

Some selected slides from the presentation

# Apocalypse? NO!

**Christopher Monckton of Brenchley**  
**Dominion of Canada and United States of America**  
**September/October 2009**



# Scientific method

“The improver of natural knowledge absolutely refuses to acknowledge authority, as such. For him, **skepticism is the highest of duties; blind faith the one unpardonable sin.**”

**T.H. Huxley**





We're all  
gonna lie!

**“Unless we  
announce  
disasters,  
no one will  
listen.”**

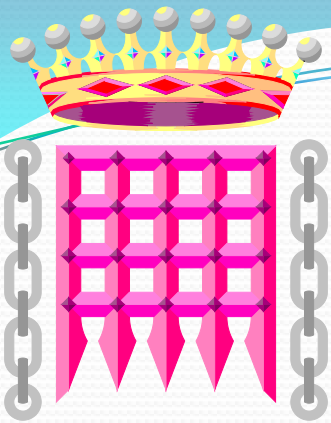
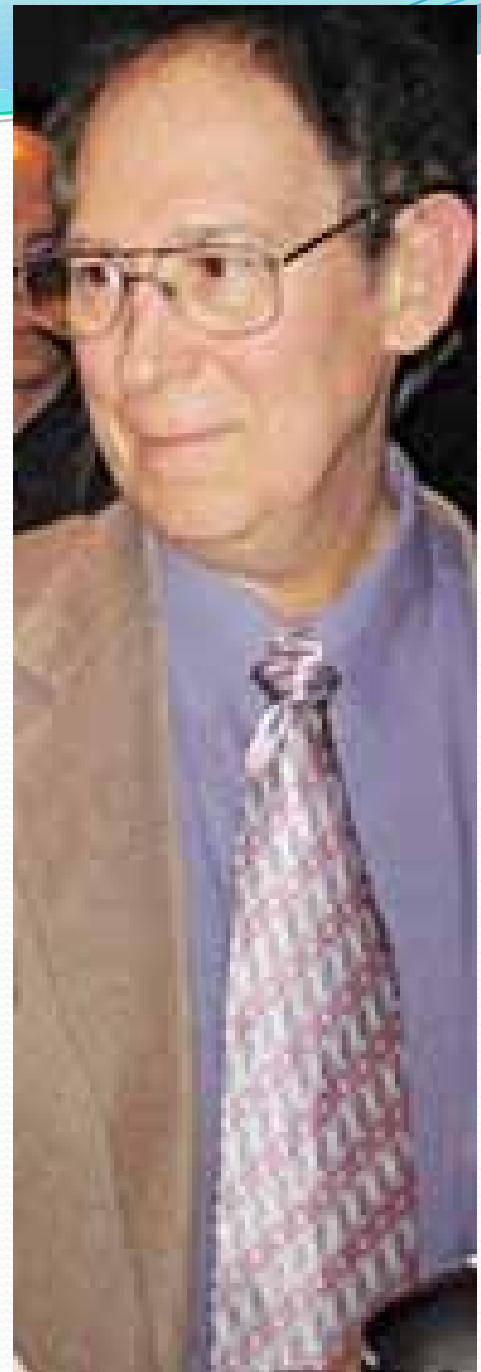


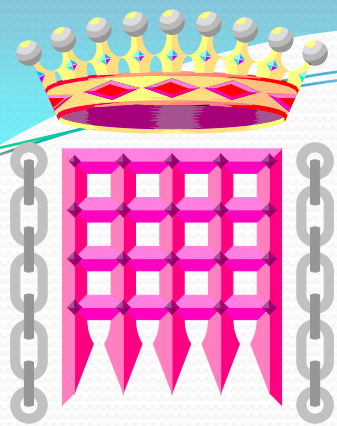
**Sir John  
Houghton**

**We're all  
gonna lie!**

**“We have to  
offer up  
scary scenarios”**

**Stephen Schneider**

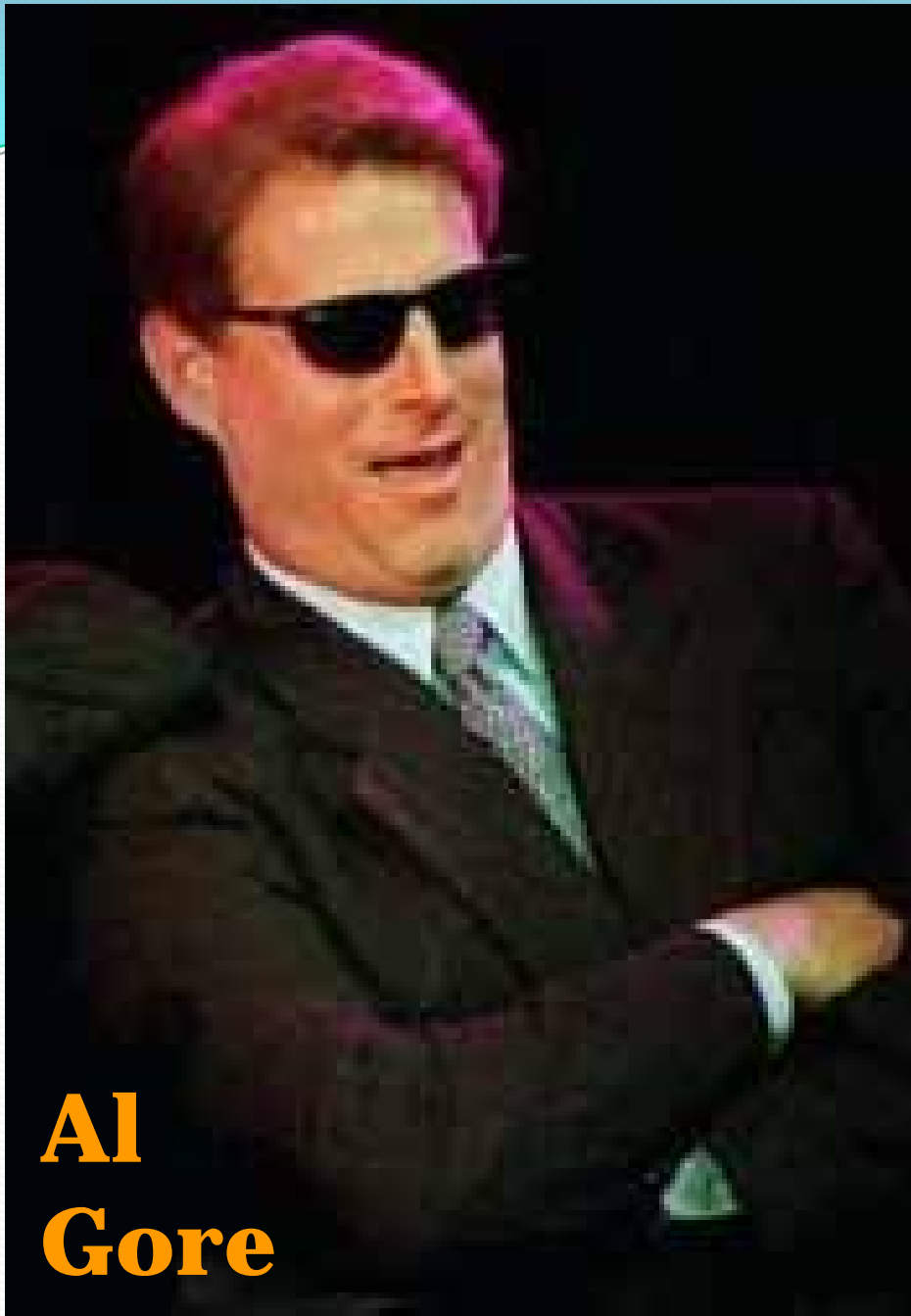




We're all  
gonna lie!

“Global warming’  
can mean **colder**. It  
can mean **drier**. It  
can mean **wetter**.  
That’s what we’re  
dealing with.”

**Stephen Guilbeault, Greenpeace, 2005**

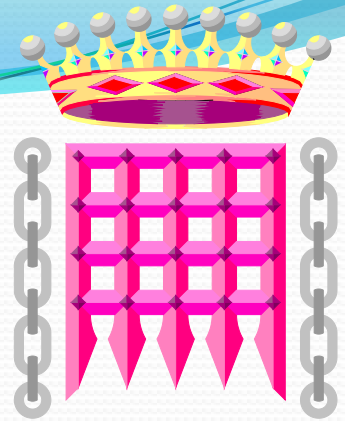


**Al  
Gore**

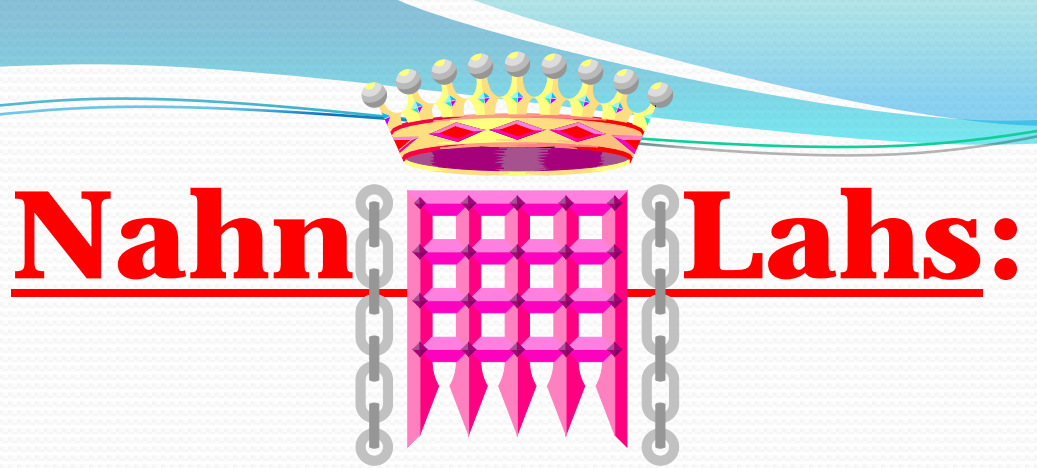
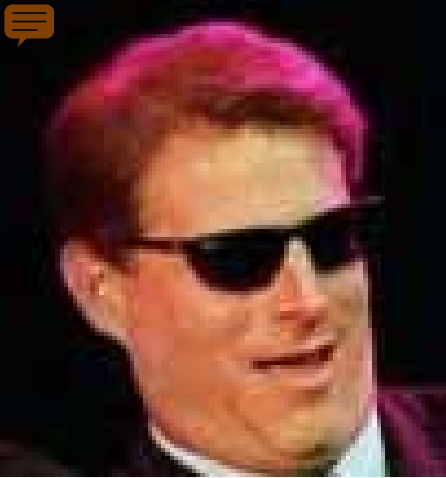
We're all

gonna

lah!



“Ah believe  
it is appropriate  
to have an over-  
representation of  
factual  
presentations on  
how dangerous it  
eeuurzzz.”



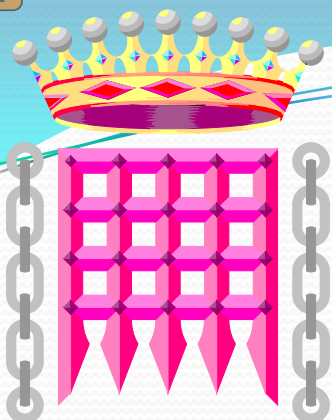
## **Gore**

**Sea level up 20 ft**  
**Pacific atolls evacuated**  
**Ocean conveyor to stop**  
**CO<sub>2</sub> drove temperature**  
**Kilimanjaro melting**  
**Lake Chad drying up**  
**Katrina anthropogenic**  
**Polar bears drowning**  
**Coral reefs bleaching**

## **Judge**

*Only after millennia*  
*No evidence for it*  
*It will slow, not stop*  
*The other way around*  
*By natural causes*  
*Not 'global warming'*  
*No proven link*  
*Storm killed 4 bears*  
*Many causes*

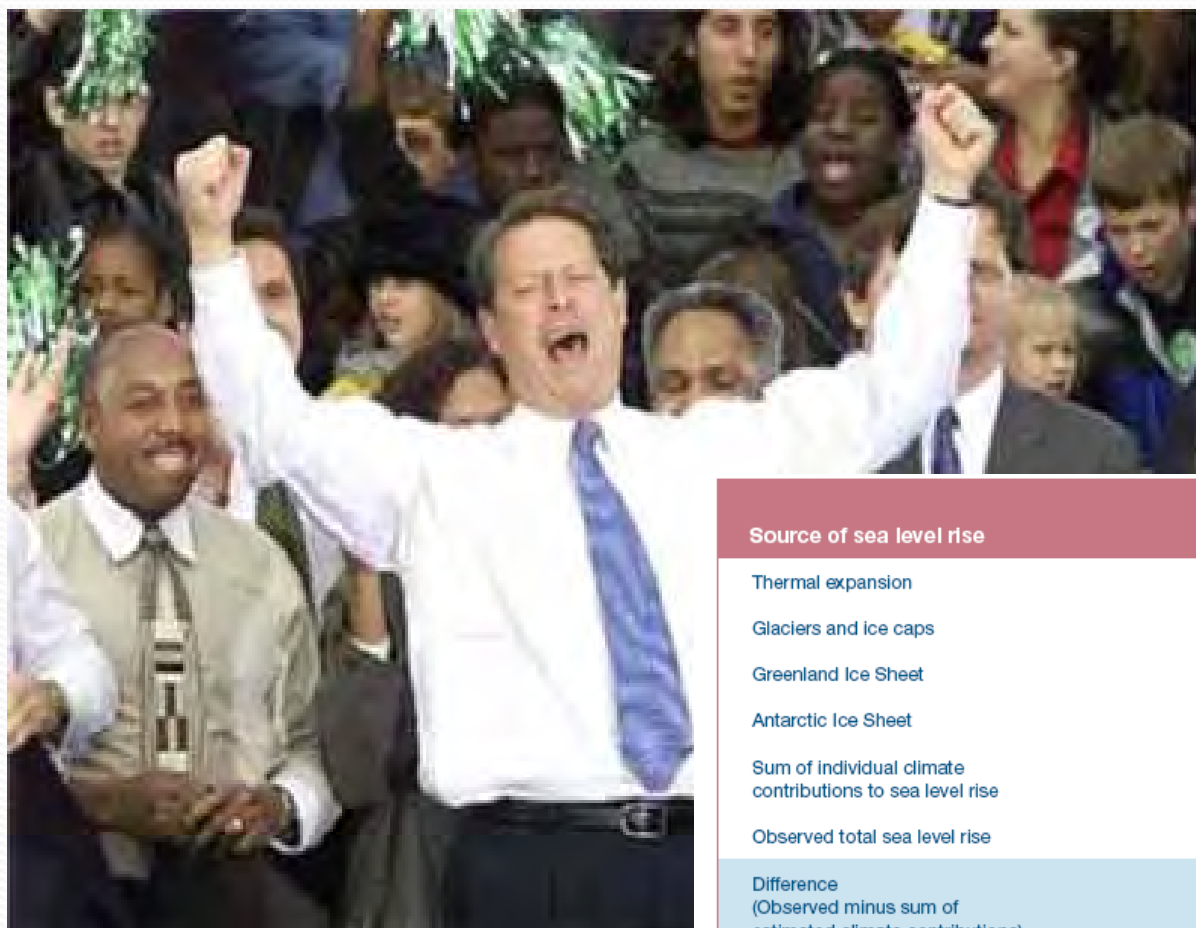




# The sea-level lah

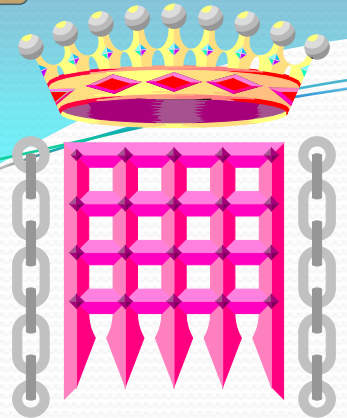
IPCC: **6 cm**  
sea-level rise  
from the great  
ice-sheets  
in 100 years.

Gore: **610 cm:**  
**100x error!**



Source of sea level rise	Rate of sea level rise (mm per year)	
	1961–2003	1993–2003
Thermal expansion	0.42 ± 0.12	1.6 ± 0.5
Glaciers and ice caps	0.50 ± 0.18	0.77 ± 0.22
Greenland Ice Sheet	0.05 ± 0.12	0.21 ± 0.07
Antarctic Ice Sheet	0.14 ± 0.41	0.21 ± 0.35
Sum of individual climate contributions to sea level rise	1.1 ± 0.5	2.8 ± 0.7
Observed total sea level rise	1.8 ± 0.5 <sup>a</sup>	3.1 ± 0.7 <sup>a</sup>
Difference (Observed minus sum of estimated climate contributions)	0.7 ± 0.7	0.3 ± 1.0



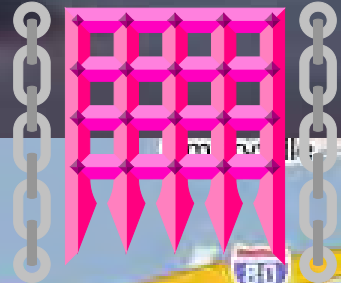


# The lah nailed

**‘The  
Armageddon  
scenario that  
he depicts is  
not based on  
any scientific  
view.’**



**Gore disbelieves his  
own sea-level lah:**



**Al Gore's \$4m  
St. Regis condo  
by the sea, 2005**



# The polar bears lah

**“A scientific study shows for the first time they’re finding polar bears that have ... drowned, swimming long distances up to 60 miles to find the ice.”**

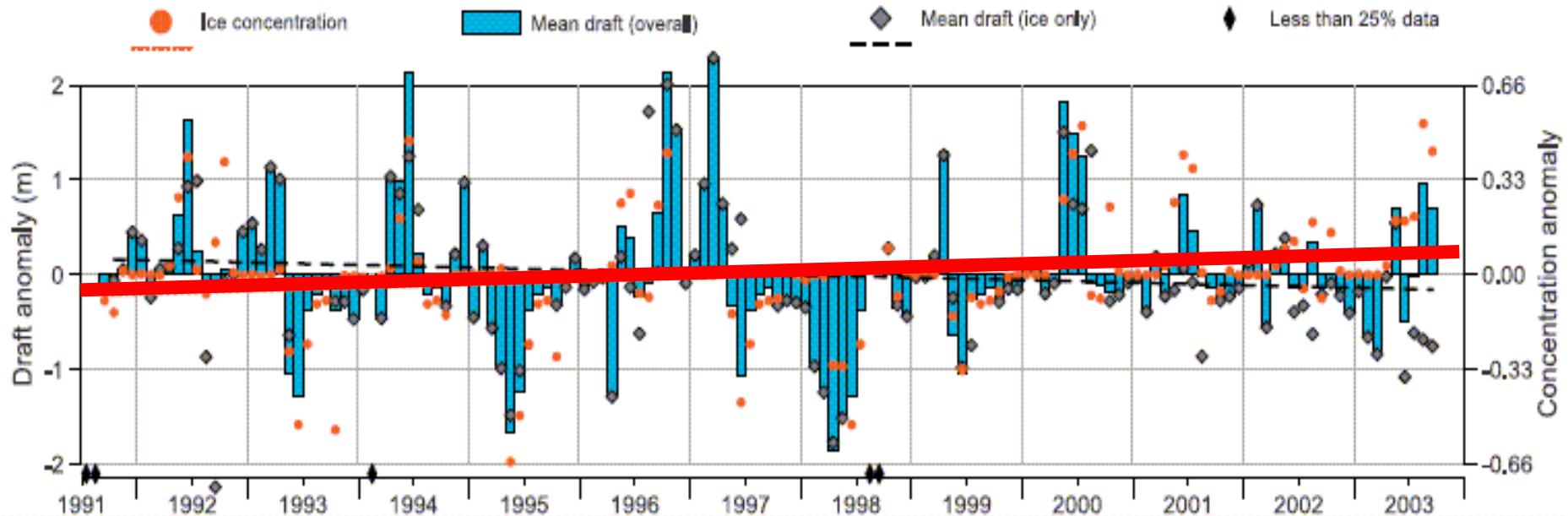
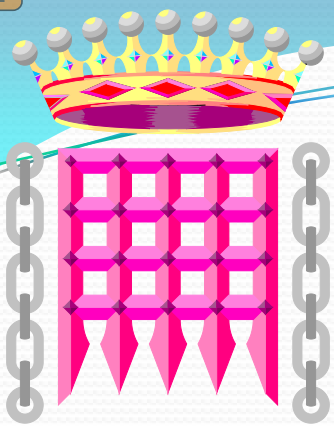
# The lah nailed

**Four dead polar bears**

Monnett & Gleason (2006)



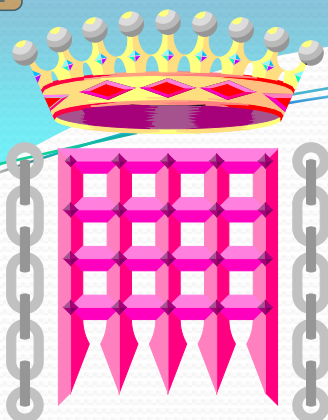
# Sea ice extent in the Beaufort Sea is growing





**Warm:** more polar bears.  
**Cool:** fewer polar bears.

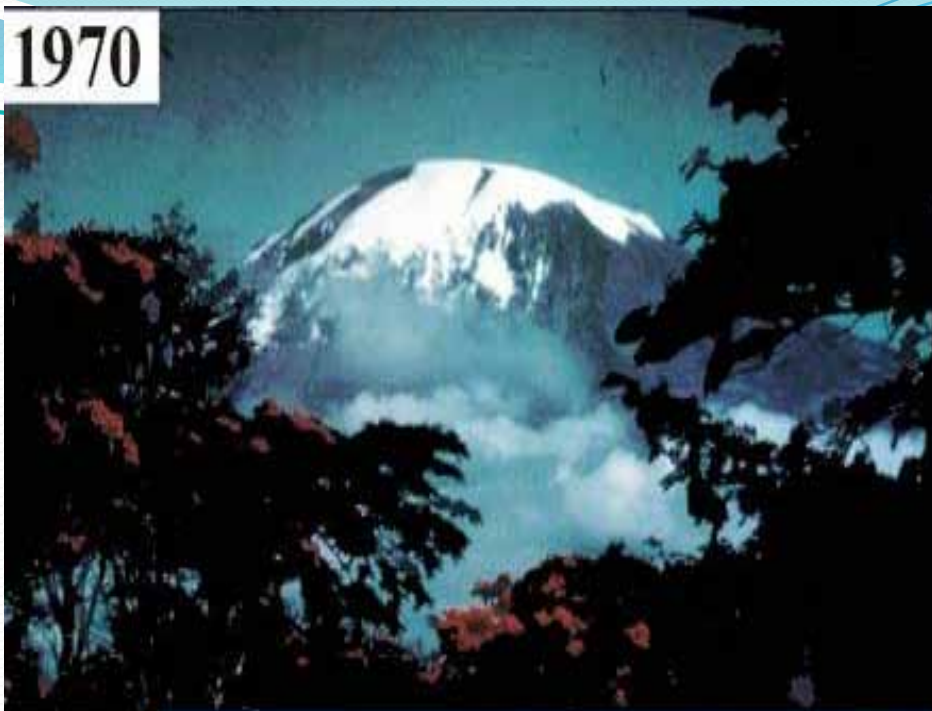




# The Kiluhmanjaruh lah:

**“This is Mount  
Kilimanjaro more  
than 30 years ago,  
and more  
recently.”**

1970



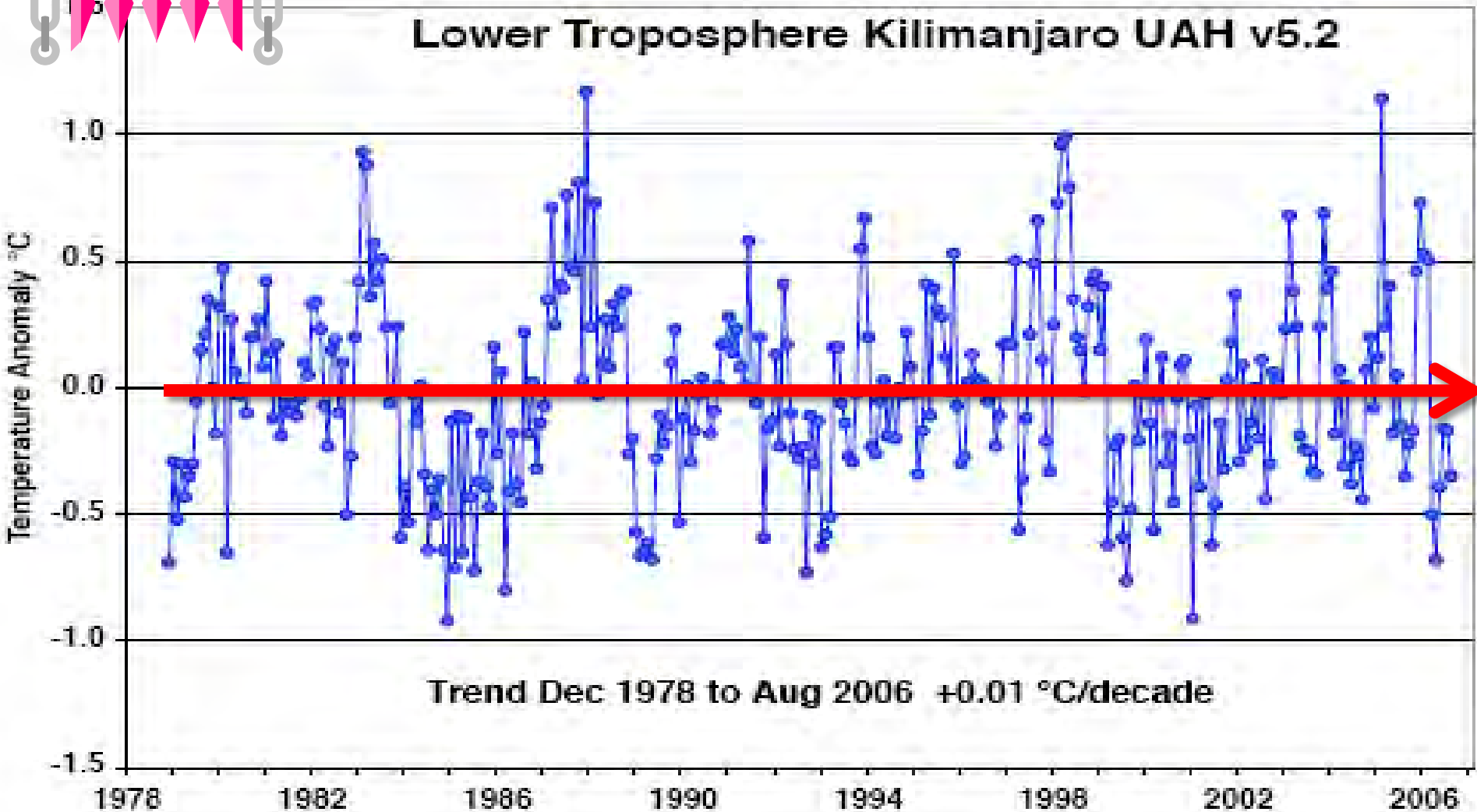
2000

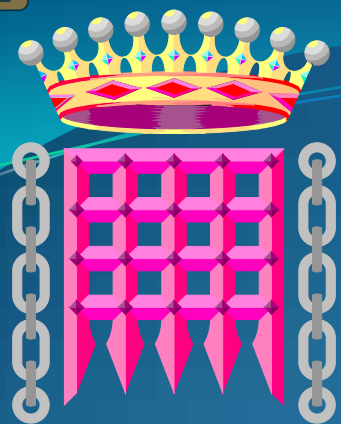




# Kilimanjaro summit temperature, 1979-2006

Lower Troposphere Kilimanjaro UAH v5.2





I'm  
still  
waitin',  
Al,  
baby!

CHALLENGE DEBATE

GLOBAL WARMING IS  
NOT A CRISIS



FOR

**Lord Monckton**

Scottish Peer, former advisor  
to Margaret Thatcher, and  
international business consultant.



AGAINST

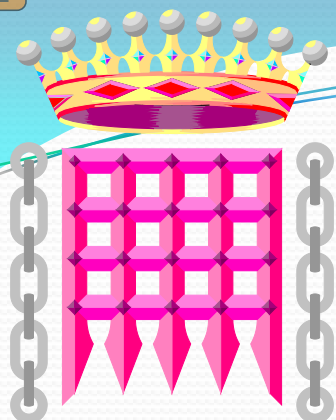
**Al Gore**

Vice President of the US  
1993-2001, author,  
*An Inconvenient Truth*

VS

For more information about this challenge debate and global warming,  
please go to [www.globalwarmingheartland.org](http://www.globalwarmingheartland.org).

The Heartland Institute is a 23-year-old national nonprofit organization devoted to discovering, developing, and promoting free-market solutions to public policy problems. For more information please visit our web site at [www.heartland.org](http://www.heartland.org).



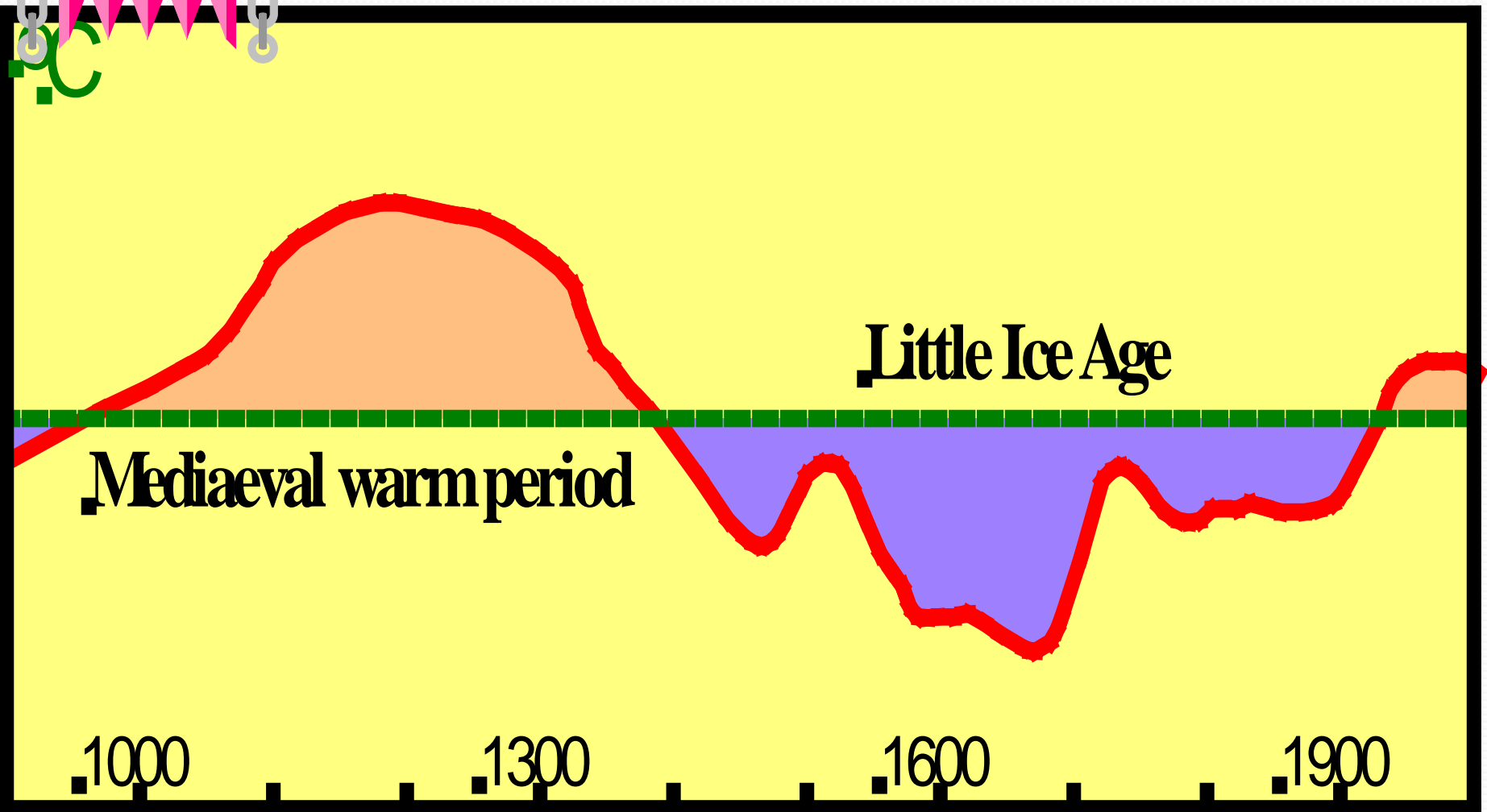
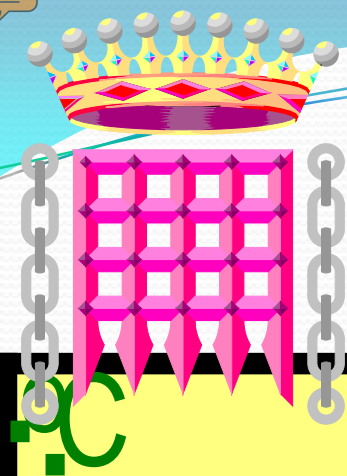
# The ‘Middle Ages were cooler’ lie

**“A major person working in the area of climate change and global warming sent me an astonishing email that said, ‘We have to get rid of the Medieval Warm Period.’”**

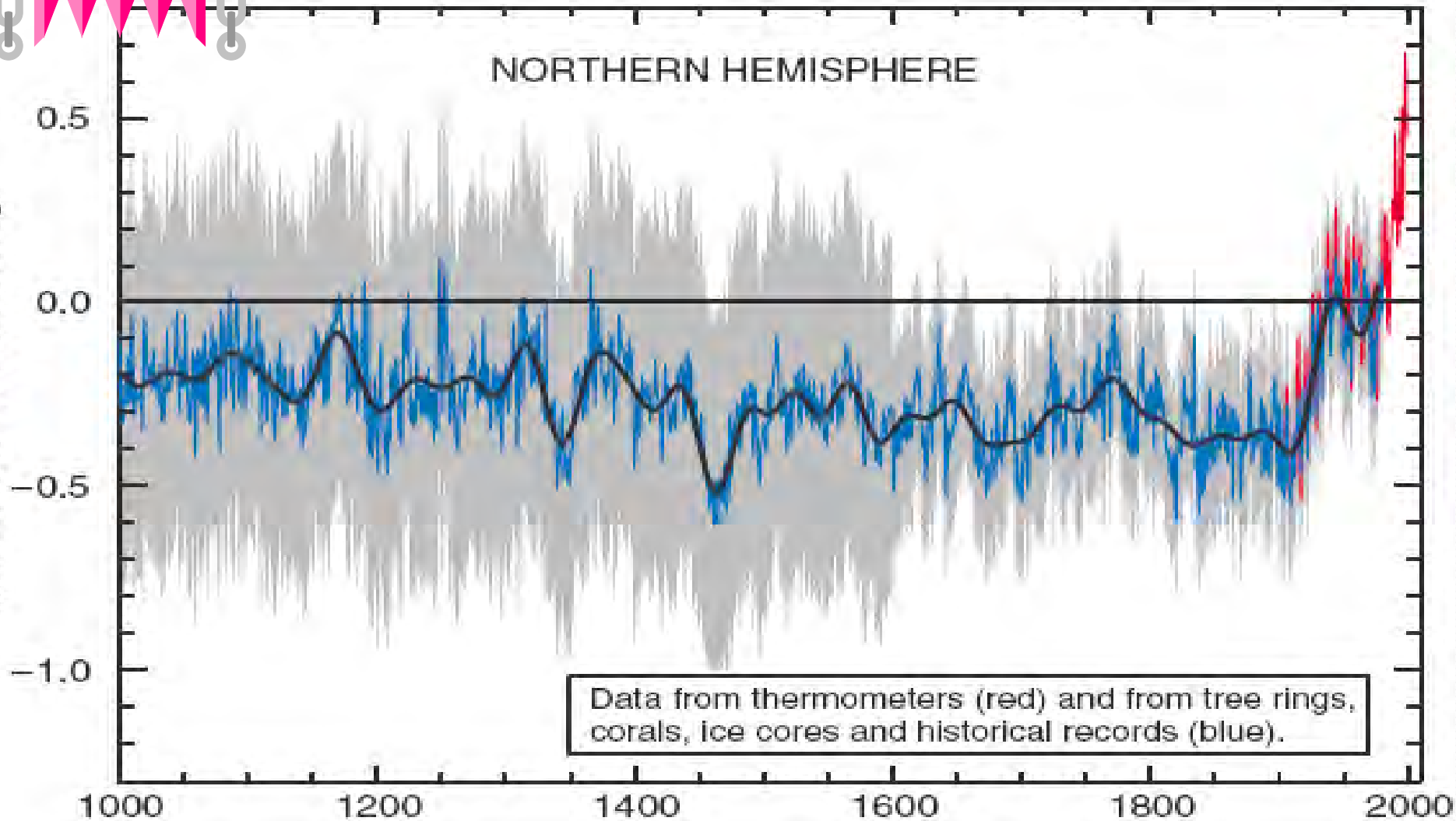
**David Deming, 2005**

# Now you see it ...

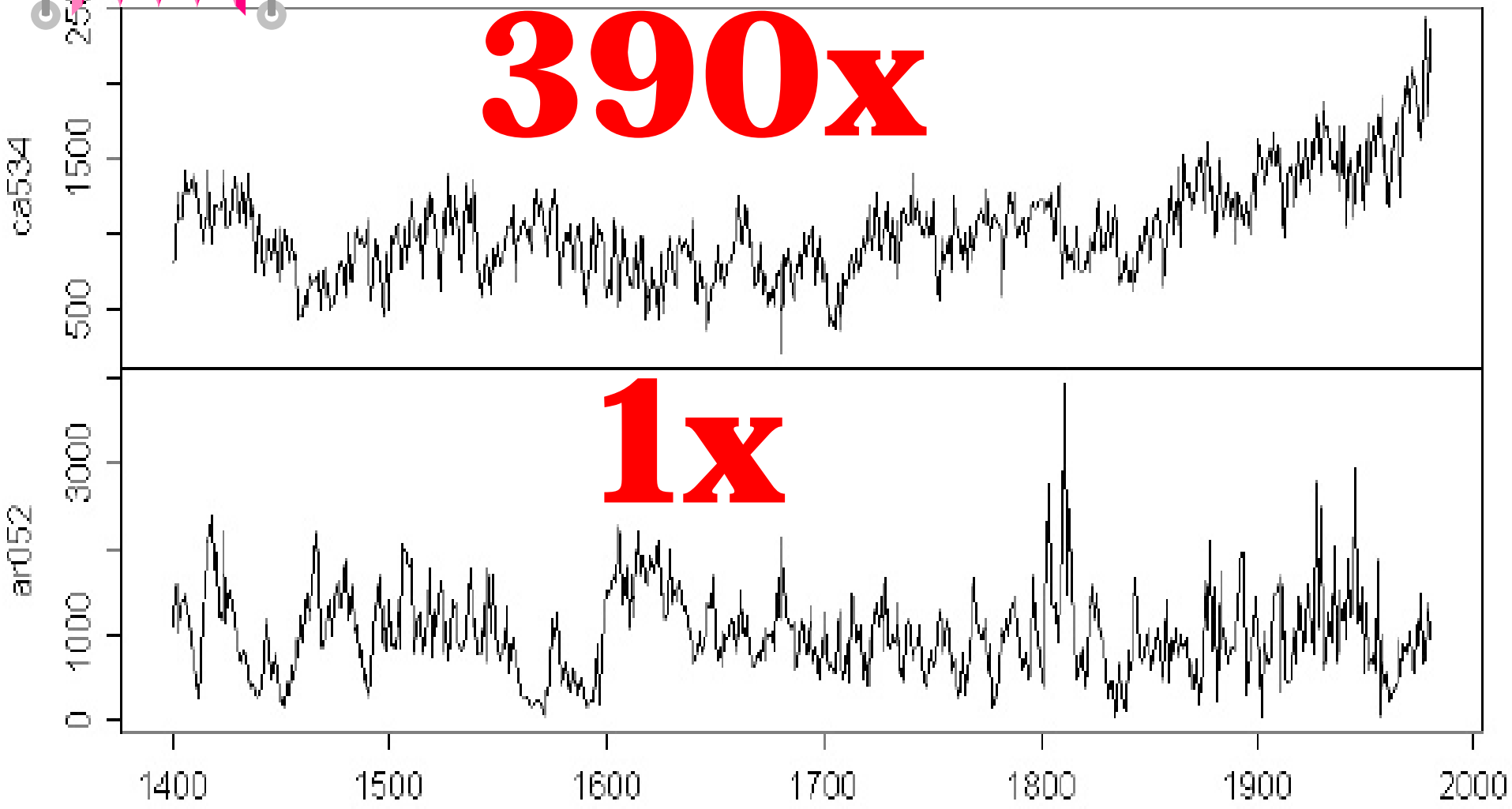
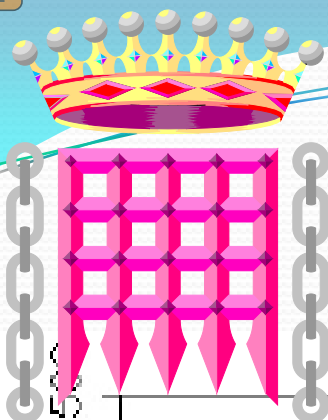
IPCC (1990)

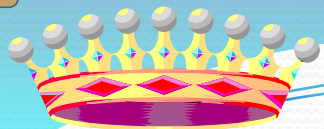


... now you don't!  
IPCC (2001)

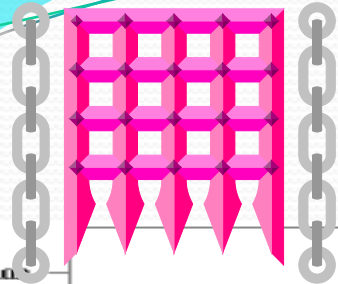


# How the UN bent the “hockey stick”

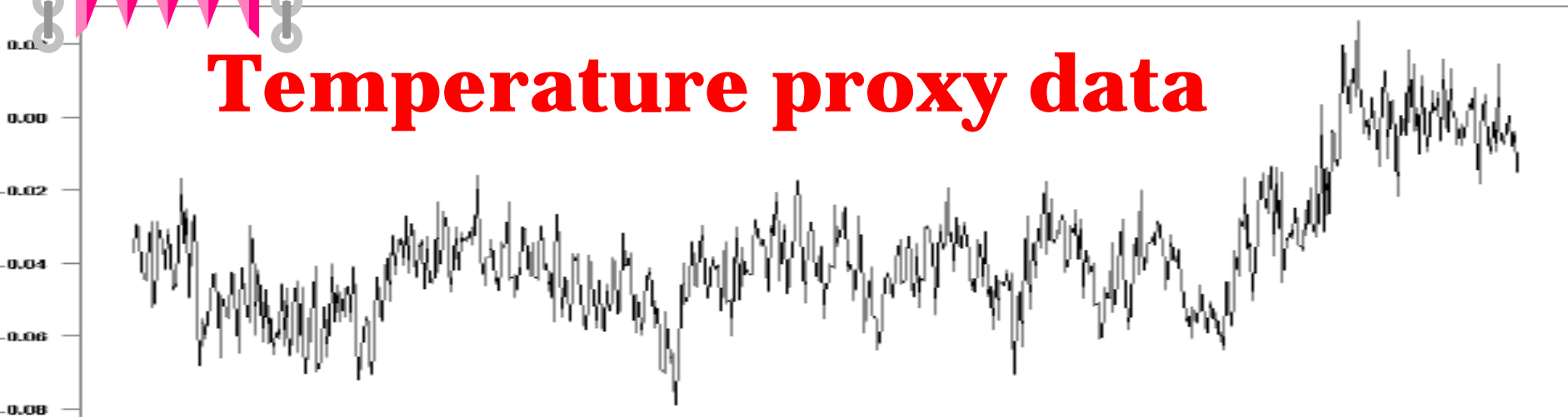




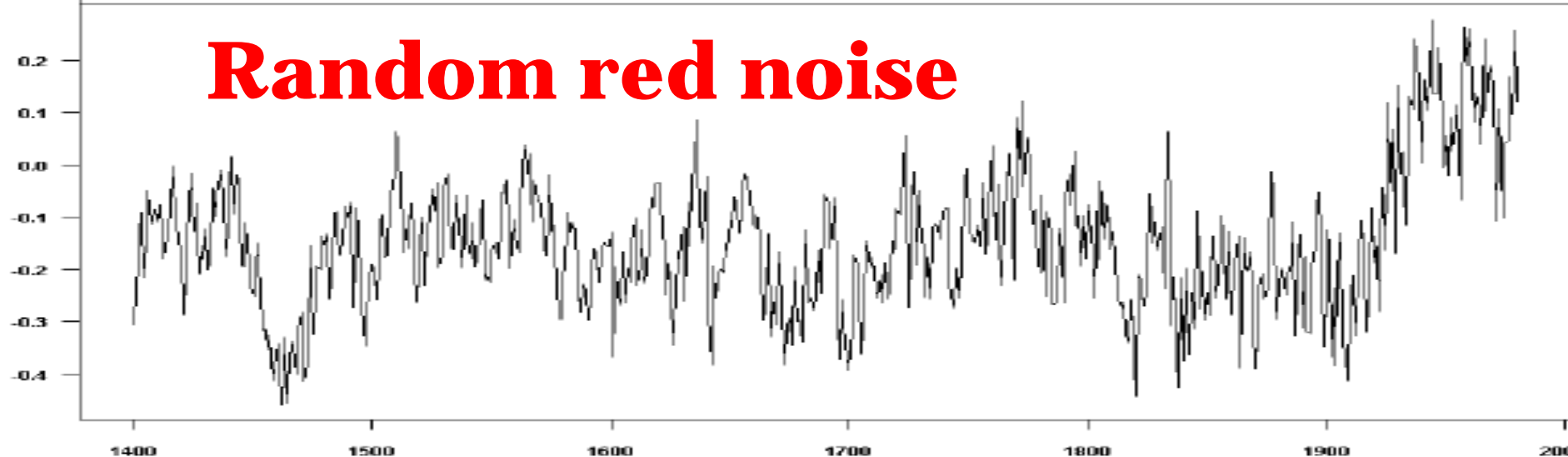
# The computer always drew hockey sticks:



**Temperature proxy data**

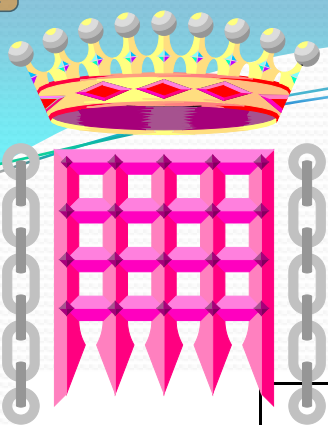


**Random red noise**



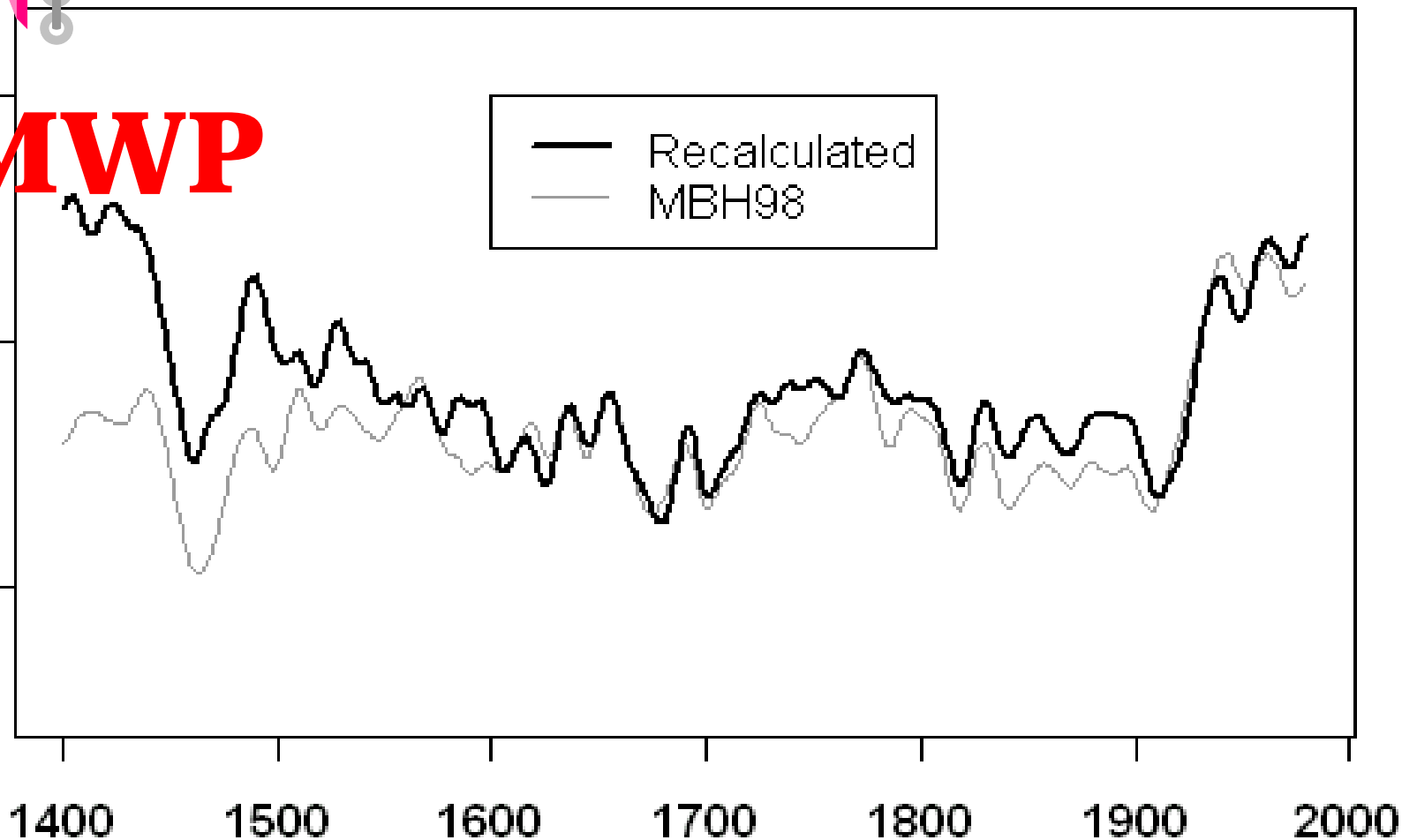
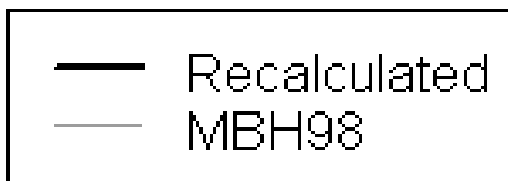


# “CENSORED\_DATA” (and MWP) restored:

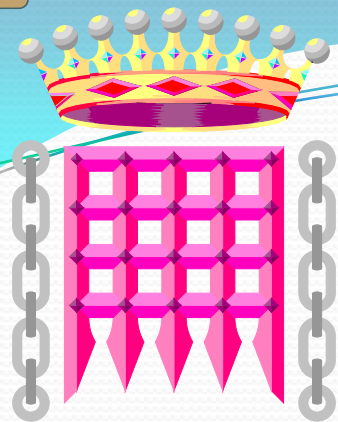


Temperature Index (deg C)

**MWP**





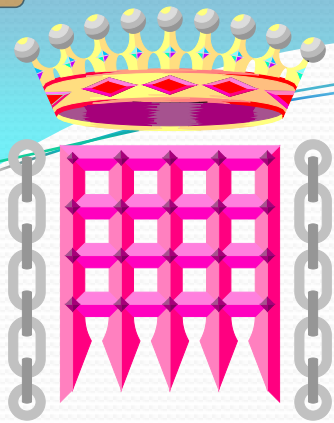


# The '2500 IPCC scientists' lie

**IPCC climate sensitivity estimate  
rests on just 4 scientific papers**

<b>CO<sub>2</sub> forcing coefficient</b>	<b>1 paper</b>
<b>Planck parameter</b>	<b>2 papers</b>
<b>Feedback multiplier</b>	<b>1 paper</b>

**... just 4 papers, not 2500!**

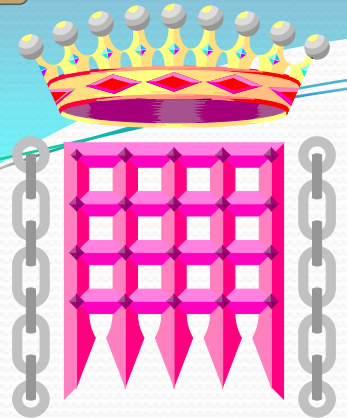


# The 'locked-in' warming in the 'in the pipeline' lie

$$\Delta T_{S,eq} = 4.7 \ln(836/368) = 3.9 \text{ C}^\circ$$

$$\Delta T_{S,tra} = [\text{SPM3, sc. A2}] = \underline{3.4 \text{ C}^\circ}$$

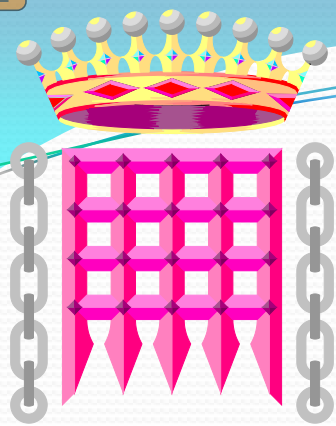
$$\text{Warming in the pipeline} = \underline{0.5 \text{ C}^\circ}$$



# The attribution lie **BEFORE (#1)**

**“No study to date has positively attributed all or part [of observed climate change] to anthropogenic causes.”**

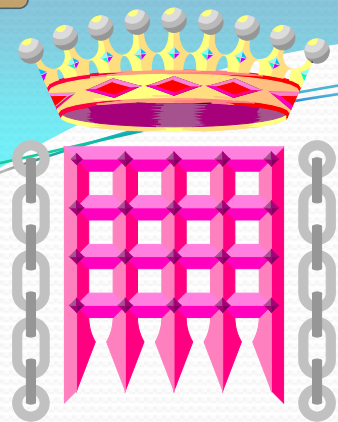
**IPCC (1995)**



# The attribution lie **BEFORE (#2)**

**“When will an anthropogenic effect on climate be identified? It is not surprising that the best answer to this question is, ‘We do not know.’**

**IPCC (1995)**



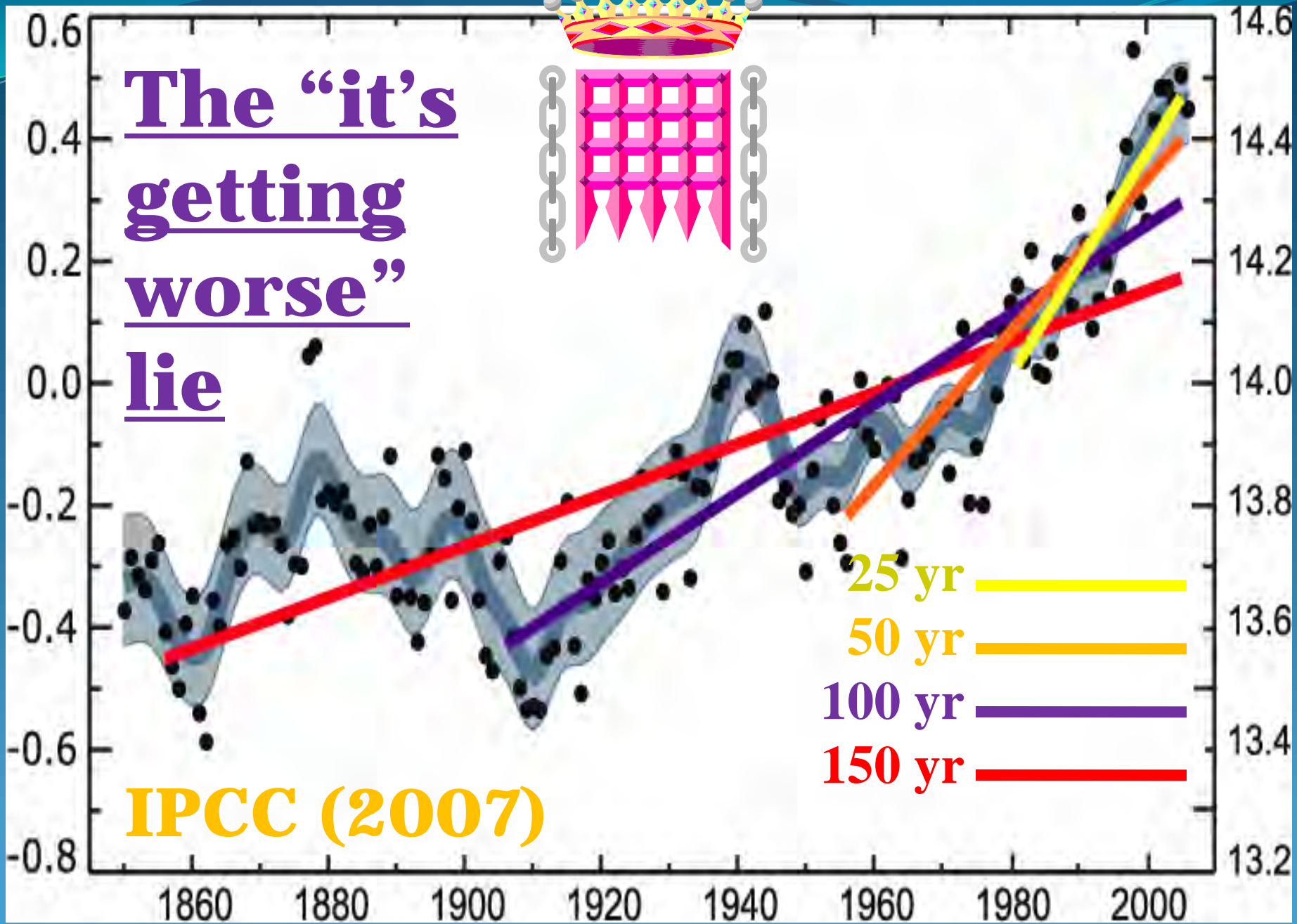
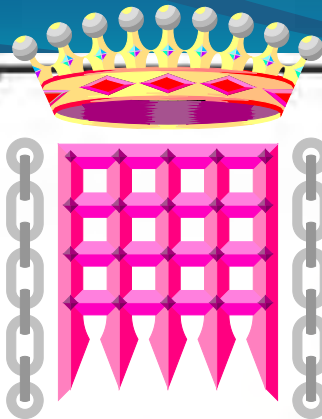
# The attribution lie **AFTER**

**“The body of ... evidence  
now points to a discernible  
human influence on global  
climate.”**

**IPCC (1995) rewrite**

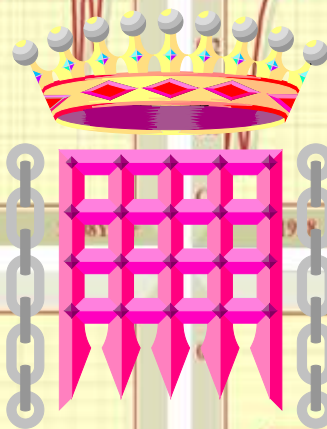


The “it’s  
getting  
worse”  
lie



**IPCC (2007)**

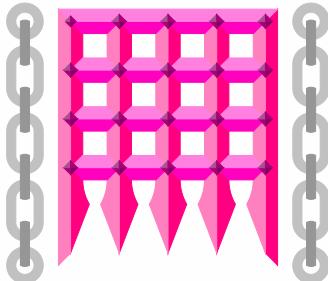
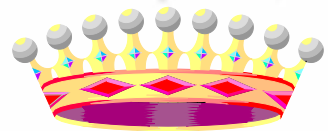
25 yr  
50 yr  
100 yr  
150 yr





Global mean temperature

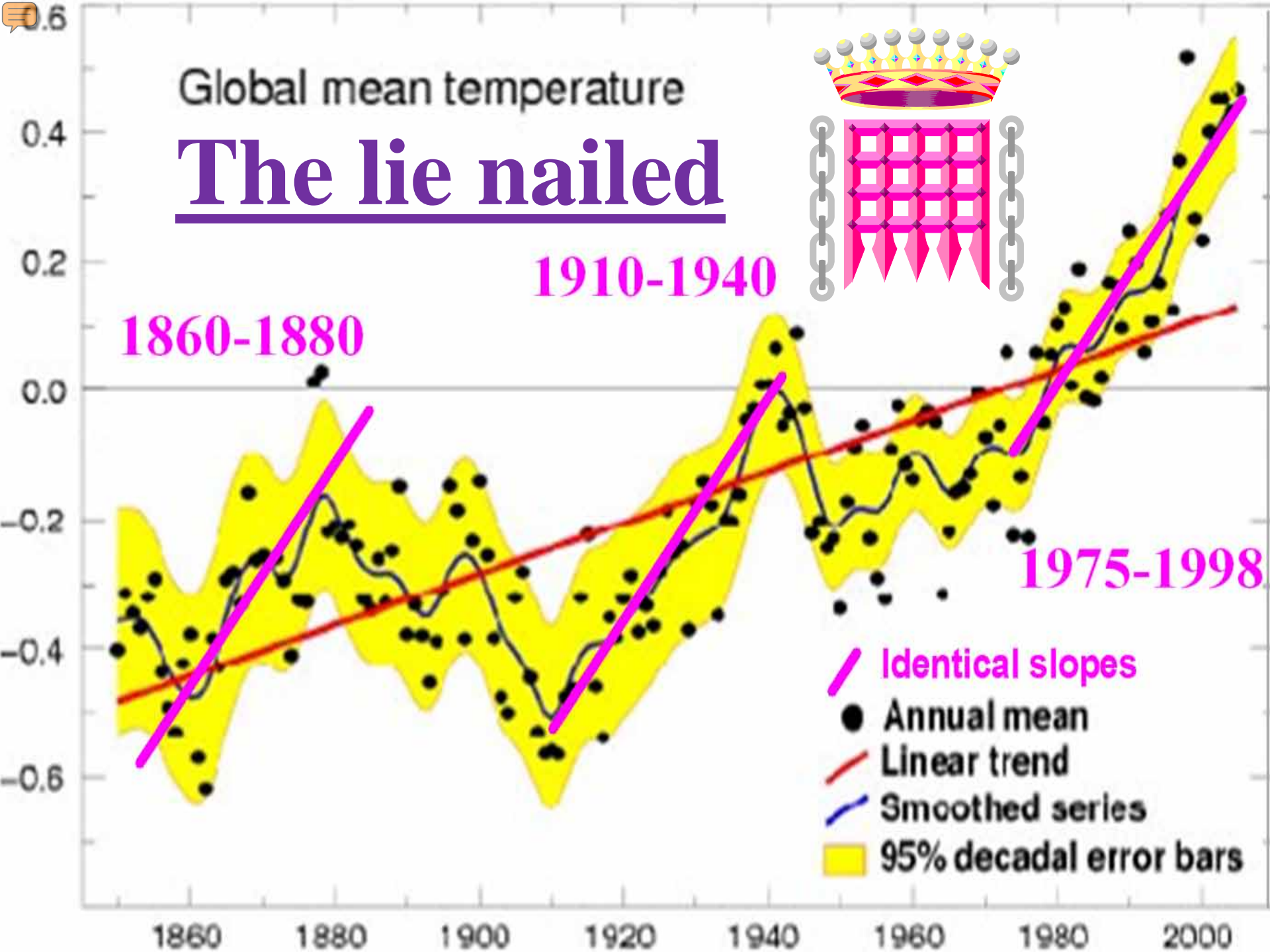
# The lie nailed








1910-1940

1860-1880

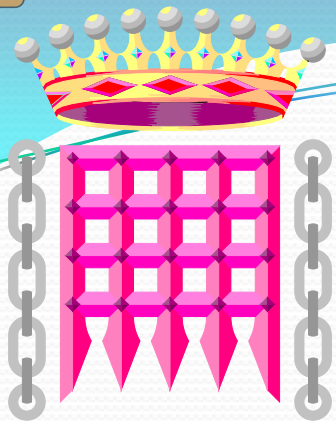
1975-1998



-  Identical slopes
-  Annual mean
-  Linear trend
-  Smoothed series
-  95% decadal error bars

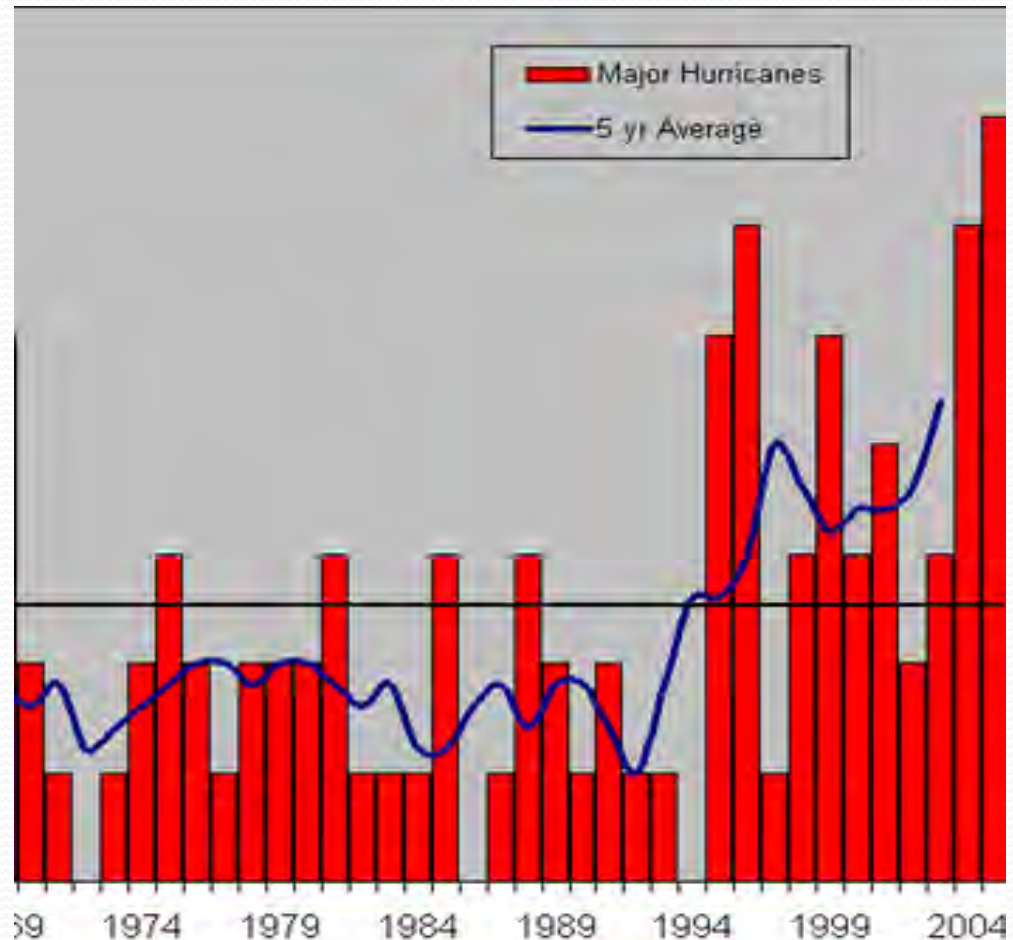
1860 1880 1900 1920 1940 1960 1980 2000

# The startpoint lie



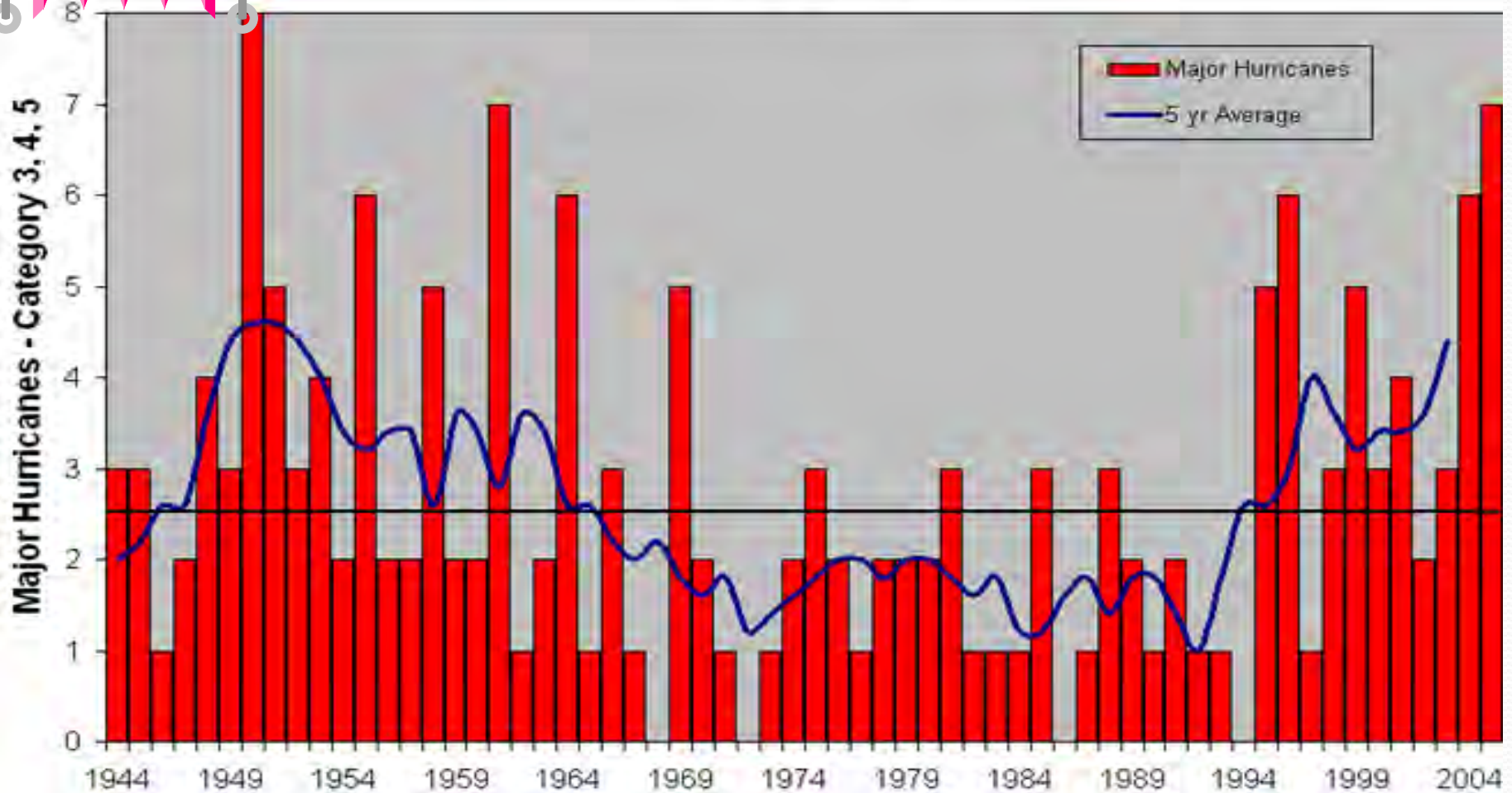
**Atlantic  
Category  
3, 4, & 5  
hurricanes,  
1970-2005**

**Webster  
*et al.*, 2006**

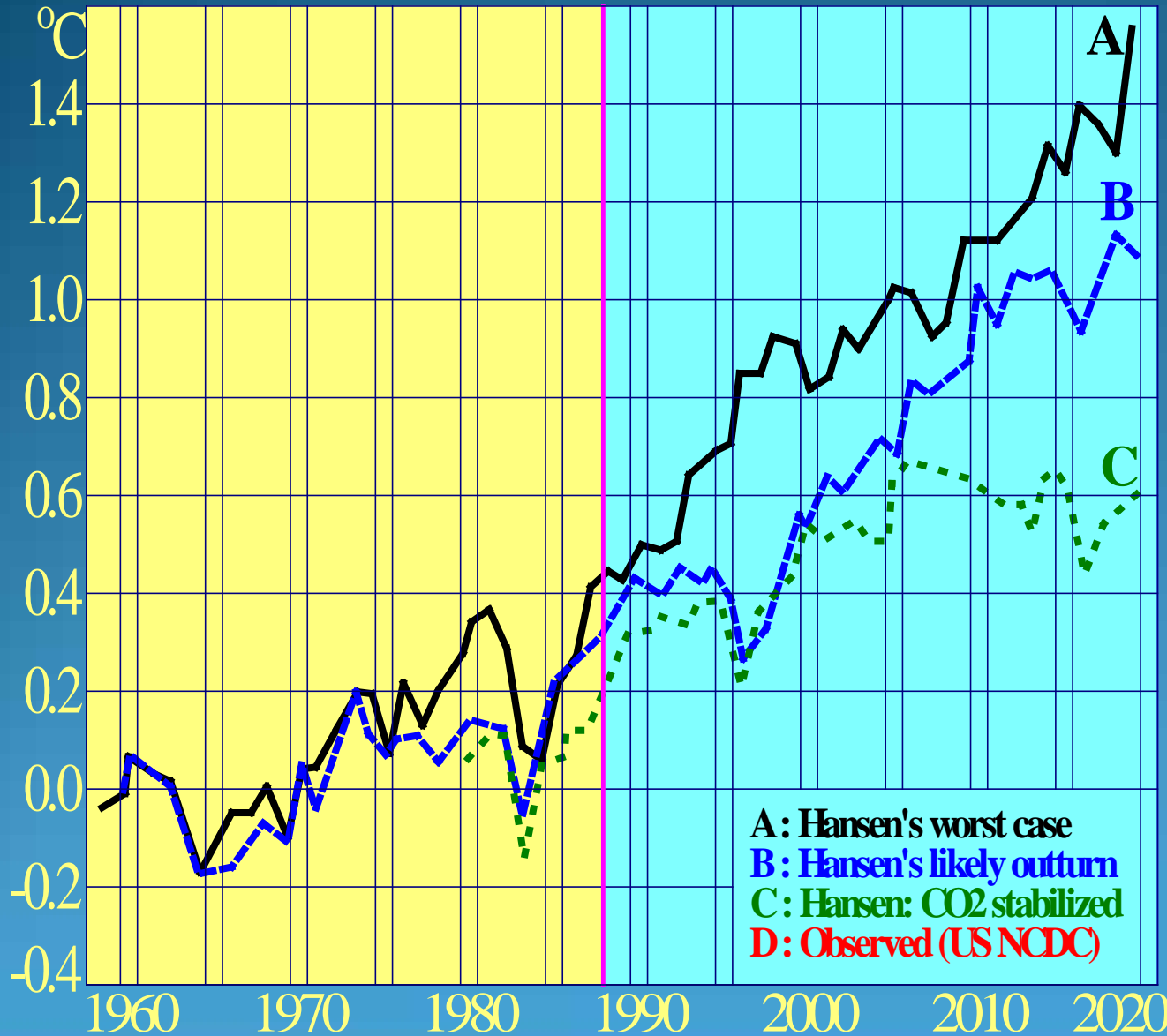
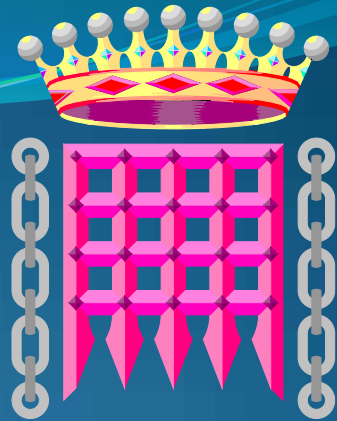


# The lie nailed

Atlantic Major Hurricanes  
1944 to 2005



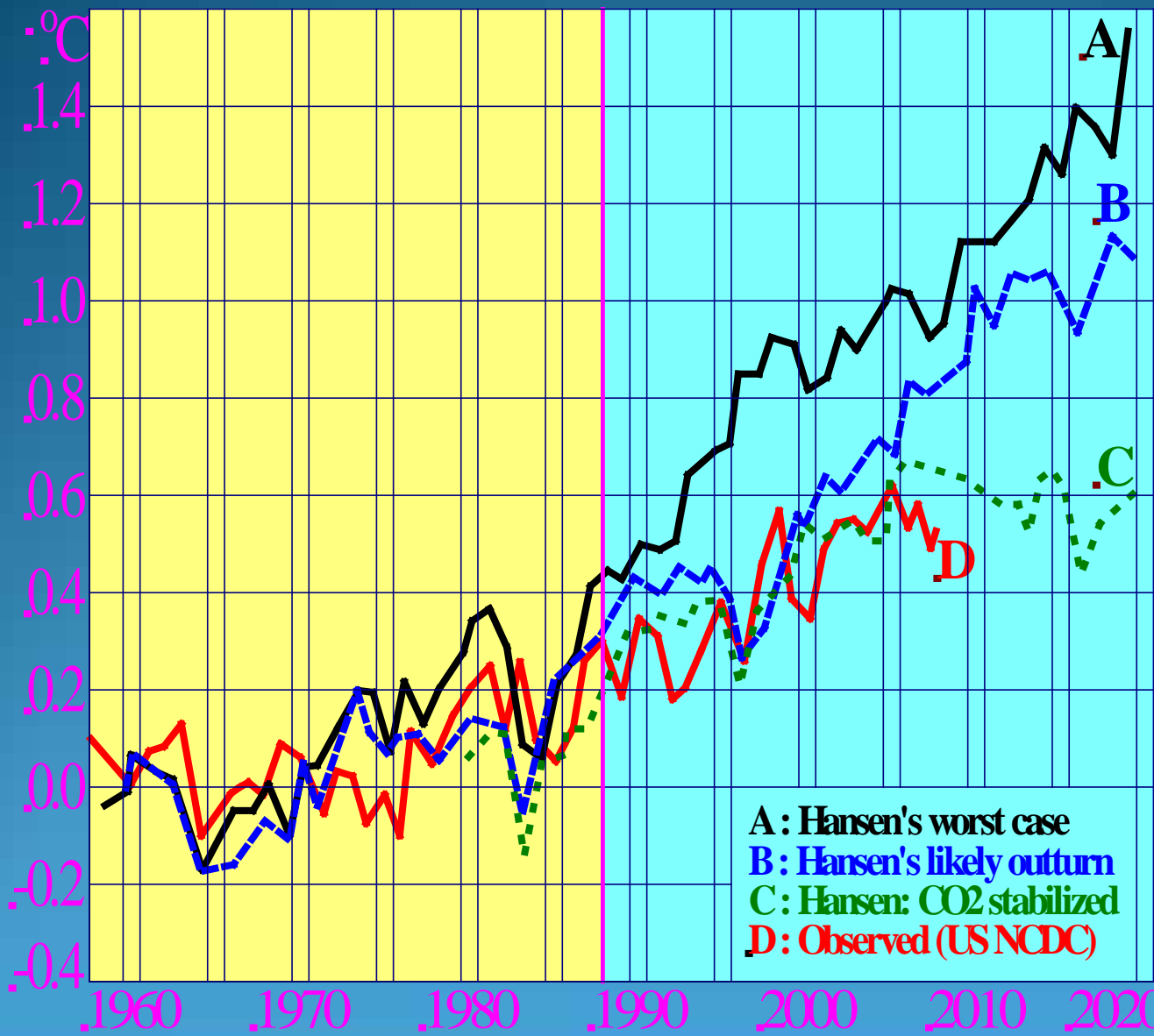
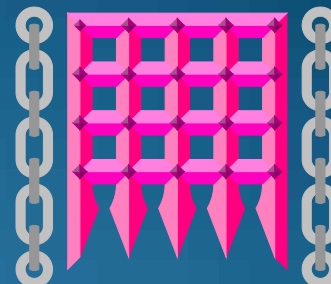
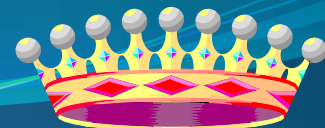
# Prediction lie, 1988



**This  
bogus  
graph  
started  
the scare**

**Hansen  
(1988)**

# The lie nailed, 2006



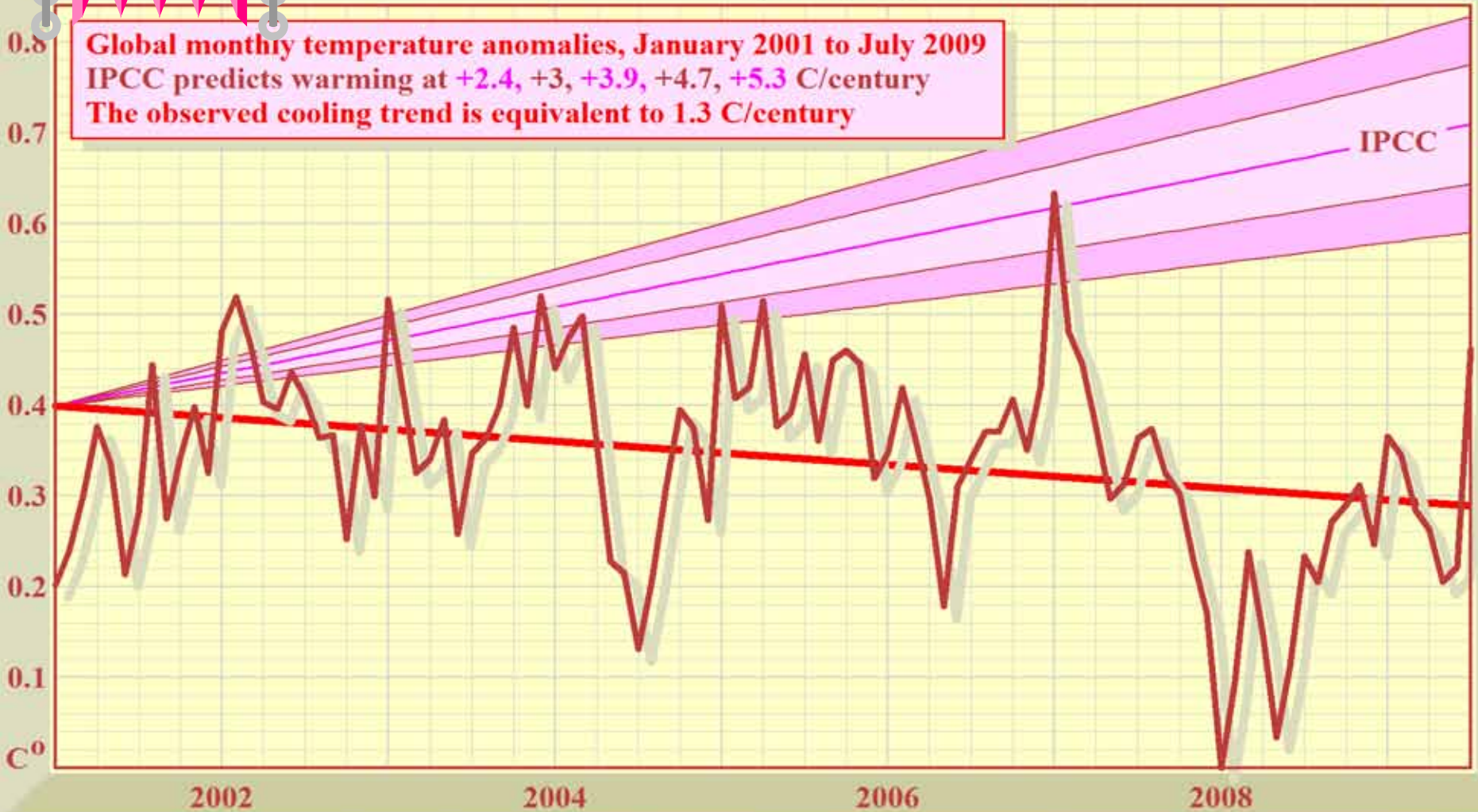
**Wrong  
then,  
wrong  
now**

**NCDC  
(2007)**

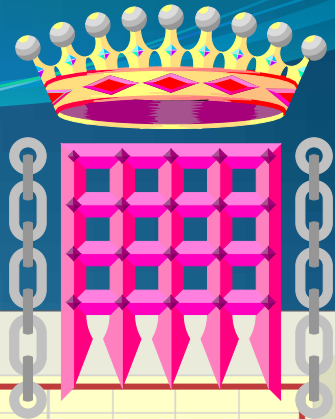


# NOAA 'it ain't cooling' lie

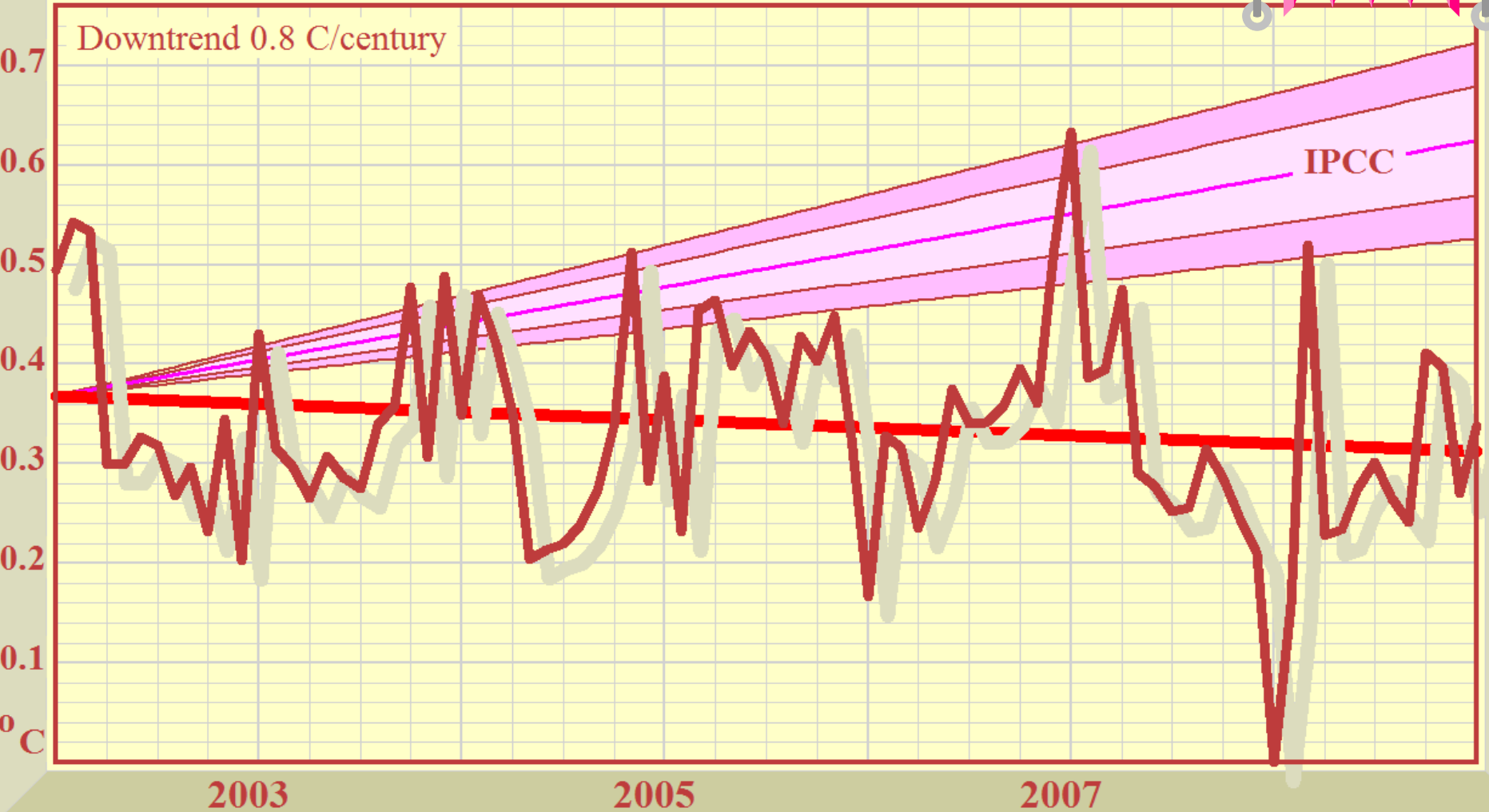
[www.scienceandpublicpolicy.org](http://www.scienceandpublicpolicy.org)

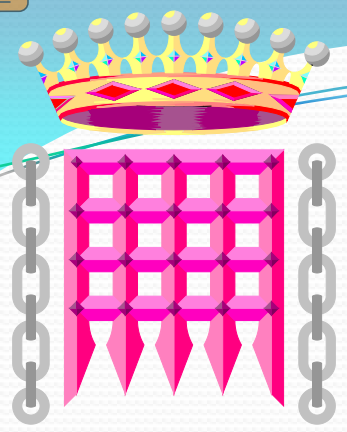


# The lie nailed:

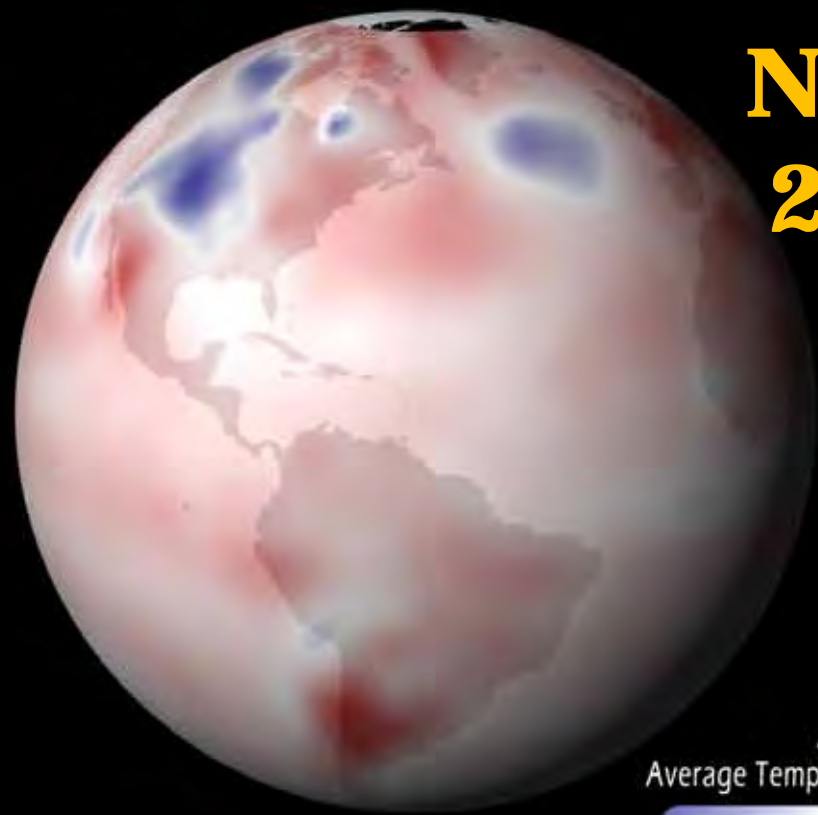


NCDC monthly temperature anomalies, 2002-2008

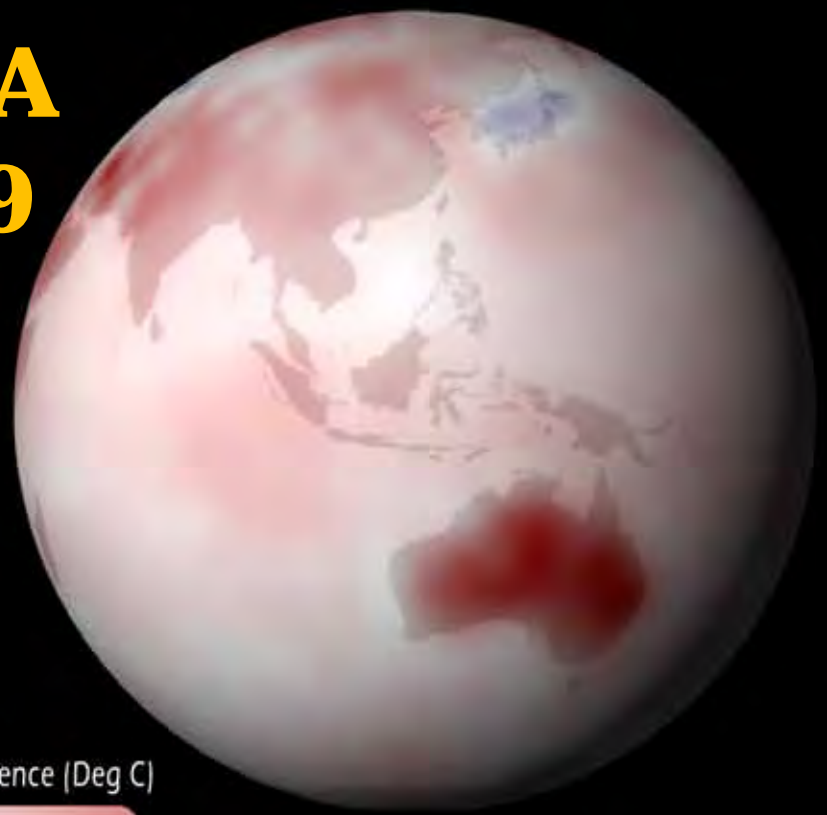




# NOAA 'warming oceans' lie

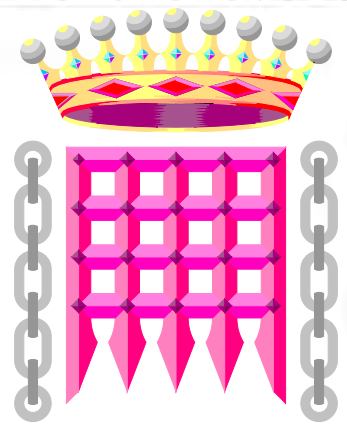


**NOAA  
2009**





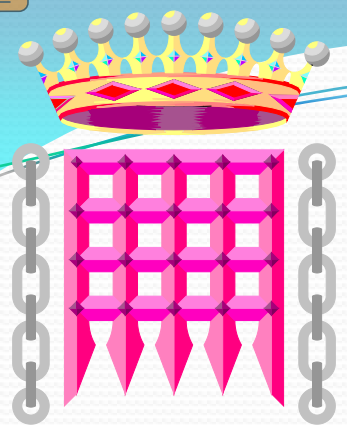
# The lie nailed



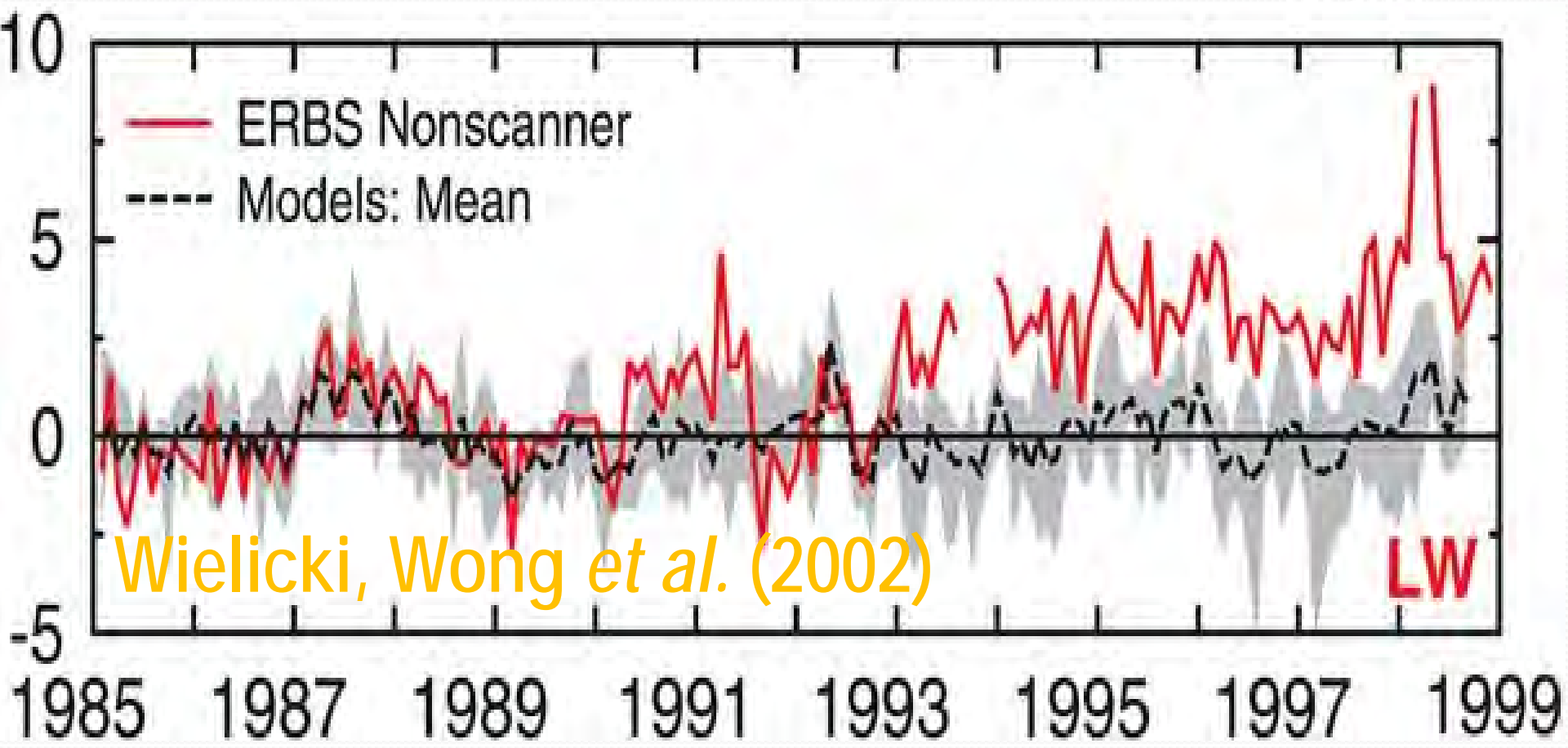
Argo SST Nino-3.4 Anomaly



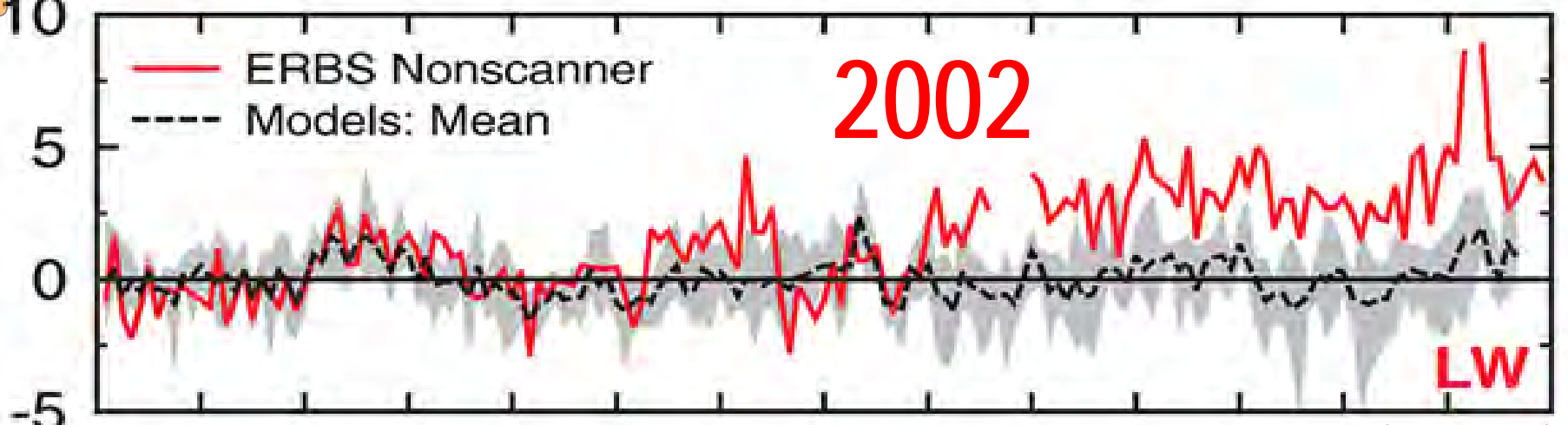
**ARGO, 2009**



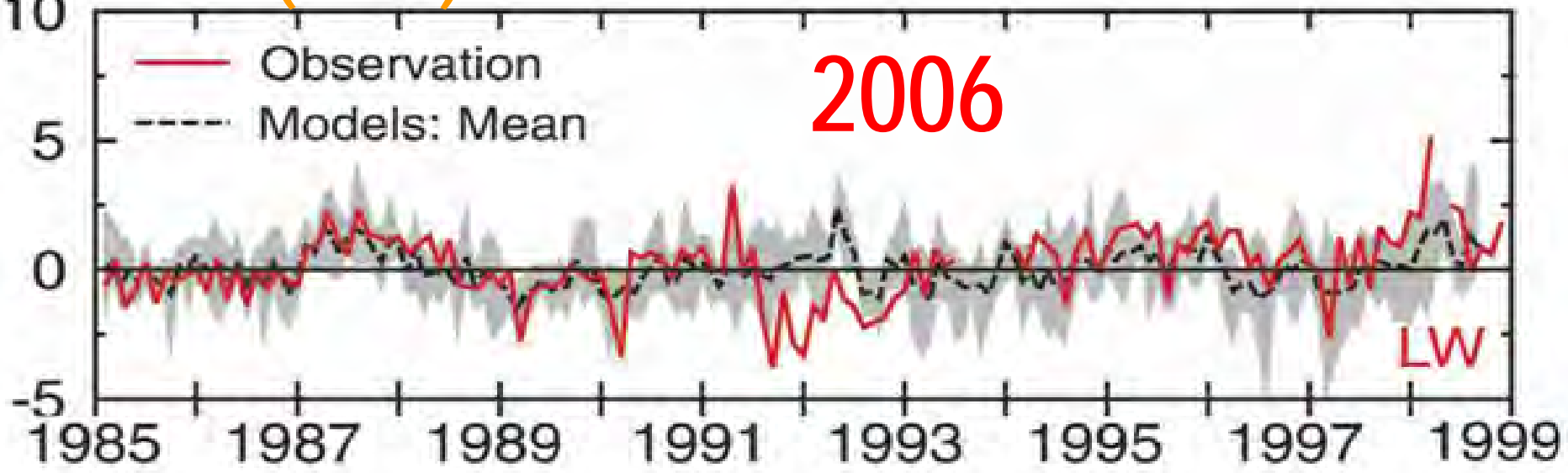
# The 'data revisionism' lie



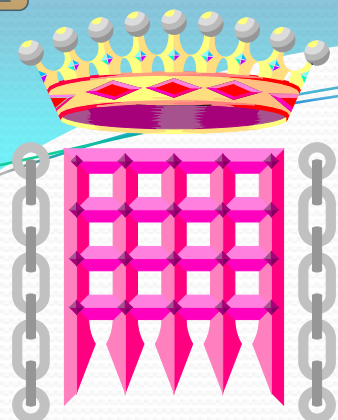




Wielicki, Wong *et al.* (2002)







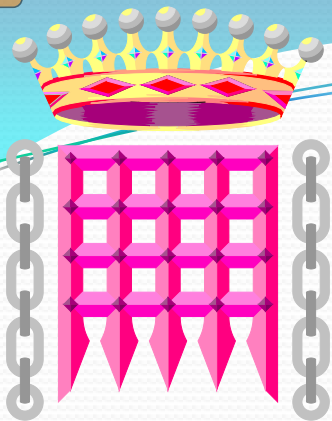
**The ‘consensus’ lie:**  
**‘Global warming’**  
**will be catastrophic**

**The lie nailed:**

**“Global climate change” papers: 539**

**Evidence for “catastrophe”: 0**

**Schulte (2008)**



# The “science is settled” lie:

**1896 Arrhenius 5.0 C**

**1988 Hansen 4.2 C**

**1995 IPCC 3.8 C**

**2001 IPCC 3.5 C**

**2007 IPCC 3.26 C**

**2008 Hansen 2.5 C**

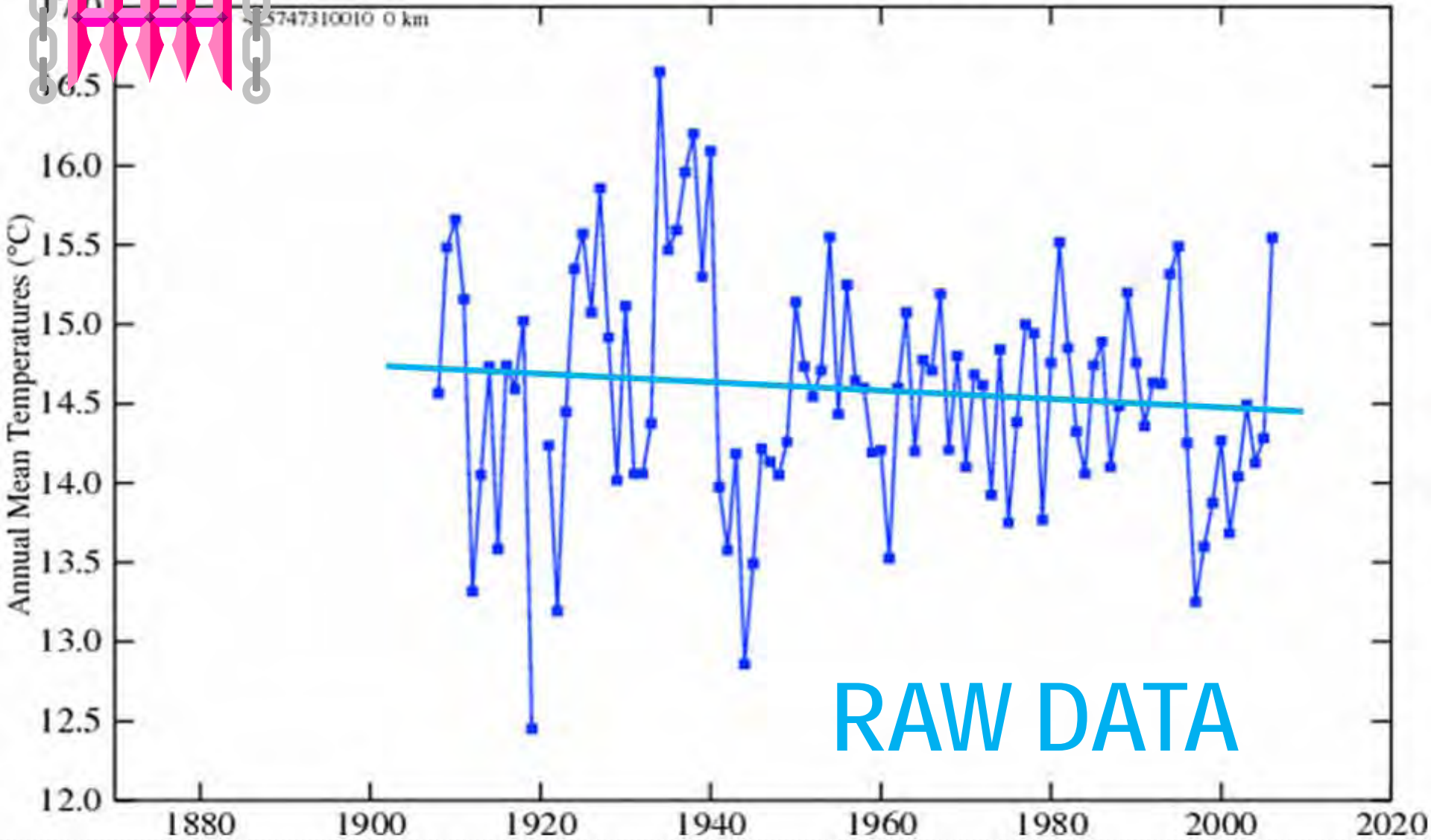
**1906 1.6 C Arrhenius**

**0.5 C** Monckton, Armstrong+, Douglass+, Spencer+, Paltridge+, Lindzen+

**2x CO2**

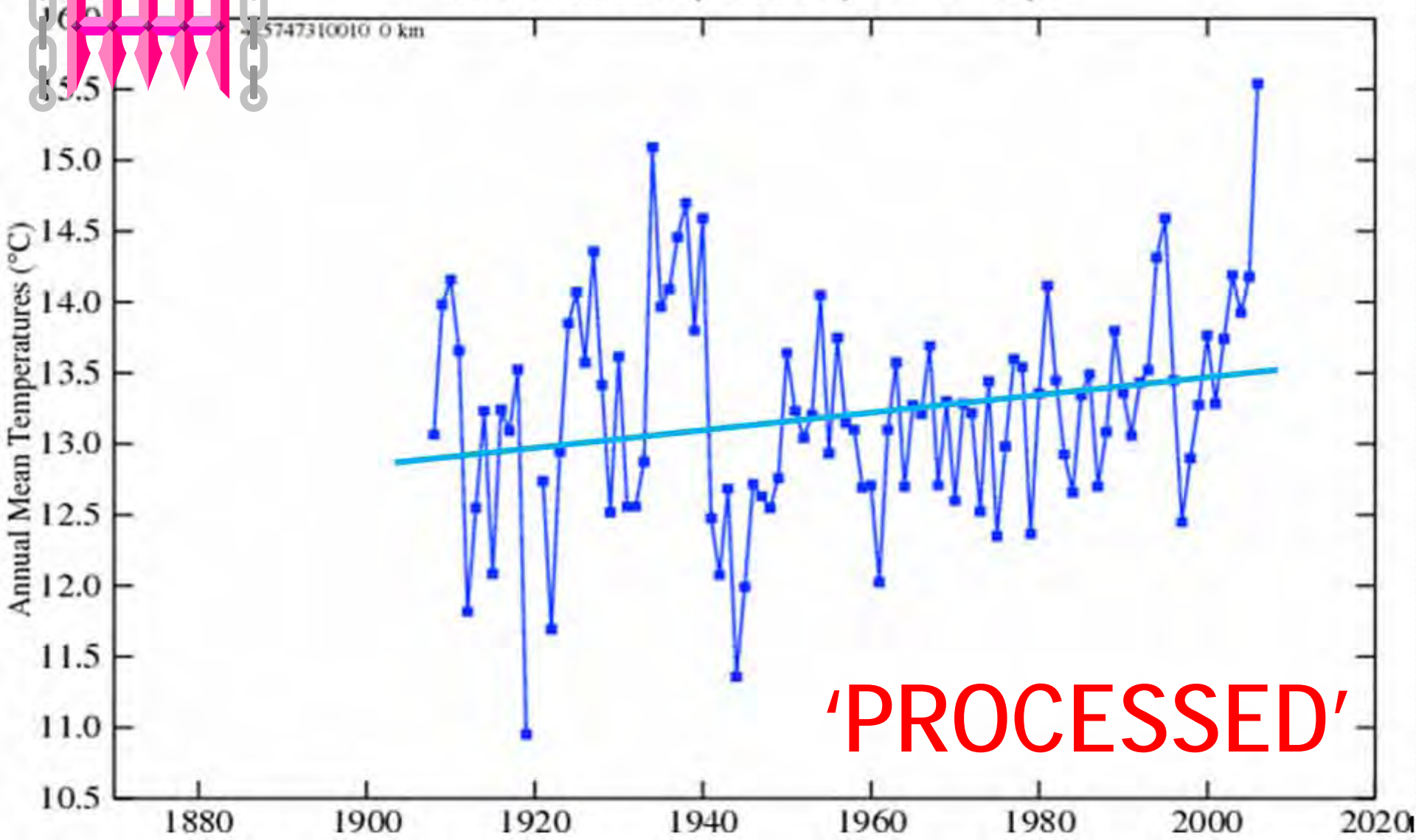
# The making cooling ...

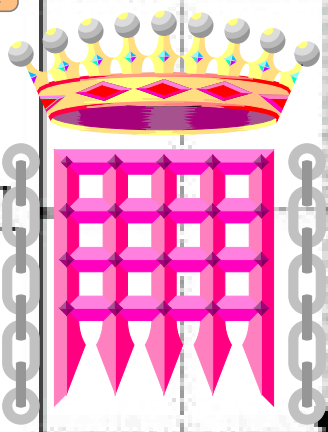
Santa Rosa (35.0 N, 104.7 W)



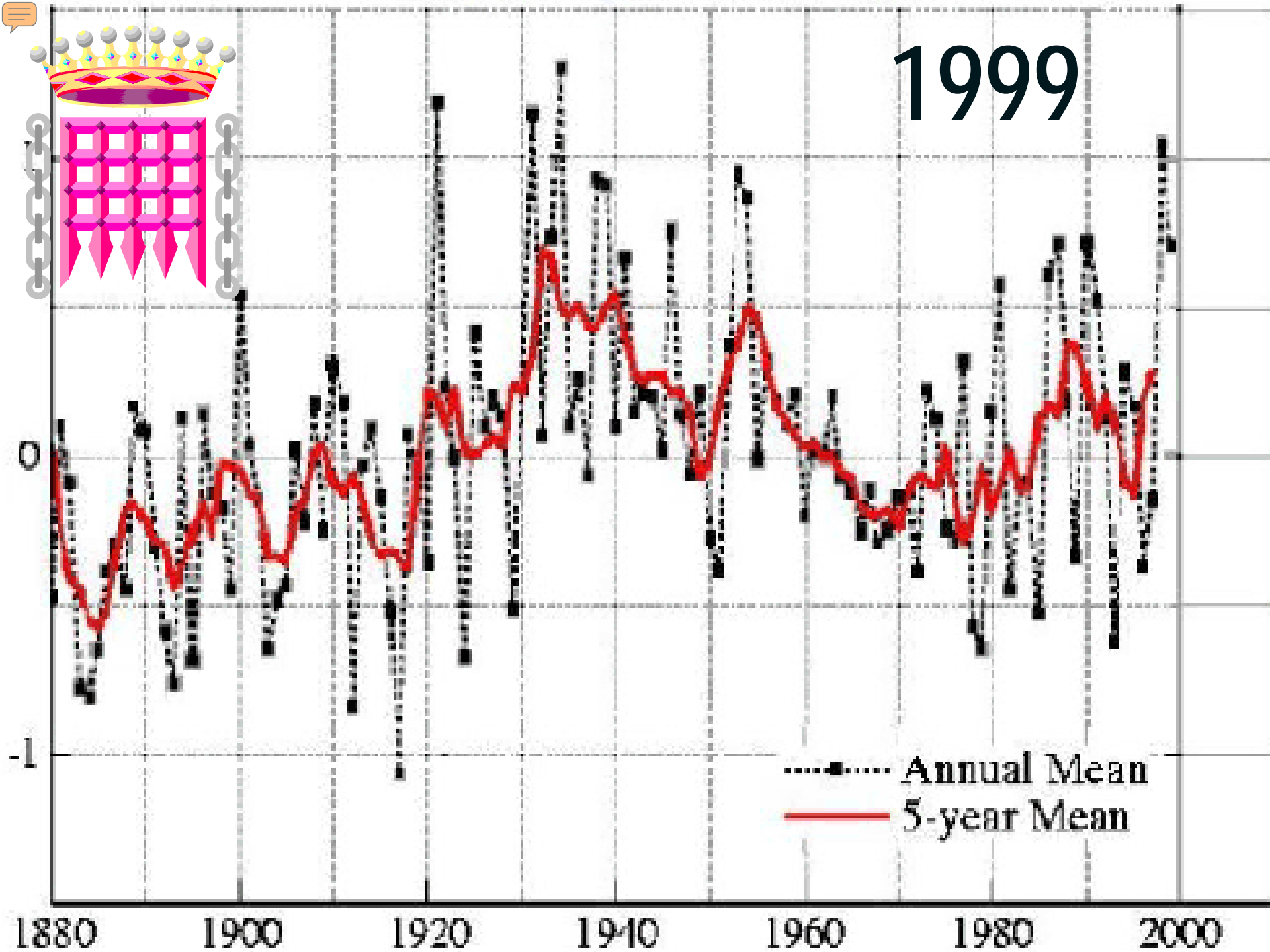
# ... into warming lie:

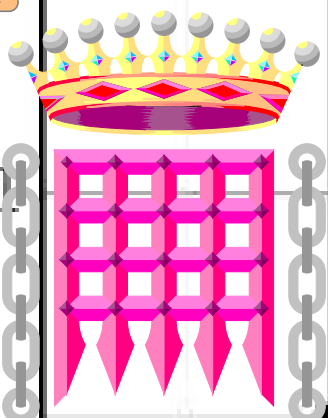
Santa Rosa (35.0 N, 104.7 W)



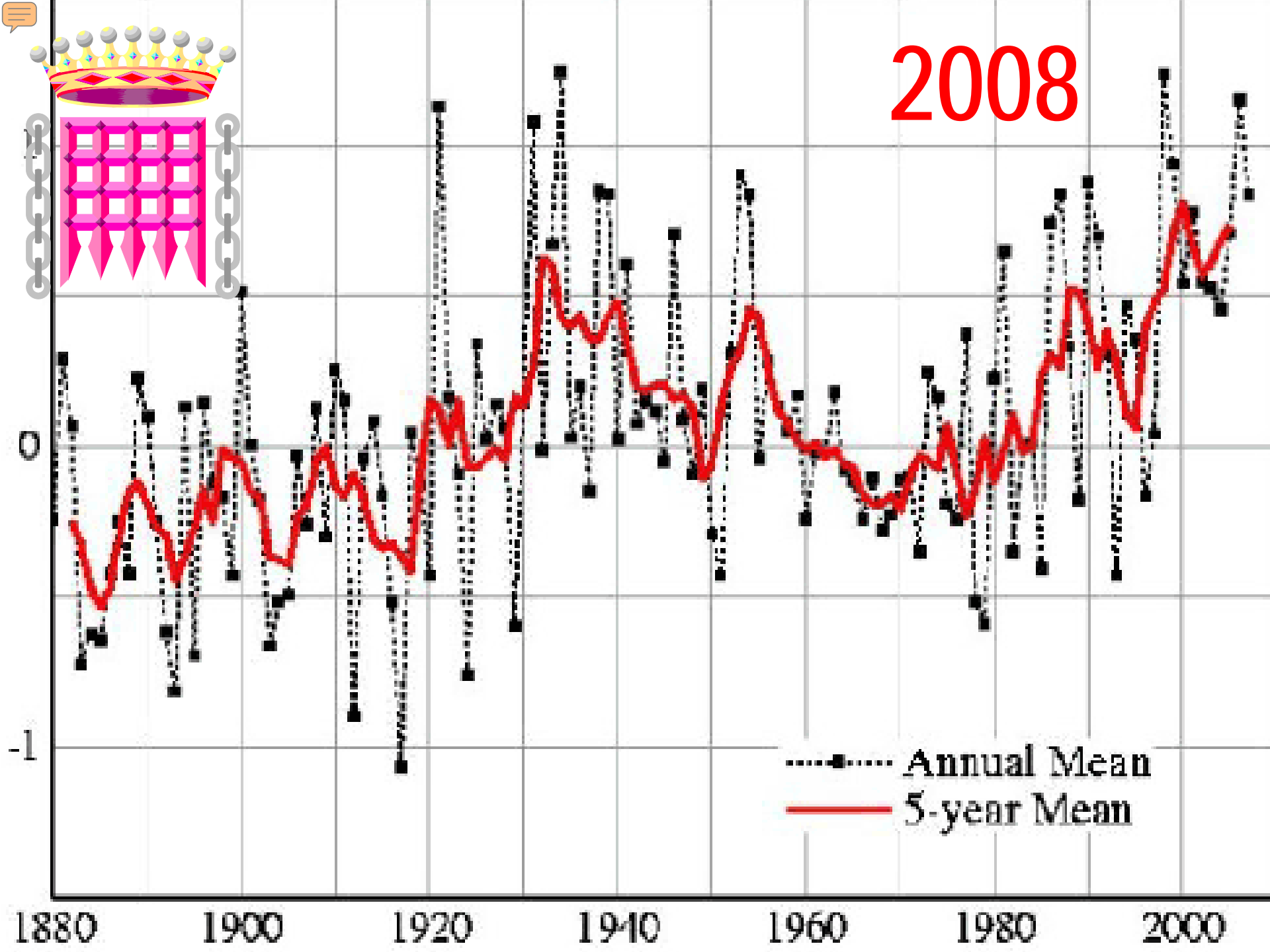


1999



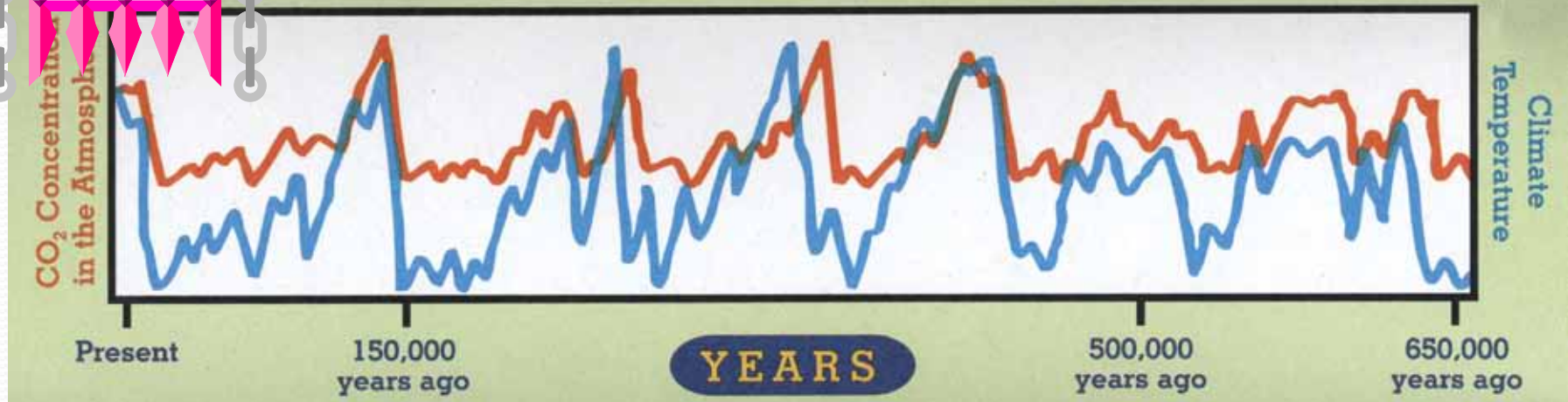


2008





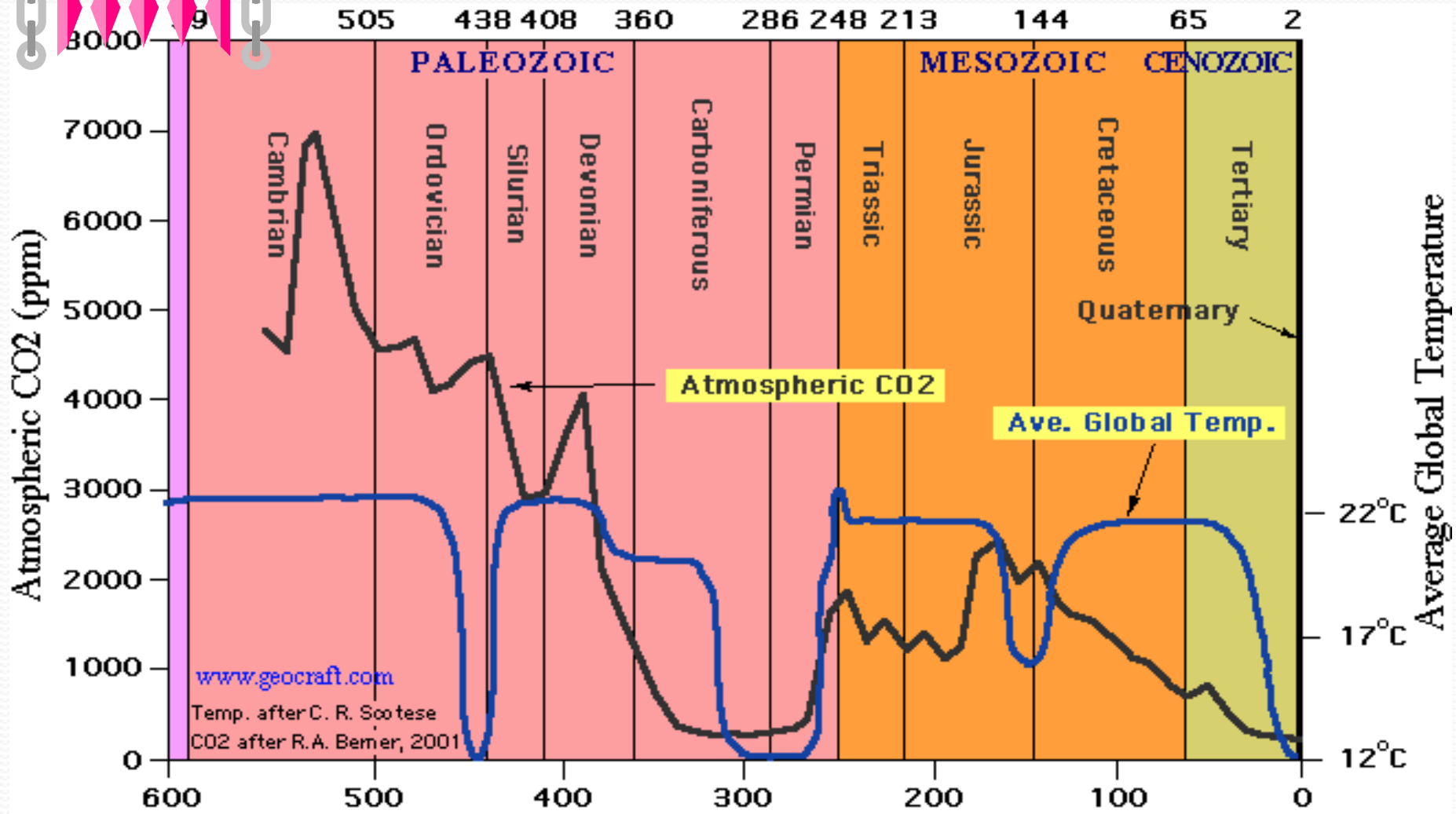
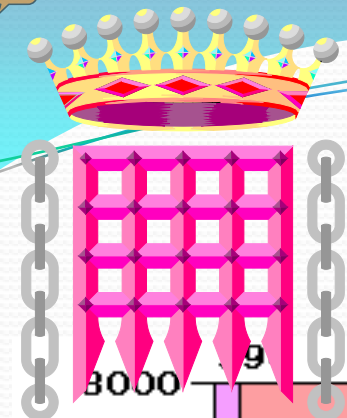
# Lying to children



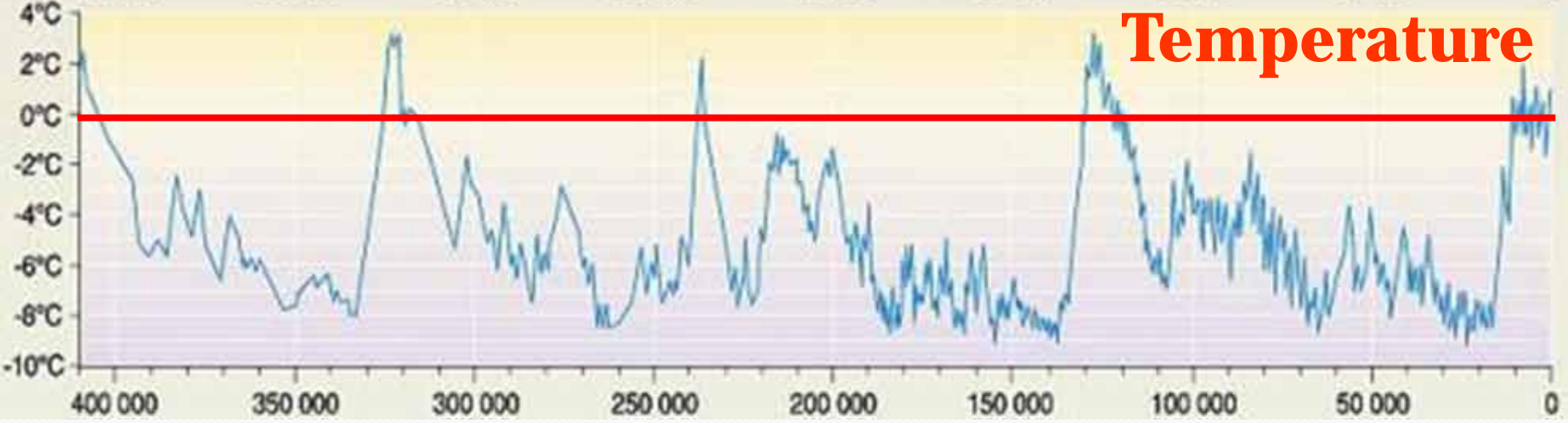
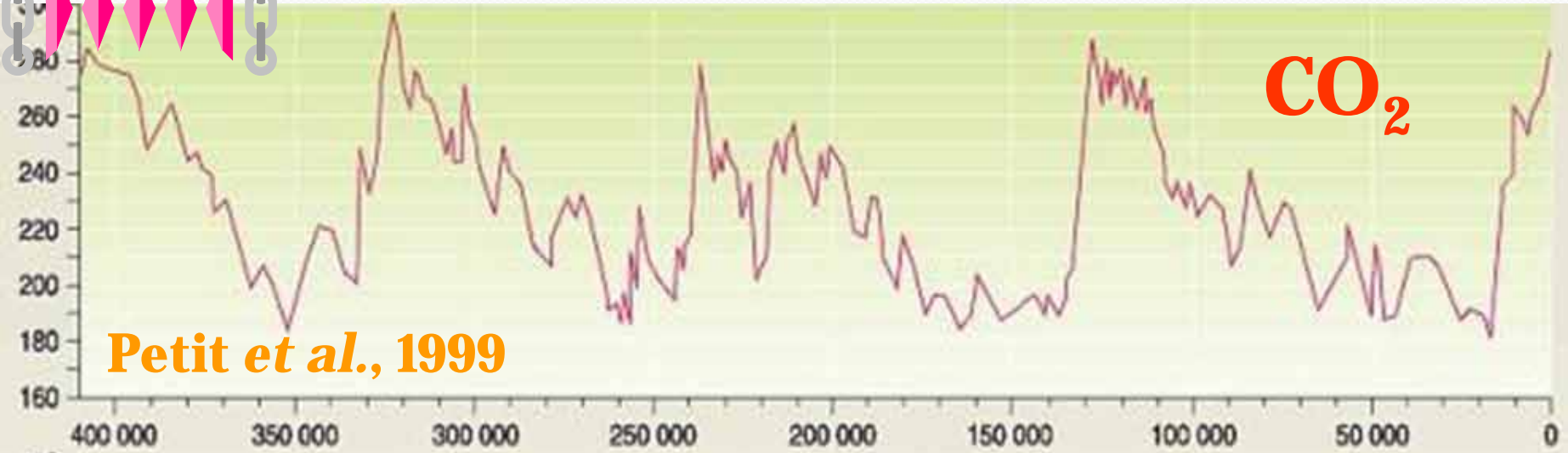
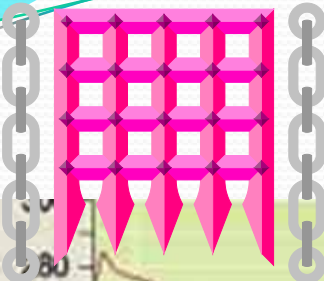
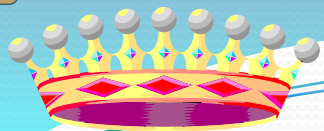
**“The more the CO<sub>2</sub> in the atmosphere, the higher the temperature climbed. The less CO<sub>2</sub>, the more the temperature fell. You can see this relationship for yourself by looking at the graph.”**

**Laurie David (2007)**

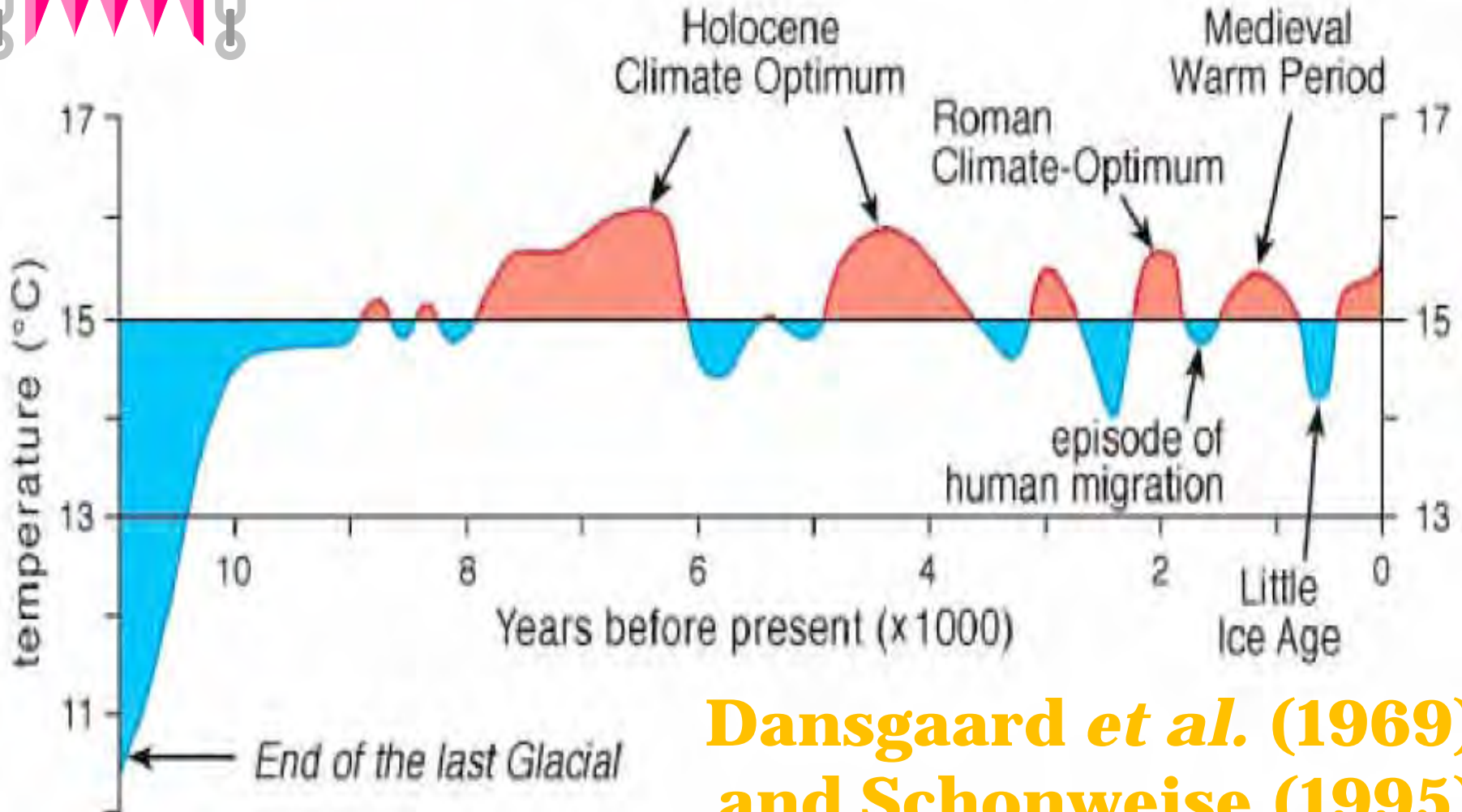
# For 600m years, it was 7 C warmer than today



# 4 interglacials were ~3 C warmer than the present



# Bronze Age, Roman era, Middle Ages: warmer too

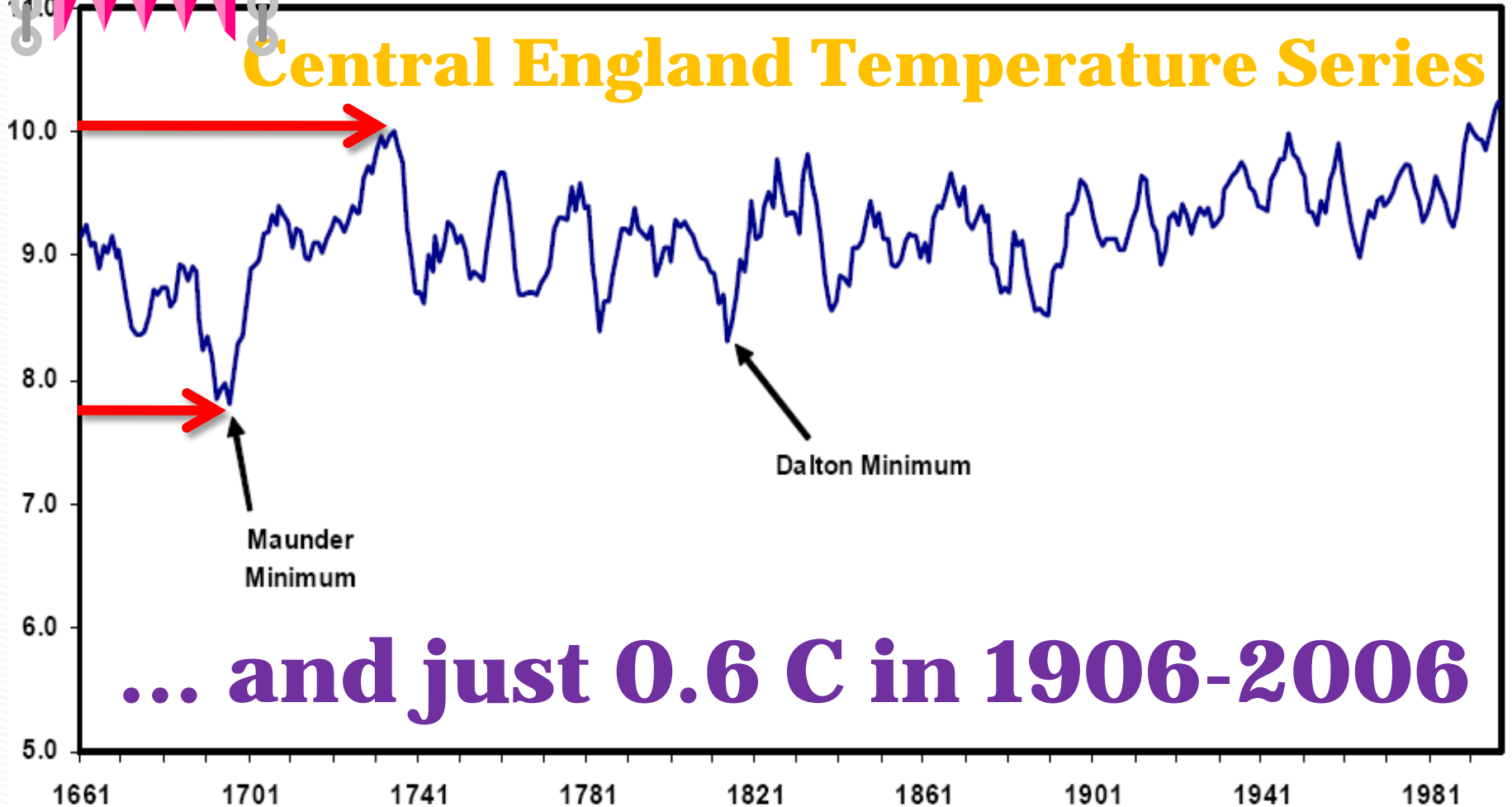


**Dansgaard *et al.* (1969)  
and Schonweise (1995)**



# Temperature rose 2.2 °C in the 35 years 1700-1735

## Central England Temperature Series



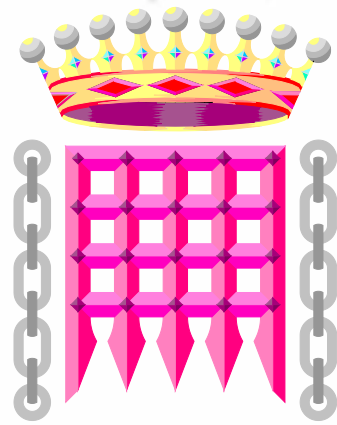
... and just 0.6 C in 1906-2006





Global mean temperature

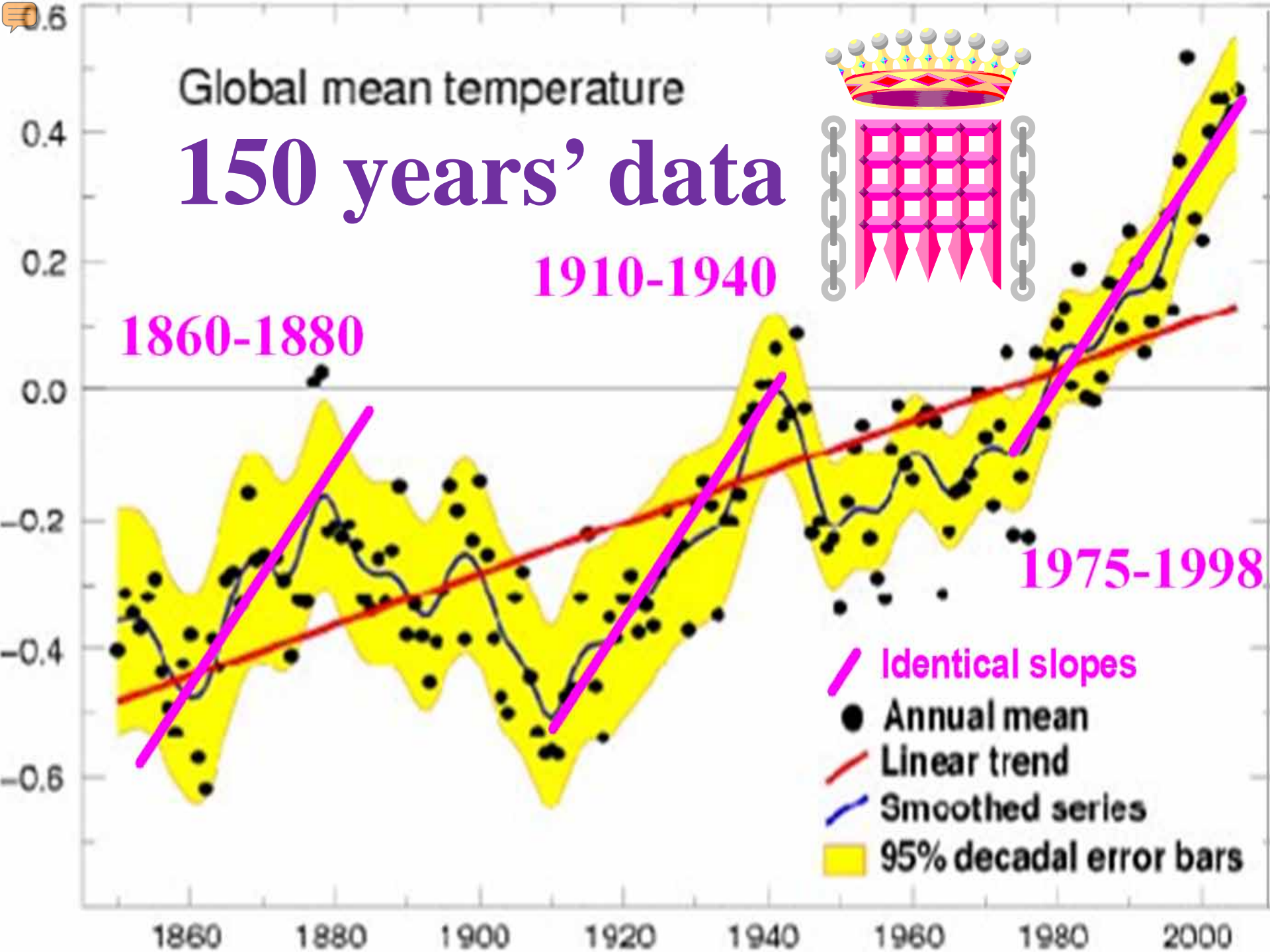
# 150 years' data



1910-1940

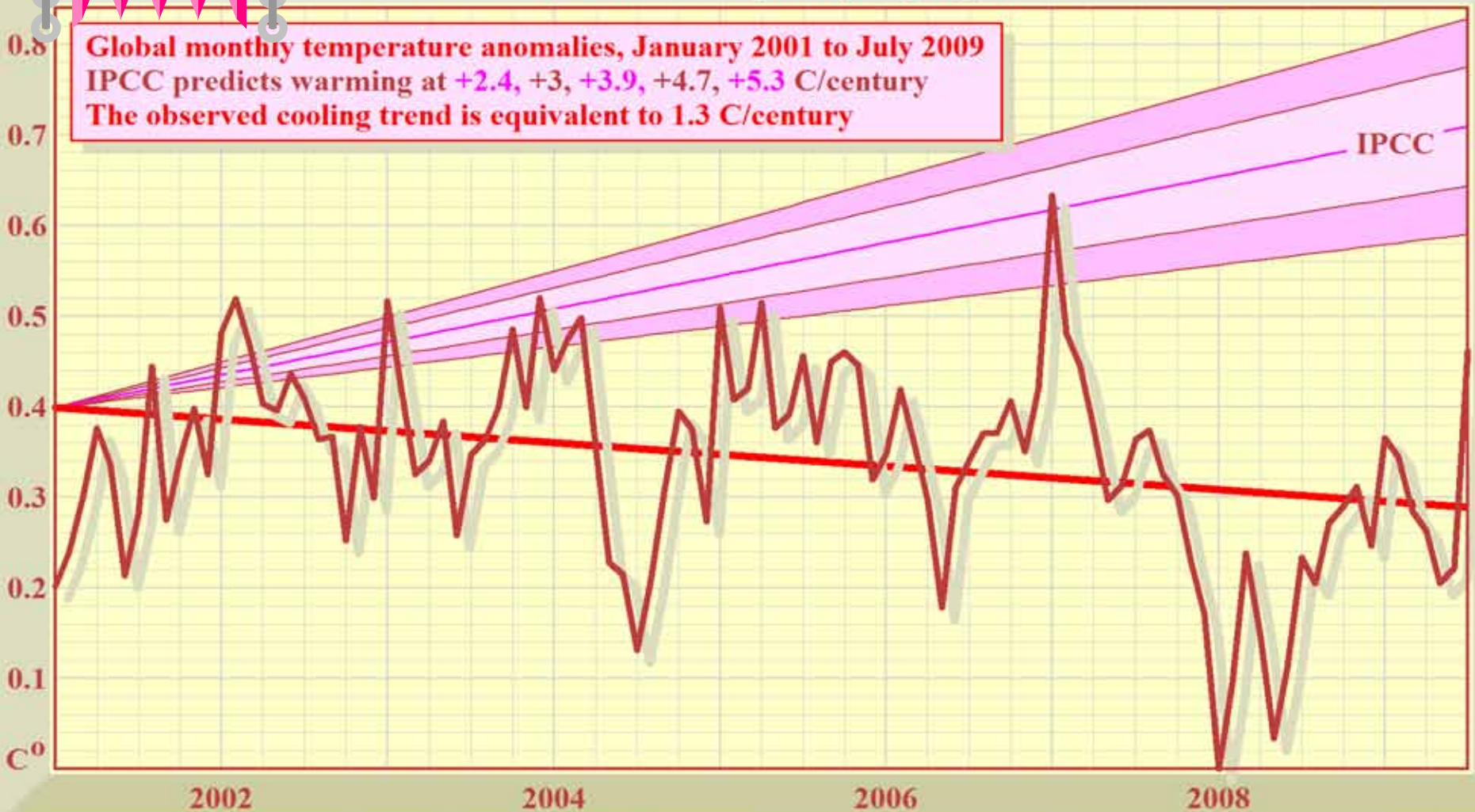
1860-1880

1975-1998

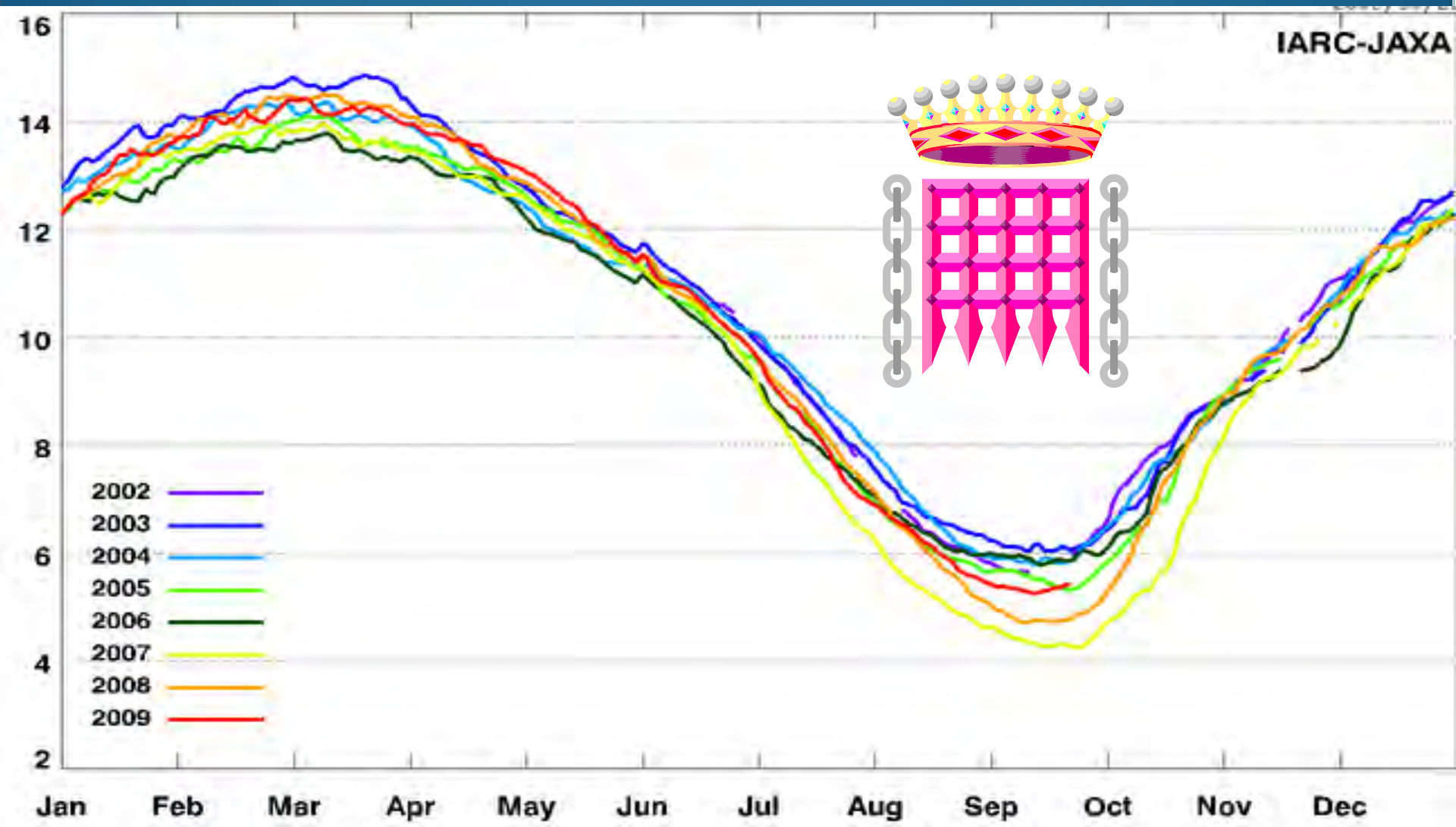


# Warming? What warming?

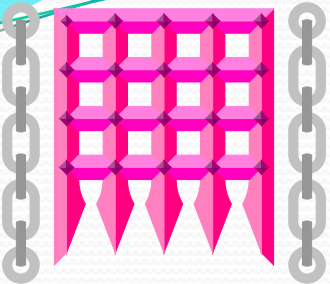
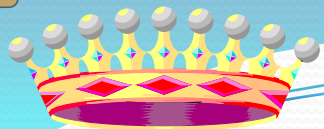
[www.scienceandpublicpolicy.org](http://www.scienceandpublicpolicy.org)



# Arctic sea-ice extent is just fine: steady for a decade

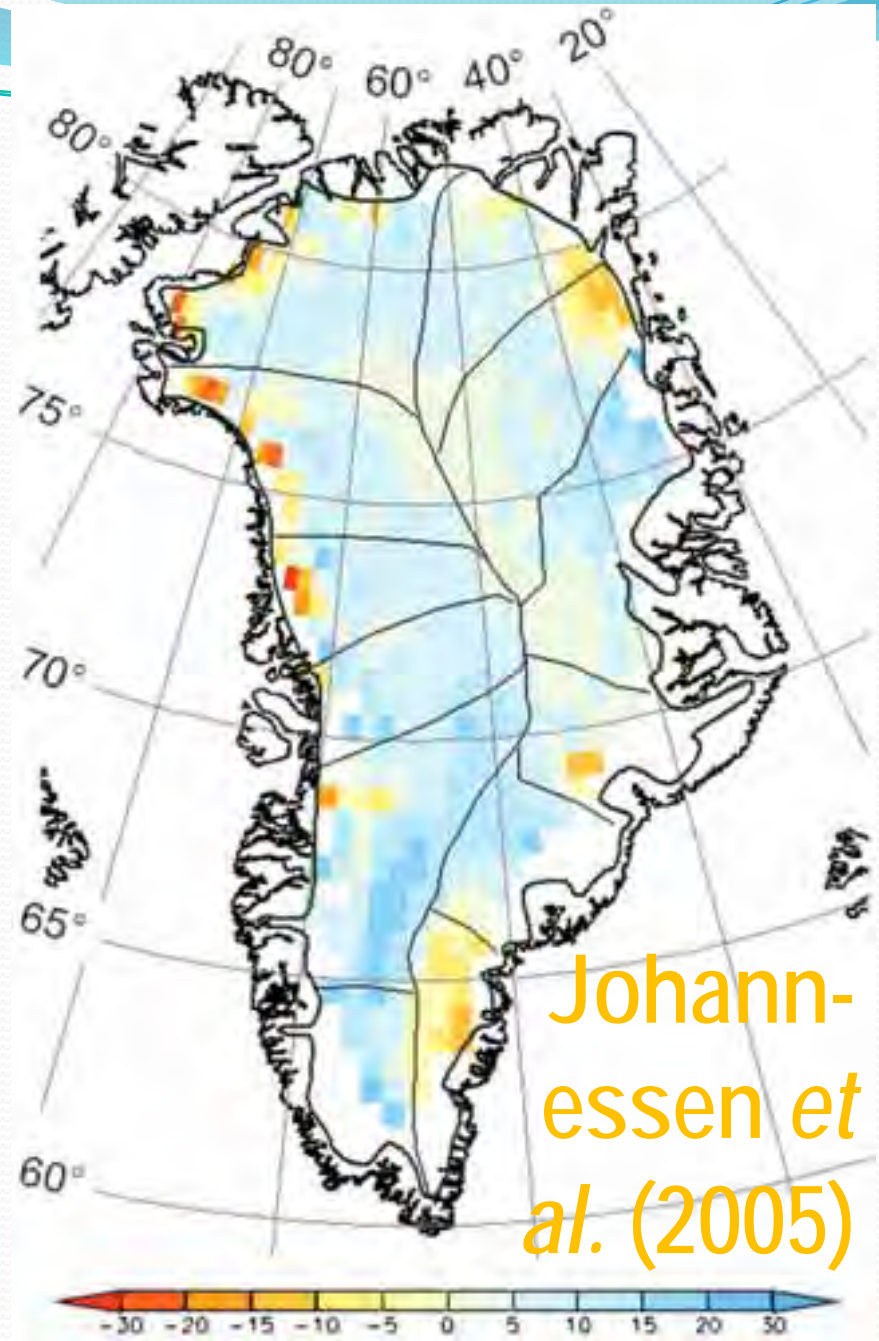






# Greenland ice sheet is just fine

**“Colors indicate ice-sheet elevation change rate in cm/year ... from ... satellite altimeter data, 1992-2003. The spatially averaged increase is 5.4 ± 0.2 cm/year.”**





courtesy Harry Vanderham



Greenland April 1998

Photo by Karl Andreassen

*DYE-2 proud of the ice in 1966 ...*

*... and surrounded by it in 1998*



courtesy: Larry McConnell

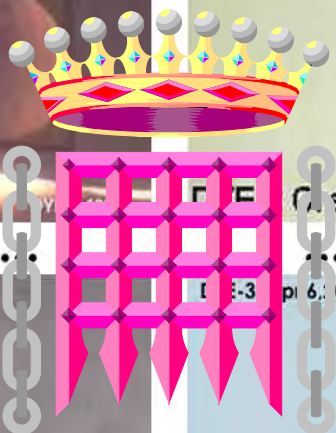


Photo by: Garry Quick

courtesy Lars Henrik Mortensen

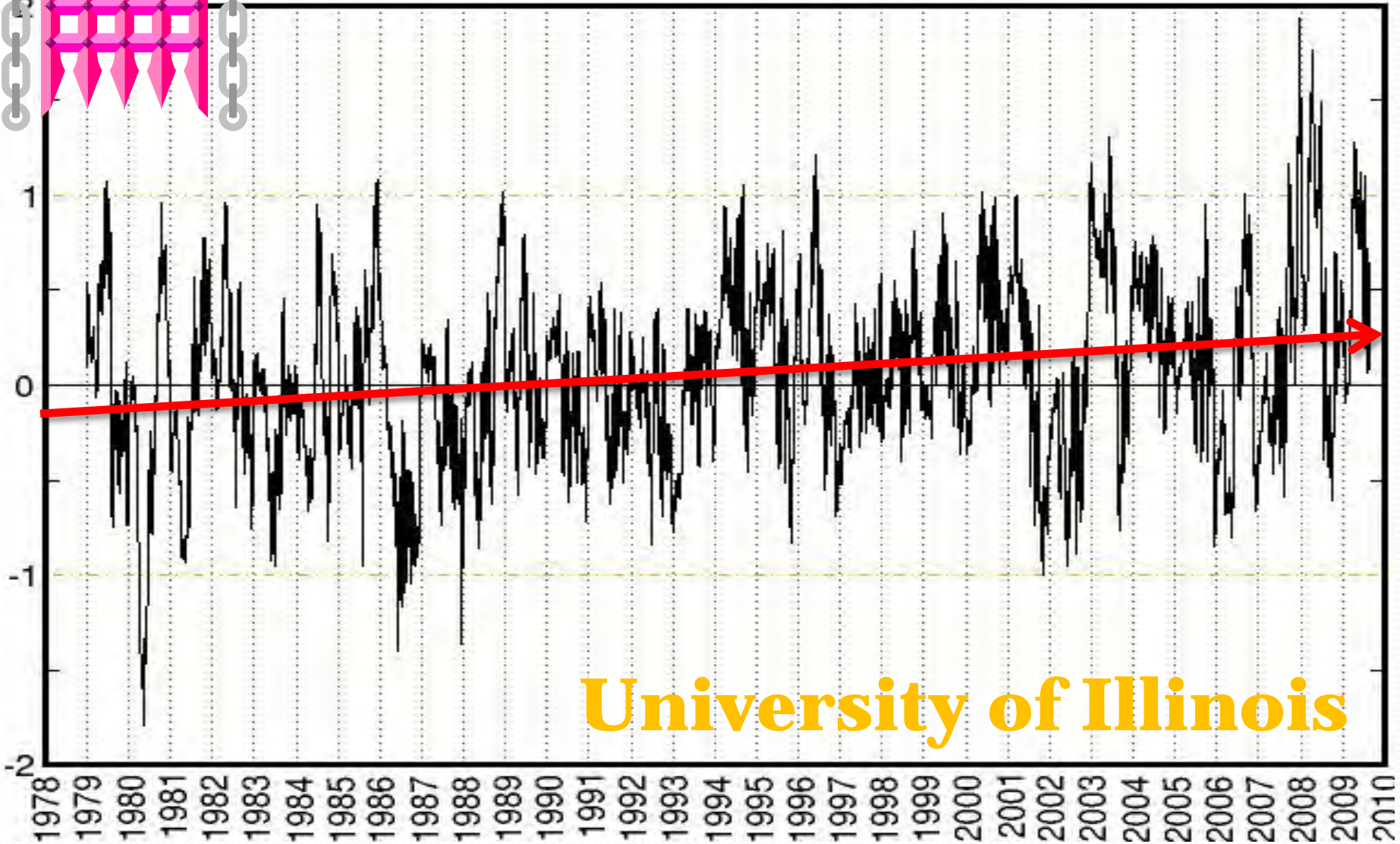
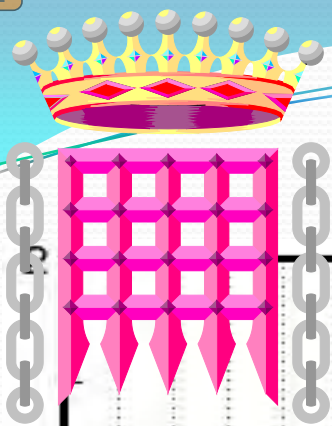
*DYE-3 on the ice surface in 1972 ...*

*... and engulfed by it in 2006*





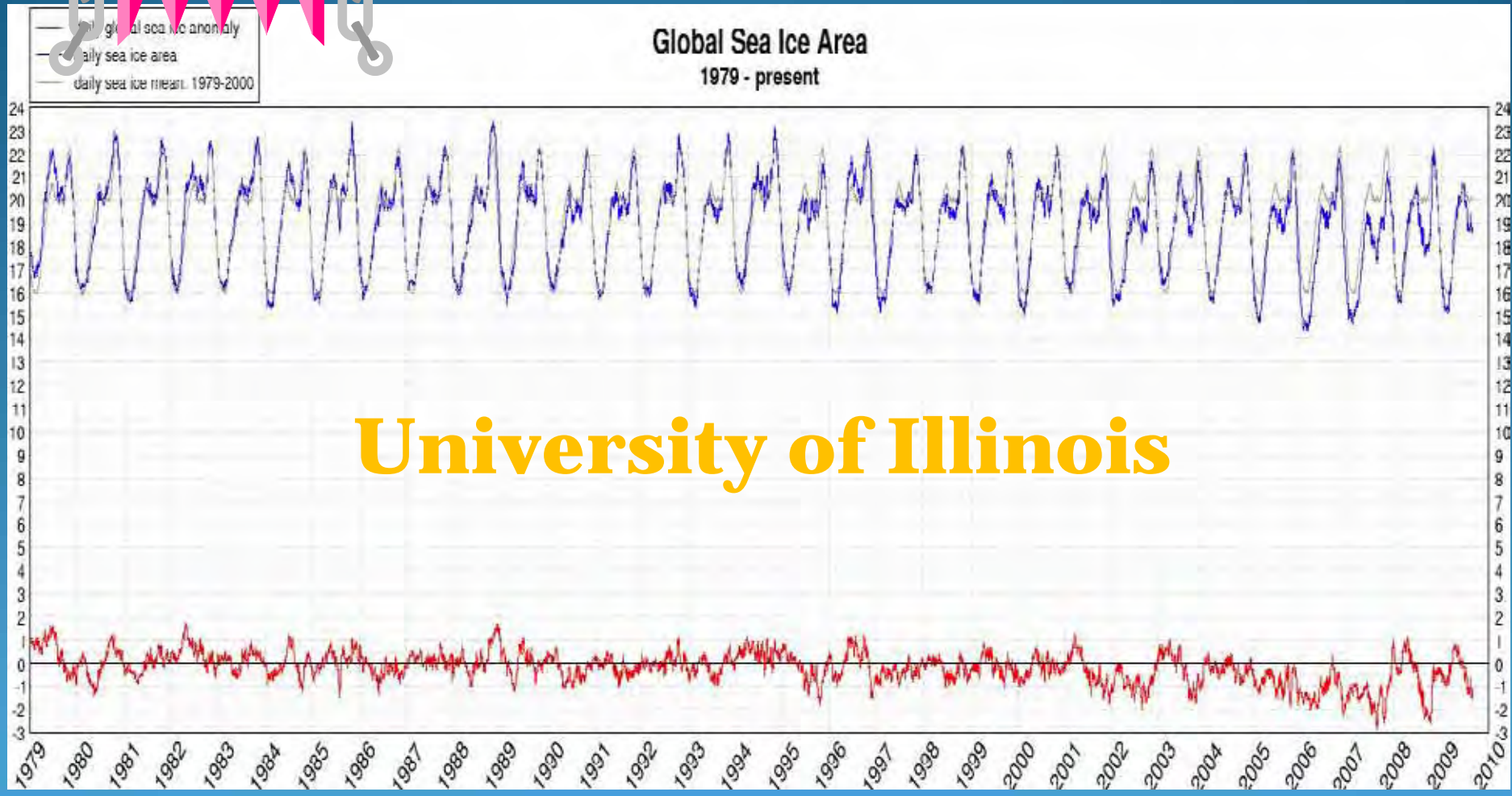
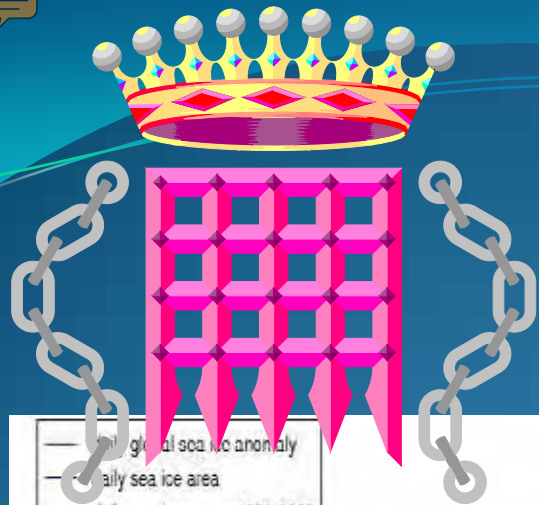
# Antarctic sea ice is just fine



University of Illinois

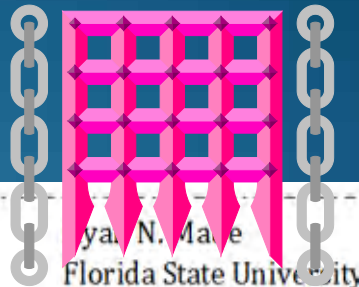
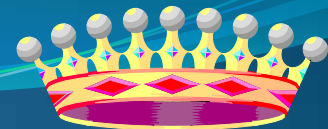


# Global sea ice: is just fine: a 30yr heartbeat

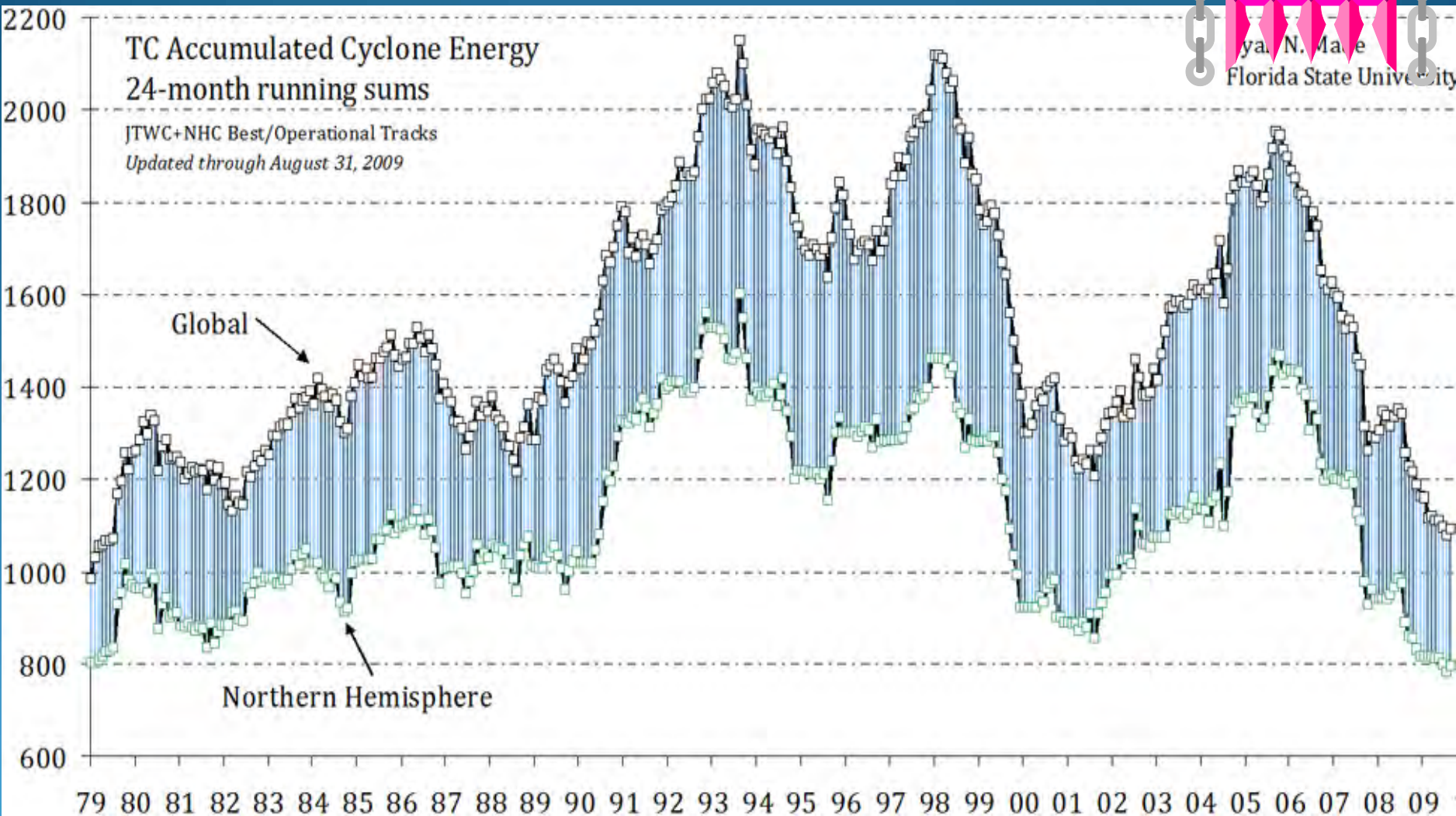


**University of Illinois**

# Hurricanes – just fine



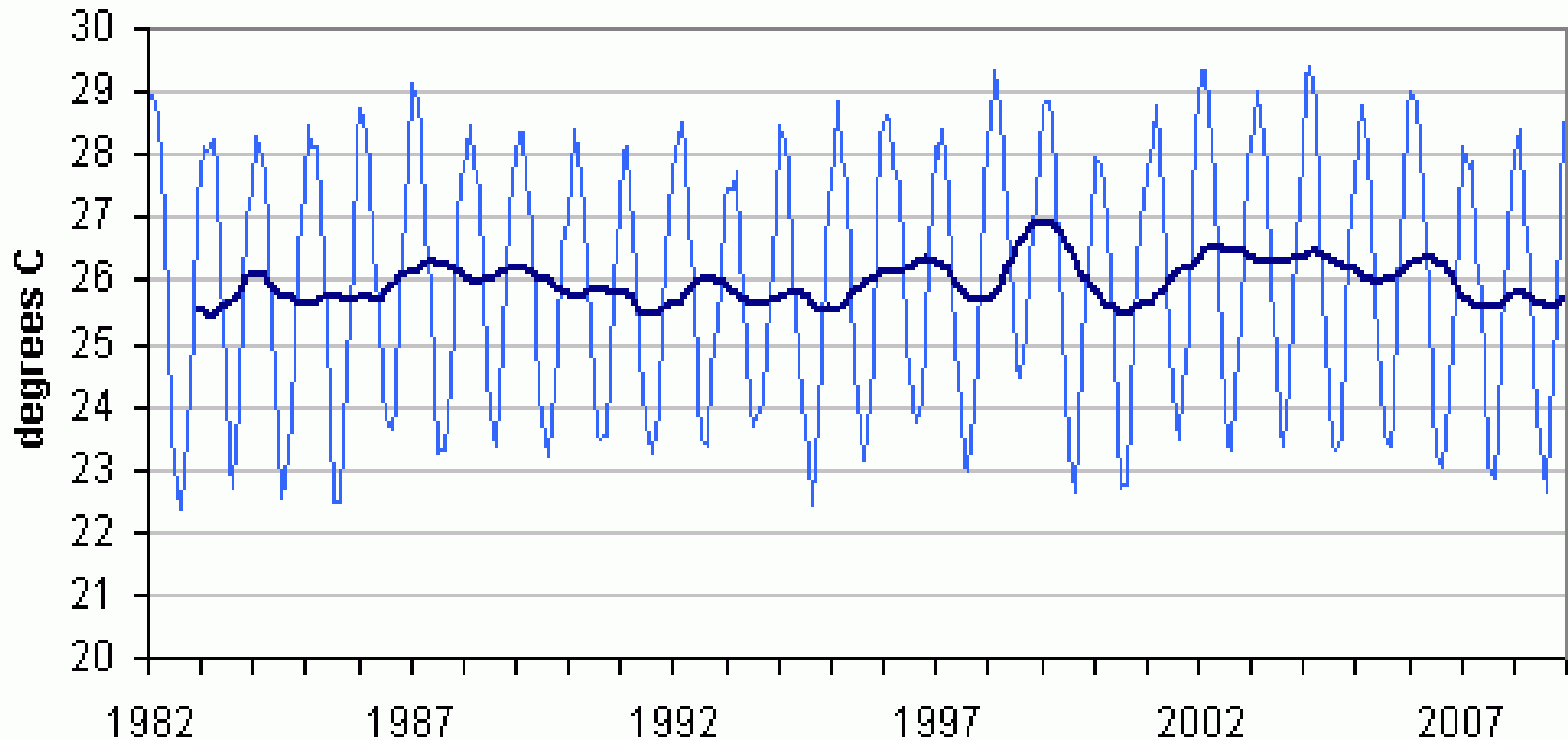
ya, N. Ma e  
Florida State University

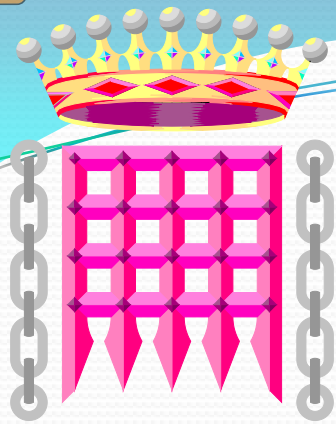


# Barrier Reef is just fine

GBR Marine Park - Av. Sea Surface Temps

— Monthly      — 12-month running average





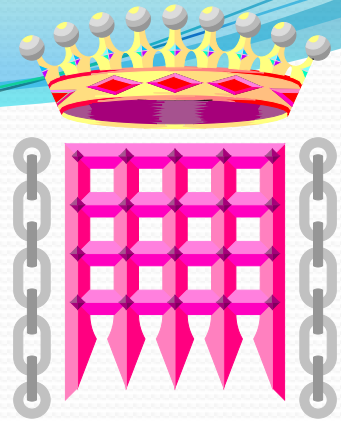
# CHAOS!

**“In view of the inevitable inaccuracy and incompleteness of weather observations, precise, very-long-range weather forecasting would seem to be non-existent.”**

**Lorenz (1963)**

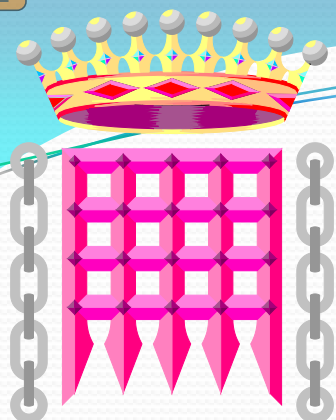


**“No super-computer, however powerful, is able to prove definitively a simplistic hypothesis that says the greenhouse effect is responsible for warming.”**



**Syun-Ichi Akasofu**



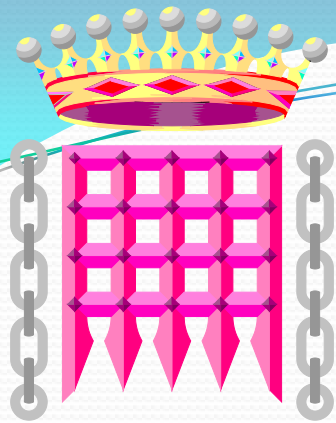


# Garbage in, garbage out!

High climate sensitivity  
is an ***input to*** the models,  
not an ***output from*** them:

The models are tuned to assume a  
high climate sensitivity, so a high  
climate sensitivity is what they find.

**Akasofu (2008)**



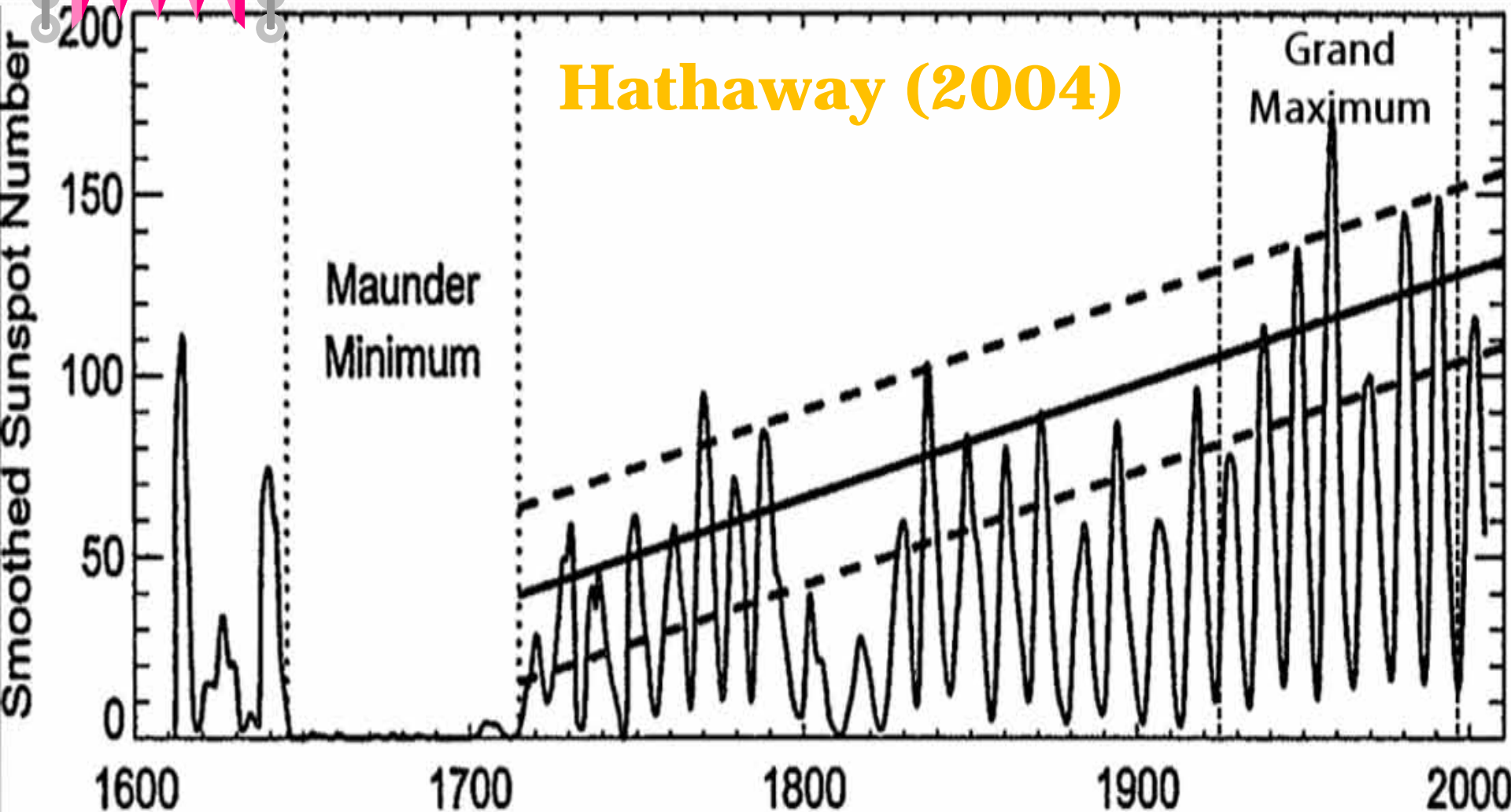
# ... and the last word on climate modeling

**“In climate research and modeling, we should recognize that we are dealing with a coupled non-linear chaotic system, and therefore that the long-term prediction of future climate states is not possible.”**

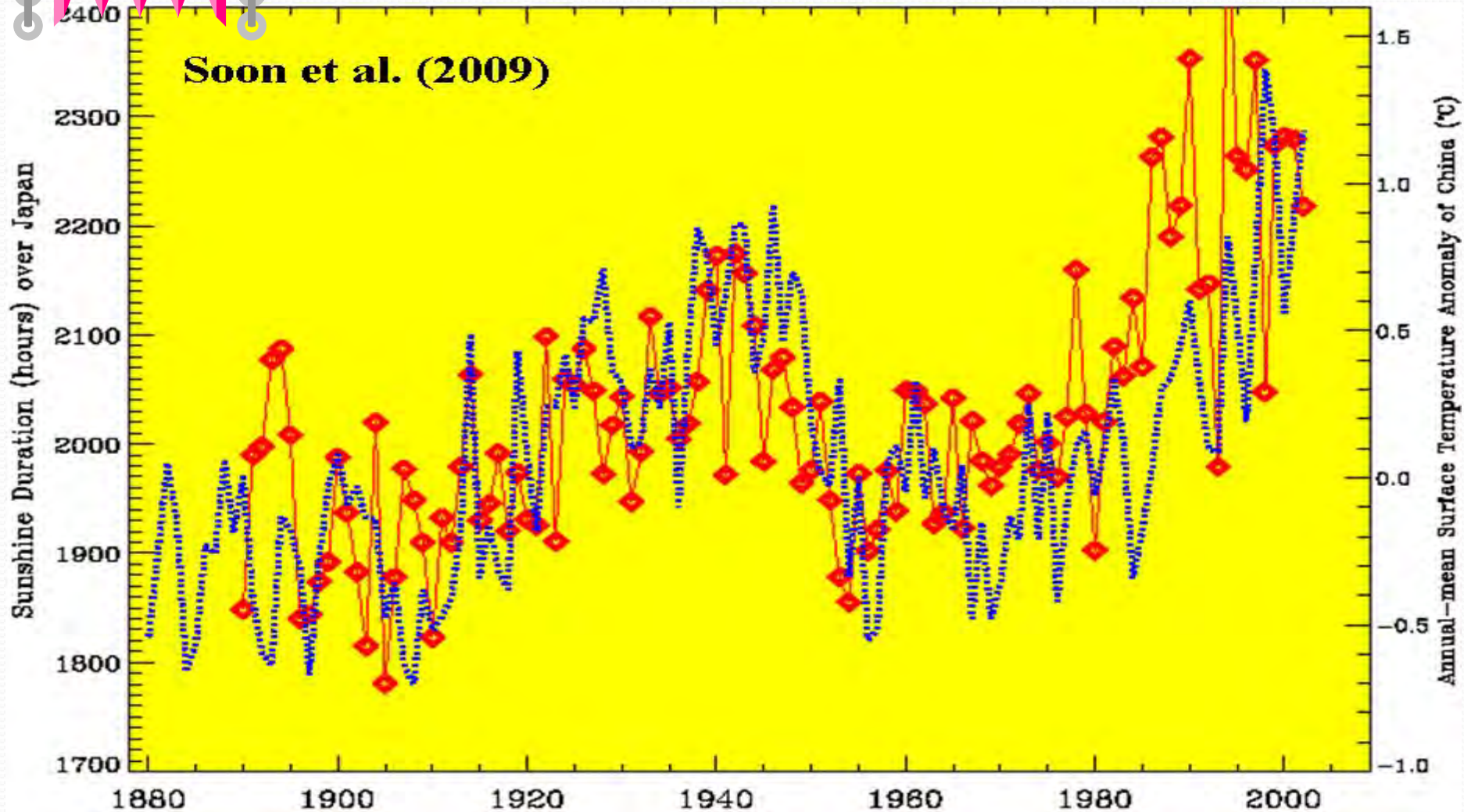
**IPCC (2001)**

# Grand Minimum to Grand Maximum: 300 years' warming

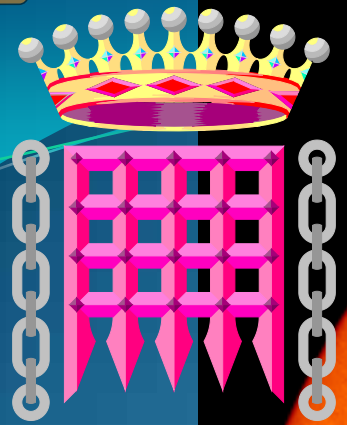
Hathaway (2004)



# Solar radiance at the surface vs. mean surface temperature







**Solar changes  
cause most climate change**

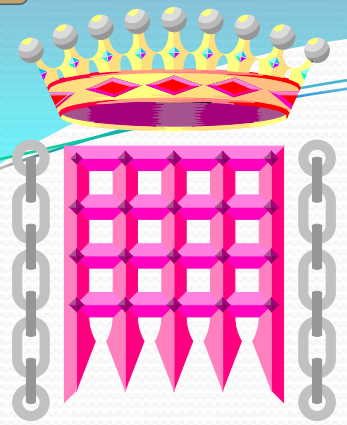
**The Sun caused  
today's global warming**

**Today's warming is normal,  
not unusual**

**Today's global warming  
will end soon**

**IAU  
(2004)**





**CO<sub>2</sub> is only  
a trace gas**

**CO<sub>2</sub> in the atmosphere  
as % by volume**

**1750**

**0.03%**

**2009**

**0.04%**

**Change**

**+0.01%**

# How ARGO buoys work

8. Data sent to weather and climate forecasting centres around the world, such as the Met Office in the UK

1. Float deployed by ship or aircraft

2. Slow descent to 2000 metres  
6 hours at 10 cm/s

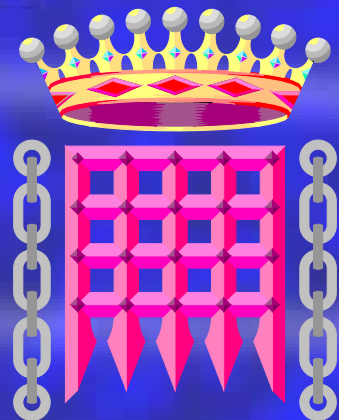
3. Drift for 9 days with  
ocean currents

5. Temperature & salinity profile  
recorded during ascent

4. Oil pumped from internal  
reservoir to inflate external  
bladder causing float to rise

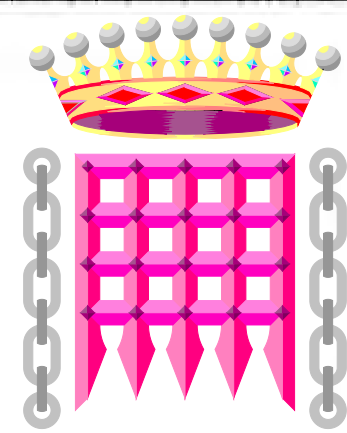
6. Up to 12 hours at surface to  
transmit data to satellite

7. Oil pumped back to internal reservoir  
New cycle begins

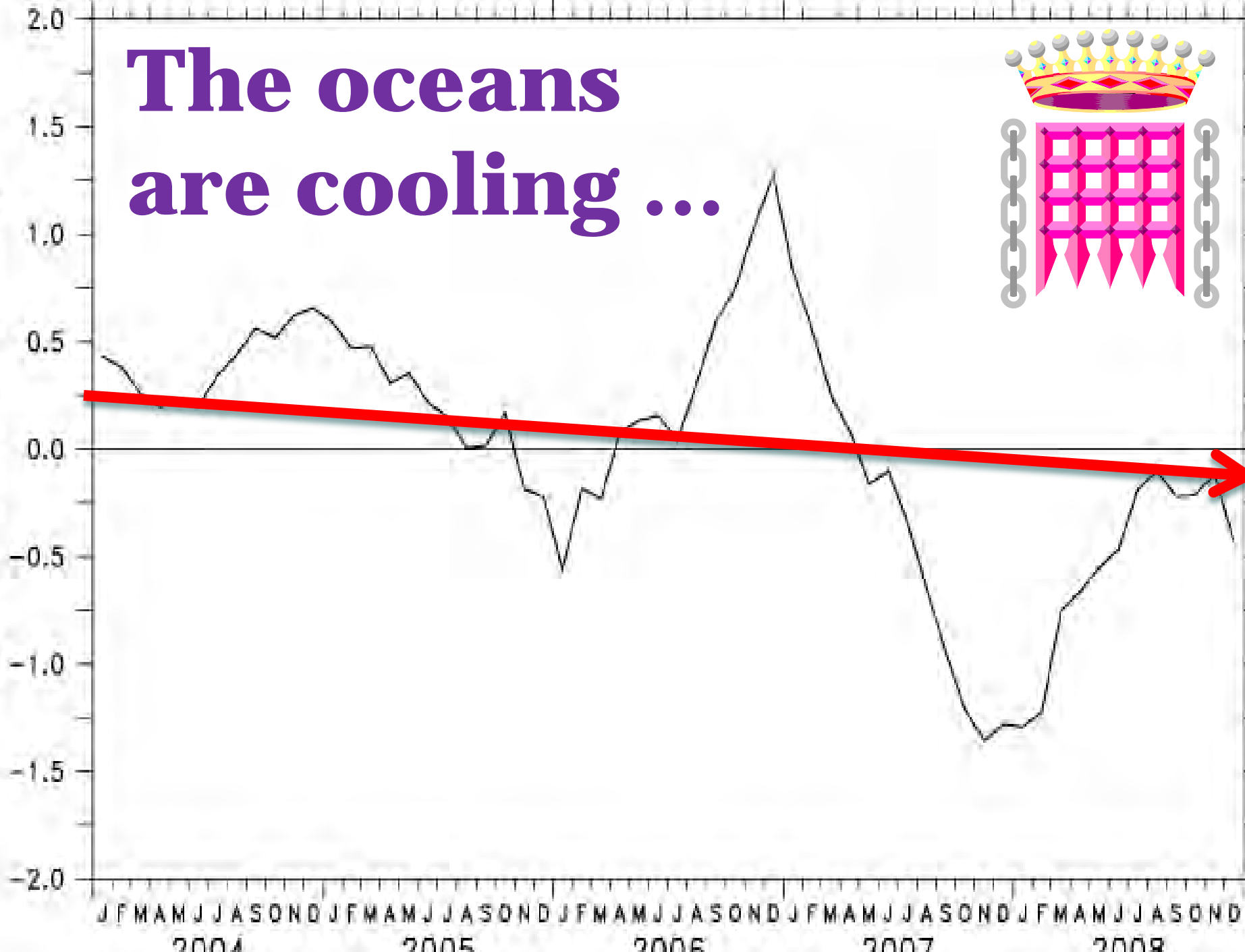




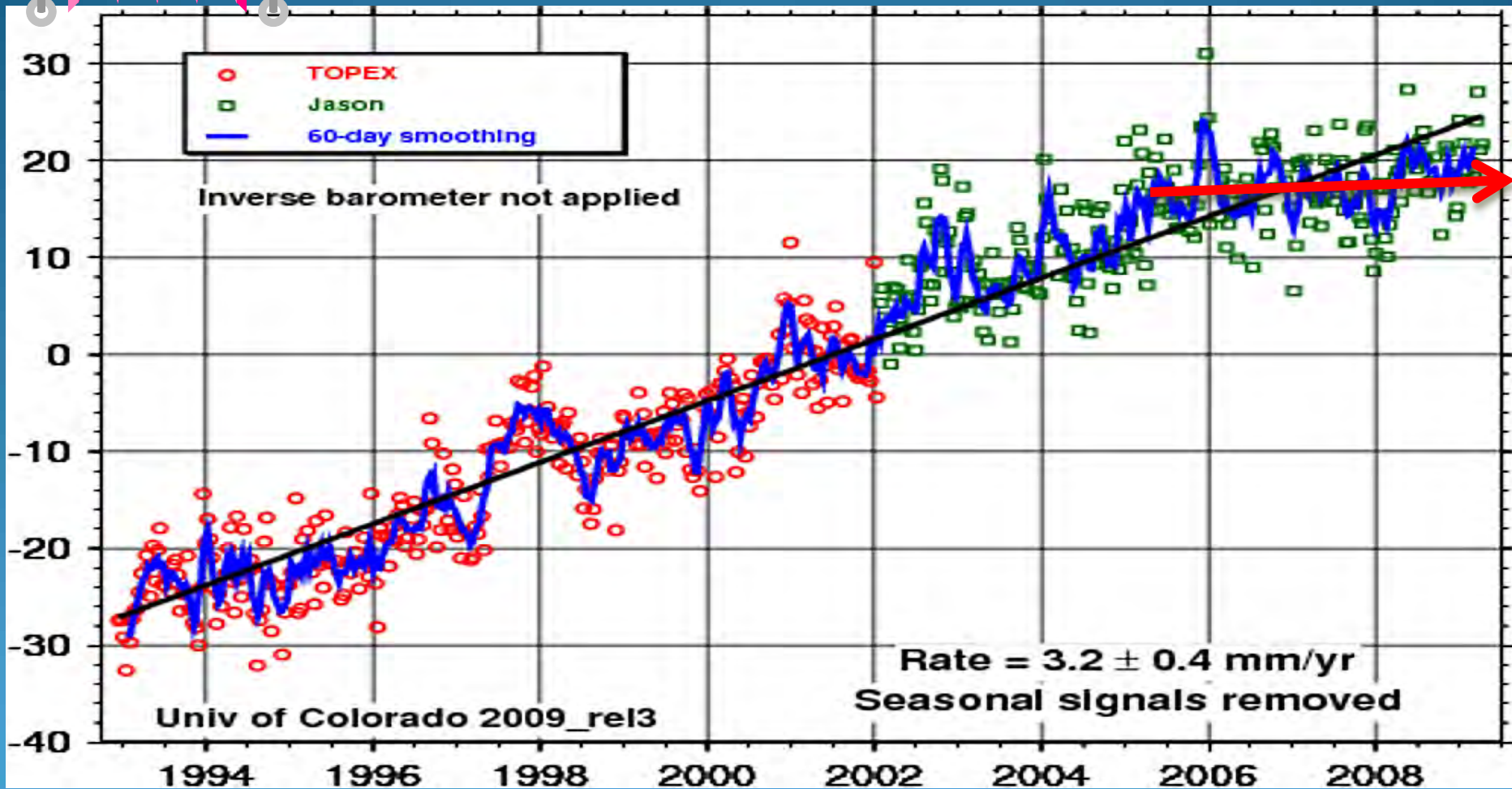
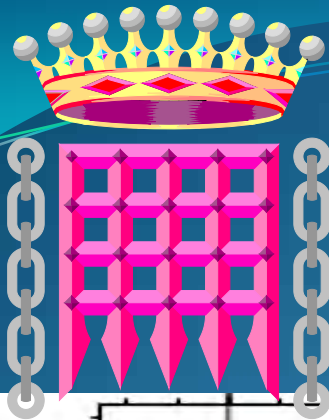
# The oceans are cooling ...



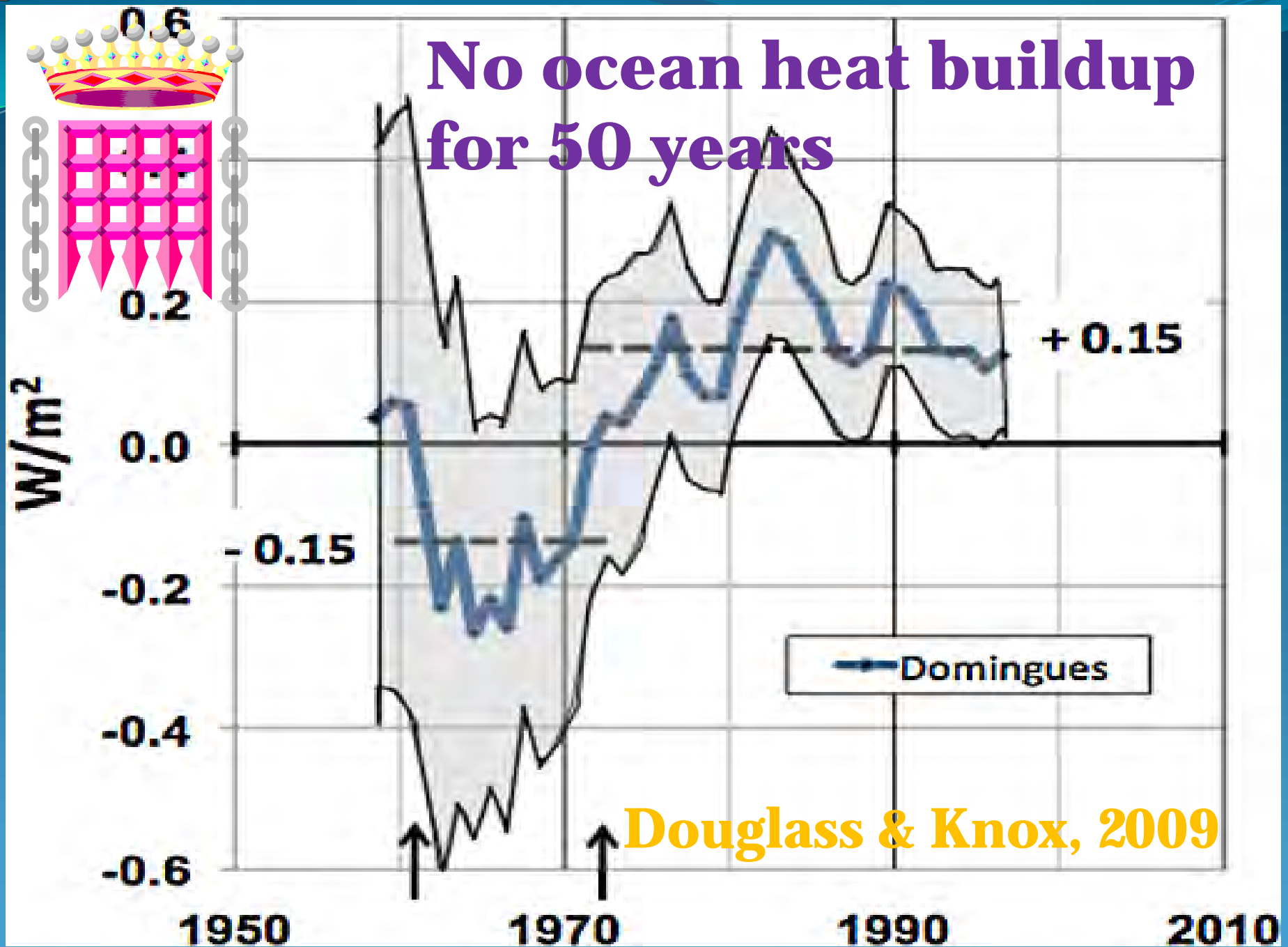
Argo SST Nino-3.4 Anomaly



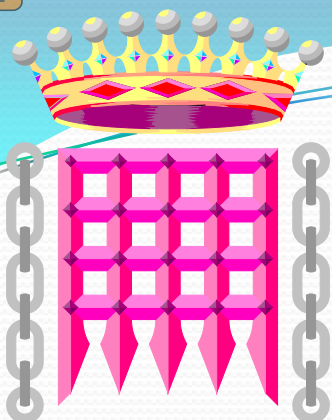
... so sea level has not risen for four years



# No ocean heat buildup for 50 years

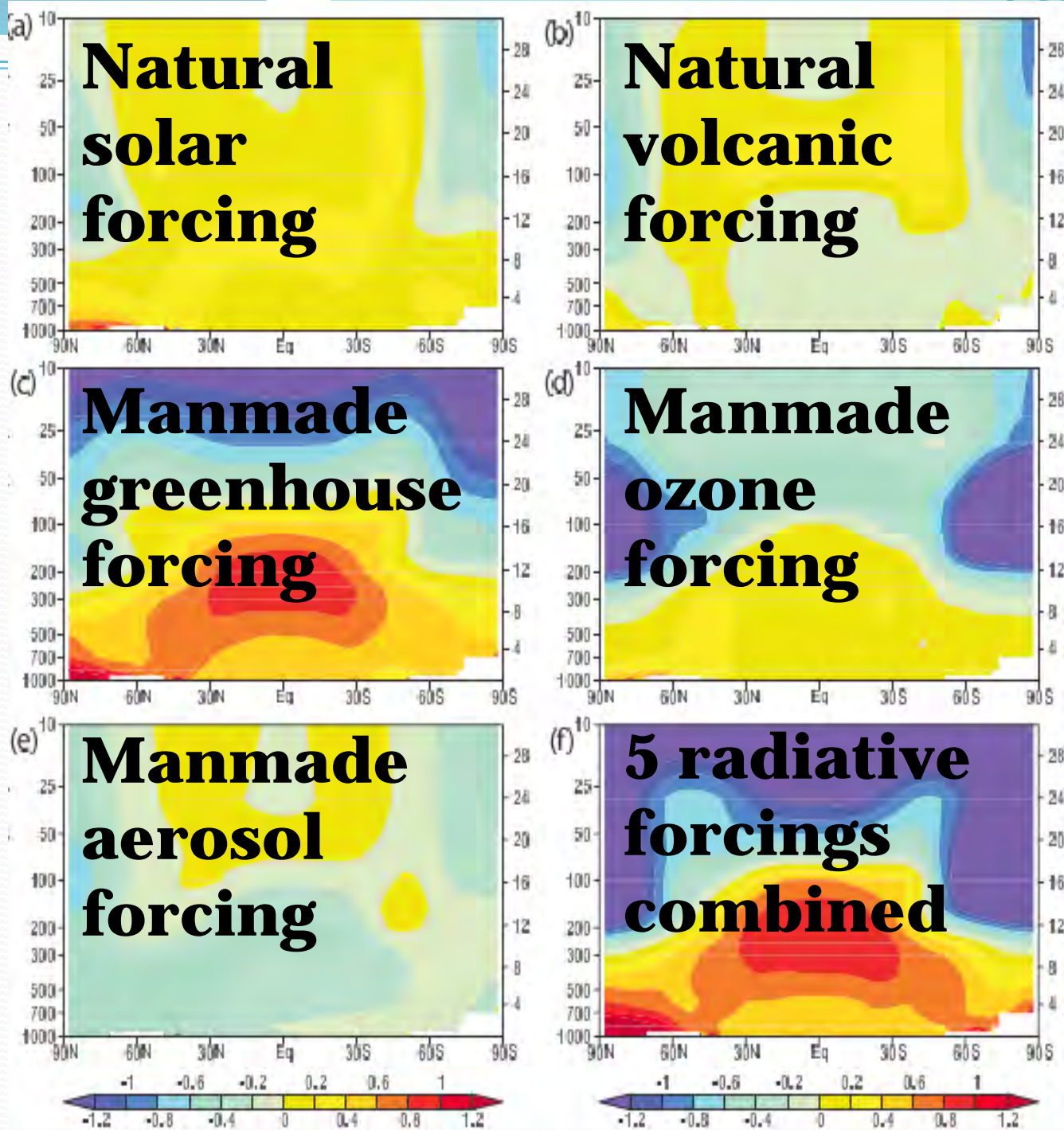


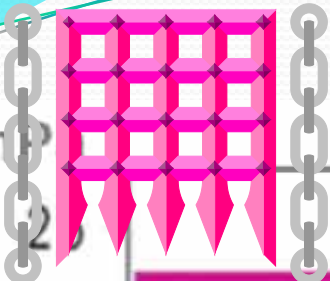
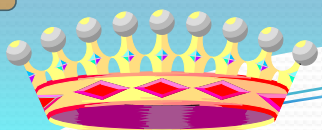




# Spot the 'hot spot'

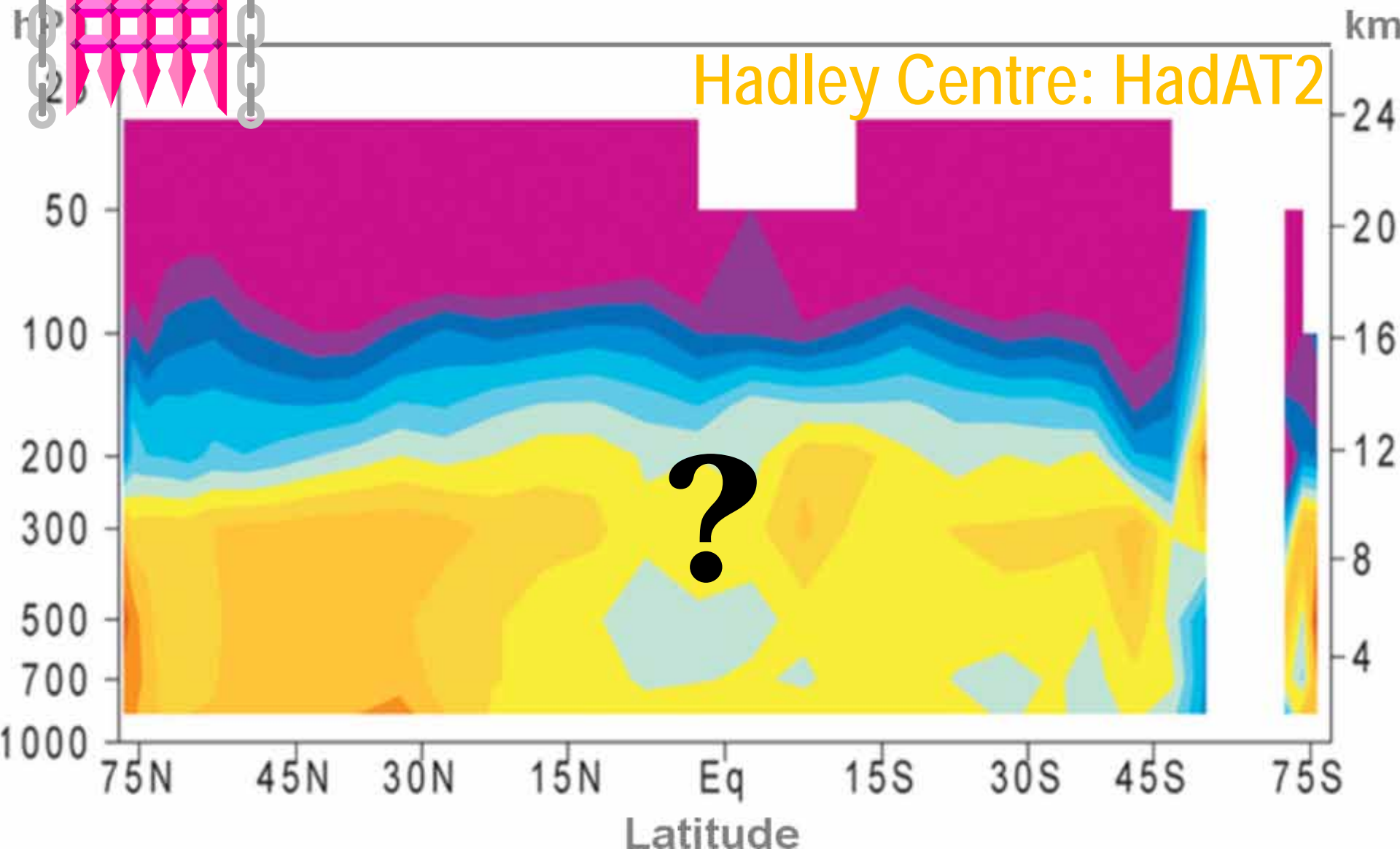
IPCC (2007)



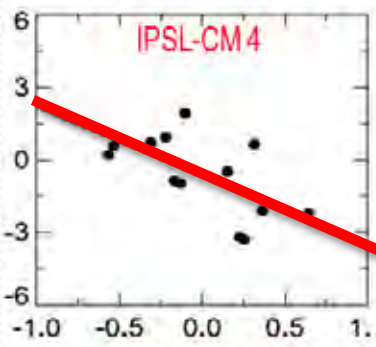
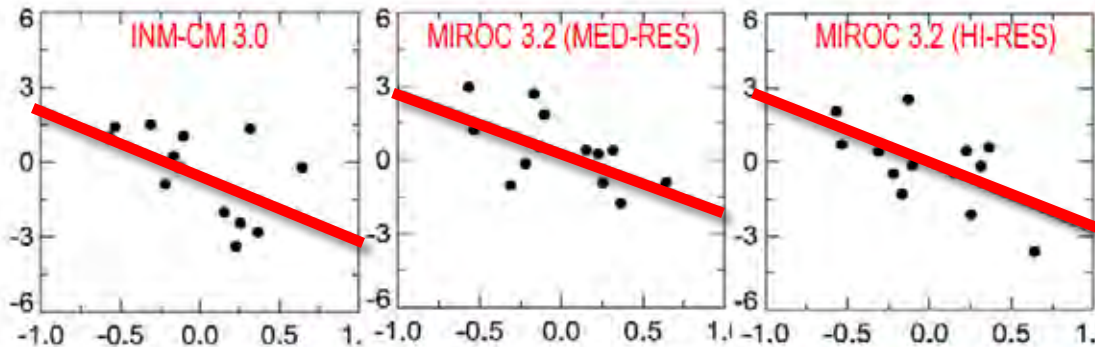


# but it is not there:

Hadley Centre: HadAT2



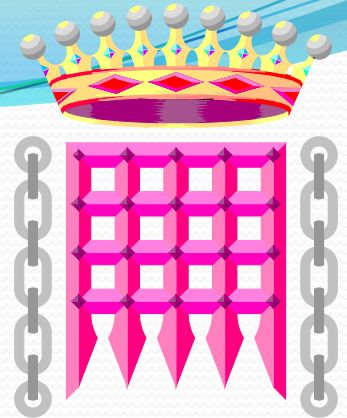
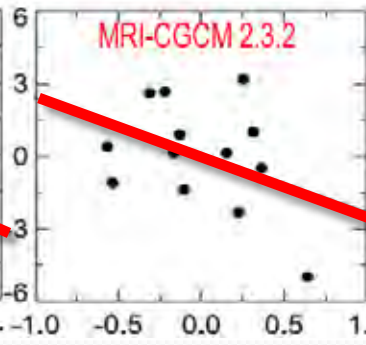
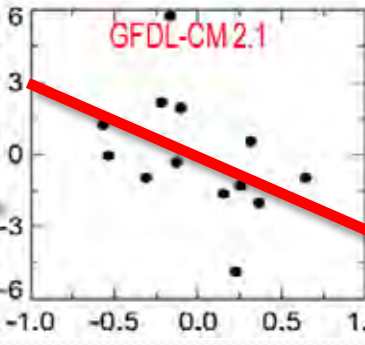
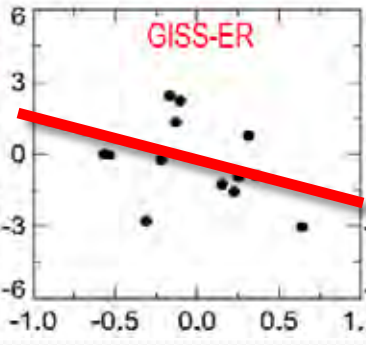
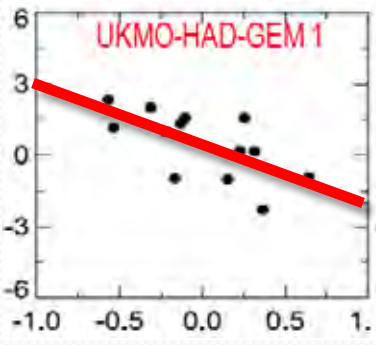
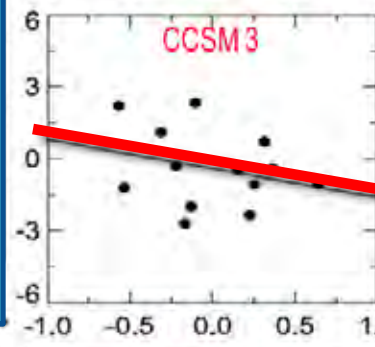
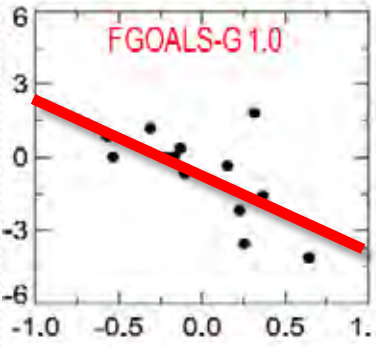
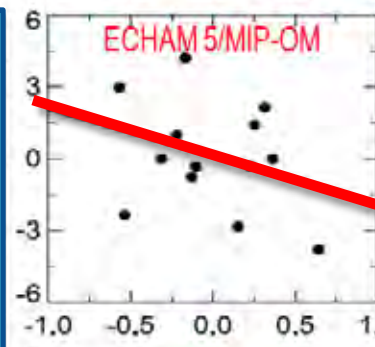
Lindzen  
& Choi  
(2009)



$\Delta F_{TOA}$  ( $W m^{-2}$ )

**11 models**

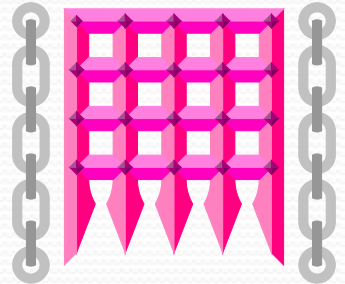
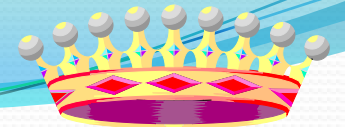
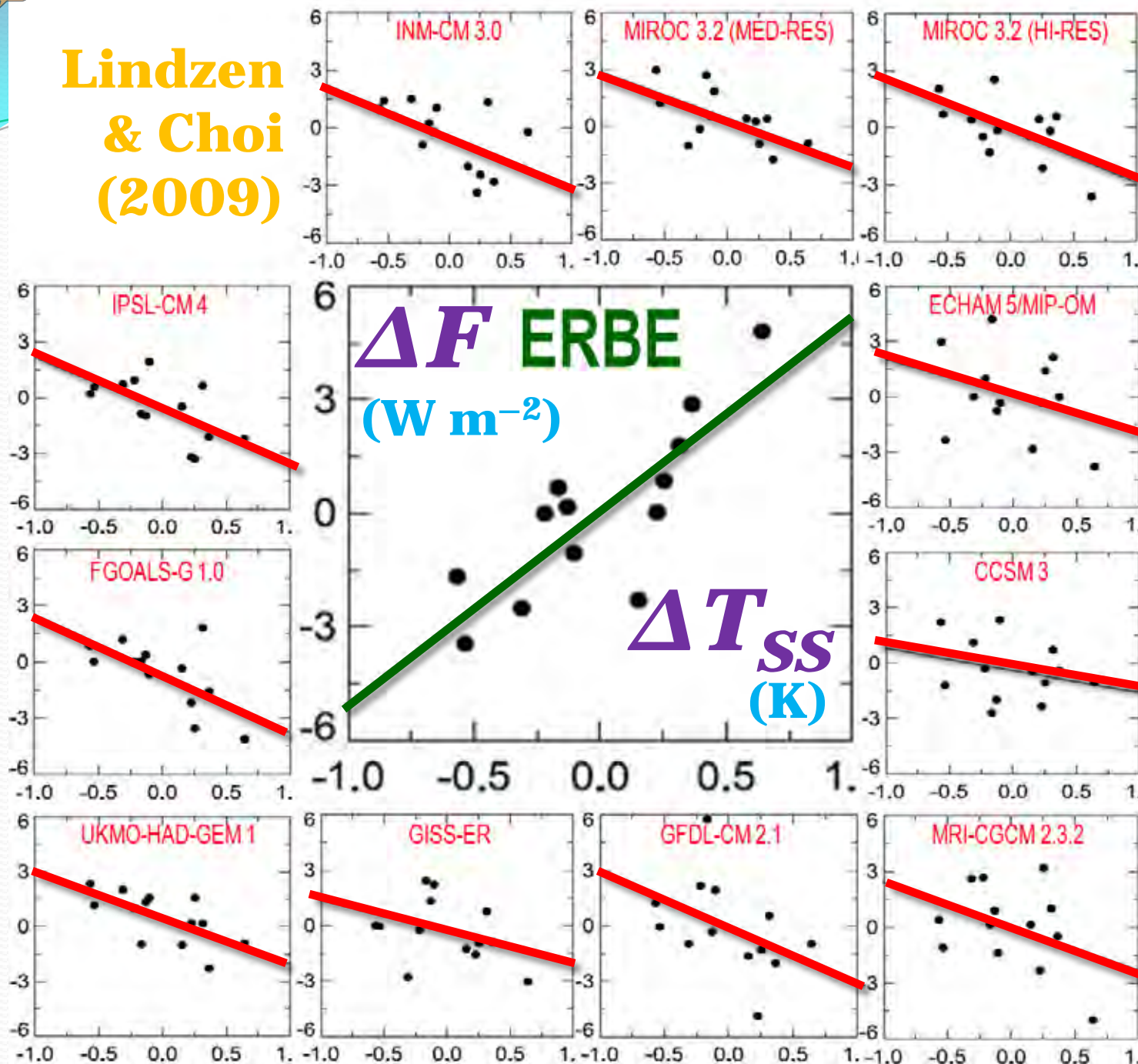
$\Delta T_{SS}$  (K)



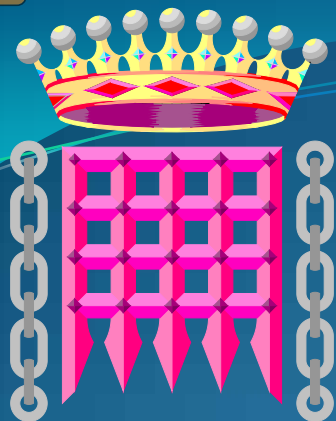
**Predicted**  
ratio of  
warming  
to change  
in  
outgoing  
radiation



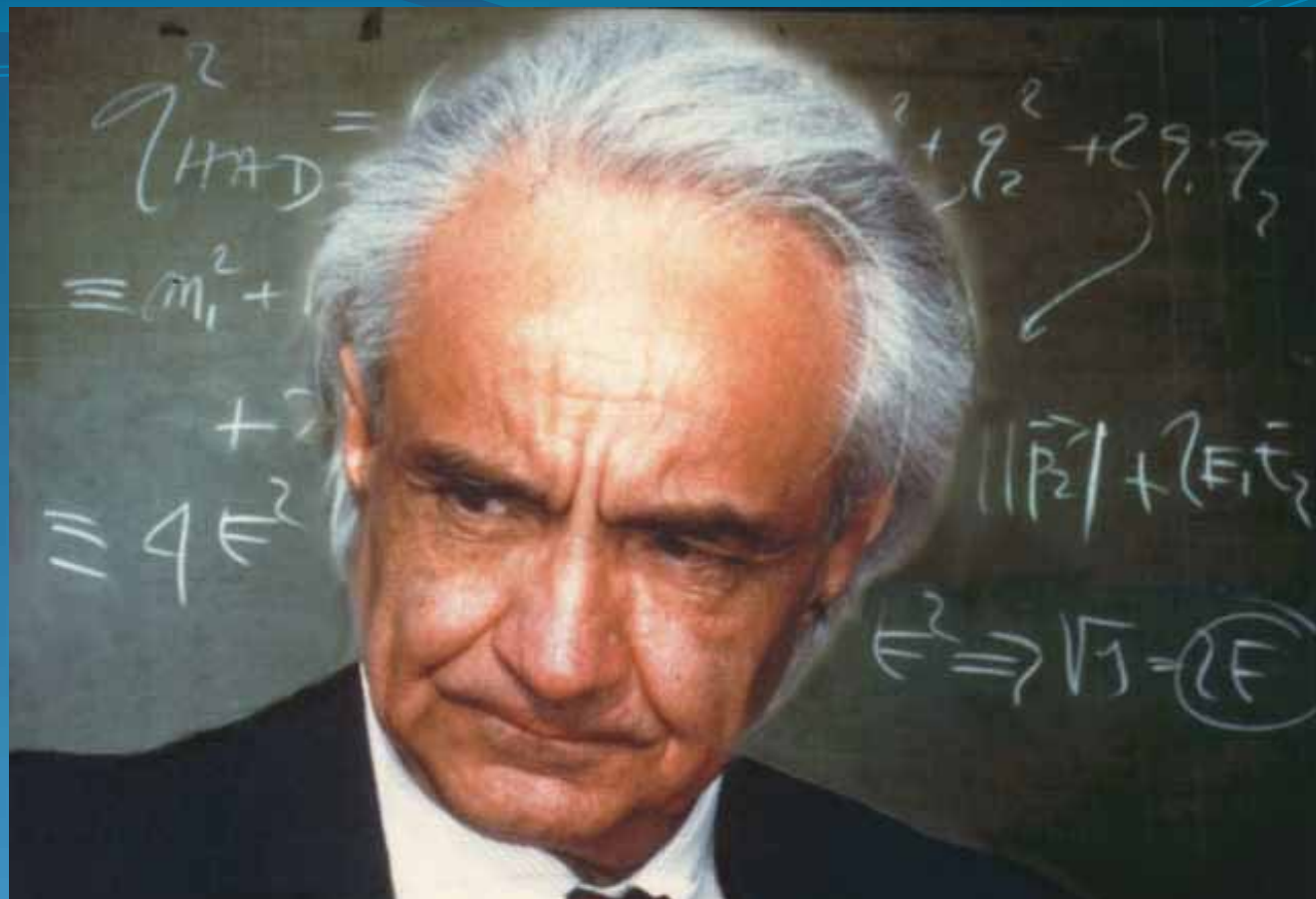
Lindzen  
& Choi  
(2009)



Observed  
versus  
predicted  
ratio of  
warming  
to change  
in  
outgoing  
radiation

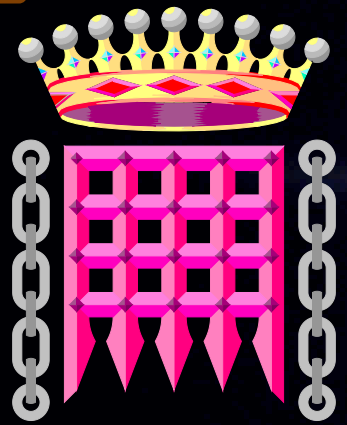


## Professor Antonino Zichichi



**“It is not possible to exclude the possibility that the observed phenomena may have natural causes. It may be that man has little or nothing to do with it.”**

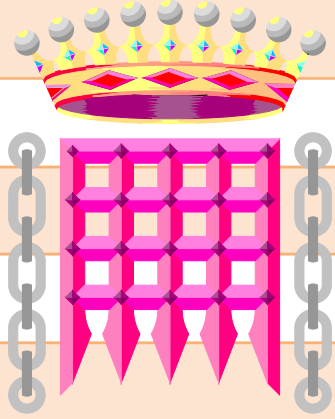




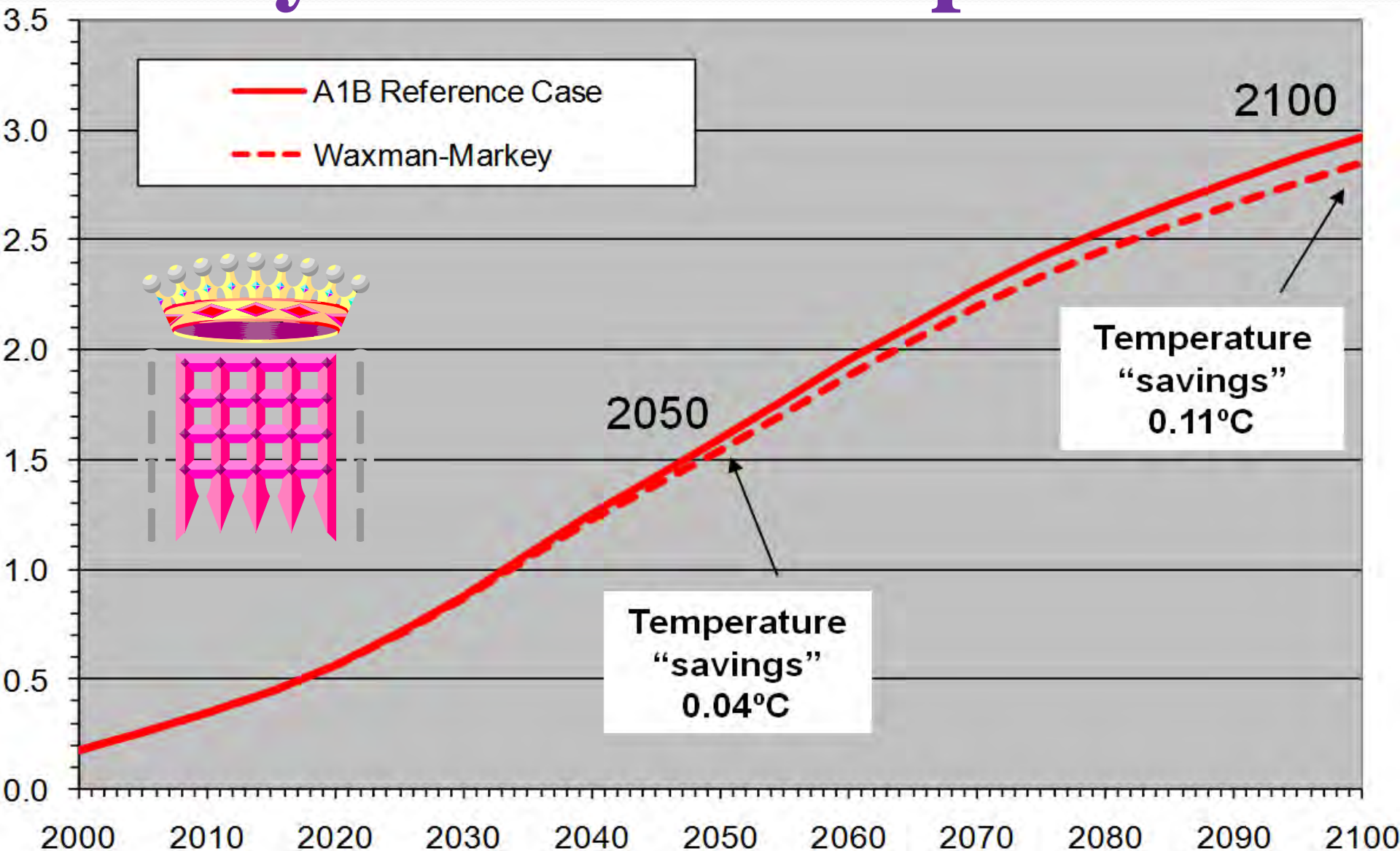
# IPCC admits ...

**“Climate has always varied on all time-scales, so the observed changes may be natural.”**

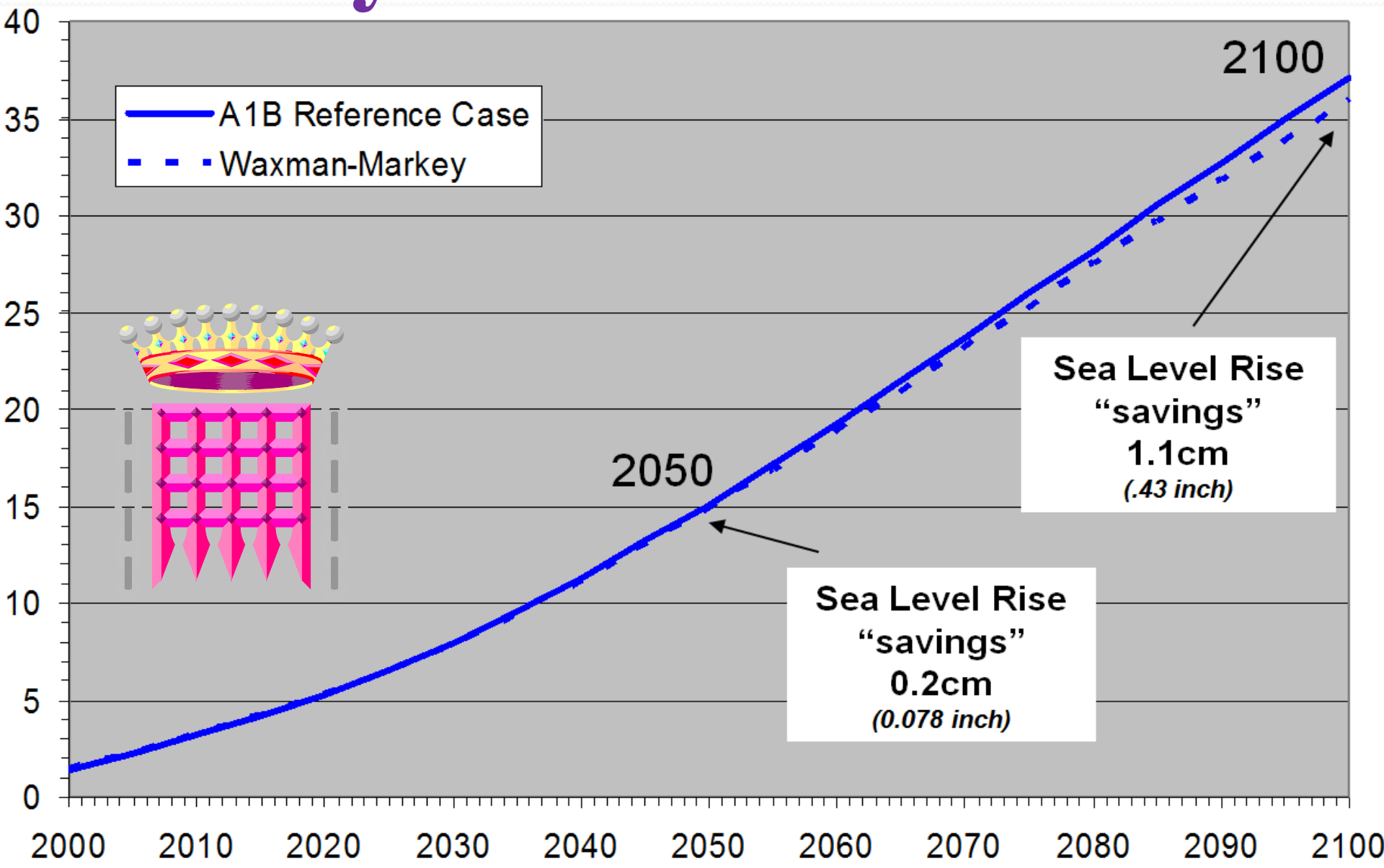
# Pointless trillions

Waxman/Markey Climate Bill	The facts and figures	
CO <sub>2</sub> concentration in 2100 [A2]	836 ppmv	
– CO <sub>2</sub> concentration in 2000	368 ppmv	
= 21 <sup>st</sup> -century CO <sub>2</sub> increase	468 ppmv	
/ 21 <sup>st</sup> -century warming [A2]	3.4 C°	
= Concentration increase per C°	140 ppmv/C°	
x CO <sub>2</sub> emissions per ppmv	14,150 million tons CO <sub>2</sub>	
= Emissions cuts for 1 C° cooling	2 trillion tons CO <sub>2</sub>	
/ WaxKey emissions cuts/year	5 billion tons CO <sub>2</sub> /year	
= Years to prevent 1 C° warming	400 years	
x 100 years' warming [A2]	3.4 C°	
= Years to stop 100 years' warming	1360 years	
x \$180 billion/year WaxKey cost	<b>\$250 trillion</b>	

# Tiny effect on temperature

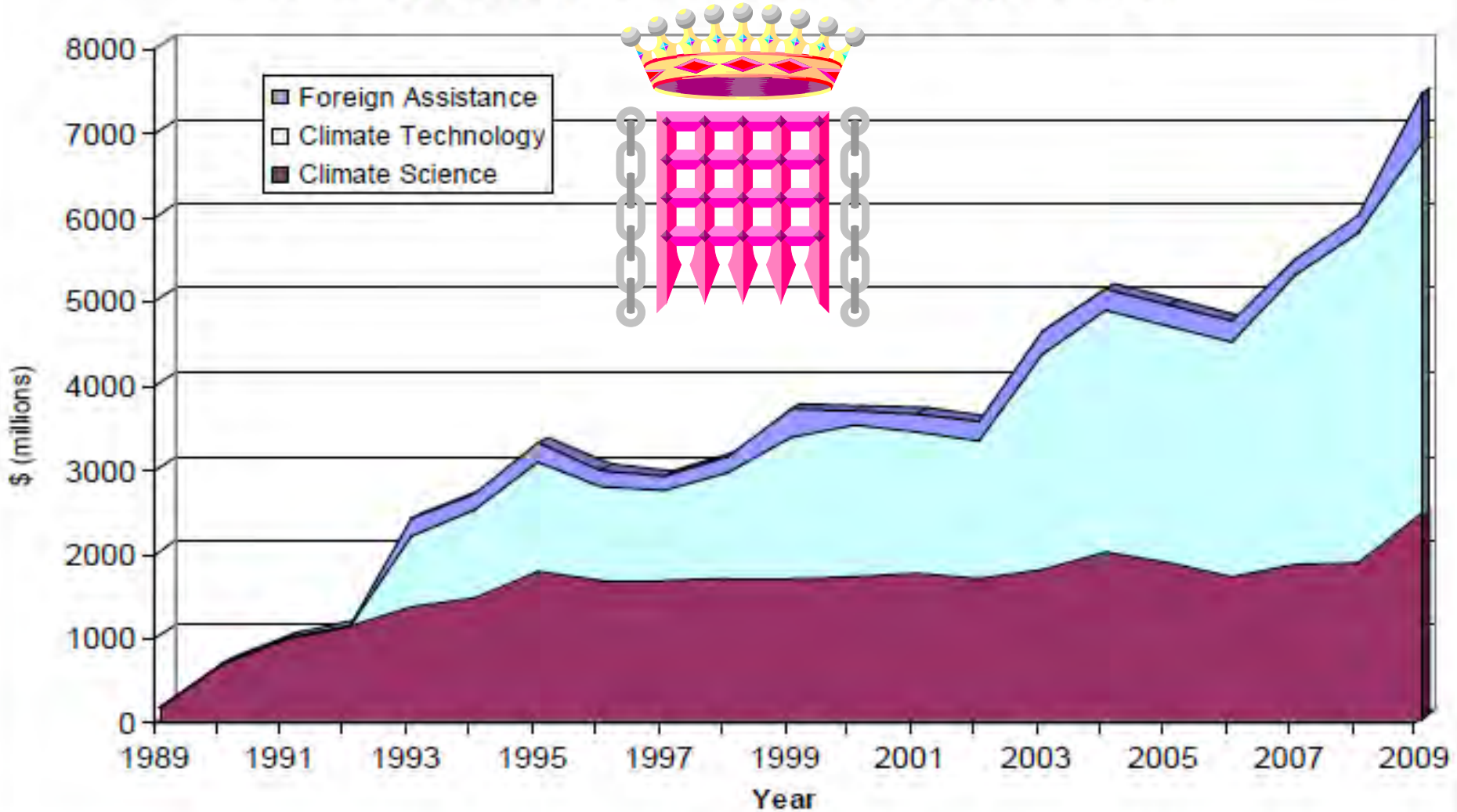


# Tiny effect on sea level

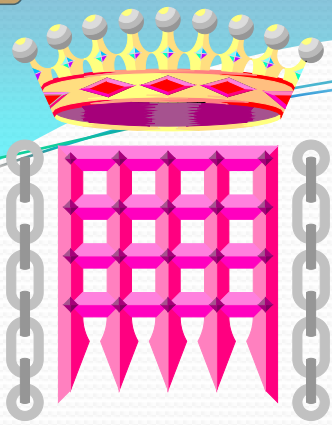


# \$80 billion squandered

US Government Climate-Related Expenditure







‘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.’



# OMNIS SPIRITVS LAVDET DOMINVM

