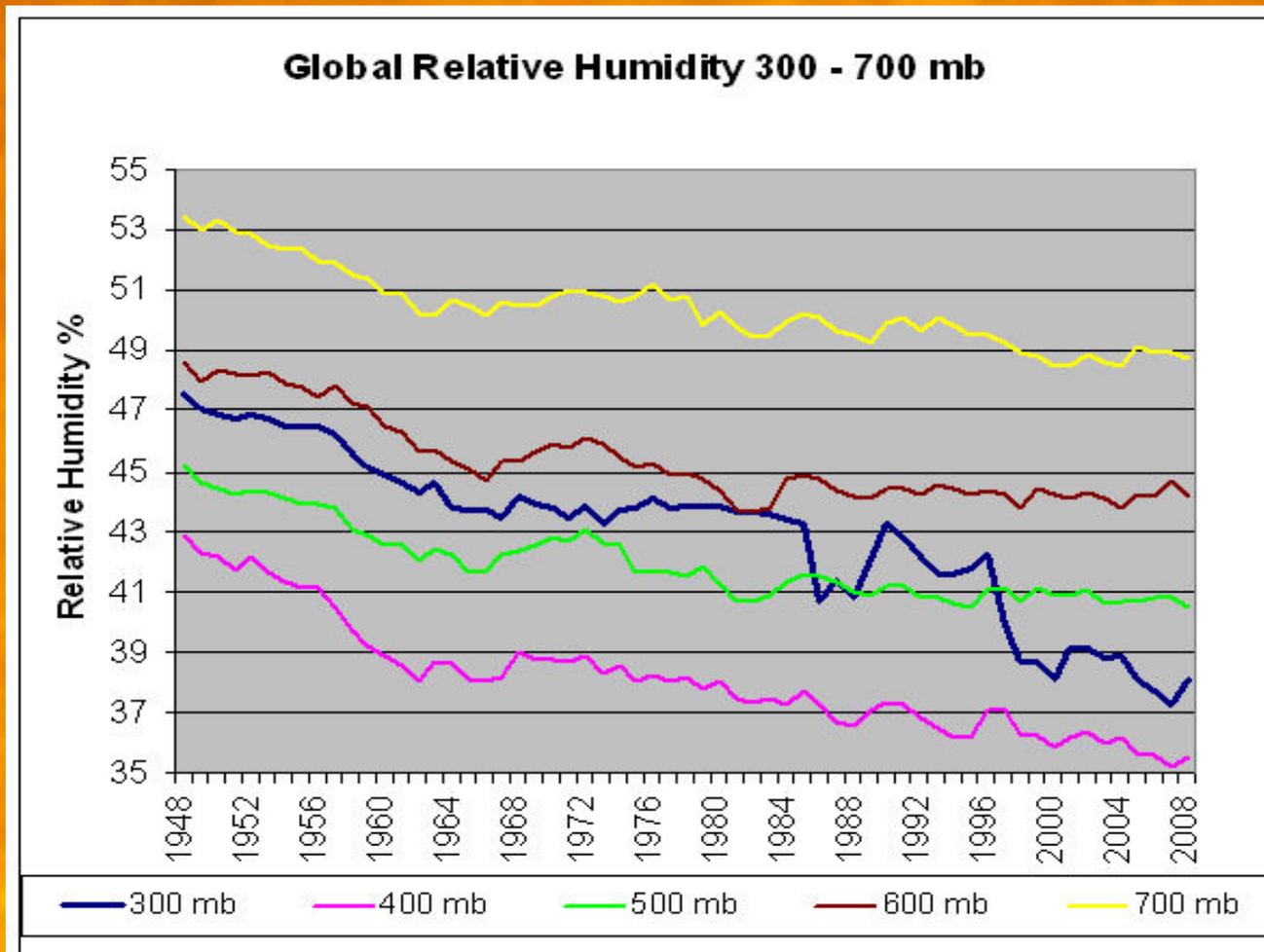


Model  
Predictions



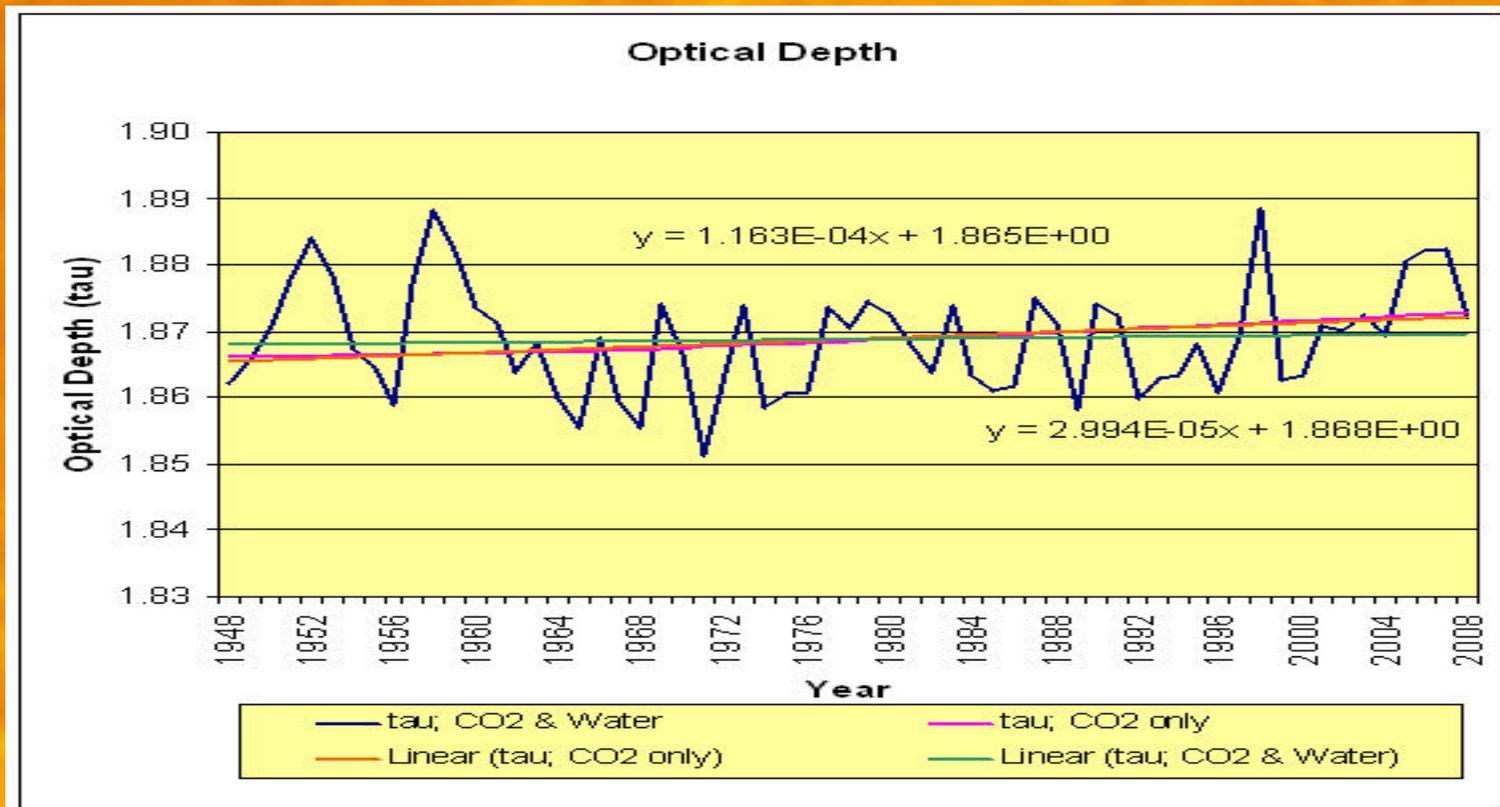
# Water vapour content is falling

- GCM predict constant relative humidity (RH) with global warming.
- NOAA data shows falling RH, especially at the predicted hot spot.



# Total Greenhouse Gases have not Increased.

- HARTCODE model sums the amount of CO<sub>2</sub> and water vapour across the electromagnetic spectrum for 61 years.
- The pink line shows the trend from CO<sub>2</sub> with water vapour held constant.
- The blue line is CO<sub>2</sub> plus water vapour, green line is the linear trend.
- Water vapour reduced the trend – negative feedback
- Total greenhouse gases have not increased over the last 61 years.

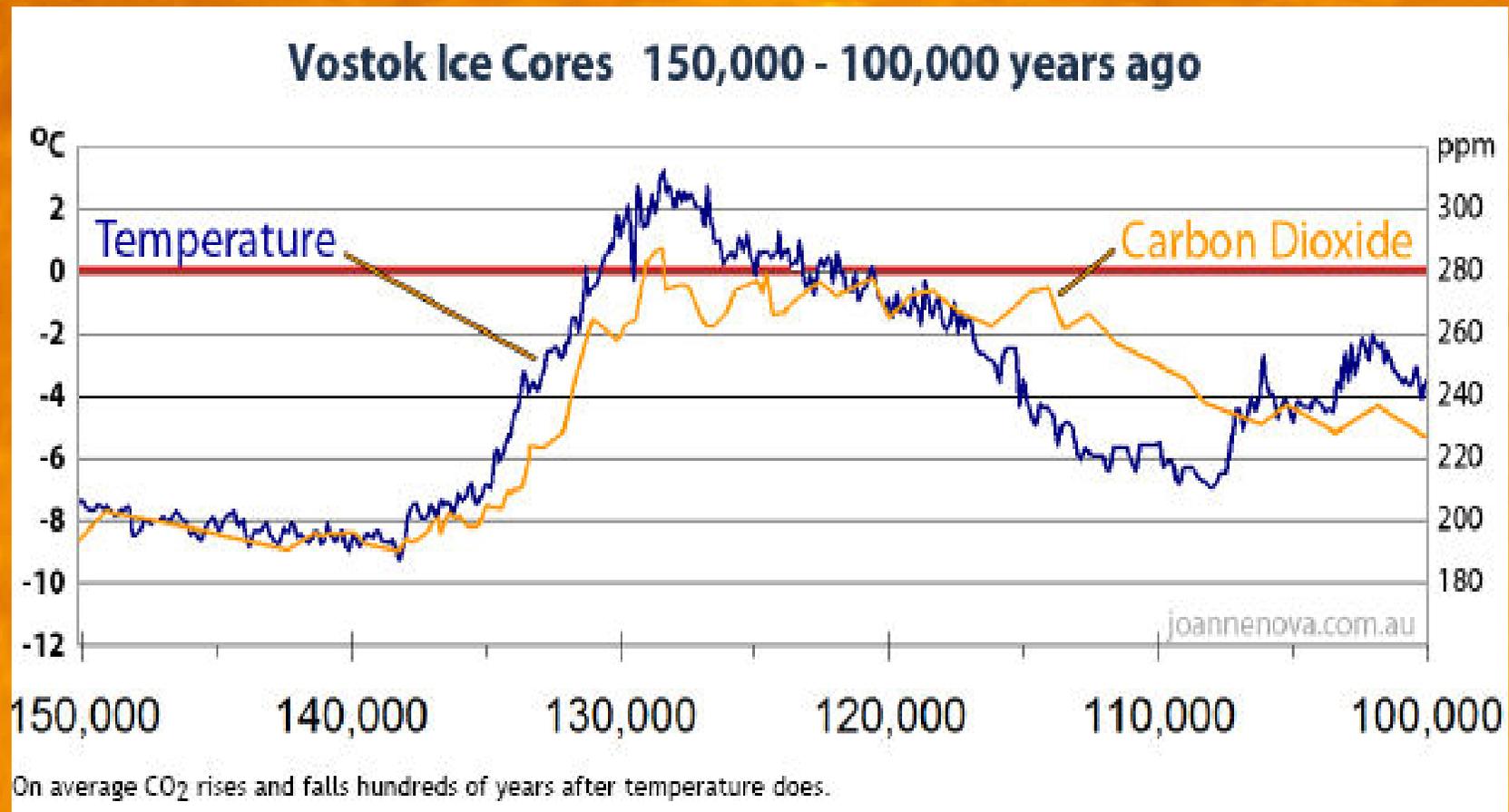


# Clouds' strong negative feedback

- IPCC GCM assumes clouds amplify warming.
- Satellite measurements show heat-trapping high clouds decrease with warming, allowing heat to escape.
- Low clouds increase with warming, reflecting sunlight back to space.
- Both types of cloud changes provide strong negative feedback, offsetting the effect of CO<sub>2</sub>.
- Water vapour plus clouds may provide near 100% negative feedback, so that CO<sub>2</sub> has negligible effect.

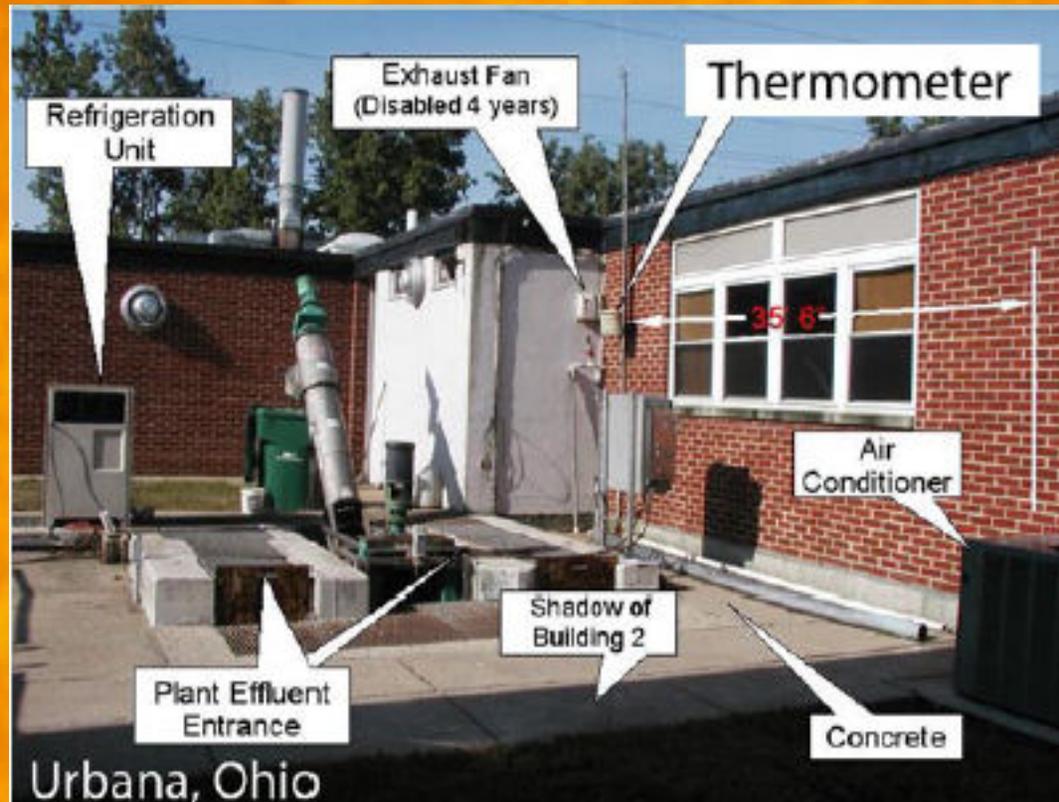
# CO<sub>2</sub> lags behind temperatures

- **Vostok Ice Core Data**  
Temperature leads CO<sub>2</sub> changes by about 800 Years.



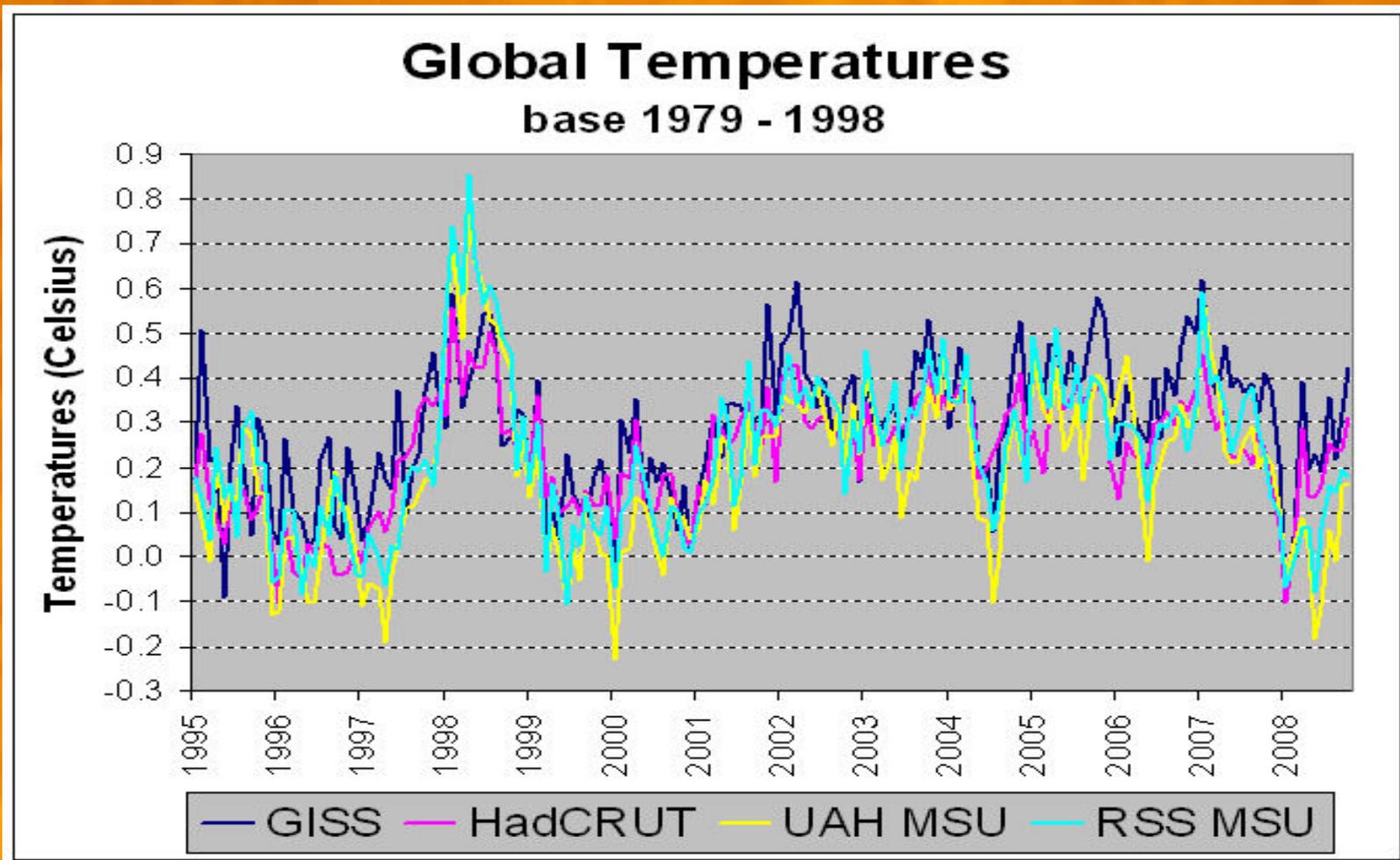
# Urban heat island effect

- Correcting surface temperatures for the UHI effect would reduce the warming trend over land by half.
- The GISS “corrects” for UHI in the **wrong** direction in 45% of the adjustments. Hadley Hadcrut makes no adjustments.
- In the USA, only 11% of stations are in suitable locations, 69% are within 10 m of an artificial heat source.



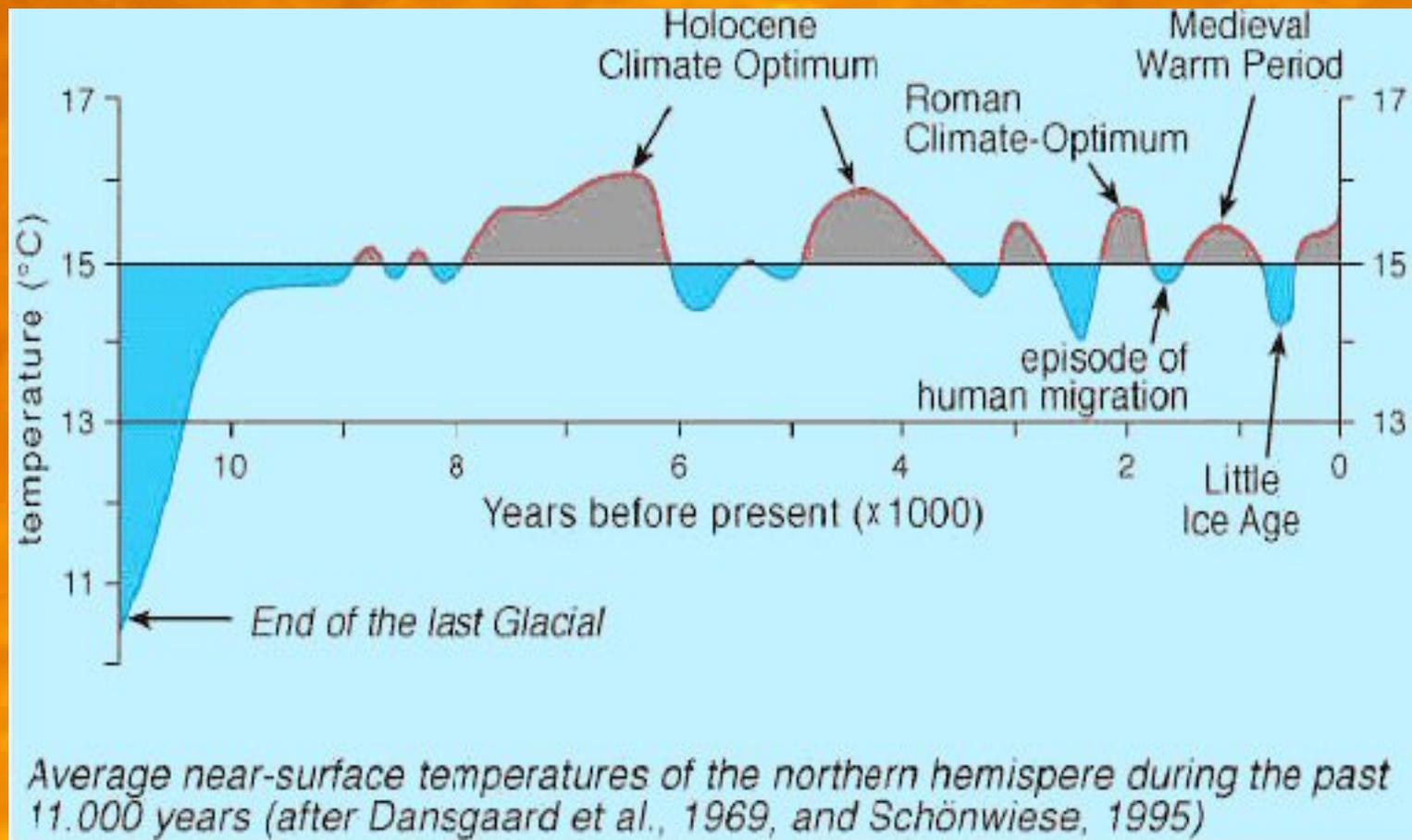
# Current cooling

- Satellite data show a small cooling since 2001, even though CO<sub>2</sub> levels have increased



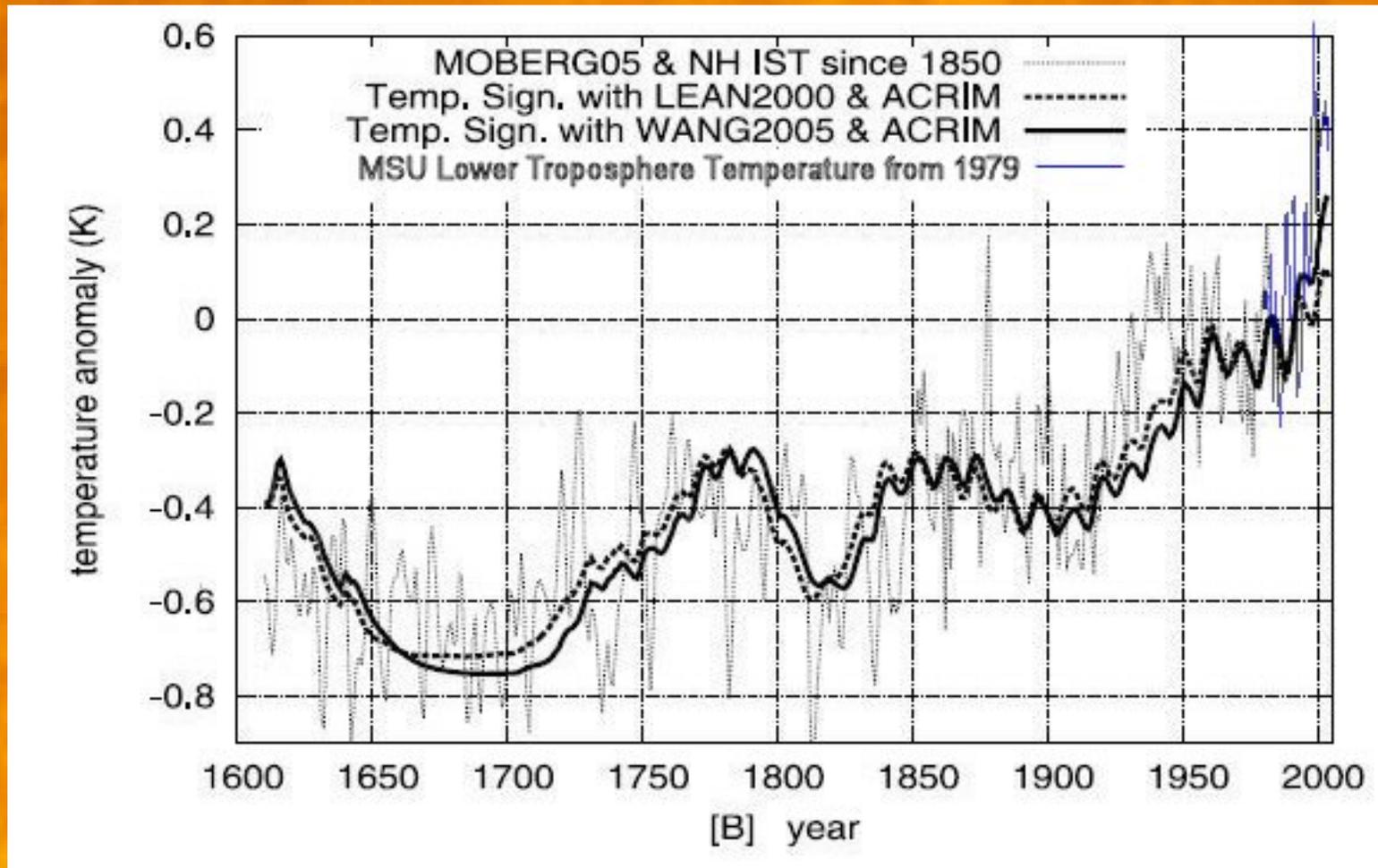
# Previous warm & cool periods

- Climate always changes with no help from Man.



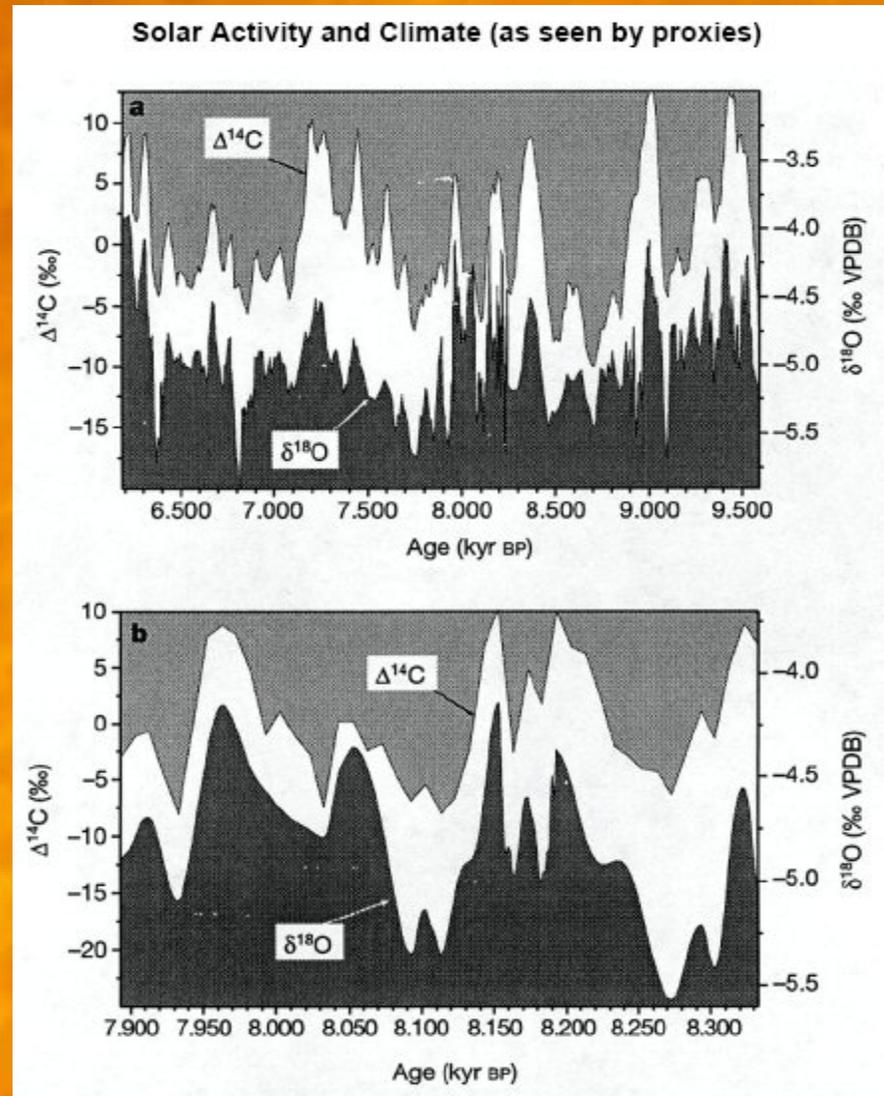
# The Sun and temperature proxies

- Sun TSI versus temperature since 1600



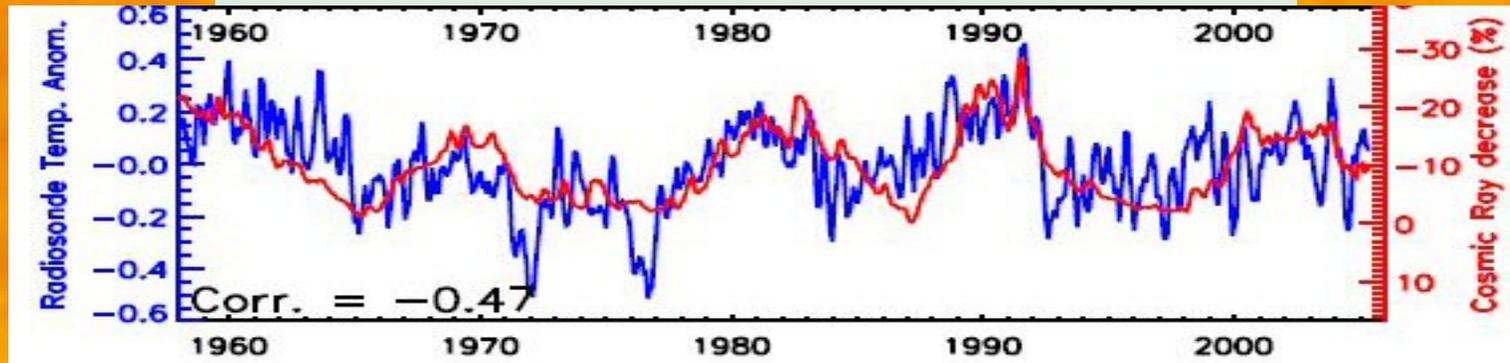
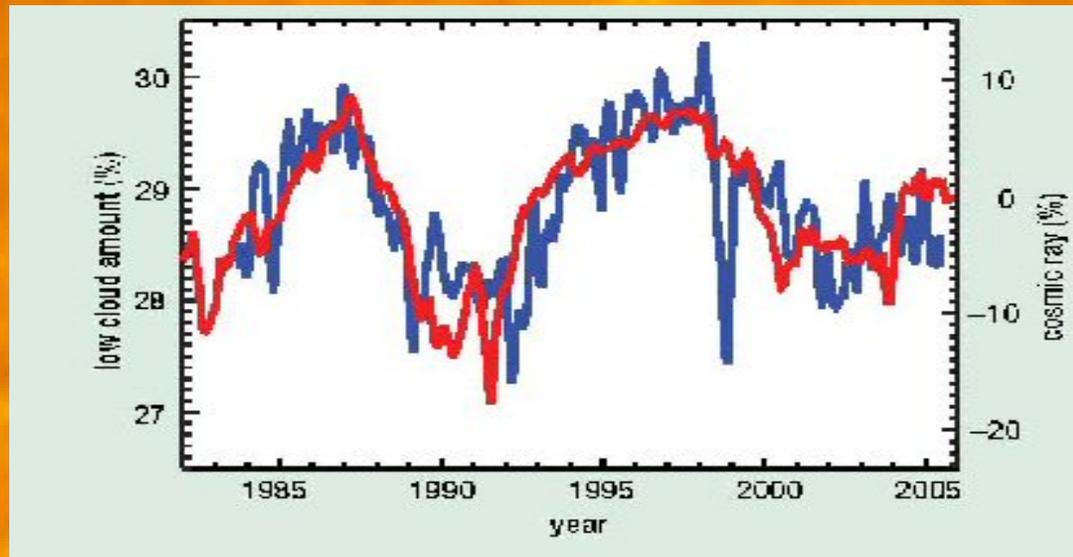
# The Sun and temperature proxies

- Solar proxy C14 vs temperature O18 over 3000 years.



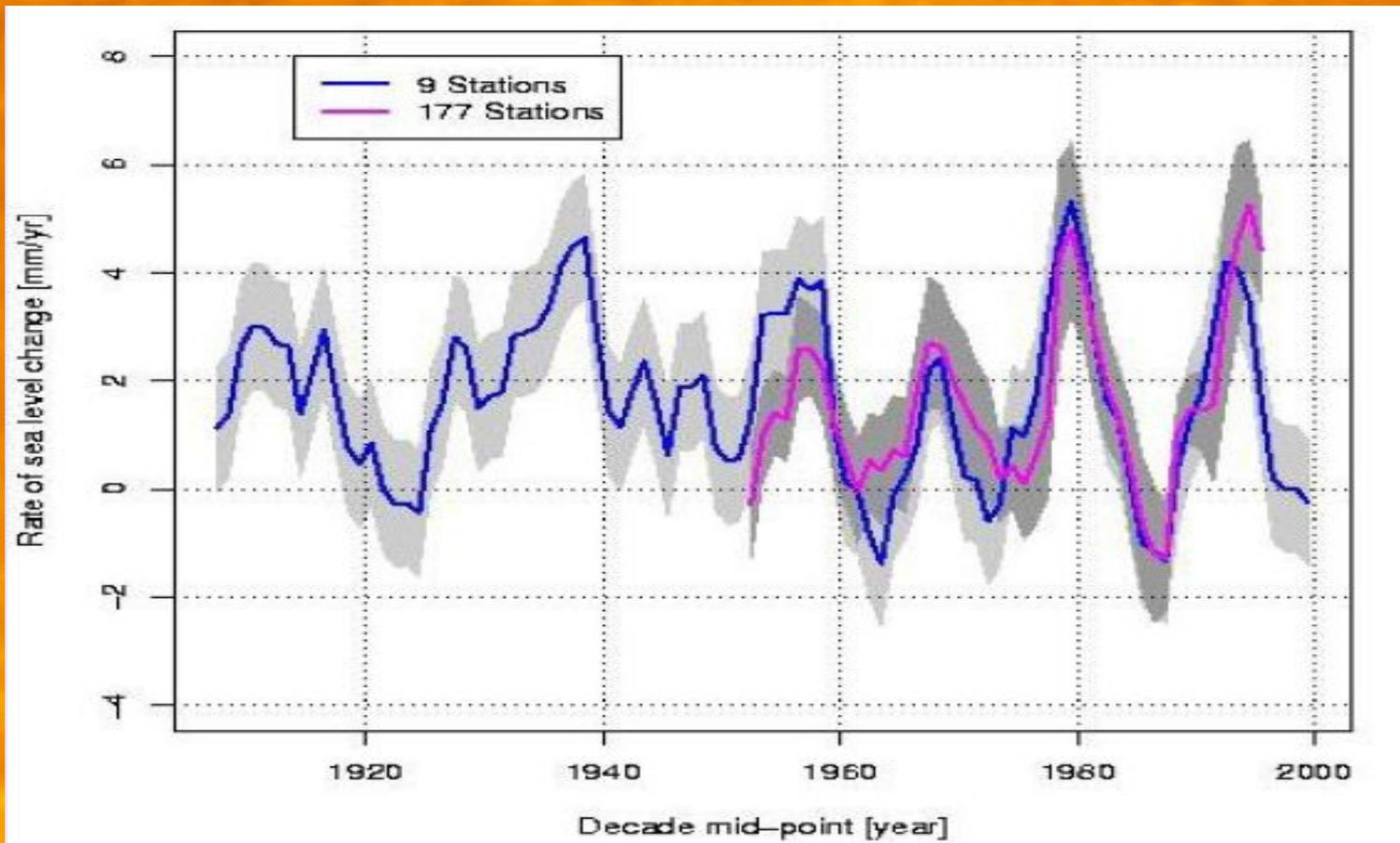
# The Sun and cosmic rays

- An active Sun diverts cosmic rays resulting in fewer low clouds and allowing more sunlight to warm the Earth.
- Cosmic Rays (red) and Low Clouds (blue)



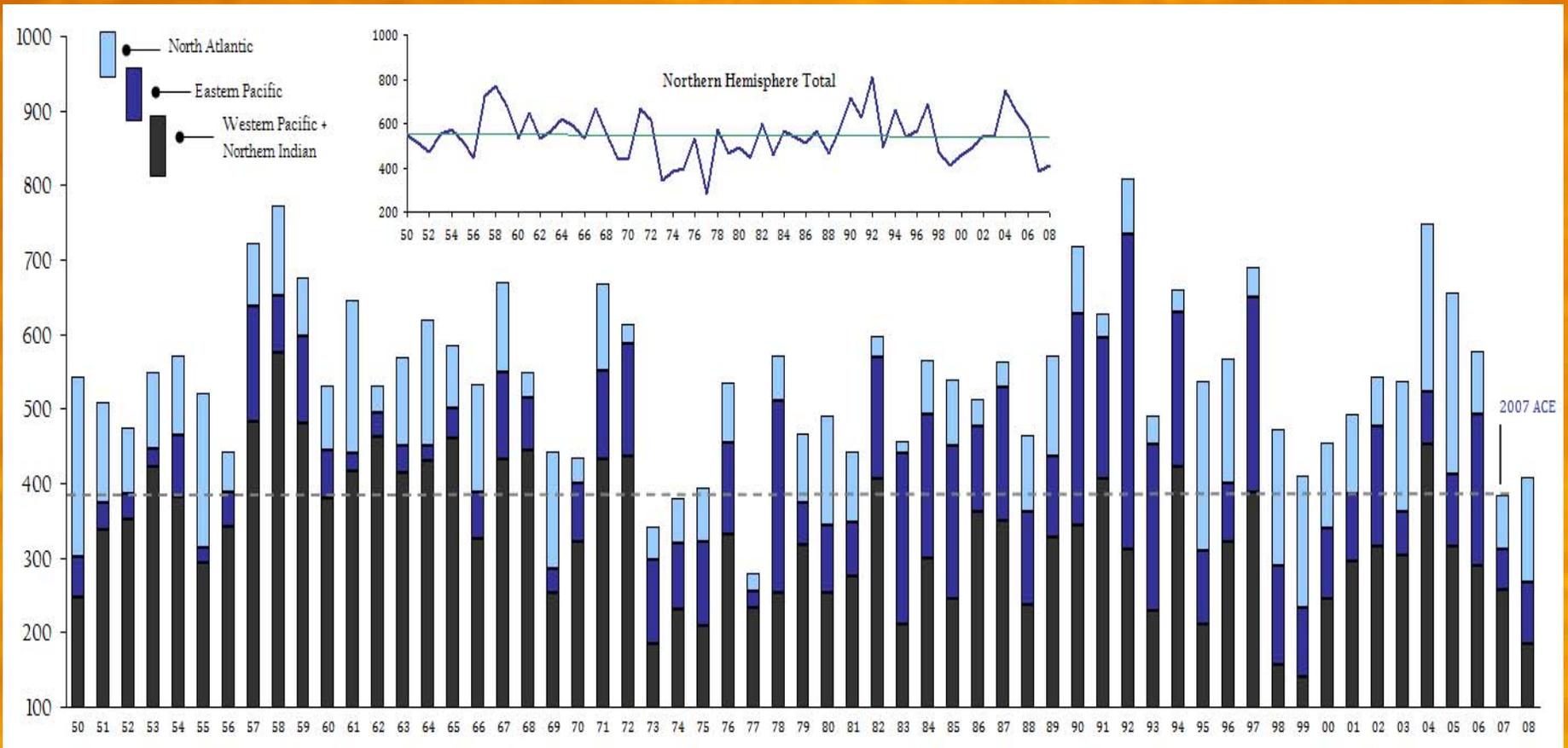
# Sea level rise has not increased

- The highest quality tide gauges show the sea level rise has not increased over the last 100 years.
- The rate of sea level rise correlates strongly with the 11 year solar cycle.



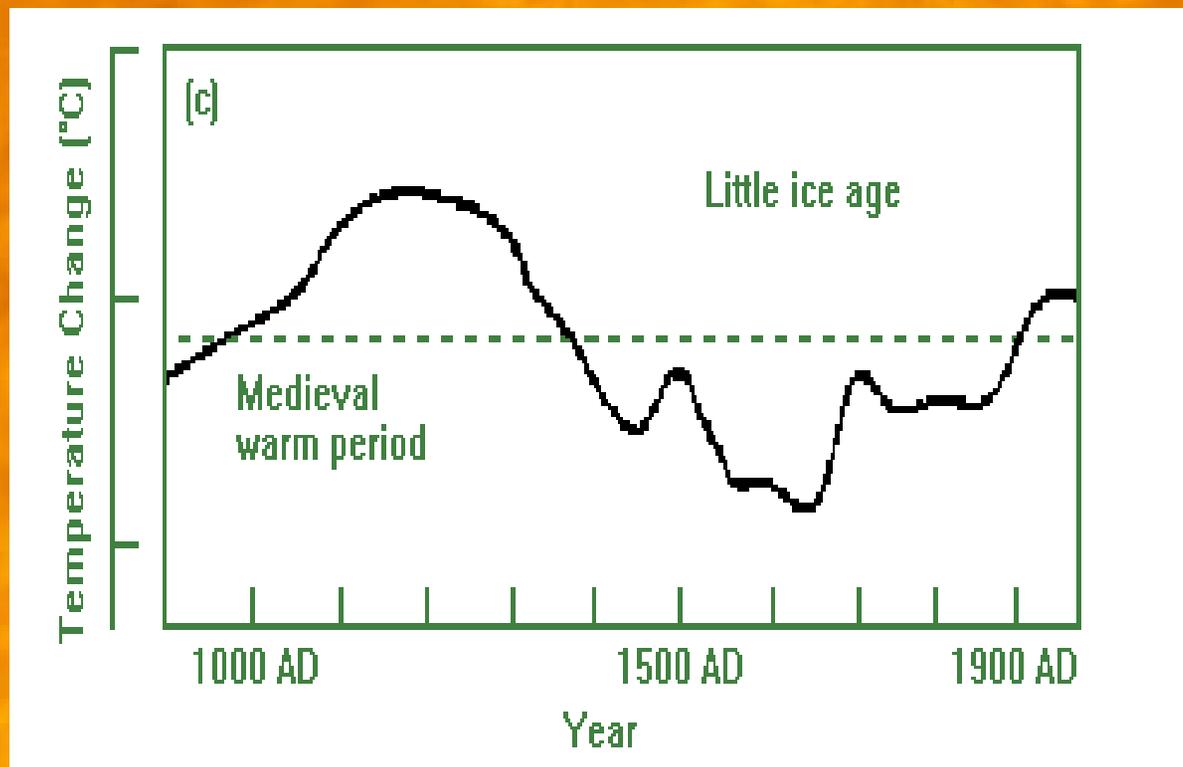
# Severe weather has not increased

- Global hurricane activity has decreased to the lowest level in **30 years**. ACE is the combination of a storm's intensity and longevity.
- Northern Hemisphere ACE undergoes significant variability but exhibits no significant statistical trend (1950 – 2008).



# Temperature History England

- Published by IPCC 1990
- Climate always changes



# CO<sub>2</sub> enhances plant growth

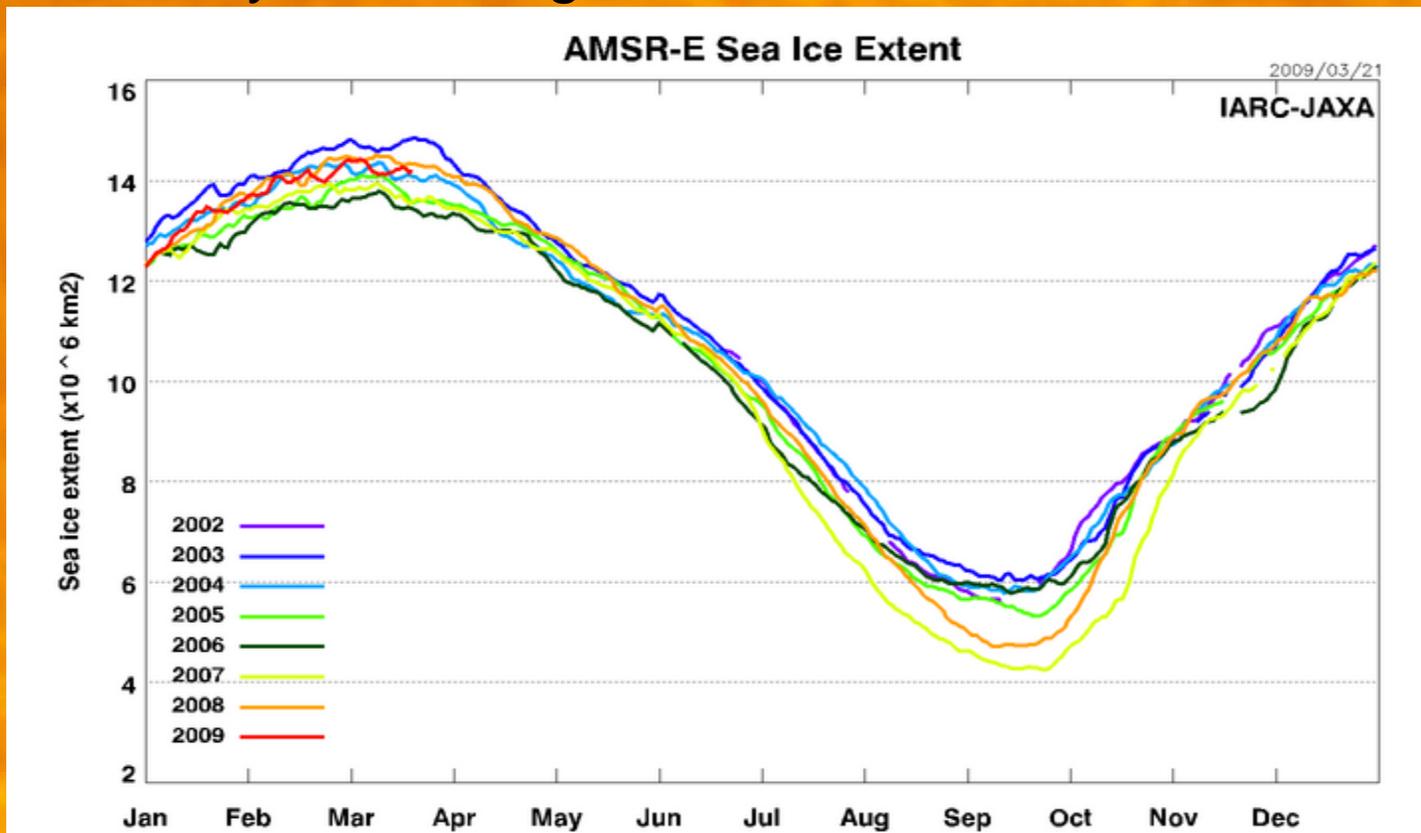
- CO<sub>2</sub> increases since 1950 have enhance crop yields by about 15%.
- CO<sub>2</sub> is a wonderful by-product of industrialization – it helps feed the starving.
- Field experiments show a 50% increase in CO<sub>2</sub> increases wheat yield by 23% in dry conditions.
- A 300 ppm CO<sub>2</sub> increase would raise the productivity of woody plants by about 50%.
- CO<sub>2</sub> enhanced growth reduces and delays the destruction of animal habitat and species extinctions.

# AGW Alarmism

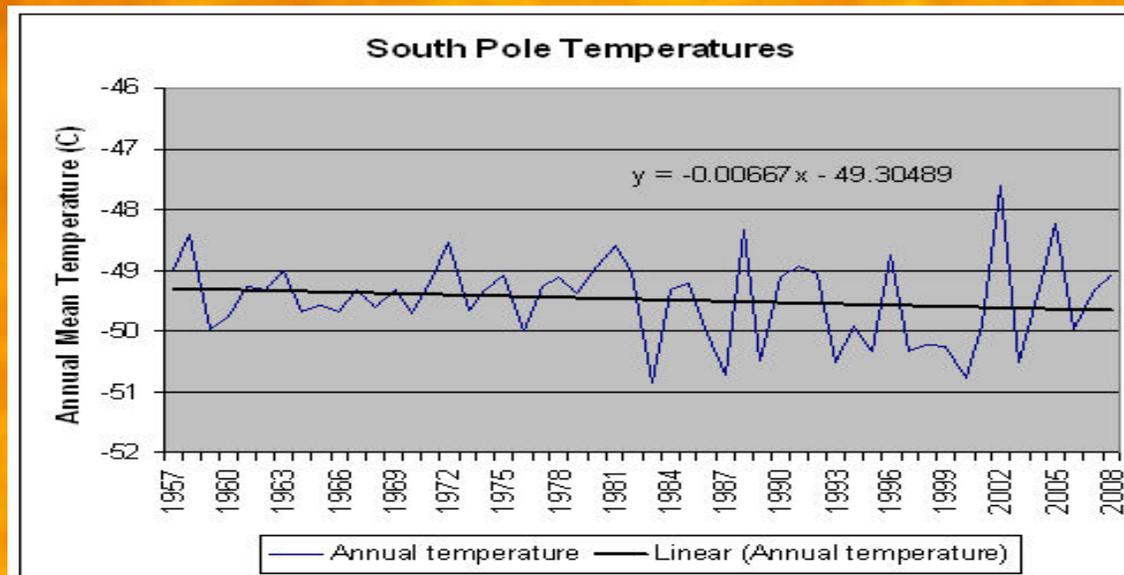
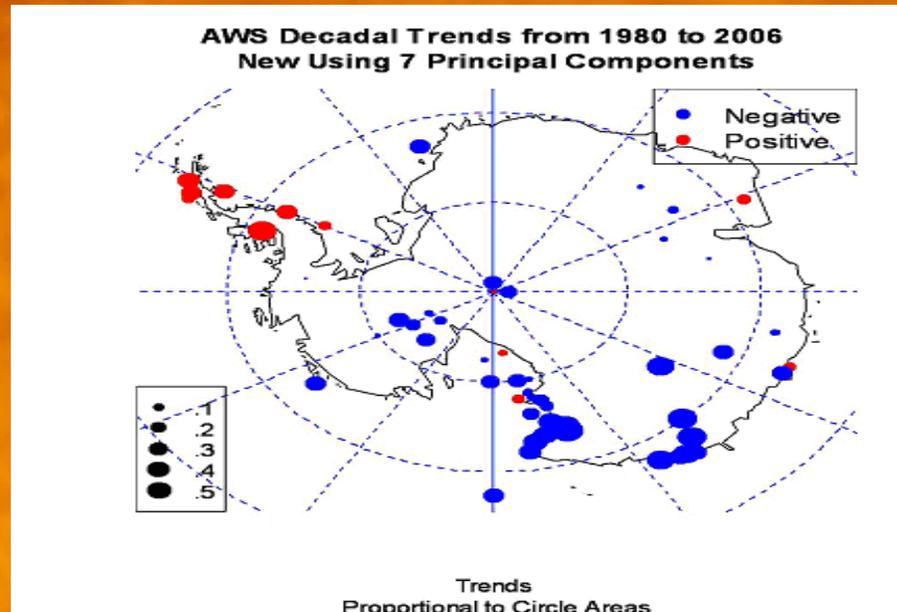
- AGW only occurs in computer models that do not work
- Tremendous Cost
- Revamp structure of our society
- Eliminate our rights to choose
- Starvation in third world countries
- Greatly reduced living standard at home
- There is NO EVIDENCE that anthropogenic CO<sub>2</sub> causes warming!

# Polar sea ice

- The global sea ice area is at the 1979 – 2000 average.
- Southern ice is well above the 1979 – 2000 average.
- Northern sea ice extent in February 2009 is greater than the last 7 year average as shown below.



# Antarctica Cooling



# Friends of Science

- Our taxes should be spent to solve real problems.
- See [www.friendsofscience.org](http://www.friendsofscience.org)
- Don't miss our annual luncheon on May 21, 2009 with Dr. Timothy F. Ball, PhD, Former Climatology Professor, University of Winnipeg. Topic: "Recent Theoretical and Observational Evidence for Atmospheric Cooling"