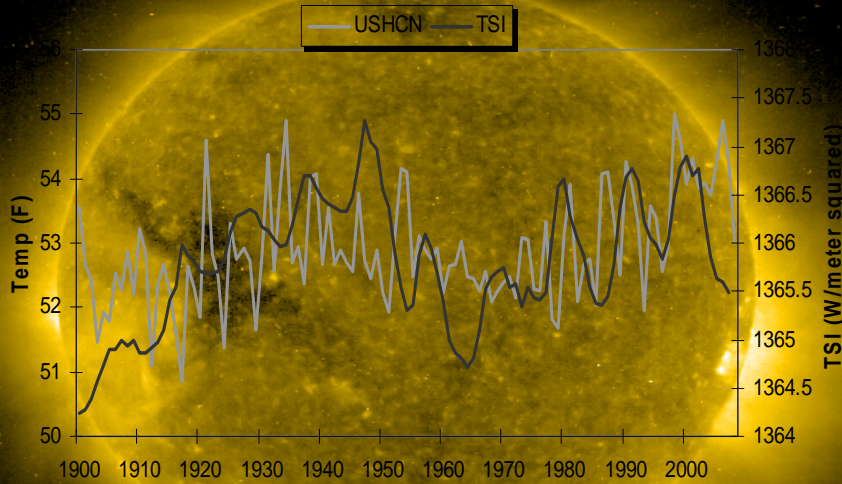
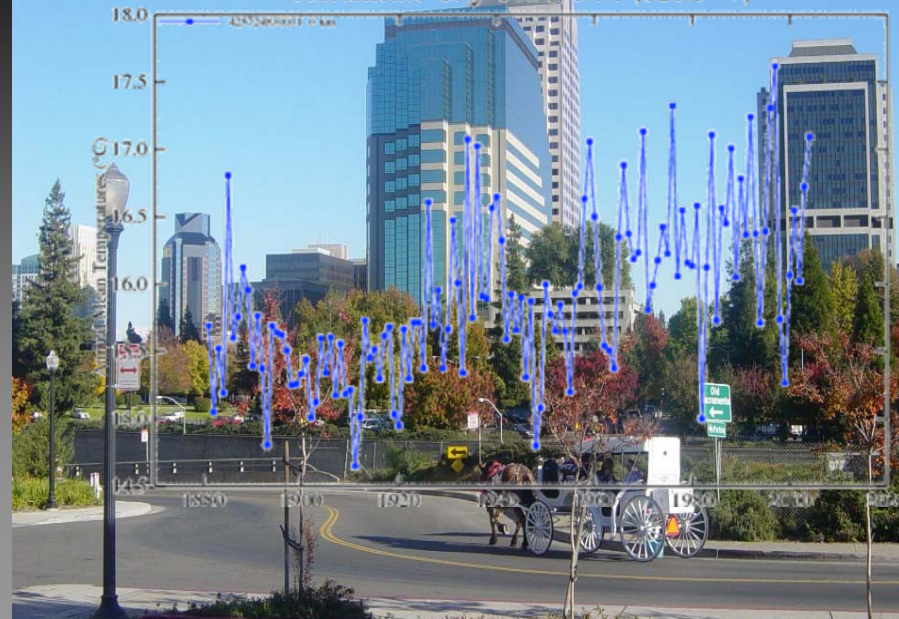


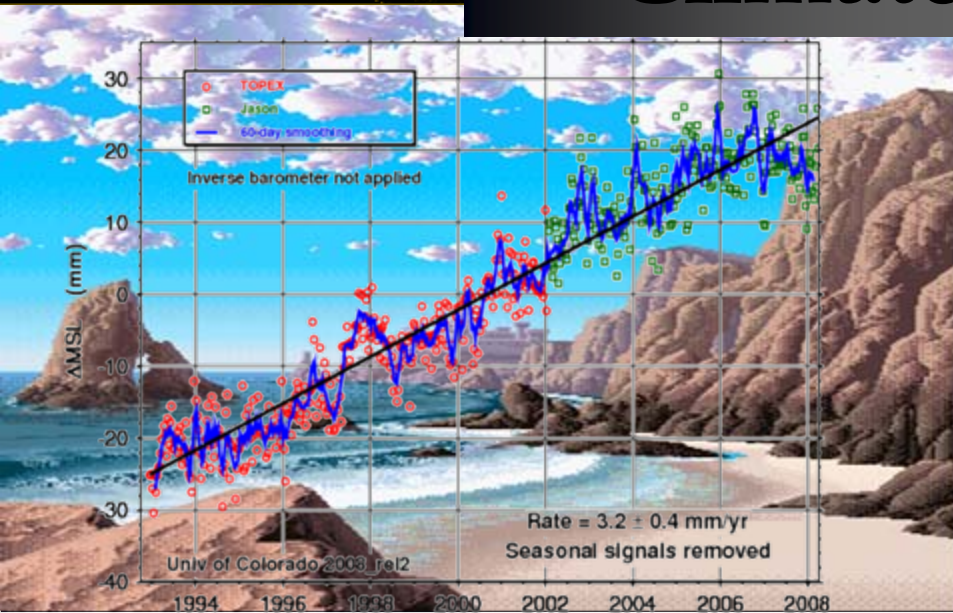
USHCN V2 Annual Temperatures vs TSI



Sacramento City Usa (38.6 N, 121.5 W)

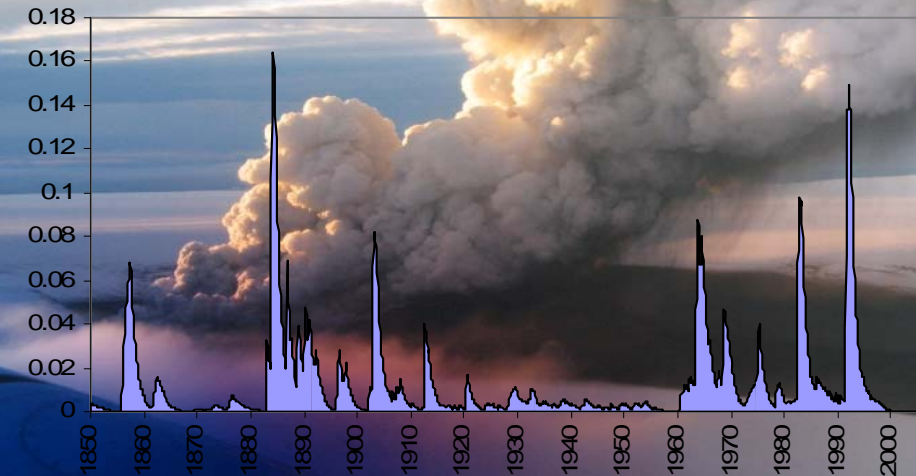


Climate Change



Volcanic Aerosol

(NASS GISS Aerosol Optical Thickness)





"Historically, the claim of consensus has been the first refuge of scoundrels; it is a way to avoid debate by claiming that the matter is already settled."

Michael Crichton

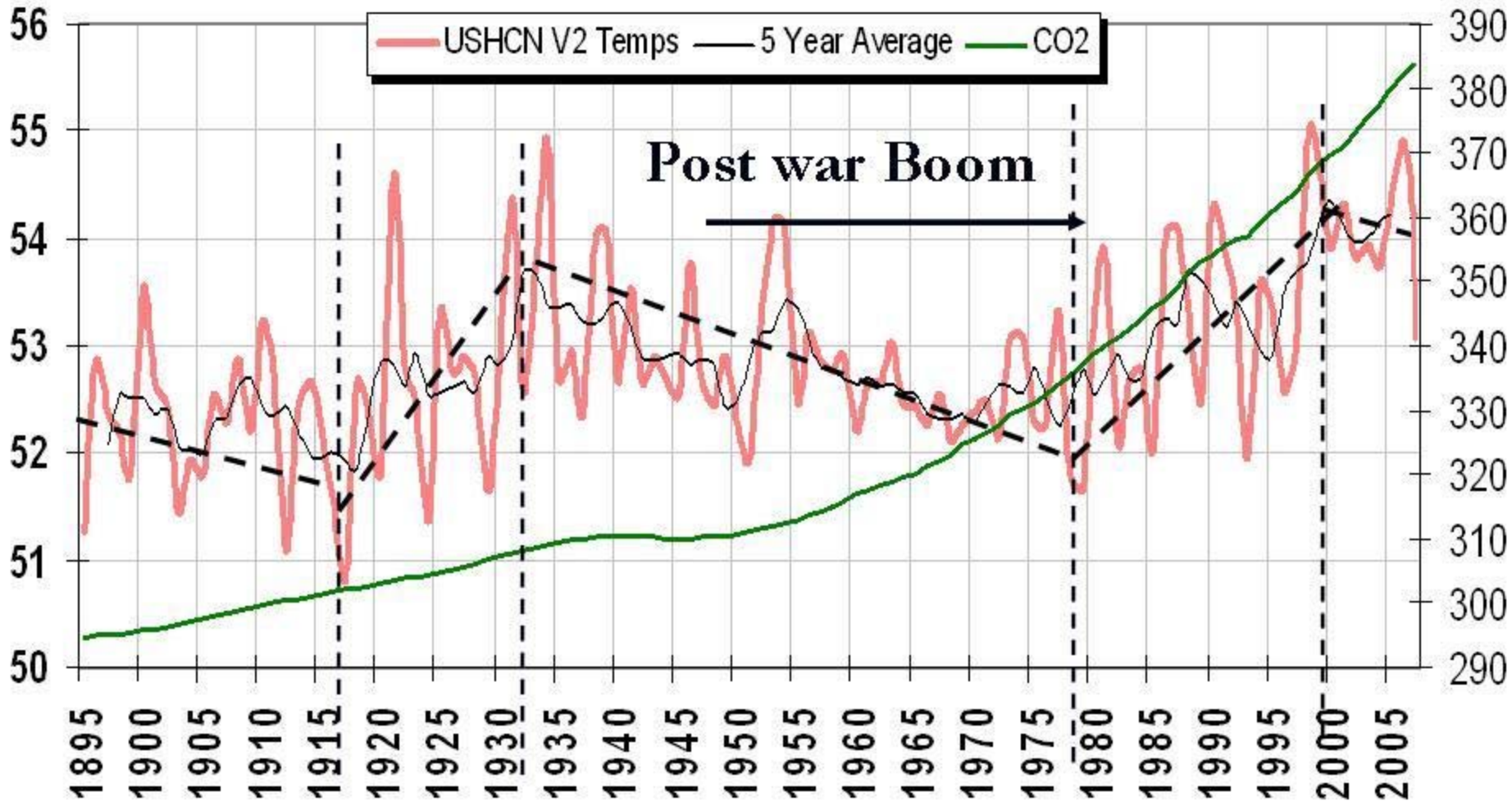
(Science fiction novelist, playwright, and lecturer)

Consensus?

- Heartland Institute organized the 2008 International Conference on Climate Change in NYC with 500 attendees, 100 speakers from all over the world (20 countries) (on-line)
- Heartland ICCCs in 2009 in NYC and DC had 1000 attendees and over 80 speakers (on-line)
- The Petition project has 34,000 US scientists 9,200 PhDs signed petition stating that there is no scientific evidence that greenhouse gas emissions are producing harmful effects
- 1300 signed the Manhattan Declaration in 2008 denying the so-called consensus position
- Over 700 scientists have come out to EPW questioning the so-called consensus

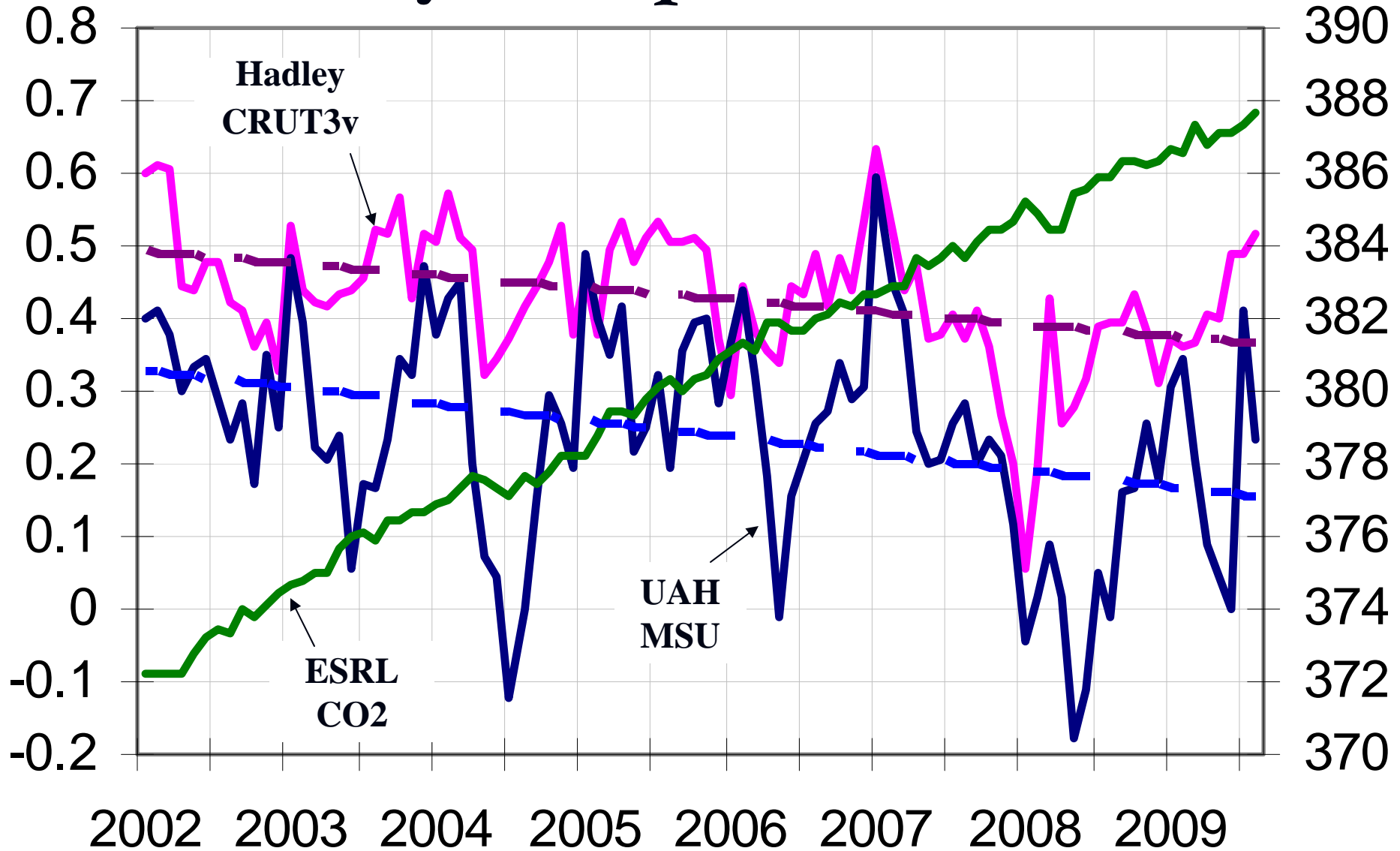
**“...The Only
Constant in Nature
is Change...”**

Annual CO2 versus USHCN V2 Temps

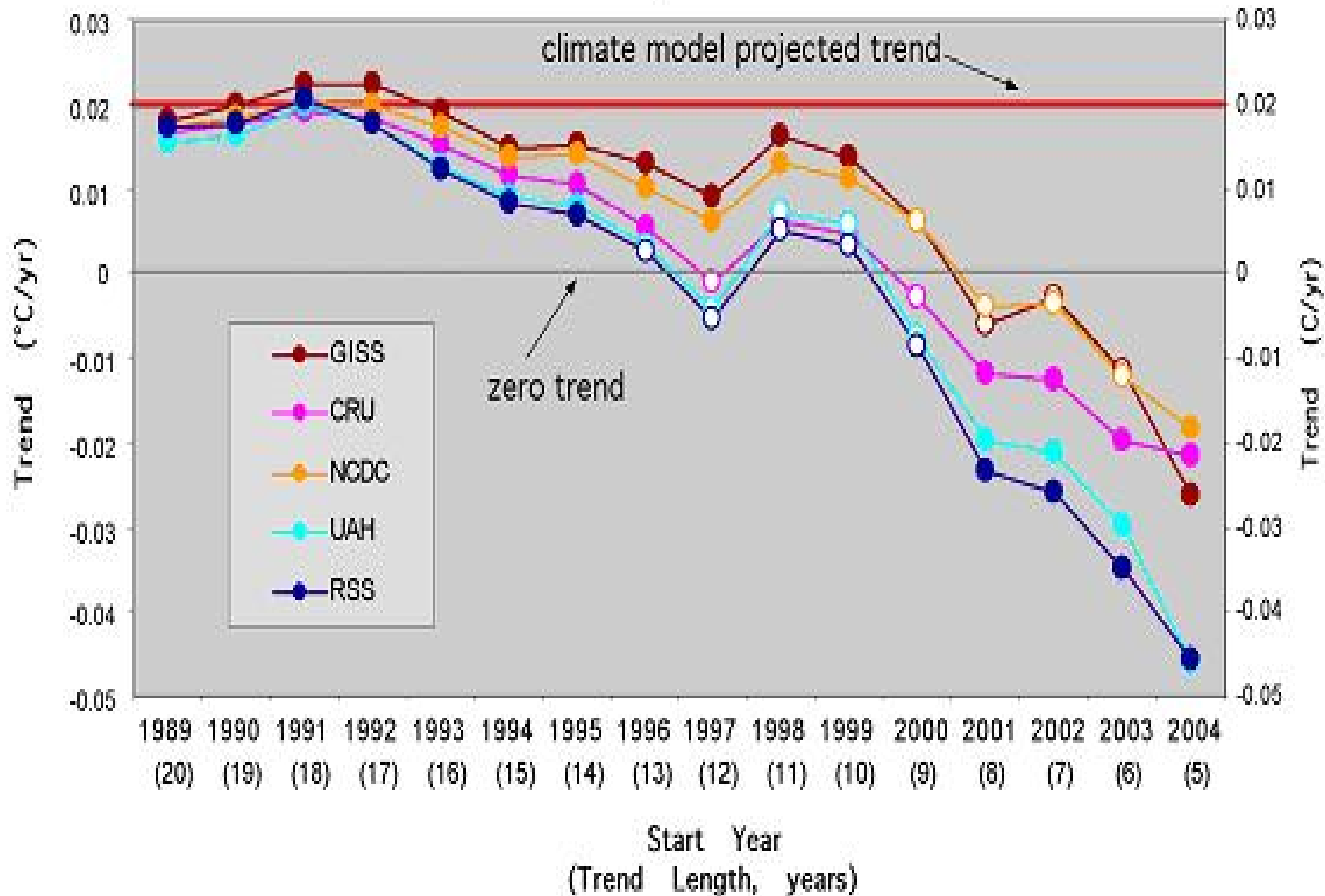


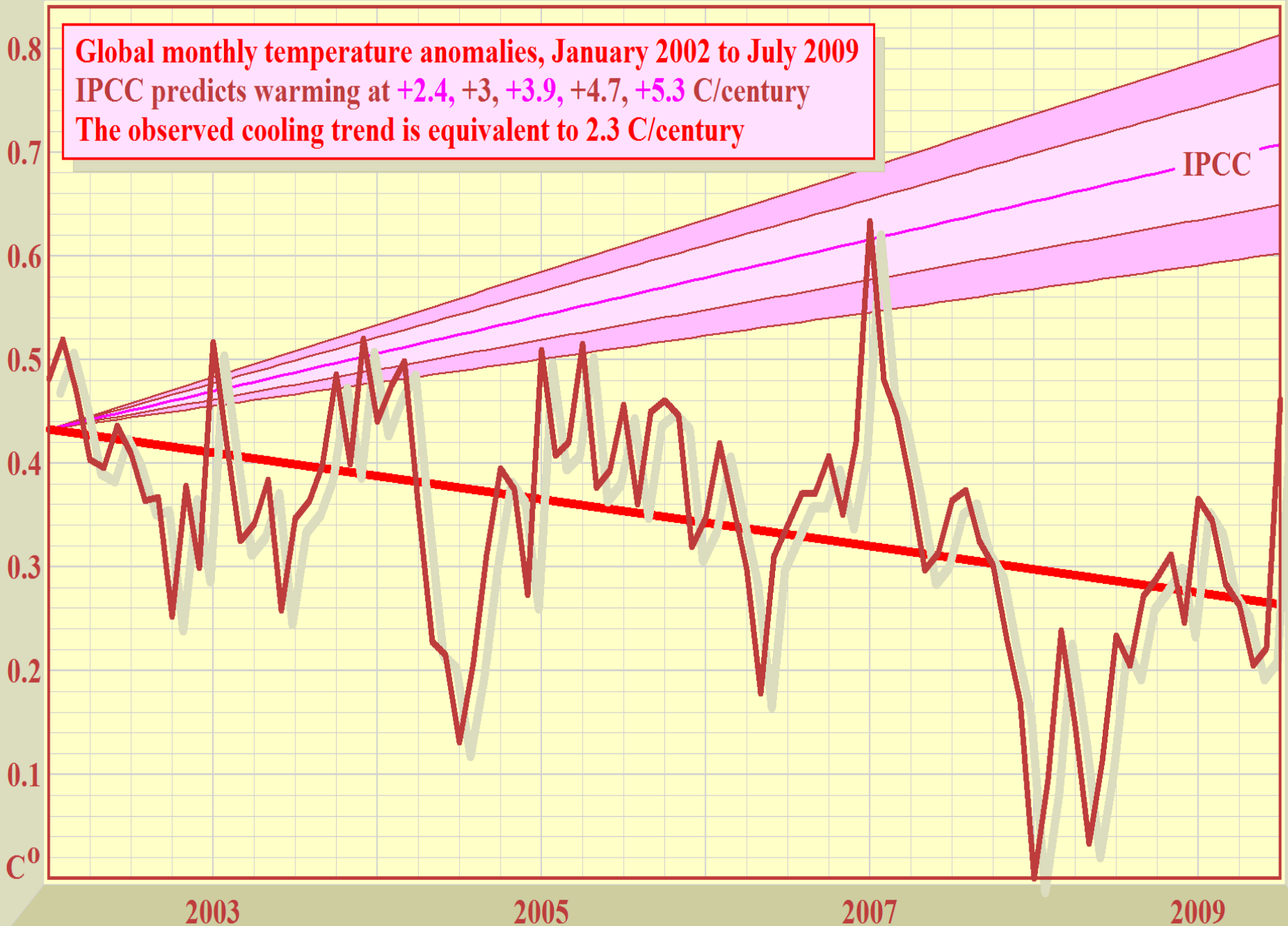
5 of the last 7 decades have seen cooling since WWII in the post war boom

Monthly Temperature vs CO2

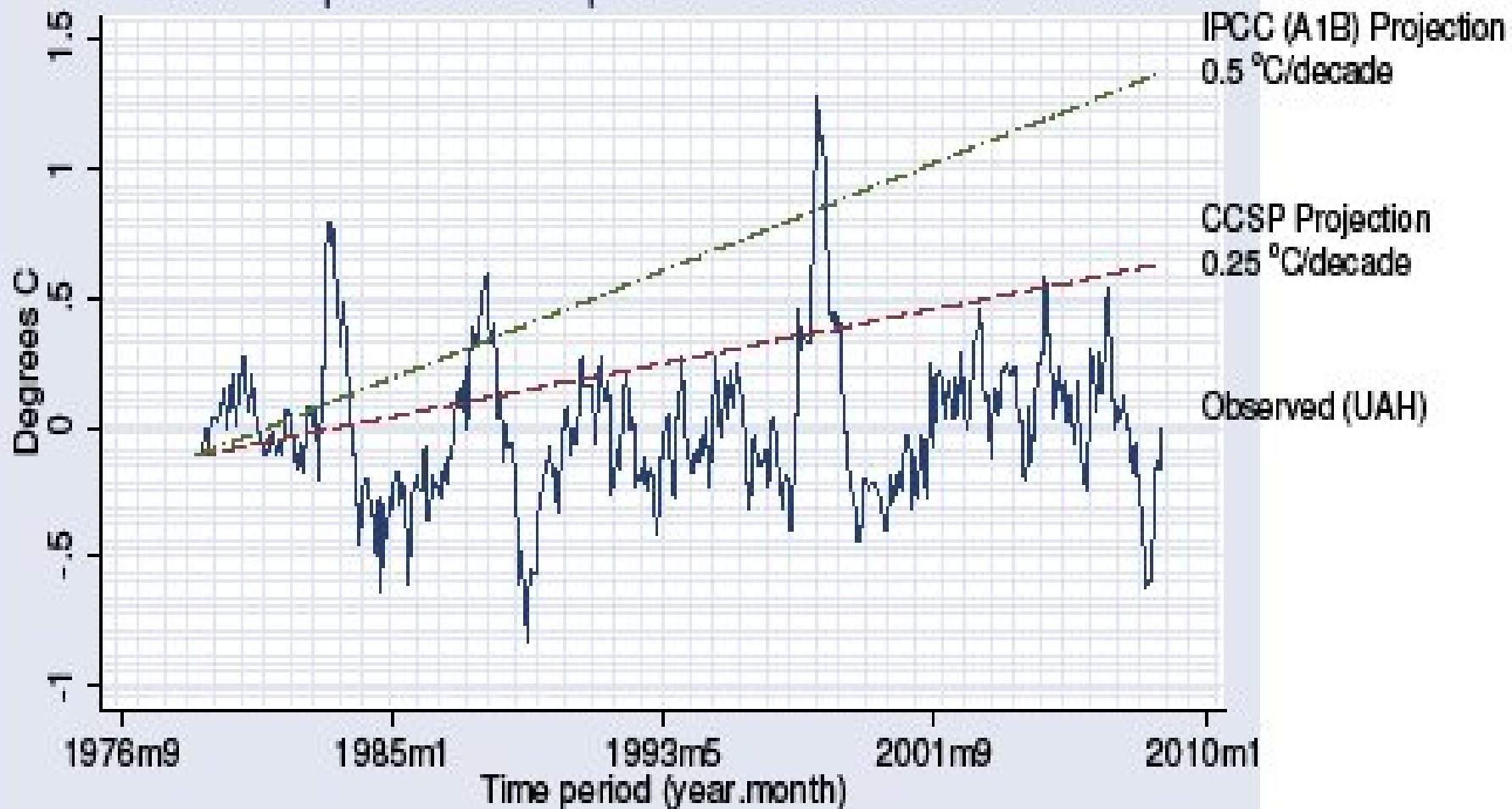


Global Temperature Trend

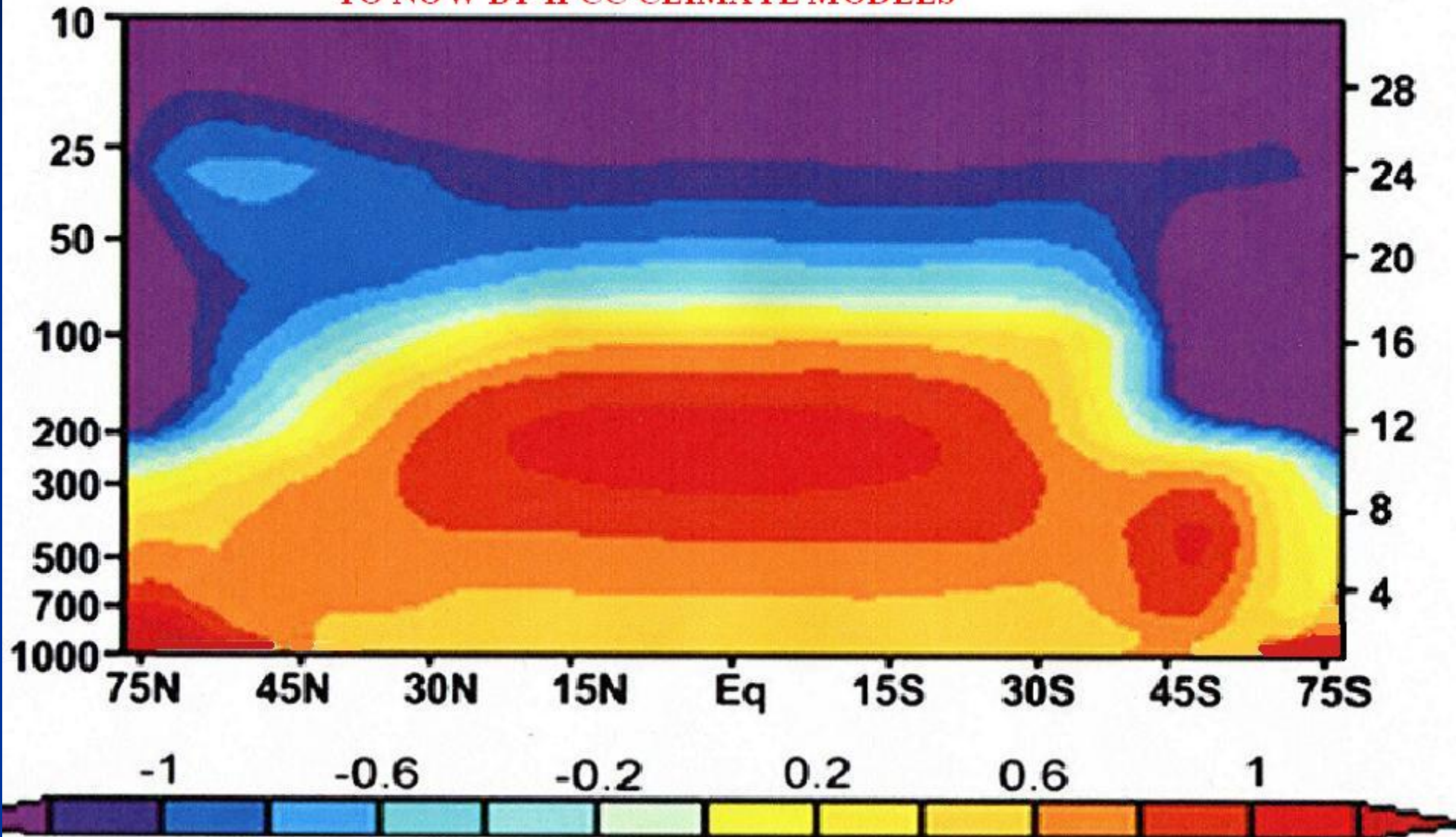


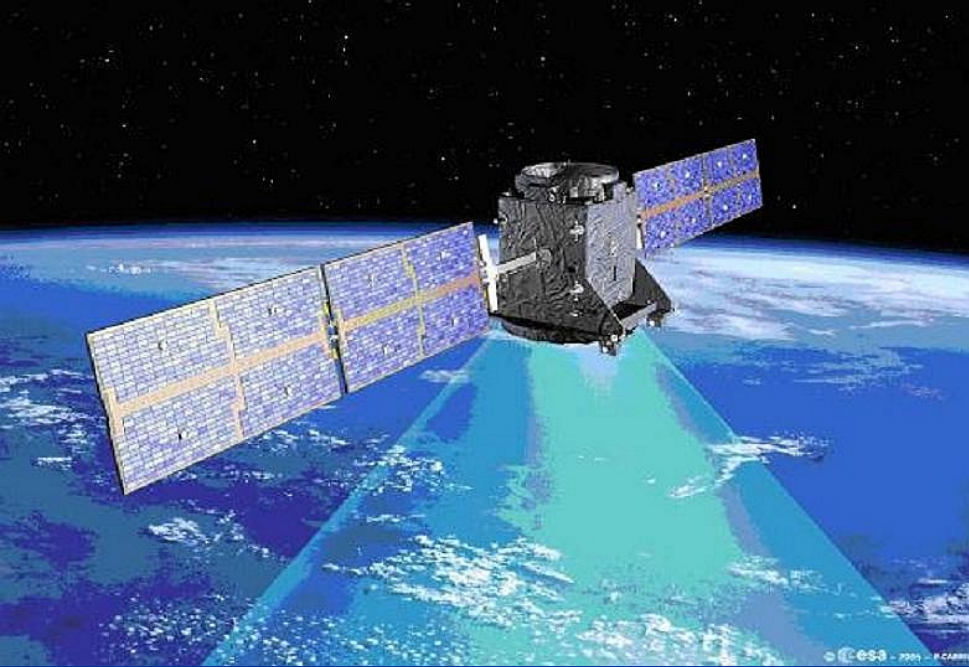


UAH Tropical Mid-Trop vs IPCC and CCSP models



PREDICTED WARMING TREND FROM 1890
TO NOW BY IPCC CLIMATE MODELS

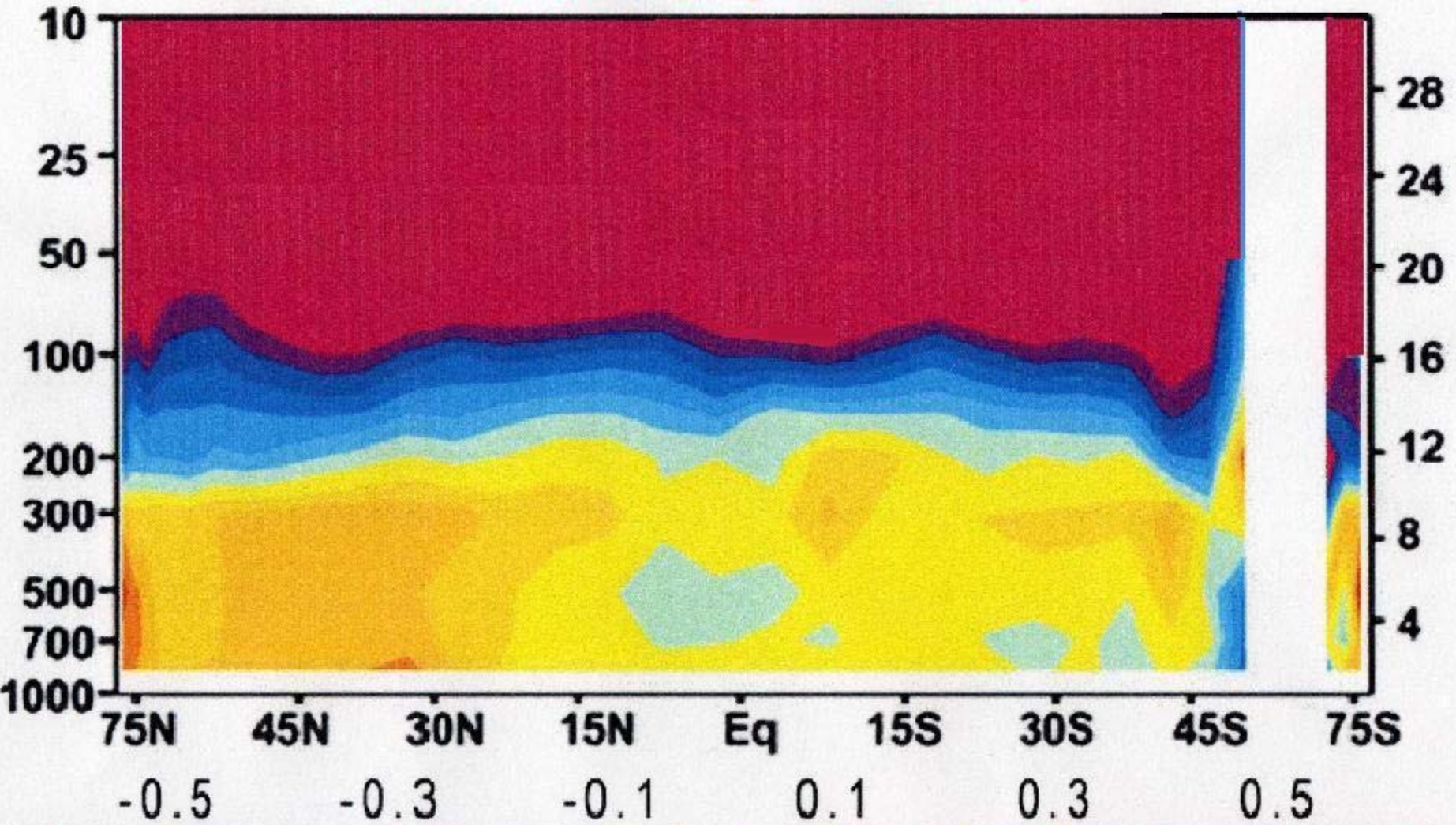




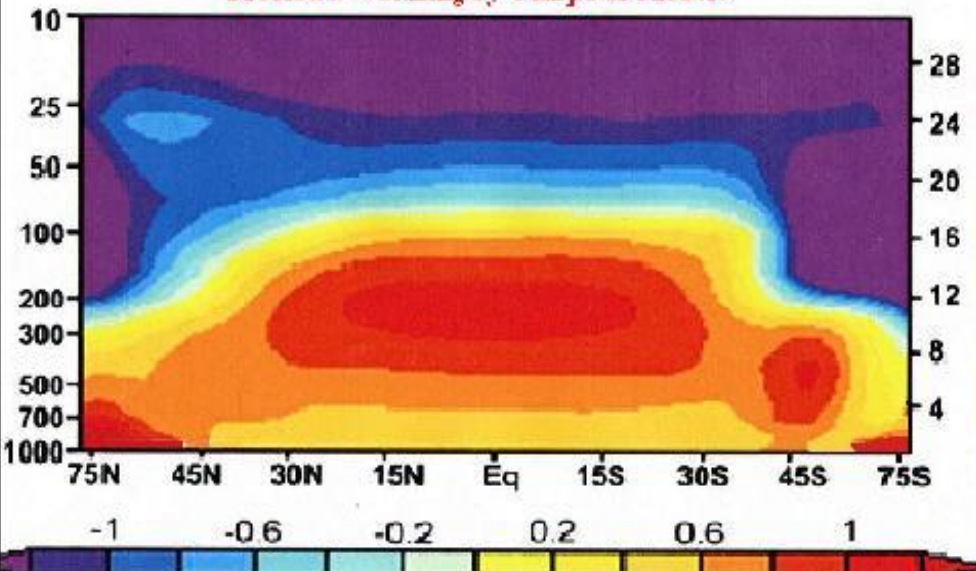
Measuring
atmospheric
temperatures



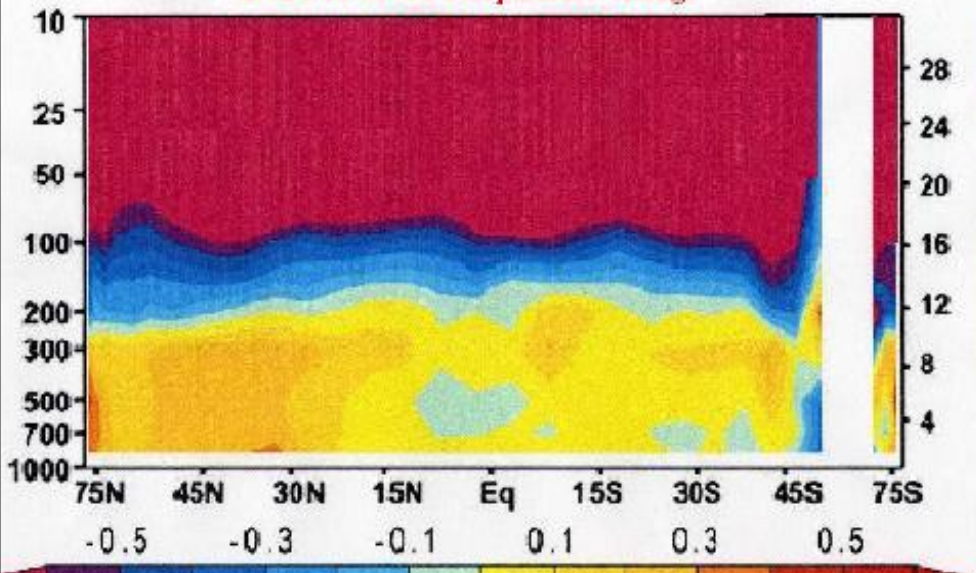
Actual Observed Temperature Change



Predicted Warming by Computer Models



Actual Observed Temperature Change



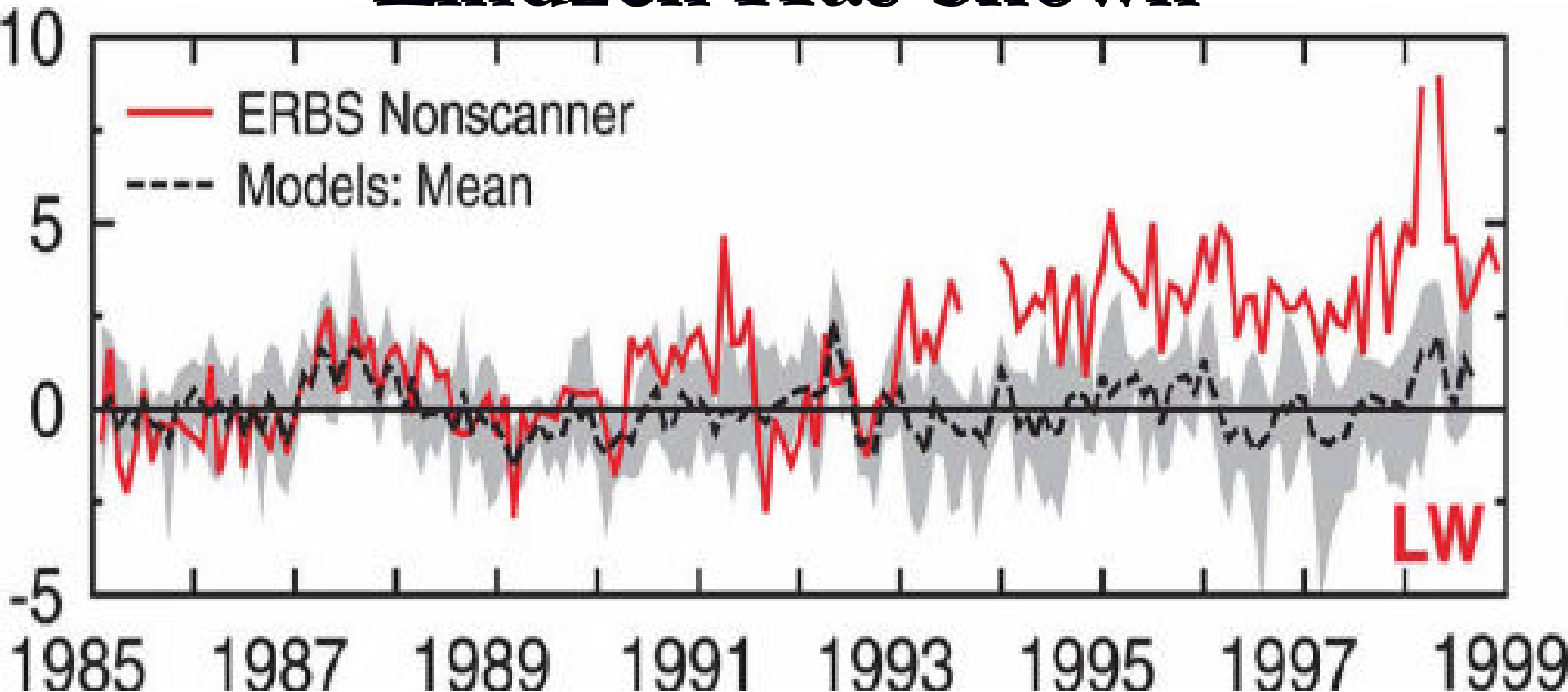
NO MATCH!



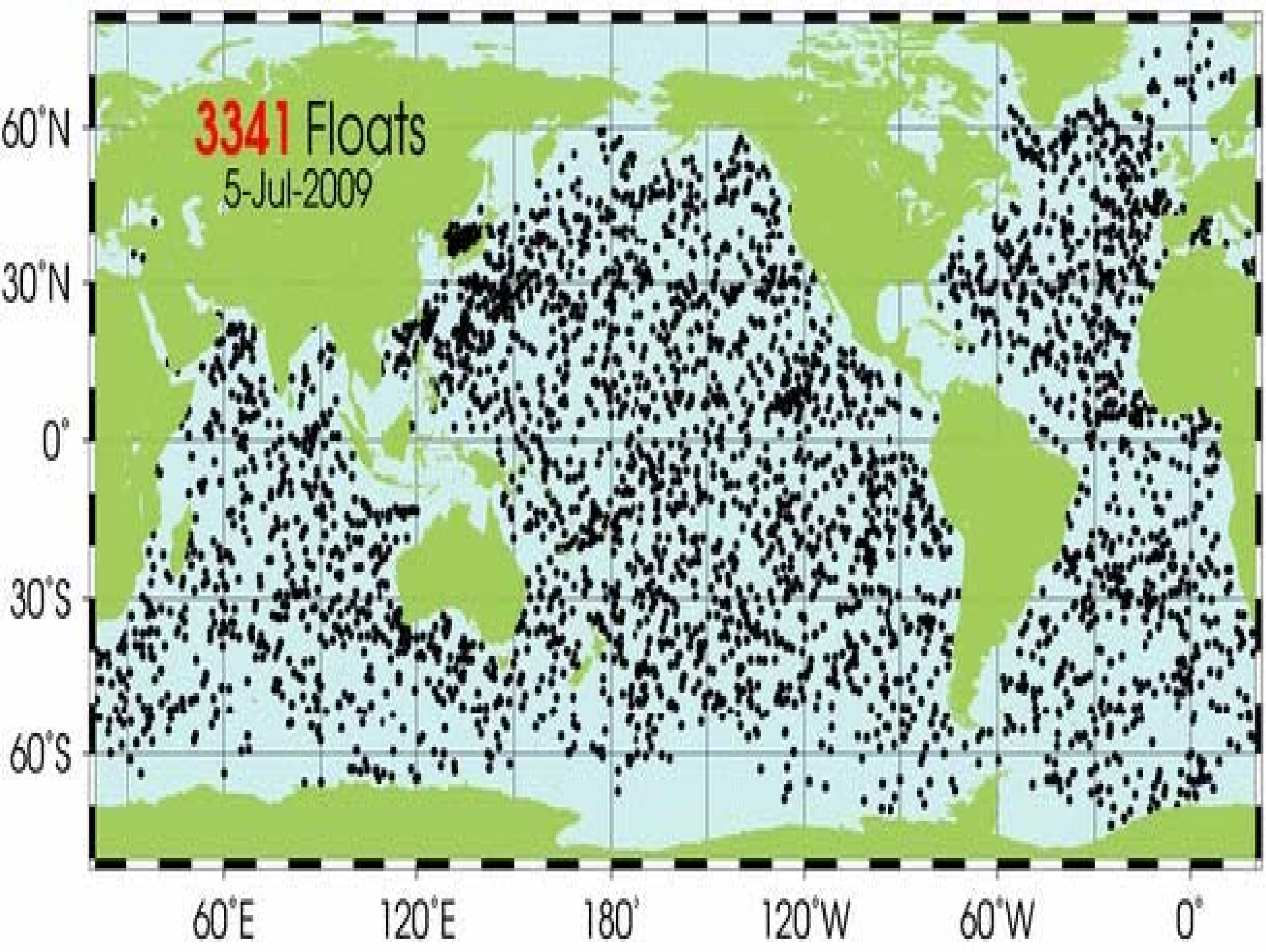
Feedbacks

- Most of the warming in the climate models comes from the **positive feedbacks** assumed when CO₂ increases and air warms
 - Higher water vapor content (stronger GHG)
 - More tropical high clouds to trap heat
- In the absence of positive feedbacks, CO₂ warming for a doubling would be less than 0.5C, much of which may be already built in
- Satellite and weather balloon data suggest strongly these serve instead as **NEGATIVE** feedbacks

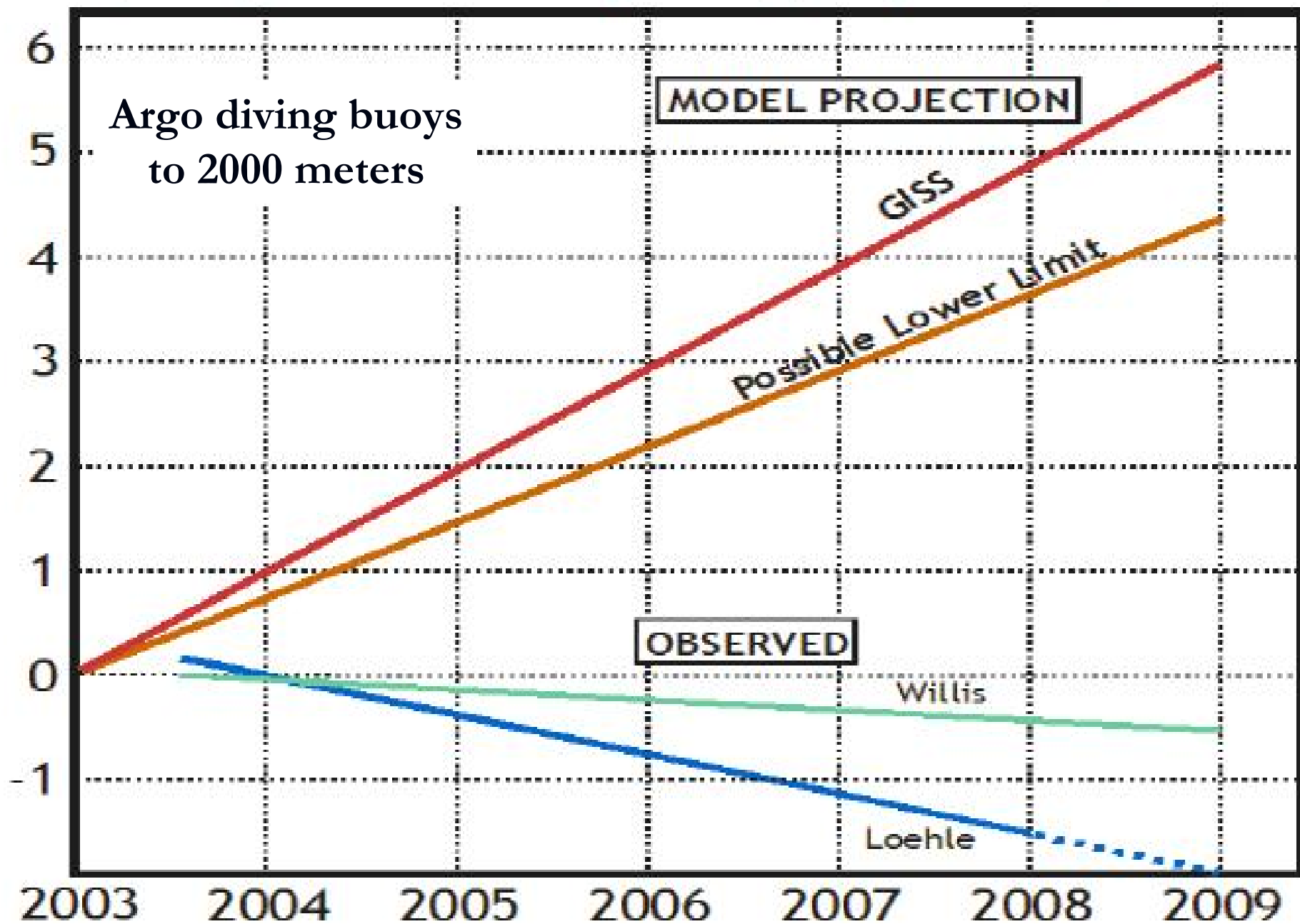
Lindzen Has Shown



Observed (red) long-wave flux anomalies for the tropics against the mean of five climate model simulations (black) using observed sea surface temperature, and the total range of model-predicted anomalies (gray band). Source: Wielicki, B.A., T Wong et al. 2002. Evidence for large decadal variability in the tropical mean radiative energy budget. Science 295: 841-844.

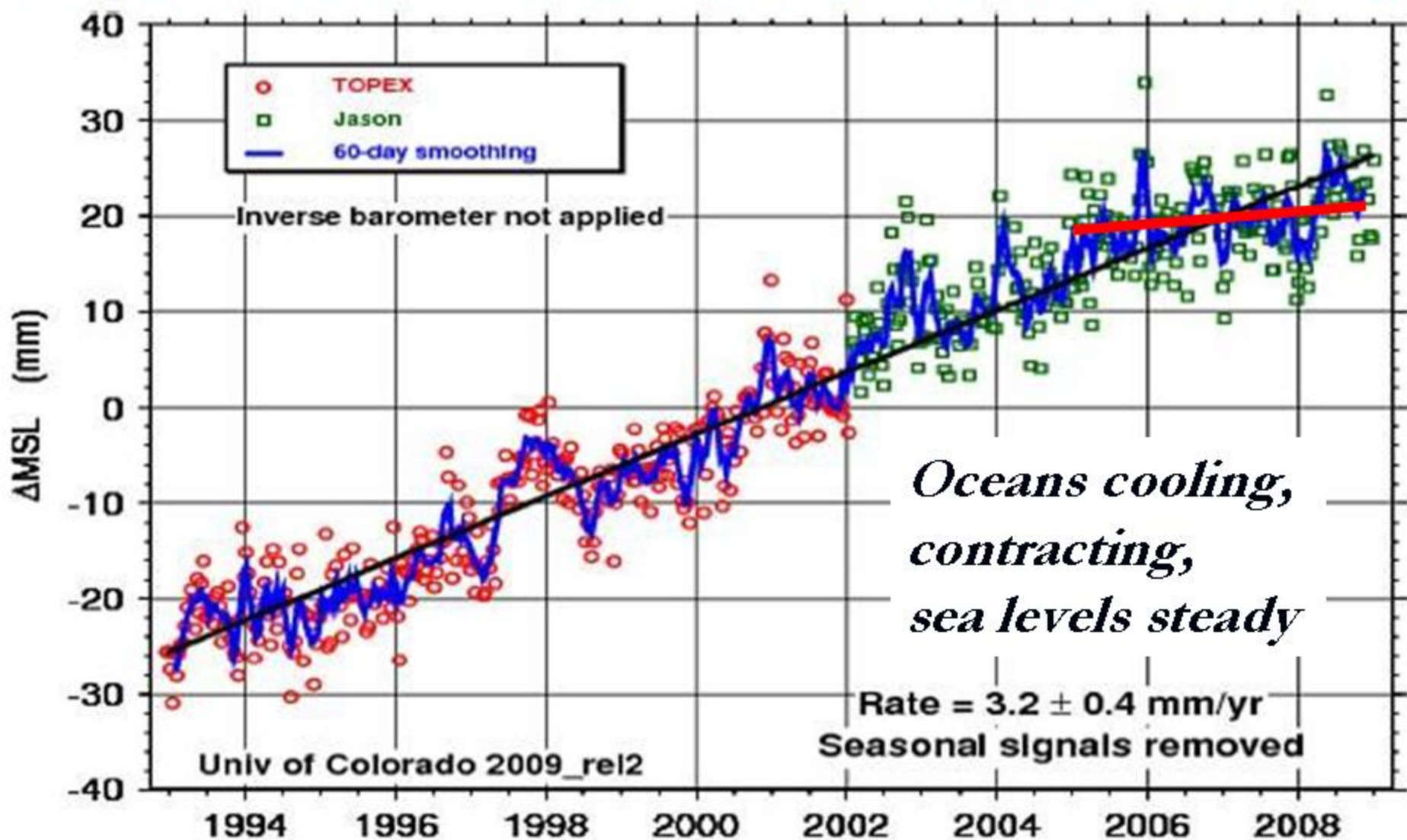


Five years' global ocean cooling: reality yet again disobeys models



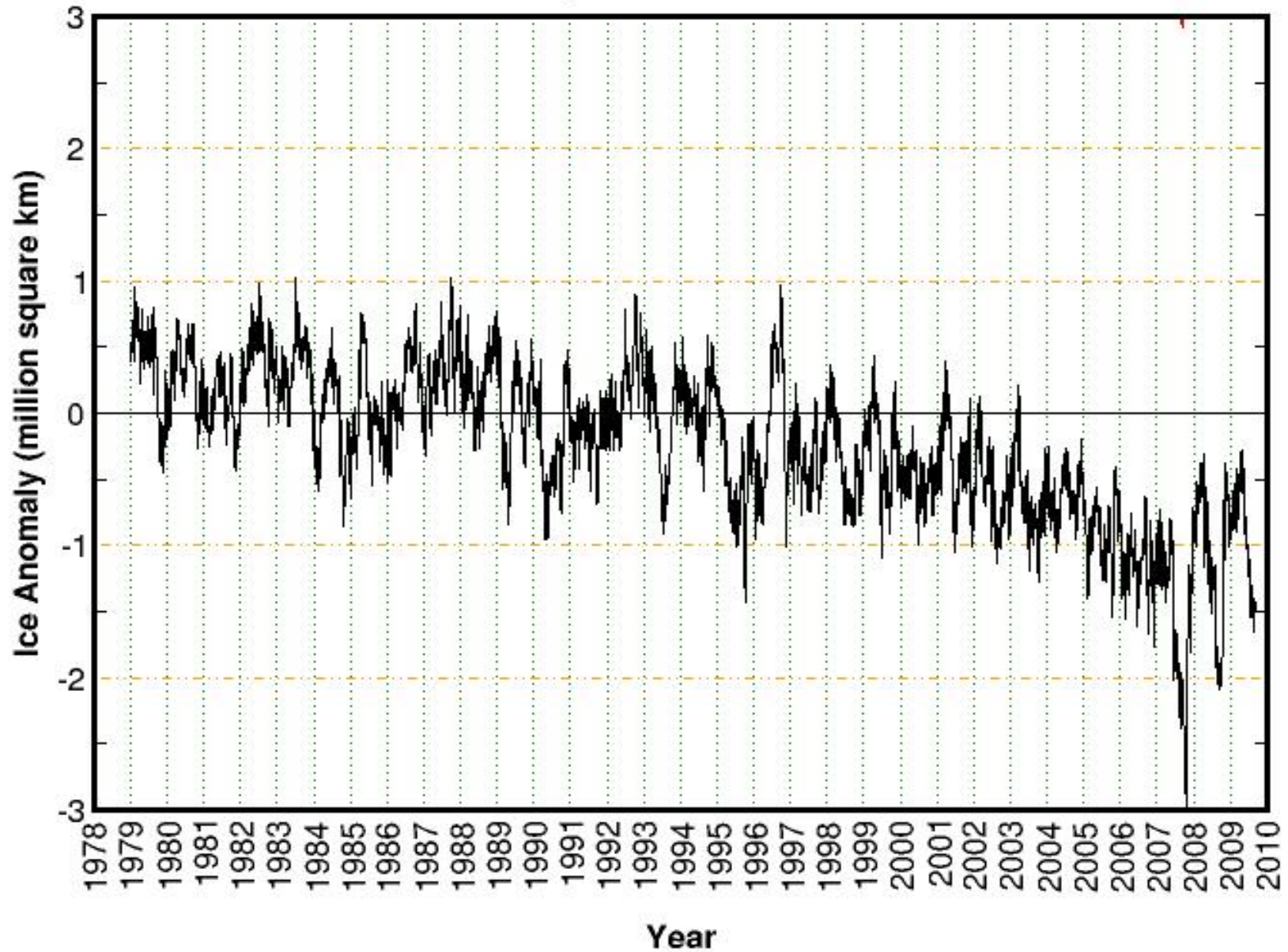


Sea level: Gore's "Armageddon scenario" is not occurring

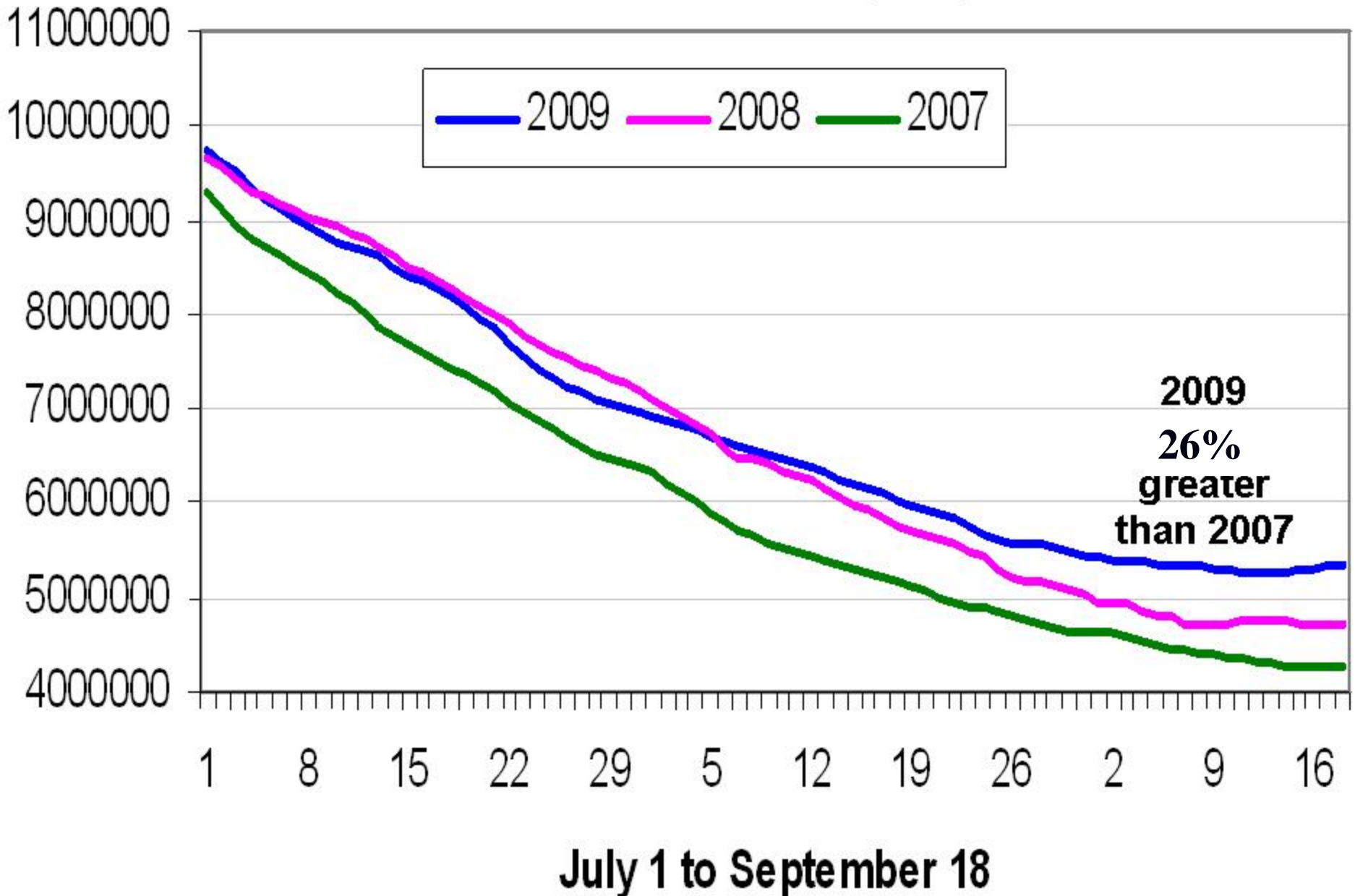


Northern Hemisphere Sea Ice Anomaly

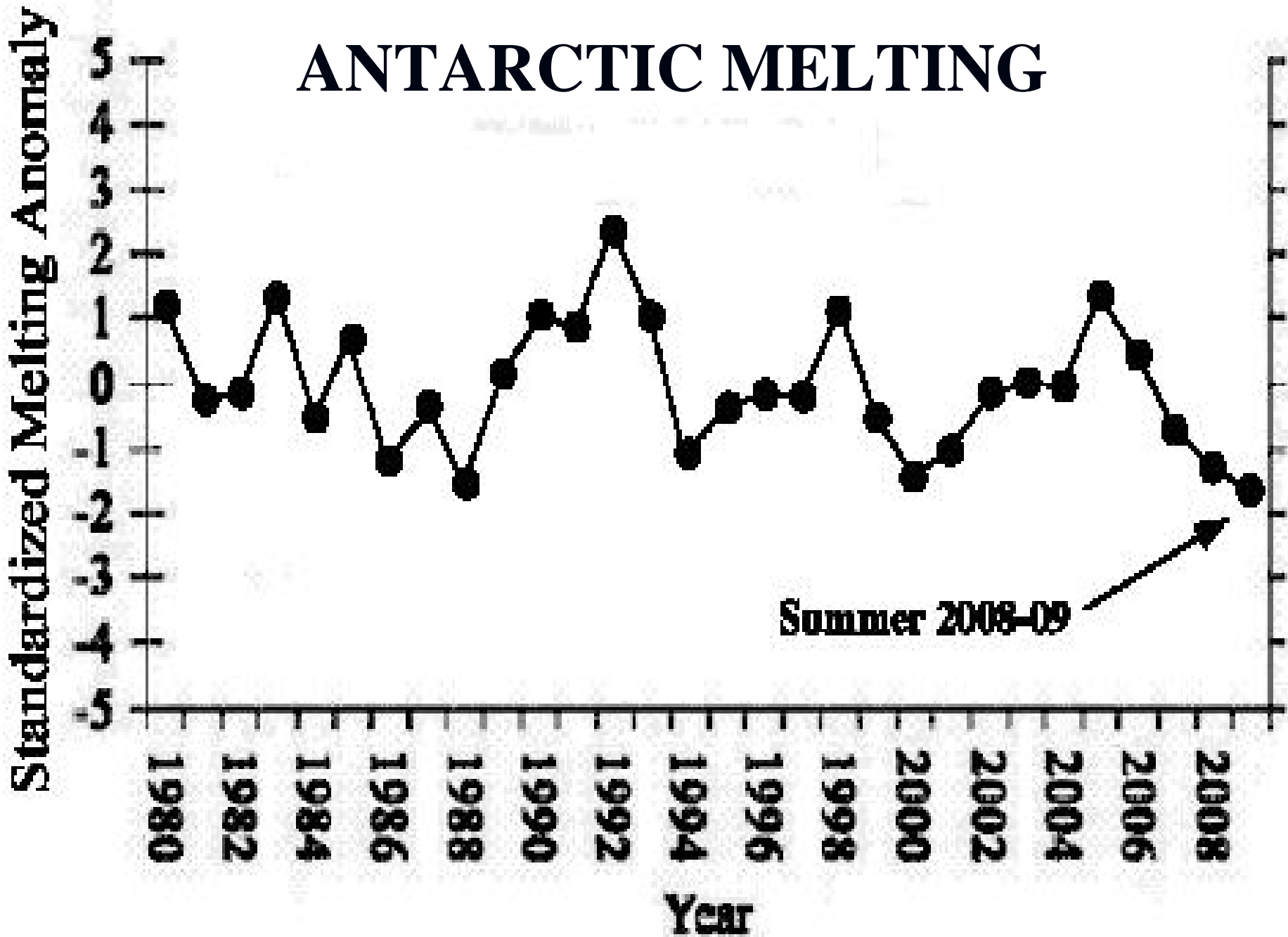
Anomaly from 1978-2000 mean



JAXA Arctic Ice Extent (km²)

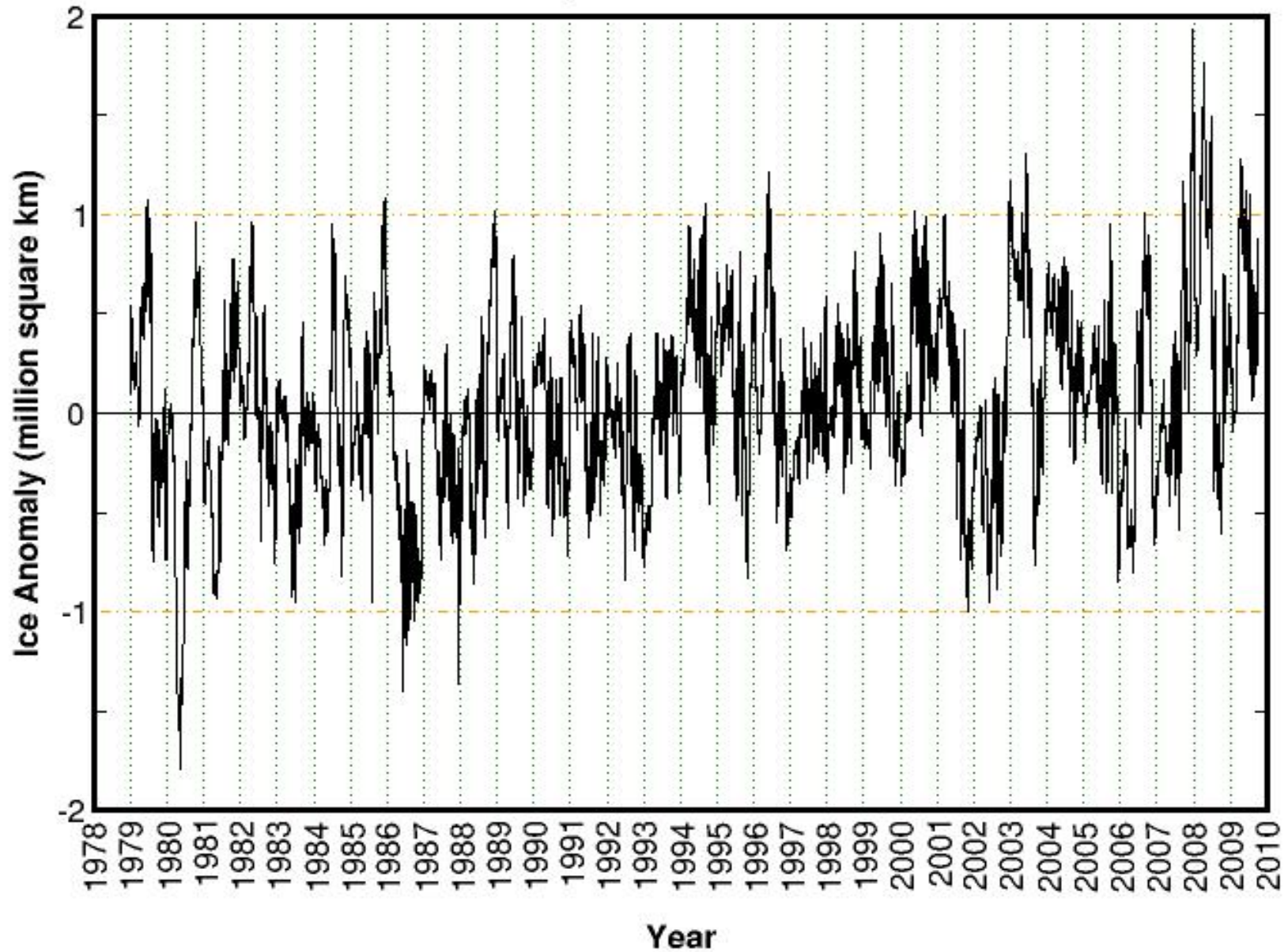


ANTARCTIC MELTING



Southern Hemisphere Sea Ice Anomaly

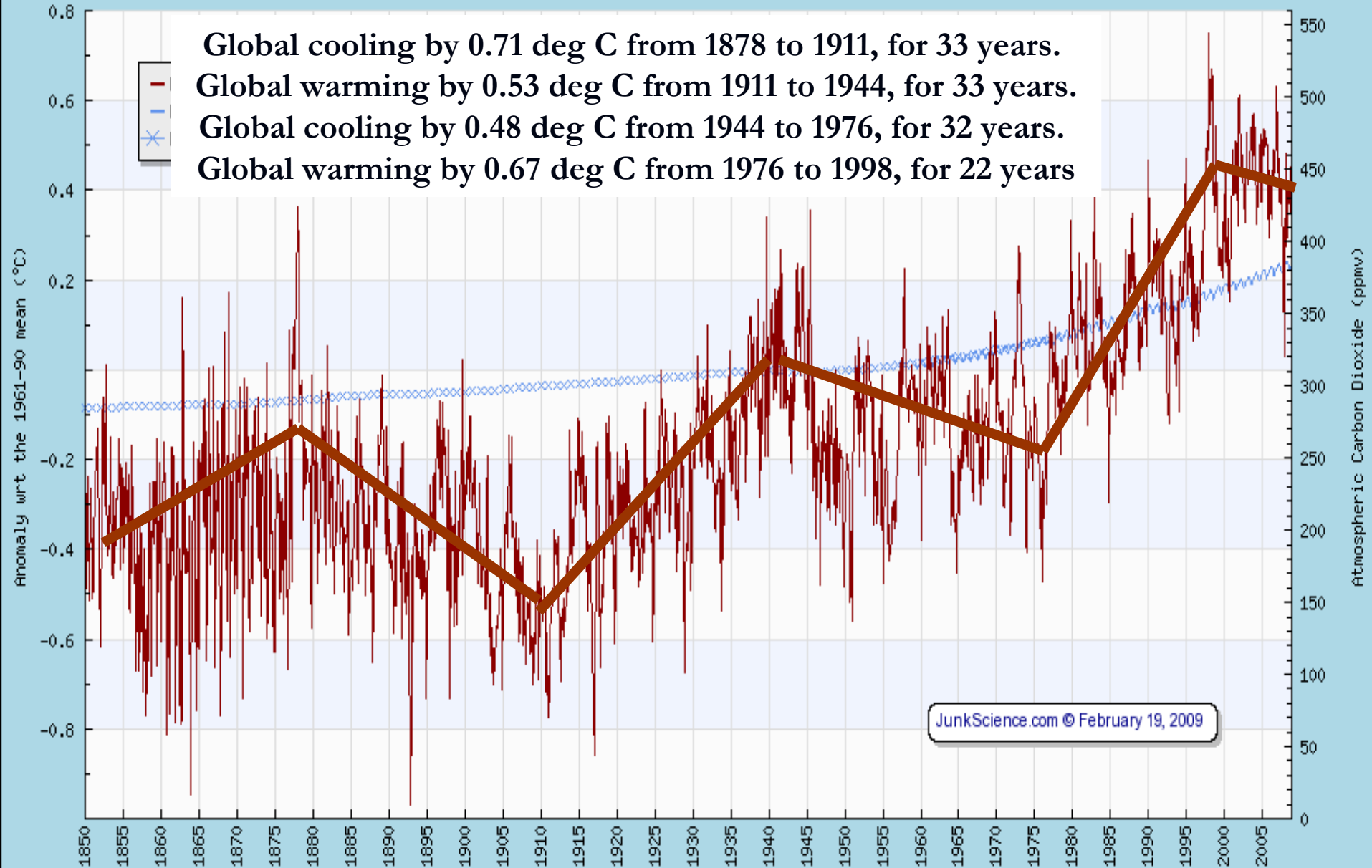
Anomaly from 1979-2000 mean



HadCRUT3 Global Monthly Mean Temperature Anomalies

Data source: <http://hadobs.metoffice.com/hadcrut3/diagnostics/global/nh+sh/monthly>
http://www.cmdl.noaa.gov/projects/src/web/trends/co2_mm_mlo.dat; <http://cdiac.ornl.gov/ftp/trends/co2/lawdome.smoothed.yr20>

Global cooling by 0.71 deg C from 1878 to 1911, for 33 years.
Global warming by 0.53 deg C from 1911 to 1944, for 33 years.
Global cooling by 0.48 deg C from 1944 to 1976, for 32 years.
Global warming by 0.67 deg C from 1976 to 1998, for 22 years.

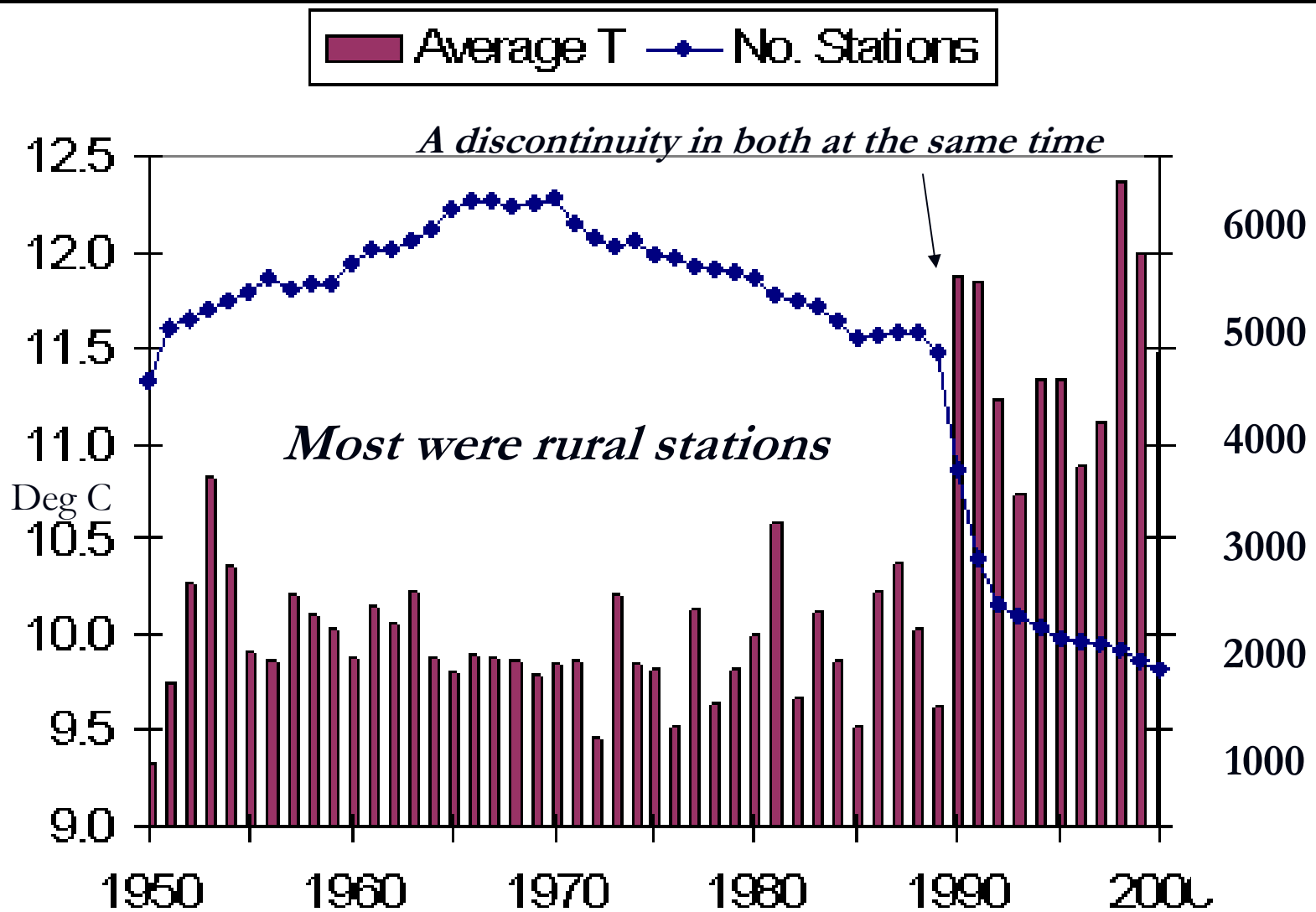


Global Data Base Issues

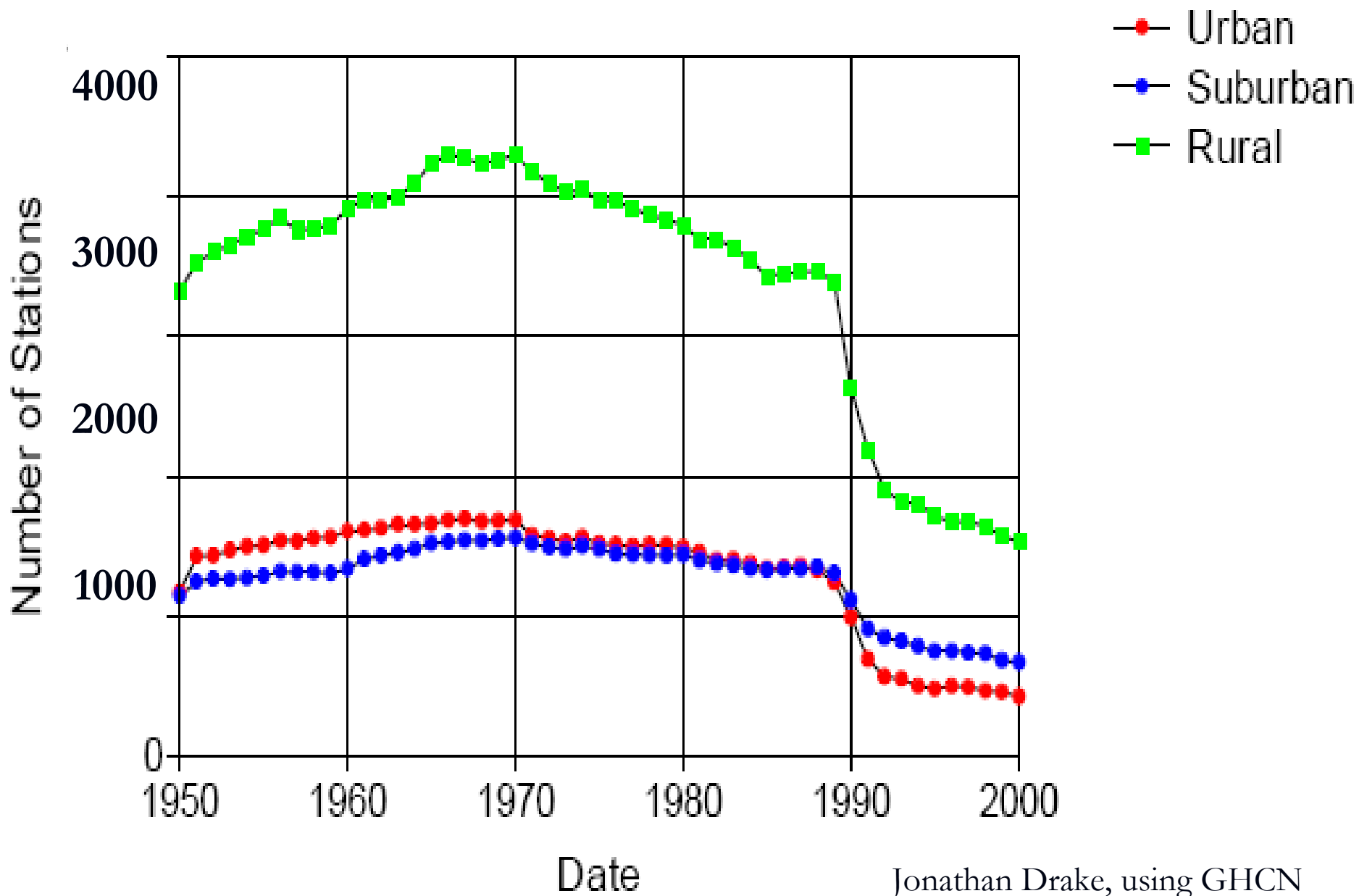
- Station dropout (>2/3rds since 1990) mainly rural
- Missing data increased tenfold after 1990
- Urban adjustment not used or totally inadequate even as world population increased 1.5 to 6.7 billion since 1900
- Siting for vast majority of observing sites does not meet WMO standards set with significant warm biases
- Oceans cover 71% of the globe and questions about how much and when to adjust for changing measurement techniques (buckets to ship intake to satellite). Recently NCDC removed satellite inputs because of ‘complaints’ about cold bias.

How can we ever hope to detect trends to a precision of a tenth of a degree

Station Dropout and Global Temps



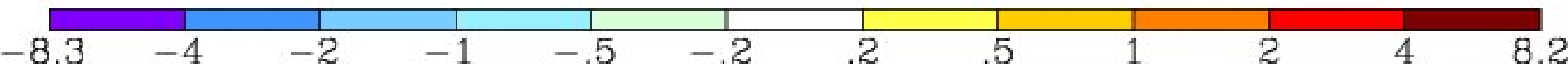
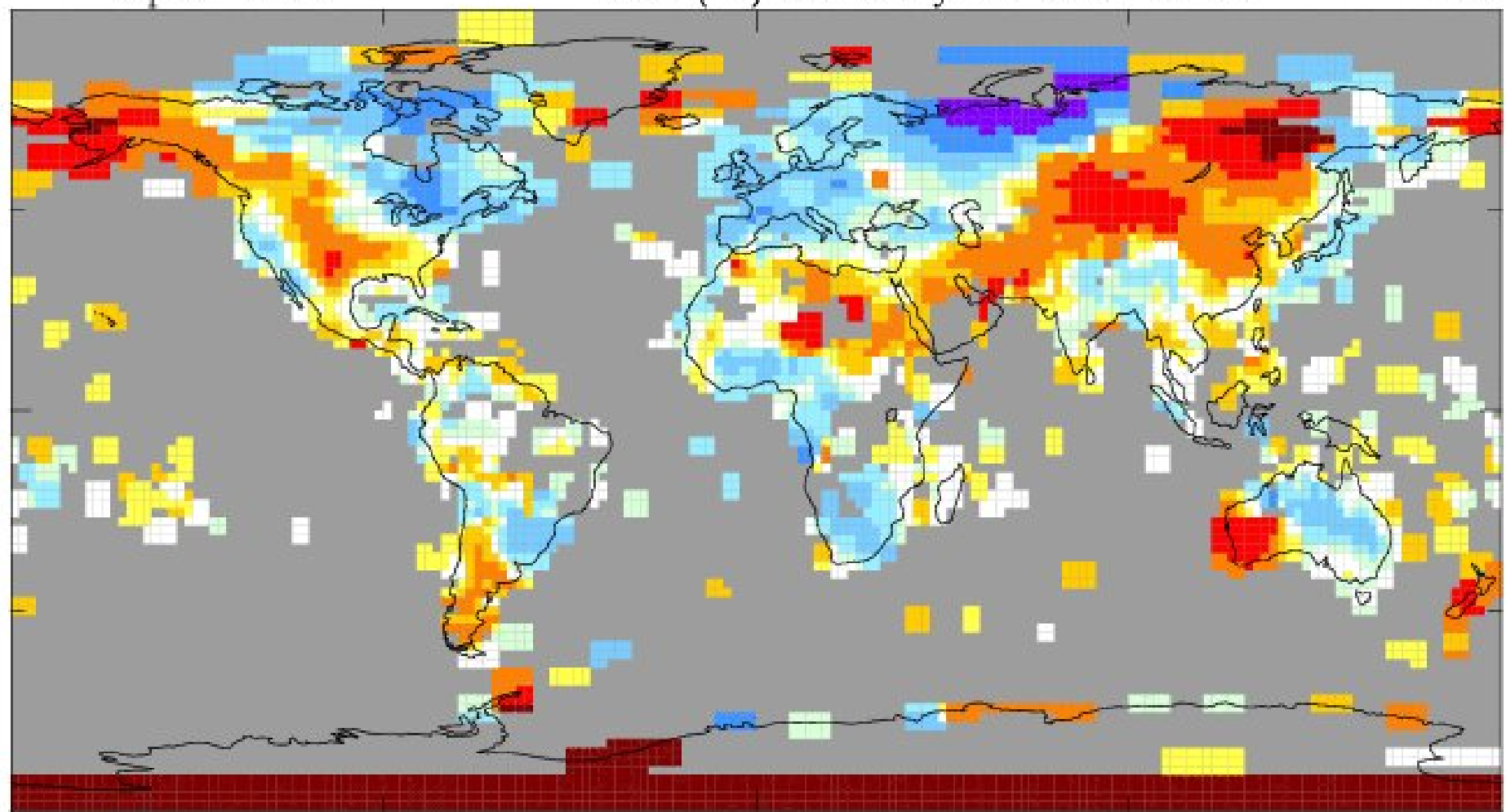
Number of Stations by Category



April 1978

Tsurf(°C) Anomaly vs 1951-1980

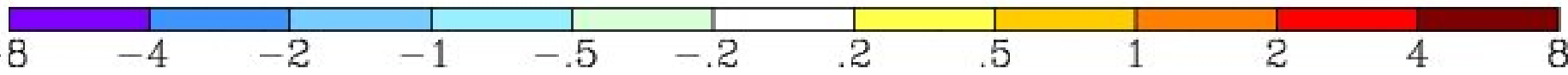
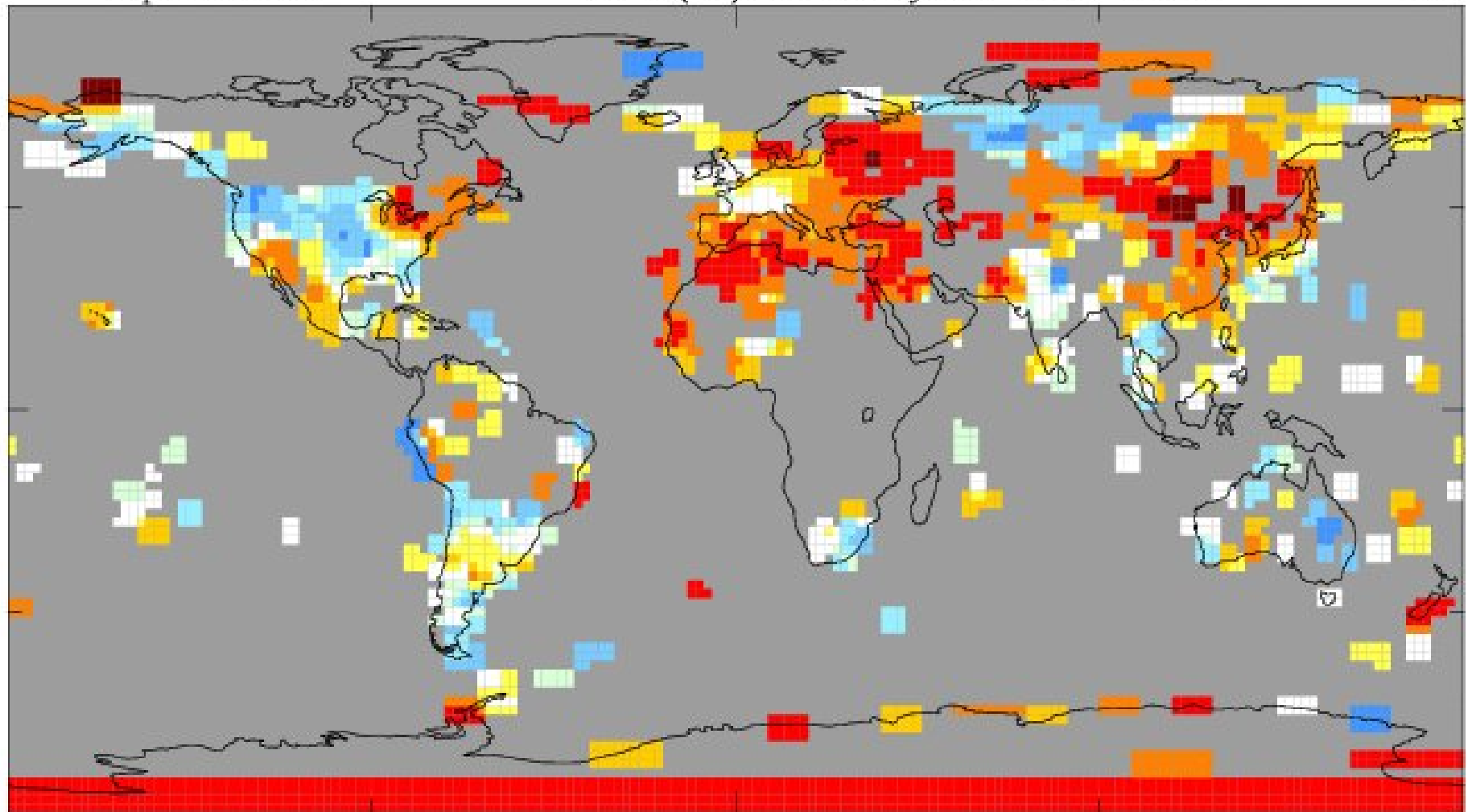
.33



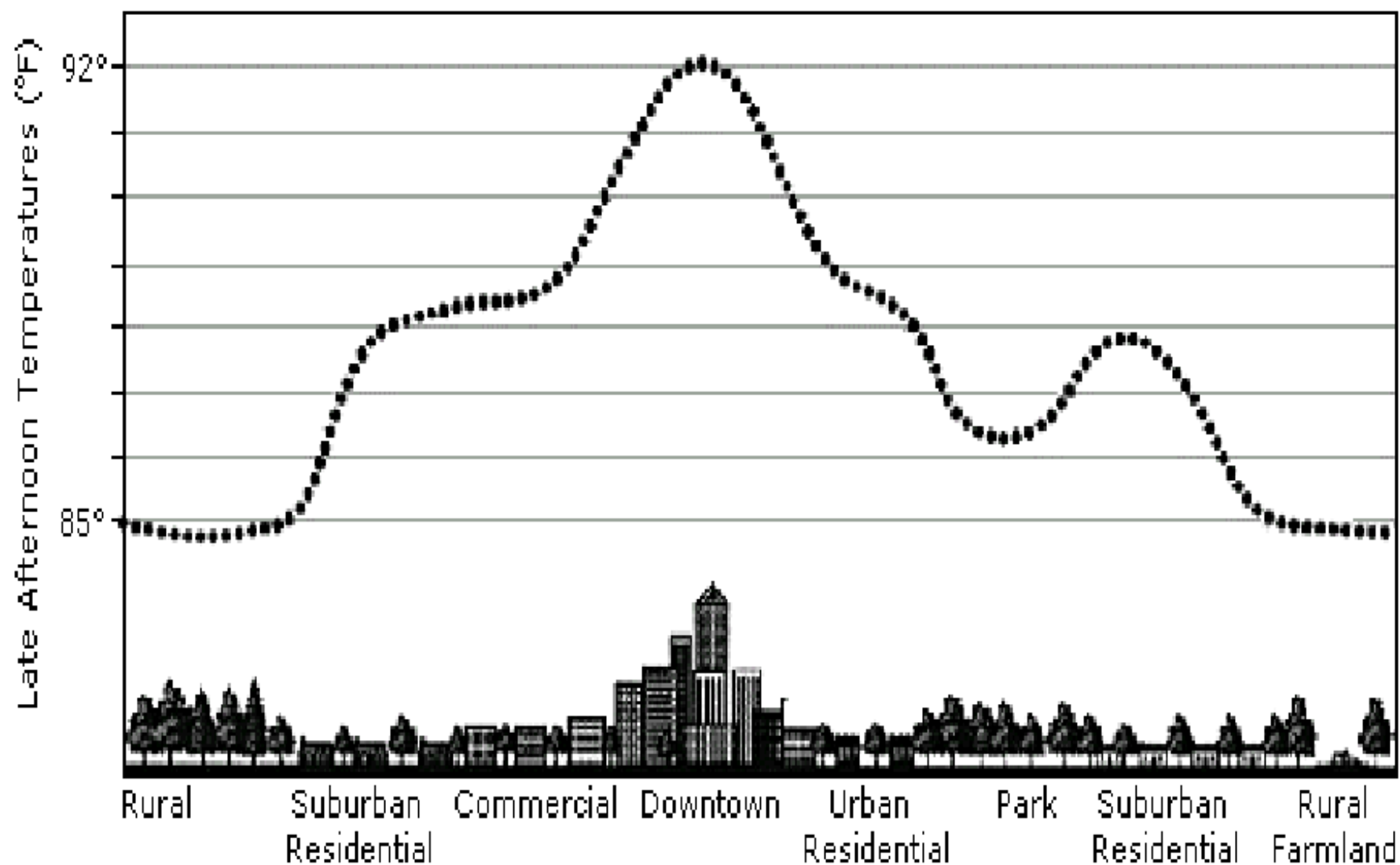
April 2008

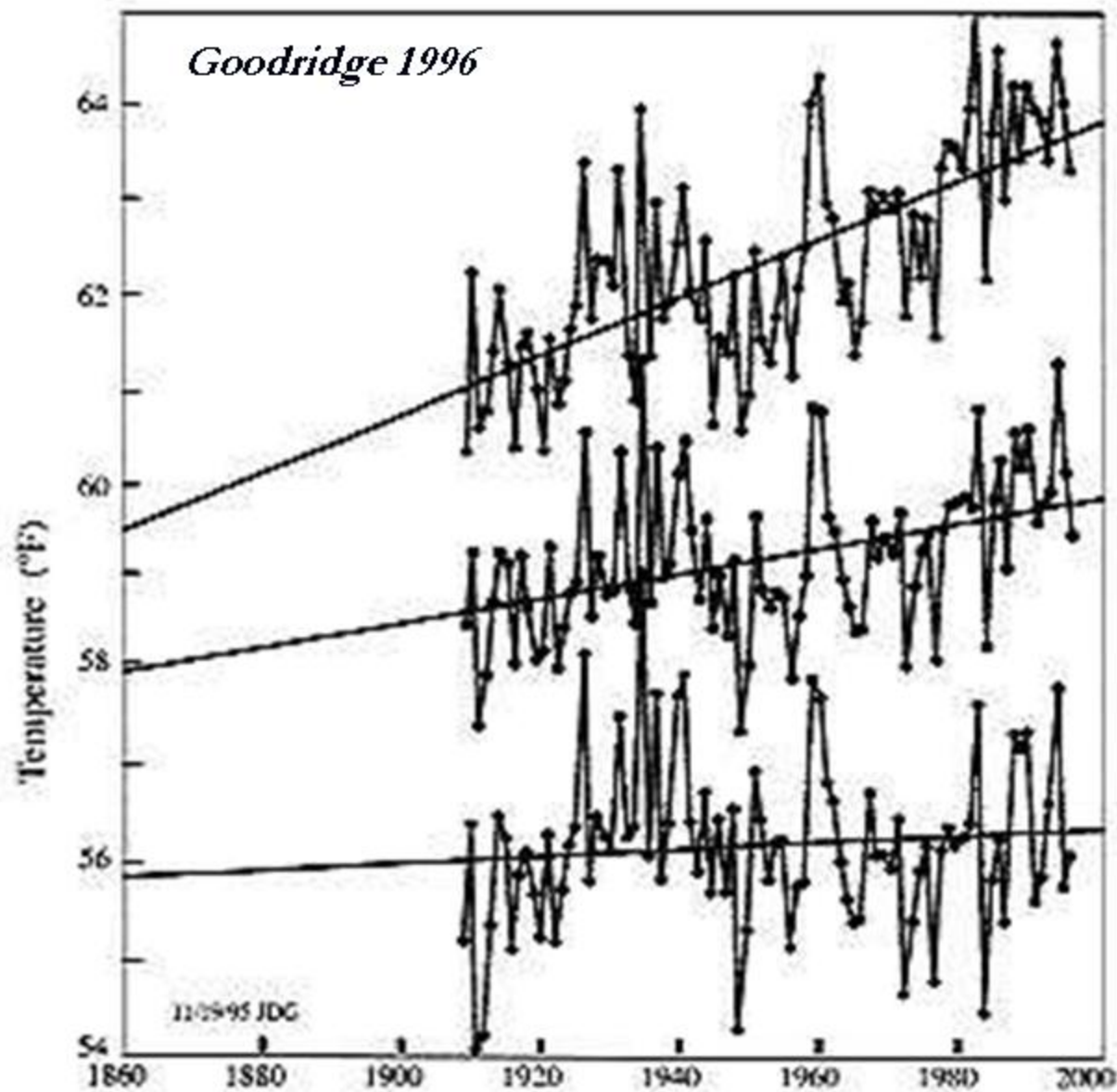
Tsurf(°C) Anomaly vs 1951–1980

.46



Sketch of an Urban Heat-Island Profile

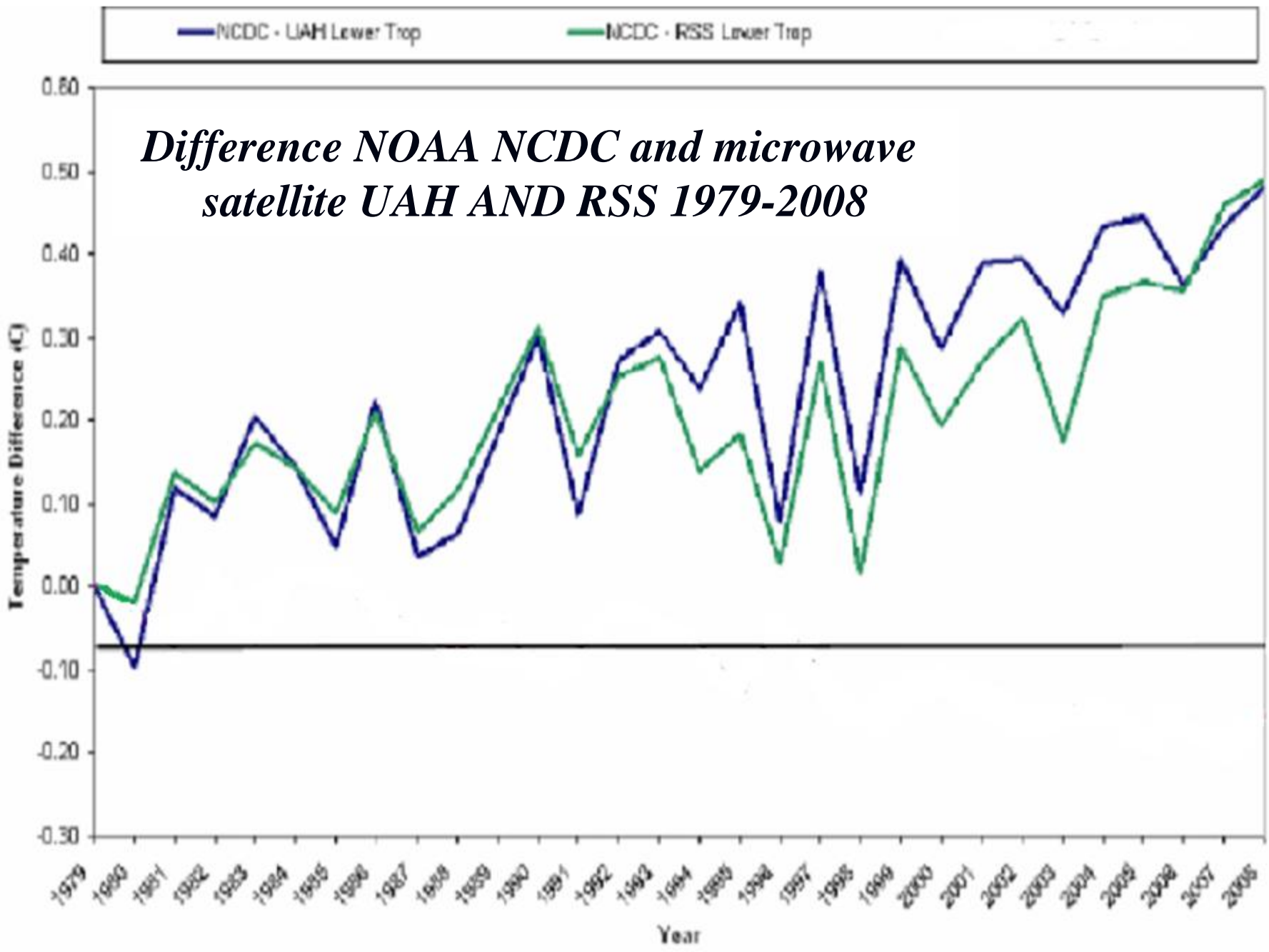




*Counties in CA
with >1 million
Population
+4F*

*Counties in CA
with between
100,000 and
1 million
population
+1F*

*Counties in CA
with less than
100,000
Population
0F*





*USHCN Station Hopkinsville, KY
(Pielke et al 2006)*

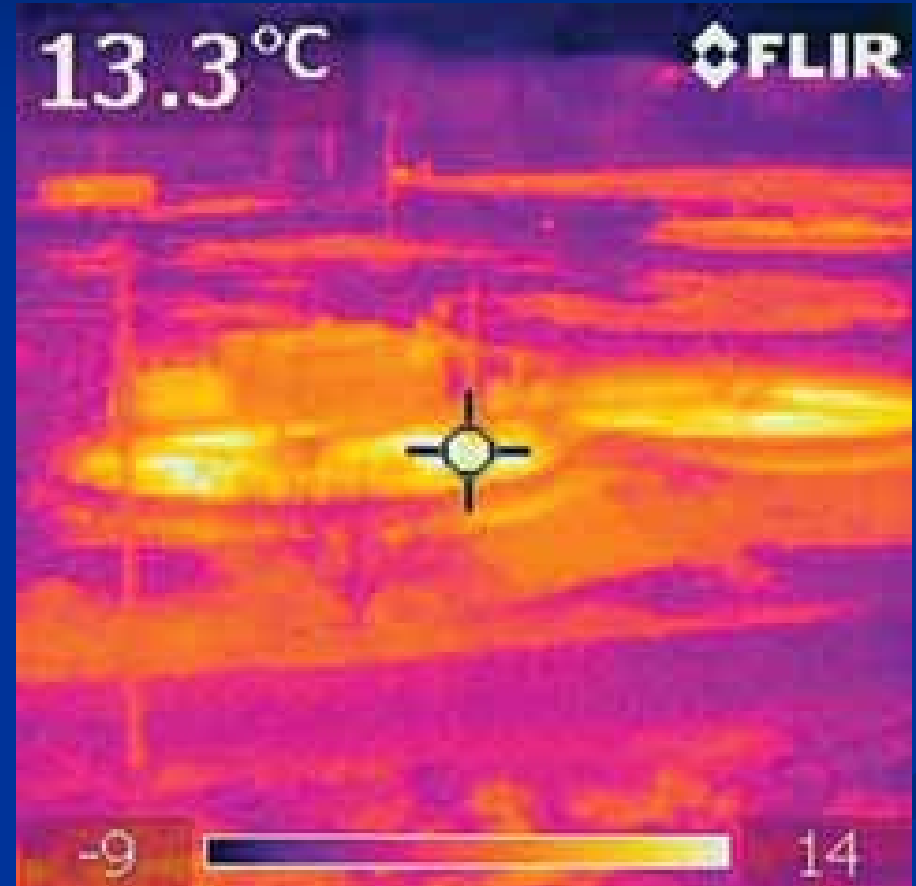


*Max/Min sensor near John Martin
Reservoir, CO (Davey 2005)*

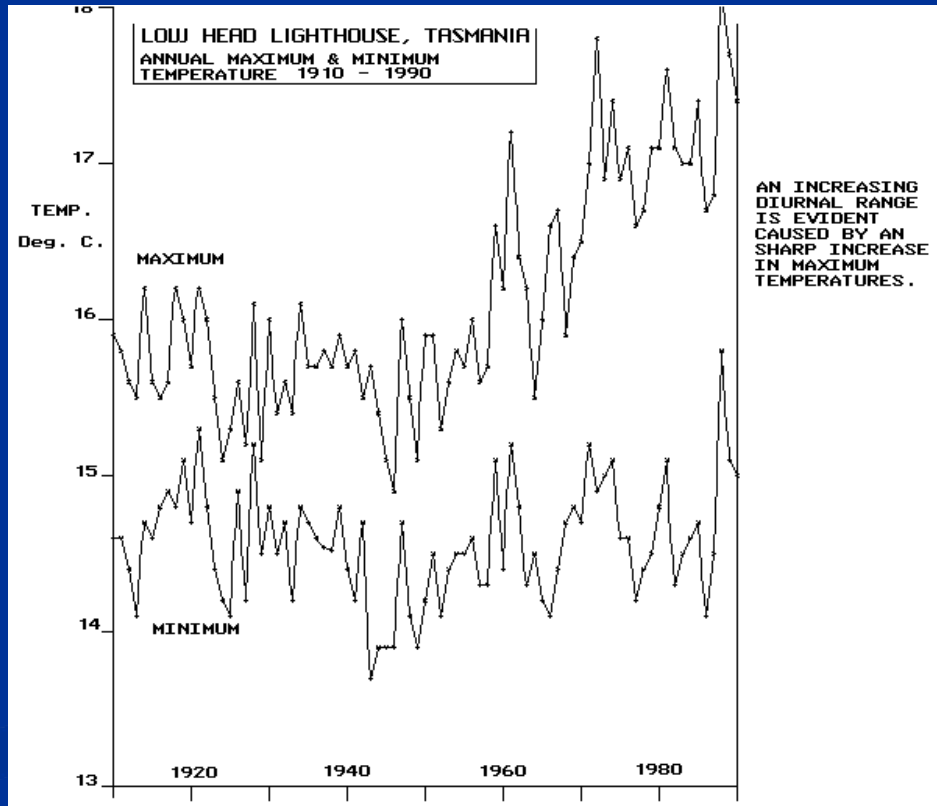


Tucson, AZ

Waste Treatment Plants



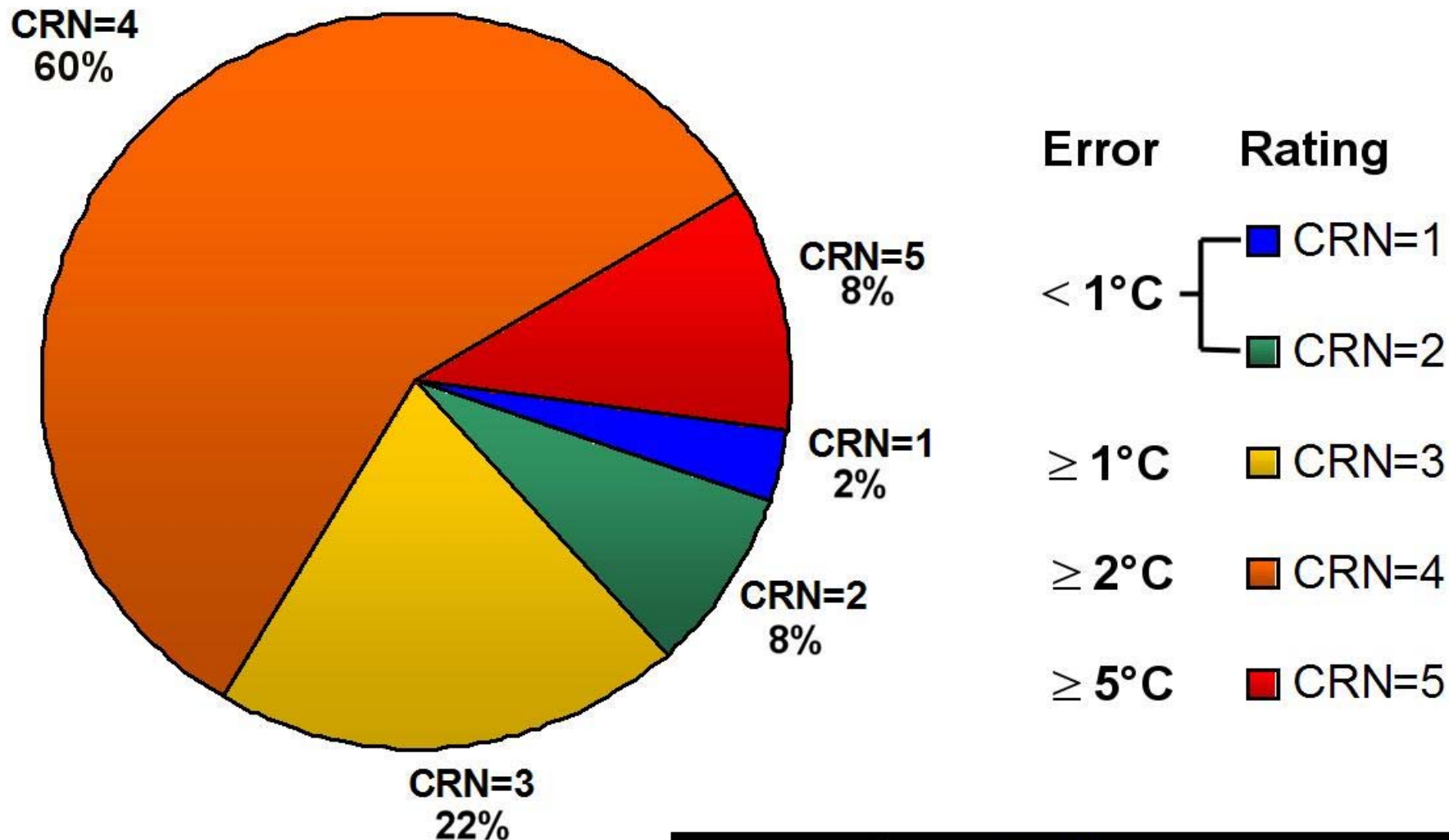
Ontario, OR



Rome's Ciampino Airport



USHCN - Station Site Quality by Rating



948 of 1221 stations rated as of 5/31/09
78% of the total

Contamination of the Data Bases

- Numerous peer-reviewed papers ignored by the IPCC and the data centers have estimated that these problems with the observing networks may account for **30%, 50% or more of warming** since 1880 (*Kalney and Cai, de laet and Maurellis, Pielke and Davey, Pielke et al (numerous), Lin and Pielke, Michaels and Balling, Michaels and McKitrick, Runnals and Oke, Watts*)