

Al Gore's CO₂-global warming theory:

Real facts you are not even supposed to find out!

Willie Soon (vanlien@earthlink.net)[‡]

[‡]The views expressed are solely of the author and do not represent those of any institution with which the author is affiliated.

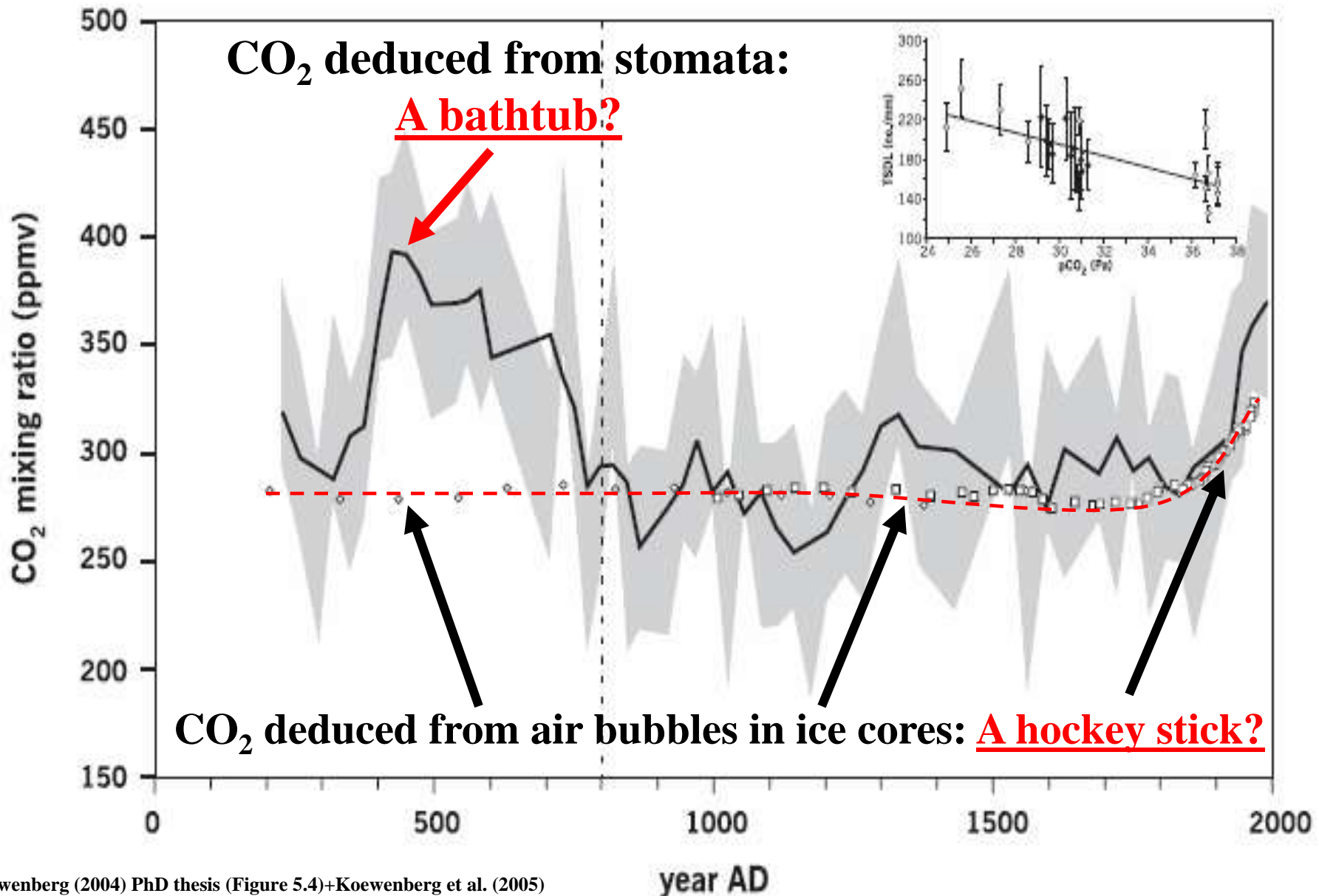
- **Popular claim of the present CO₂ level of 380 ppm never been seen since at least the past 650,000 years is highly questionable and not likely correct.**
- **The level of atmospheric CO₂ is controlled by temperature and other climatic variables *not the other way around.***
- **The magical CO₂ knob for controlling climate and its variability and change simply does not exist!**

Tsuga heterophylla or western hemlock:

Better recorder of CO₂ than **(contaminated)** air bubbles in ice cores?



UN IPCC scientists repeatedly said CO₂ levels cannot vary naturally with large amplitude **BUT they are wrong!**

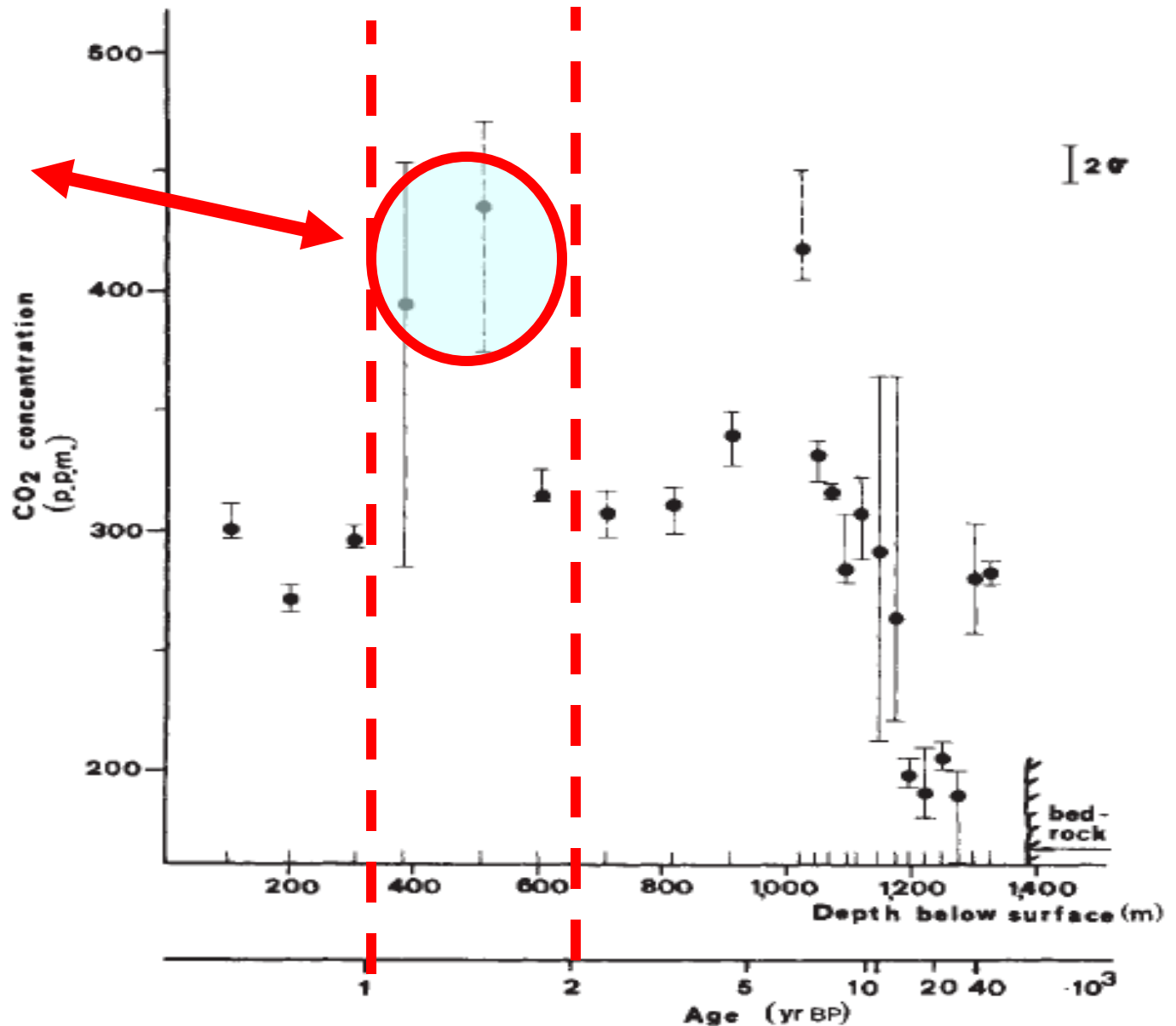


Kouwenberg (2004) PhD thesis (Figure 5.4)+Koewenberg et al. (2005)

Camp Century results in Neftel et al. (1982): An independent confirmation of high CO₂-content in air 1000 to 2000 years ago?

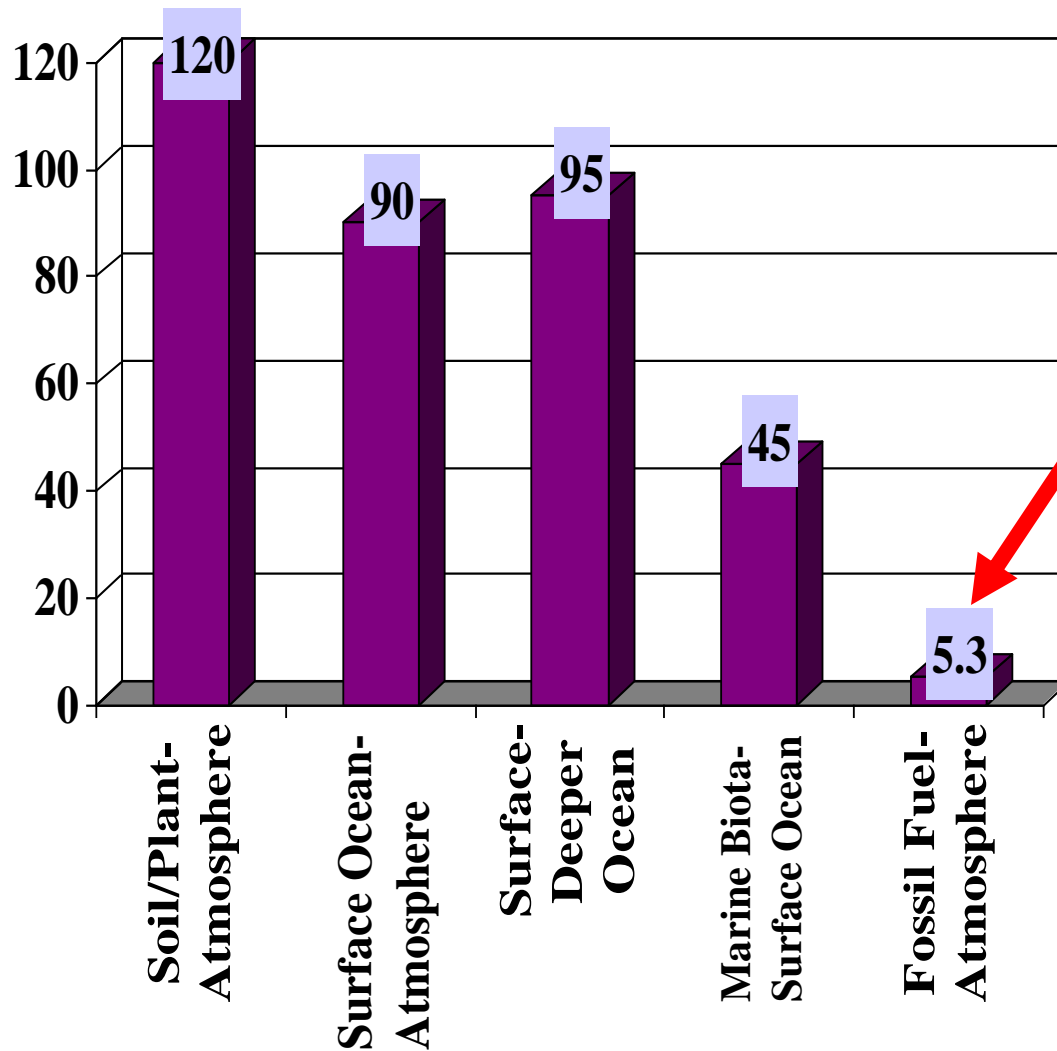
(Nature, vol. 295, 220-223)

BUT these data were discarded as being impossibly high!



Carbon emission from fossil fuel burning annually is **very small** compared to other flows/exchanges of carbon in the global carbon reservoirs

Flows of carbon in Billion tons /year



Roughly equivalent to 0.01 to 0.1 inches/year of the world's topsoil (Dyson 2005)

COMMENTARY

A handful of carbon

Locking carbon up in soil makes more sense than storing it in plants and trees that eventually decompose, argues **Johannes Lehmann**. Can this idea work on a large scale?



Sequestering 'biochar' in soil, which makes soil darker in colour, is a robust way to store carbon.

Why don't we simply restrict the human component of CO₂ emissions anyway?

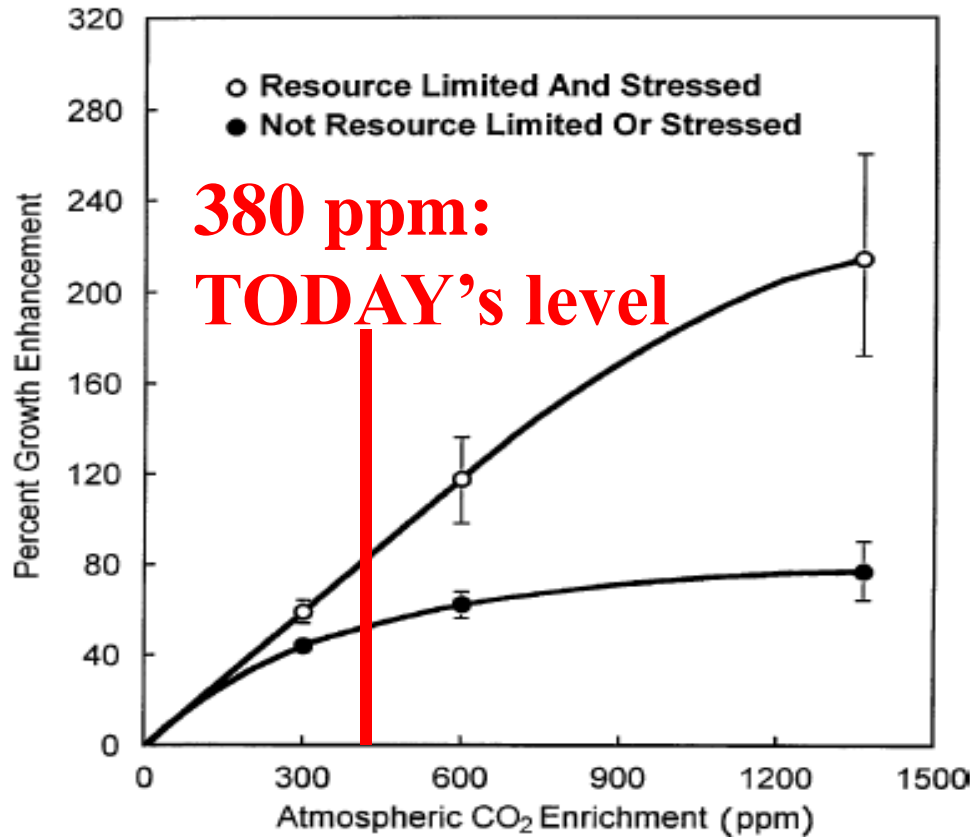
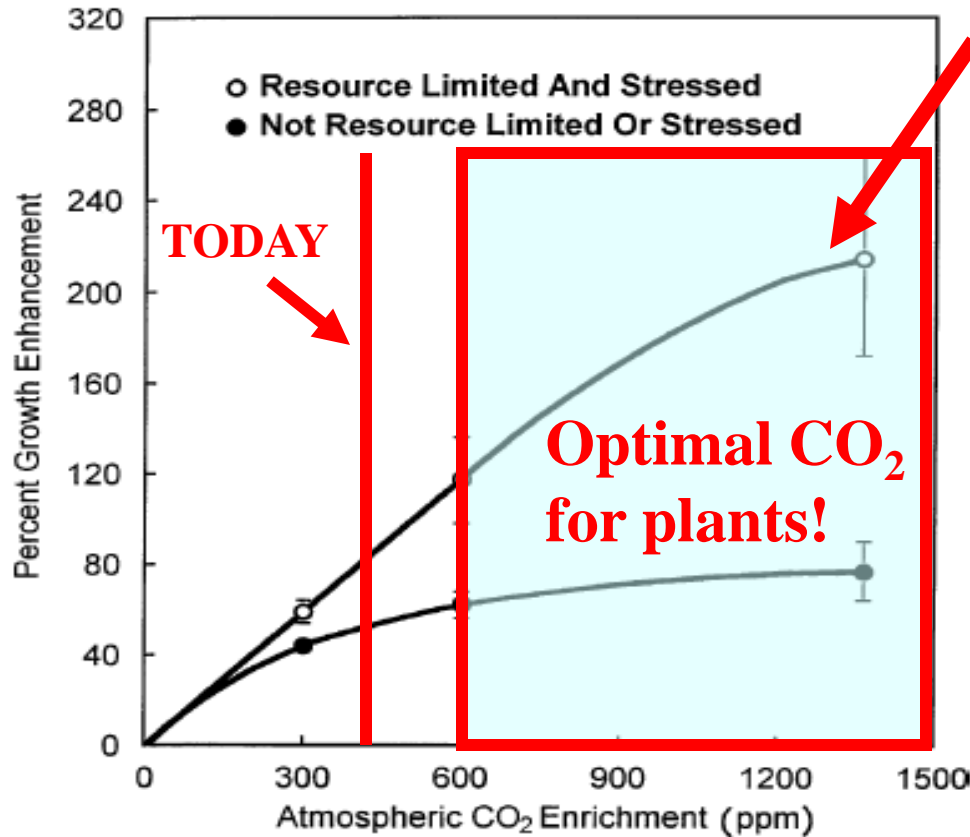


Fig. 13. Summary data from 279 published experiments in which plants of all types were grown under paired stressed and unstressed conditions (Idso & Idso 1994). There were 208, 50, and 21 sets of data at 300, 600, and an average of about 1350 ppm CO₂, respectively. The plant mixture in the 279 studies was slightly biased toward plant types that respond less to CO₂ fertilization than does the actual global mixture and therefore underestimates the expected global response. CO₂ enrichment also allows plants to grow in drier regions, further increasing the expected global response

Why don't we simply restrict the human component of CO₂ emissions anyway?

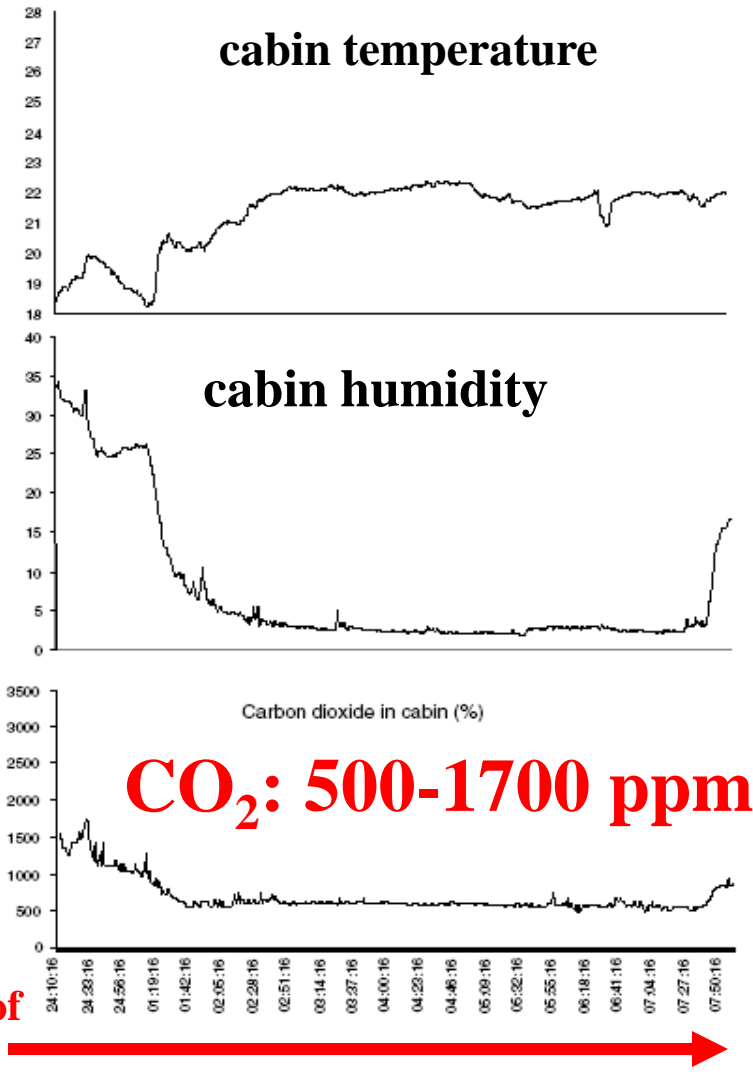


How about the real threats from CO₂ starvation in plants?

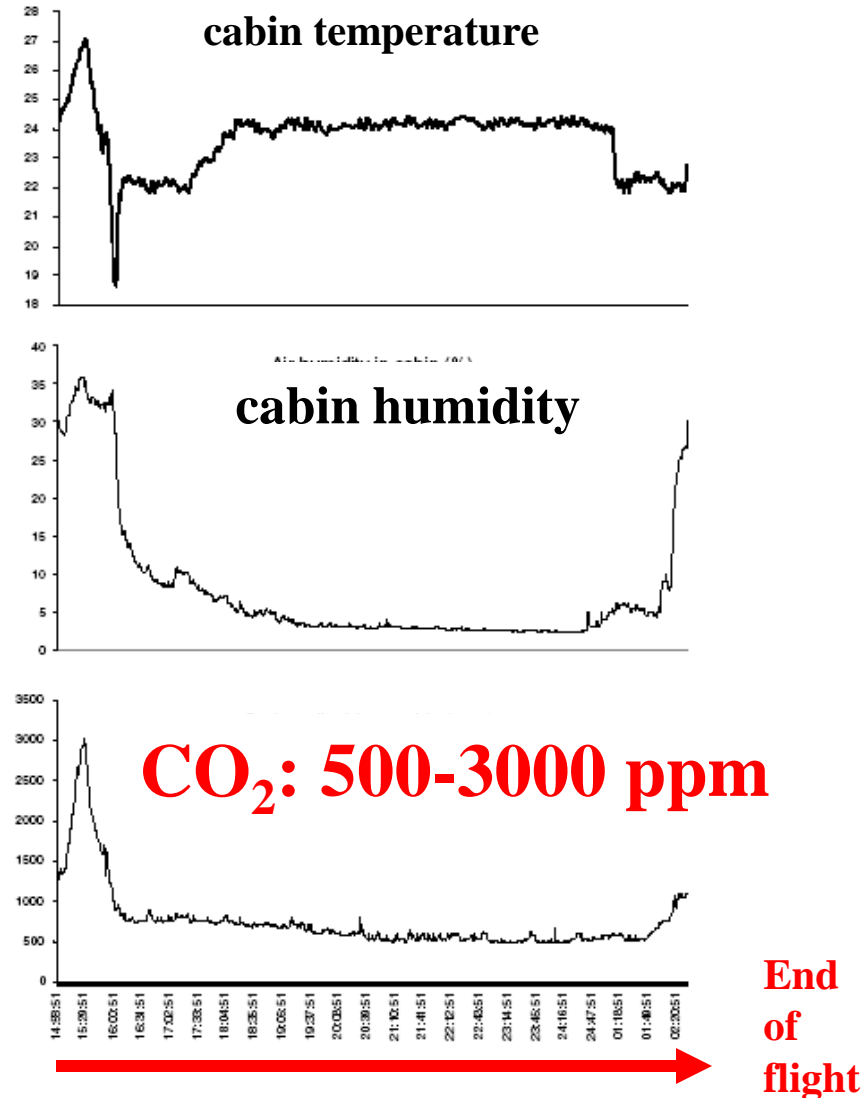
Fig. 13. Summary data from 279 published experiments in which plants of all types were grown under paired stressed and unstressed conditions (Idso & Idso 1994). There were 208, 50, and 21 sets of data at 300, 600, and an average of about 1350 ppm CO₂, respectively. The plant mixture in the 279 studies was slightly biased toward plant types that respond less to CO₂ fertilization than does the actual global mixture and therefore underestimates the expected global response. CO₂ enrichment also allows plants to grow in drier regions, further increasing the expected global response

Reality check: CO₂ levels measured in all 16 flights were as high as 4800 ppm! (but below FAA health limit of 30,000 ppm)

New York-Stockholm (Nov. 1996)



Copenhagen-Osaka (Oct. 1996)





© 2007 Greg Sheffield

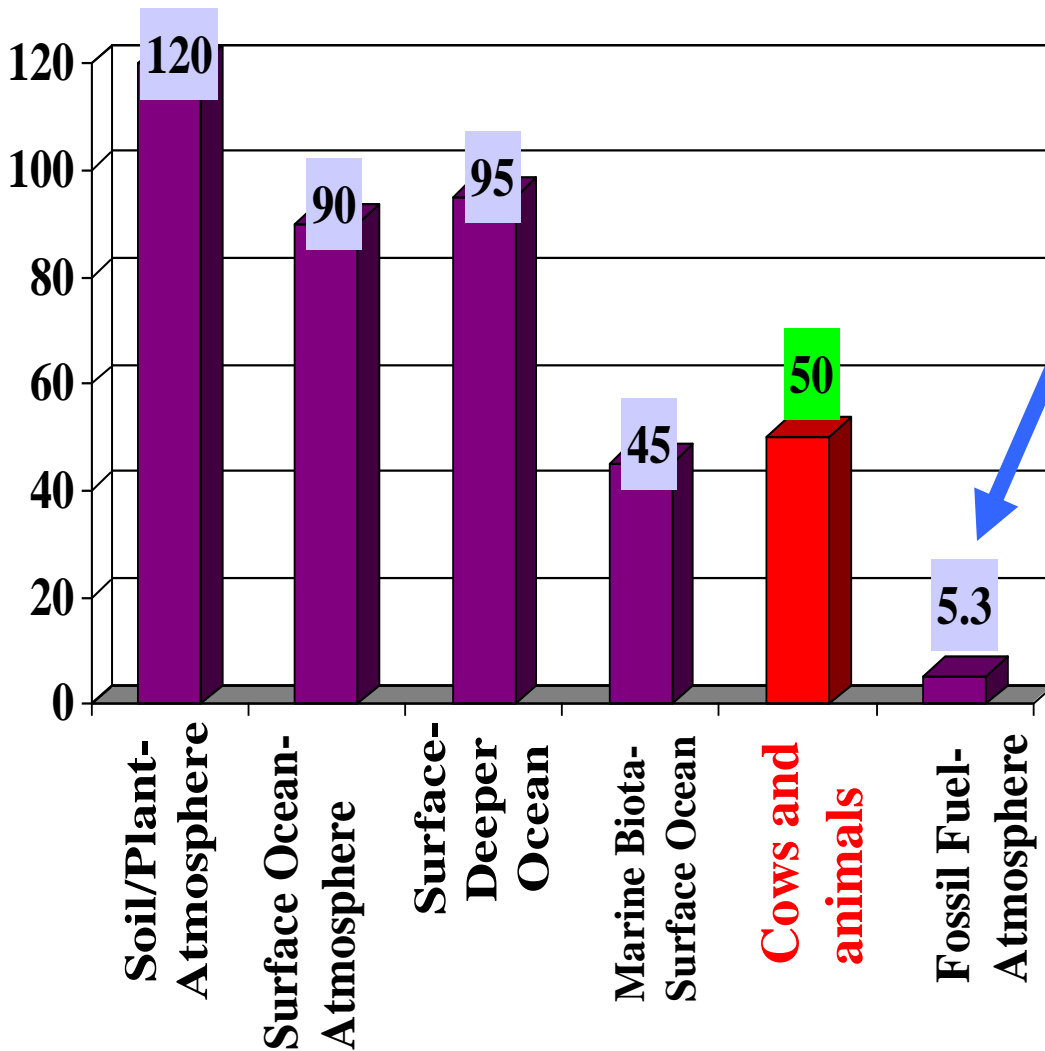


The role of animals and decomposers in modifying the biospheric respiration flux of over 50×10^{15} g C/year [that is over 50 Gt C/yr!] remains a basic, unresolved issue—one which must be addressed to understand the impacts of increasing CO₂ and climate change on ecosystems.

Source:DOE report on “Atmospheric carbon dioxide and the global carbon cycle” (1986)

Carbon emission from fossil fuel burning annually is **very small** compared to other flows/exchanges of carbon in the global carbon reservoirs

Flows of carbon in Billion tons /year



Roughly equivalent to 0.01 to 0.1 inches/year of the world's topsoil (Dyson 2005) AND smaller than cow+animal emissions contrary to popular belief!

Of CO₂, Frisbees and flatulence:

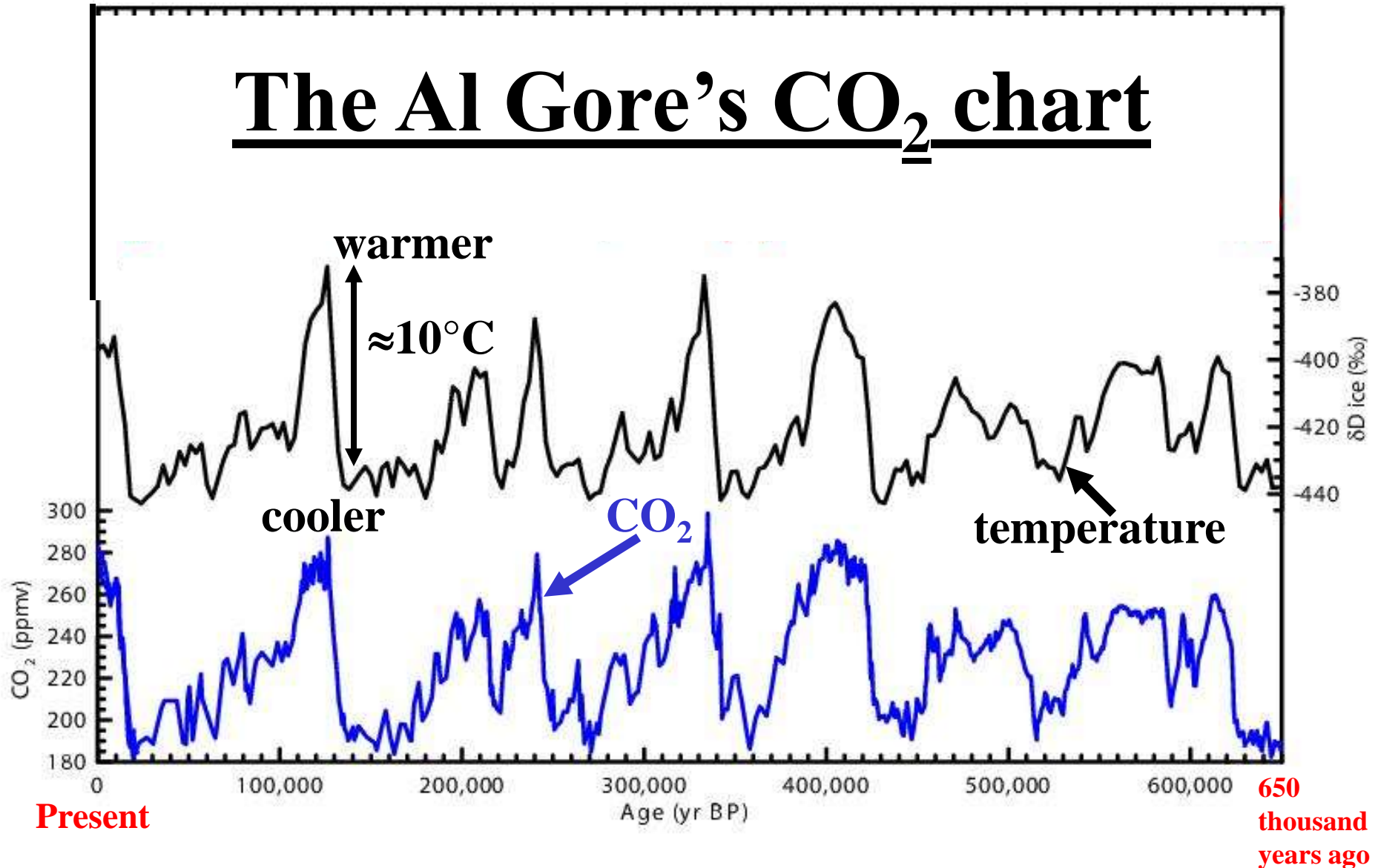
All in the name of “air pollutant”?

“As the Court correctly points out, ‘all airborne compounds of whatever stripe,’ *ante*, at 26, would qualify as ‘physical, chemical, ... substance[s] or matter which [are] emitted into or otherwise ente[r] the ambient air,’ 42 U. S. C. §7602(g). **It follows that *everything* airborne, from Frisbees to flatulence, qualifies as an ‘air pollutant.’ This reading of the statute defies common sense.”**

– p. 10 of Justice Scalia’s dissenting opinion (April 2, 2007)

But CO₂ DOES NOT drive temperature, **it is the temperature that is causing CO₂ to change in this chart!**

The Al Gore's CO₂ chart



Siegenthaler, Stocker et al. (2005) Science, vol. 310, 1313-1317; Spahni et al. (2005) Science, vol. 310, 1317-1321

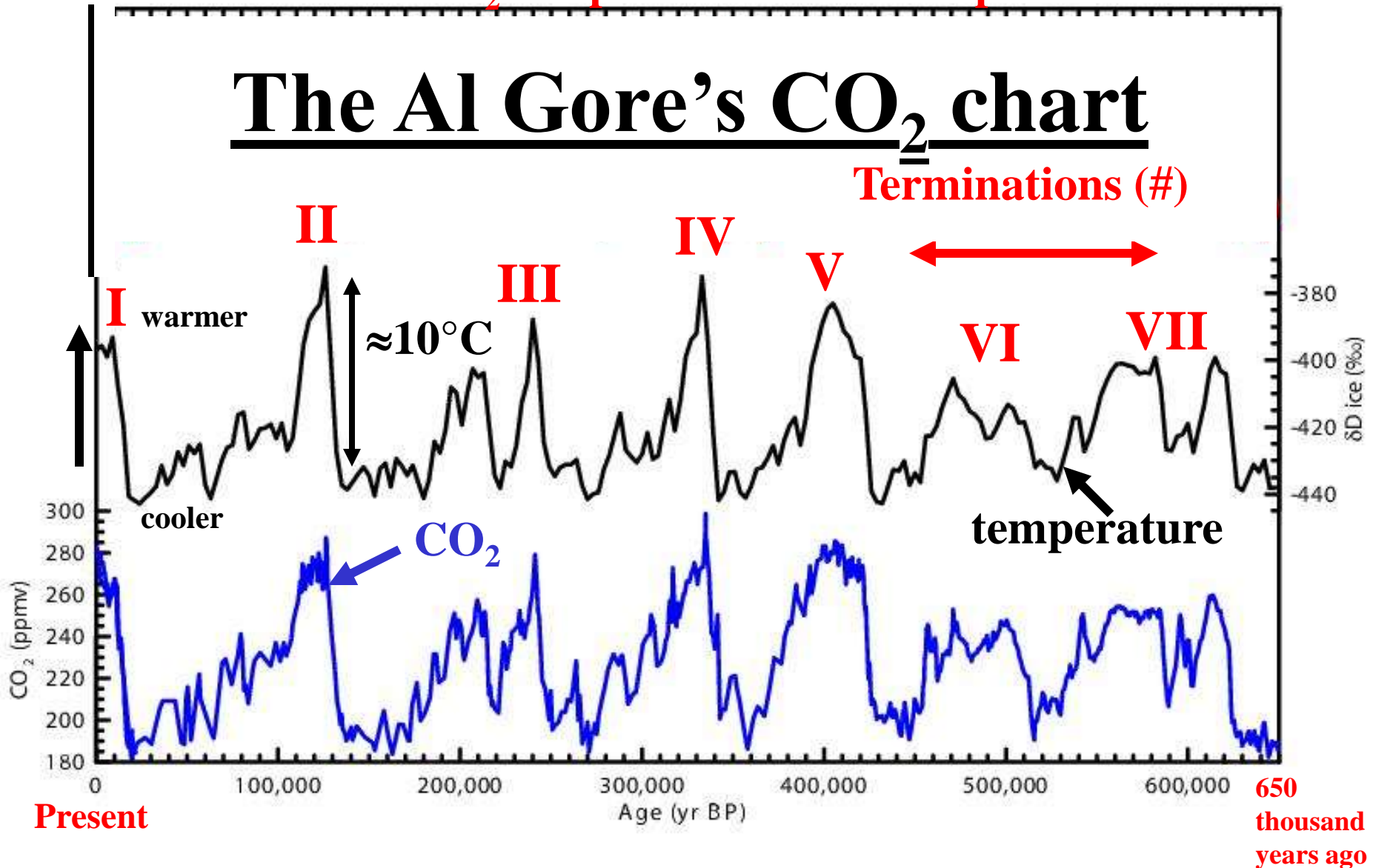
Al Gore, p. 67 of AIT:

“It’s a **complicated** relationship, but the most important part of it is this: When there is more CO₂ in the atmosphere, the temperature increases because more heat from the Sun is trapped inside. ... **There is not a single part of this graph—no fact, date, or number—that is controversial in any way or in dispute by anybody.**”

But what does the original authors of

this multi-million-dollars ice-core project (EPICA) really said about the CO₂-temperature relationship?

The Al Gore's CO₂ chart



Siegenthaler, Stocker et al. (2005) Science, vol. 310, 1313-1317; Spahni et al. (2005) Science, vol. 310, 1317-1321

Gore is ignoring/hiding the conclusion of temperature leading CO₂
by the original authors of the EPICA ice-core project

“The lags of CO₂ with respect to the Antarctic temperature over glacial terminations V to VII are 800, 1600, and 2800 years, respectively, which are consistent with earlier observations during the last four glacial cycles. ” [from Vostok records]

(Siegenthaler et al., 2005, Science, vol. 310, 1313-1317)

All careful studies suggested temperature \Rightarrow CO₂ relation:

To find otherwise would require extra-ordinary explanation of how CO₂ and global carbon budget varies!

Time lag of CO₂ after Antarctic temperature

Ice core	Age interval	Estimated phase lag (yr)	Ice age - gas age (yr)	Comments	Reference
Vostok	Ends of Termination I, II, III	600 \pm 400	3400 ~ 6800		Fischer et al. (1999)
Vostok	Termination III	800 \pm 200	3400 ~ 6800	$\delta^{40}\text{Ar}$ as proxies for accumulation rate and temp	Caillon et al. (2003)
EPICA Dome C	Termination I Beginning	410 800 \pm 600	2100 ~ 5600		Monnin et al. (2001)
Taylor Dome	20 ~ 60 kyr (last glacial)	1200 \pm 700	1200 ~ 1600	δD of Vostok	Indermühle et al. (2000)
Byrd	30 ~ 65 kyr	720 \pm 370	500		Ahn and Brook (2007)
Siple Dome	Termination I (10 ~ 19 kyr)	210 ~ 330	200 ~ 1000		Ahn et al. (2004)

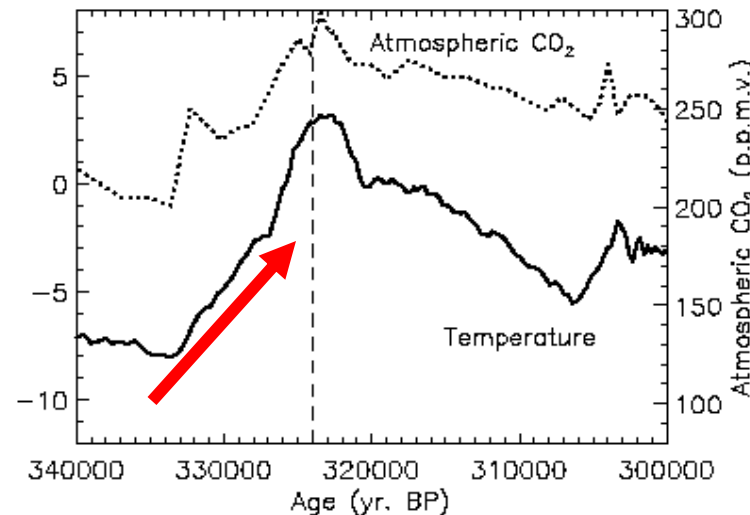
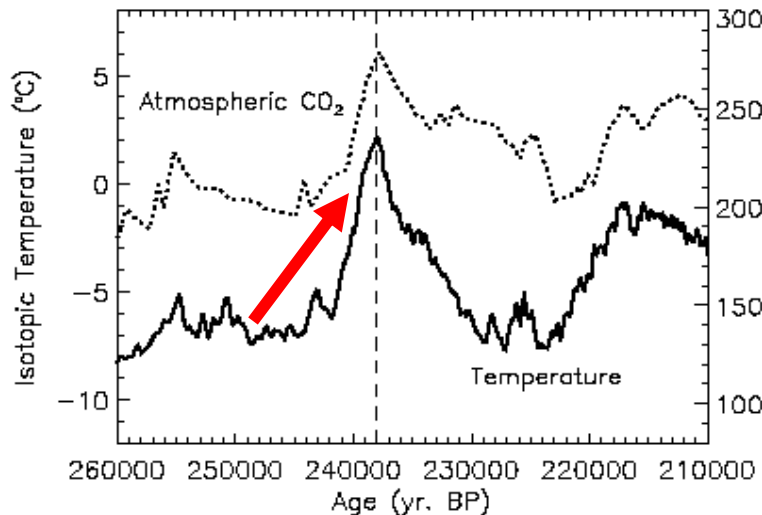
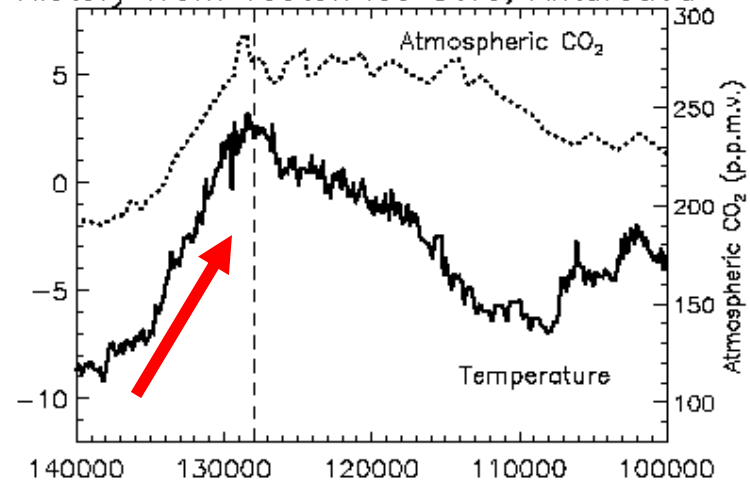
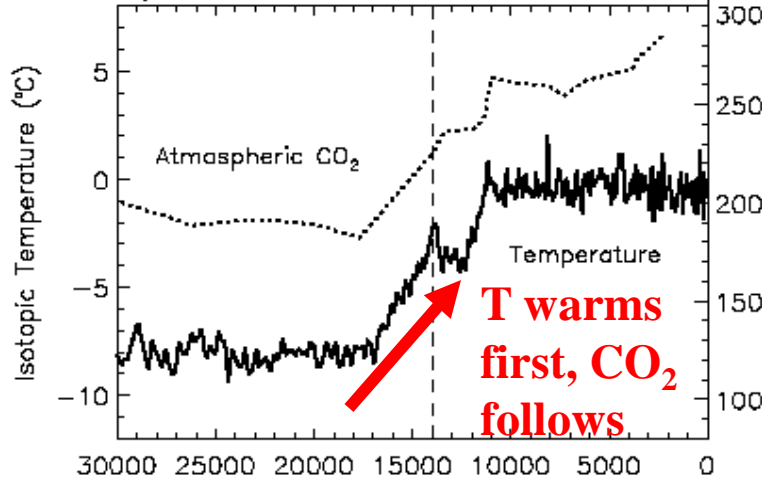
Note: the time lags are mean values during the studied intervals and do not characterize all specific time intervals.

Can one argue that lung cancer causes cigarette smoking?

“High-resolution records from Antarctic ice cores show that carbon dioxide concentrations increased by 80 to 100 [ppmv] 600 ± 400 years after the warming of the last last three deglaciations.” (Fischer et al., 1999, Science, vol. 283, 1712-1714)

Data Courtesy of Jean Robert Petit and colleagues

420,000 Years of Climate and Atmospheric History from Vostok Ice Core, Antarctica

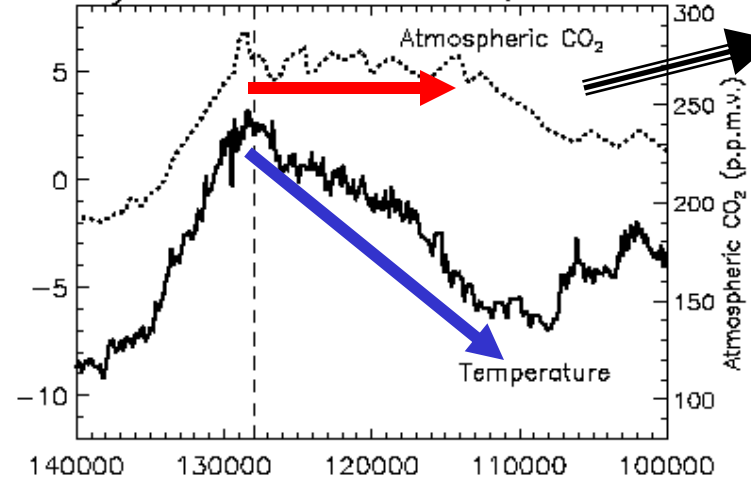
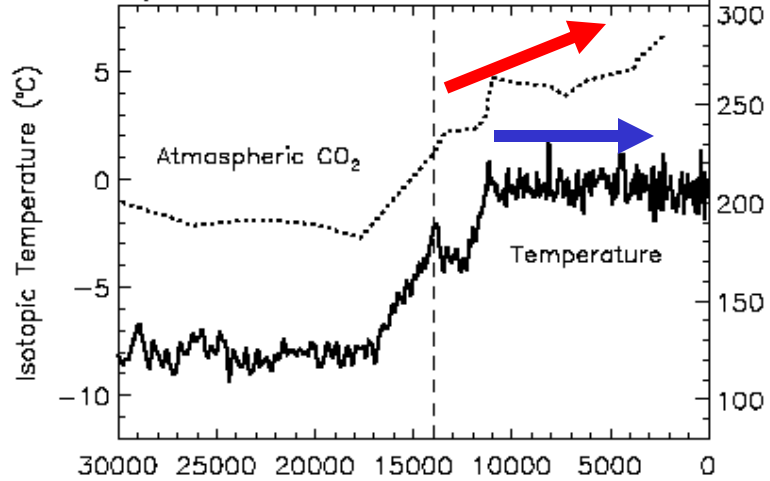


Can one argue that lung cancer causes cigarette smoking?

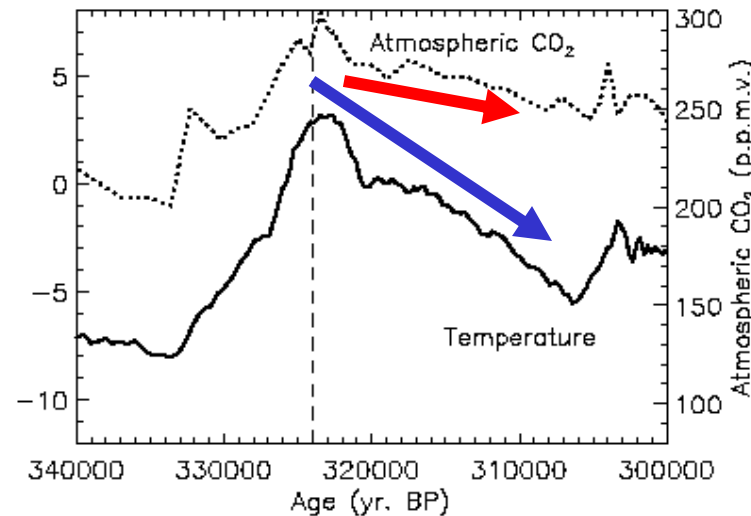
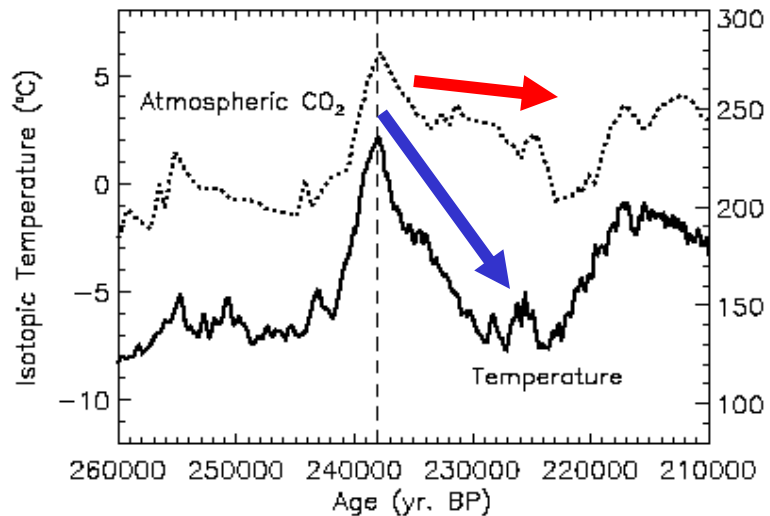
“Despite strongly decreasing temperatures, high carbon dioxide concentrations can be sustained for thousands of years during glaciation; the size of this phase lag is probably connected to the duration of the preceding warm period, which controls the change in land ice coverage and the buildup of the terrestrial biosphere.” (Fischer et al., 1999, Science, vol. 283, 1712-1714)

Data Courtesy of Jean Robert Petit and colleagues

420,000 Years of Climate and Atmospheric History from Vostok Ice Core, Antarctica



T drops rapidly or stays flat, while air's CO₂ remains high or relatively stable



Global Warming 101 starring *Al Gore* himself

Al Gore

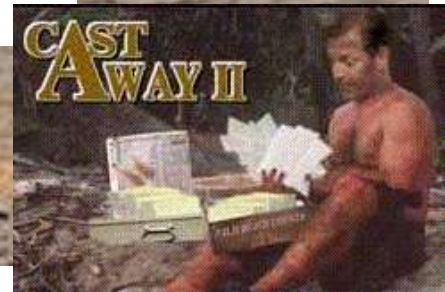
CAST
AWAY



NOW AVAILABLE ON DVD & VHS

"Tomorrow, the sun will rise...
oh, who am I kidding?"

**Is this an inconvenient
truth or simply an assault
on my reasons?**



A frank testimony on *An Inconvenient Truth*

“I really don’t understand why they keep showing it.”

–McKenzie, an 18-year-old high-school student from Northern Ontario after AIT film being shown to him in **four different classes (by May 2007): **world history, economics, world issues, and environment****

“A gathering of liars and charlatans”:

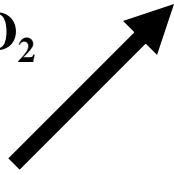
The deliberate
misrepresentations or cover-
ups of the idea of CO₂ as
amplifier of global warming
and climate change?

(Boston Globe, December 17, 2006's article

“On a swift boat to a warmer world” by Daniel P. Schrag)

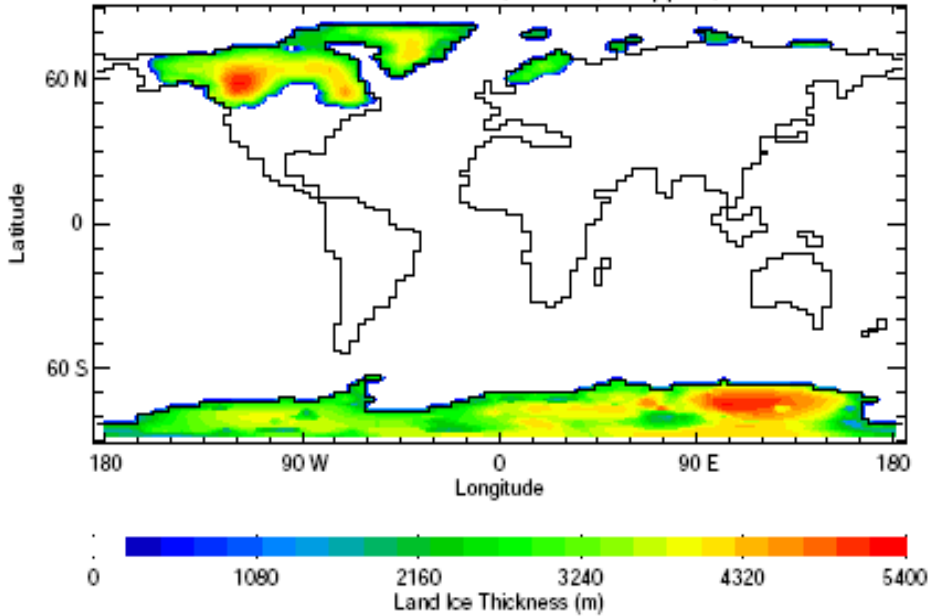
Orbit = 11 kyrBP; CO₂ = 200 ppm

same CO₂

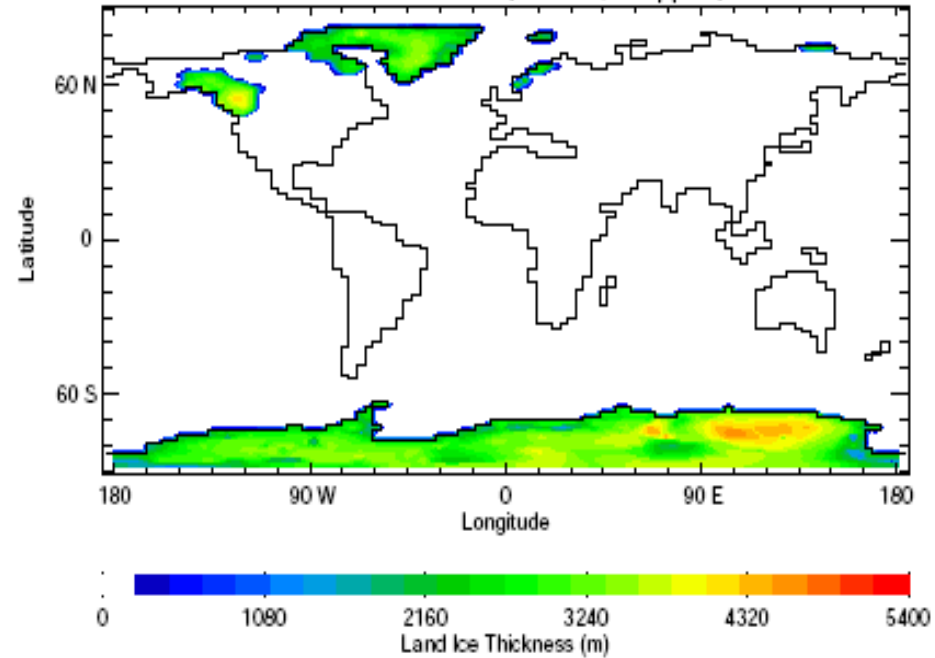


Orbit = 21 kyrBP; CO₂ = 200 ppm

Simulated Land Ice (21kaBP; 200ppmv)



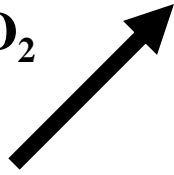
Simulated Land Ice (11kaBP; 200ppmv)



Orbit = 21 kyrBP; CO₂ = 200 ppm

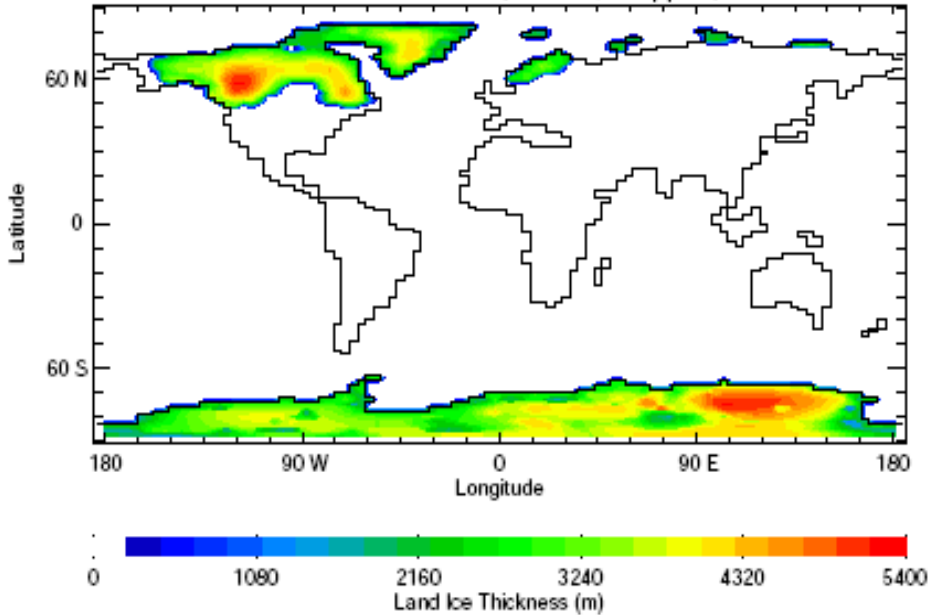
Orbit = 11 kyrBP; CO₂ = 200 ppm

same CO₂

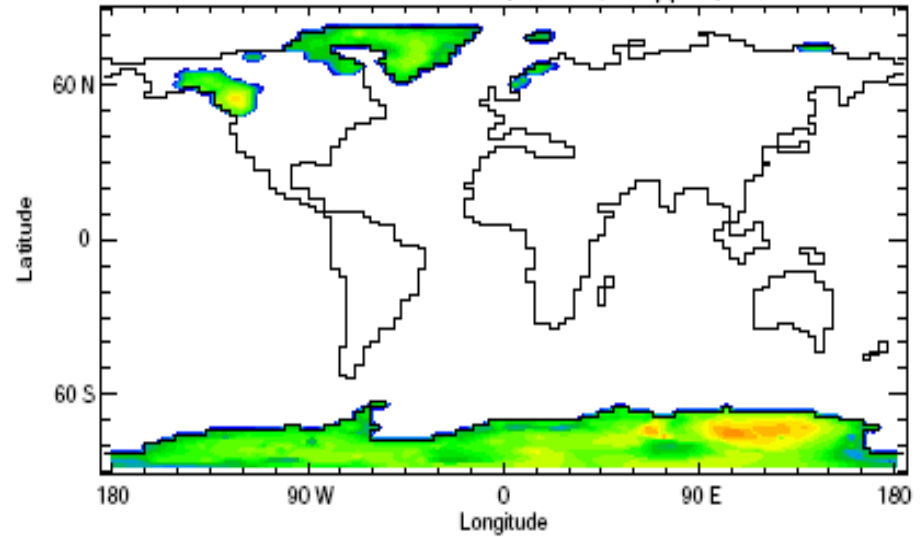


Orbit = 21 kyrBP; CO₂ = 200 ppm

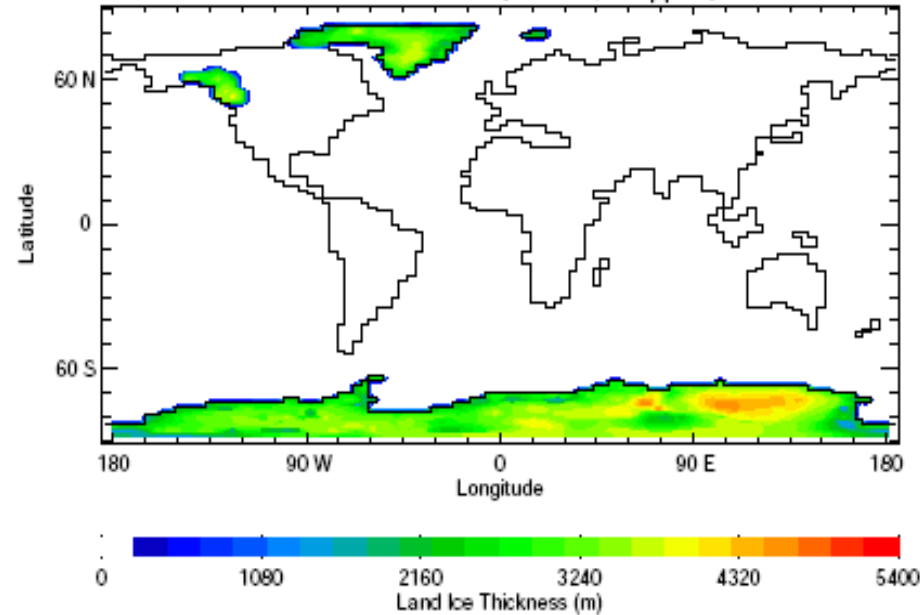
Simulated Land Ice (21kaBP; 200ppmv)



Simulated Land Ice (11kaBP; 200ppmv)

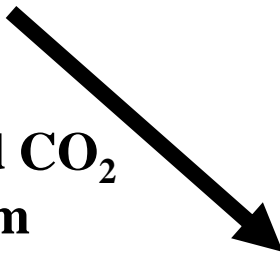


Simulated Land Ice (11kaBP; 280ppmv)



Orbit = 21 kyrBP; CO₂ = 200 ppm

increased CO₂
by 80 ppm



Orbit = 11 kyrBP; CO₂ = 280 ppm

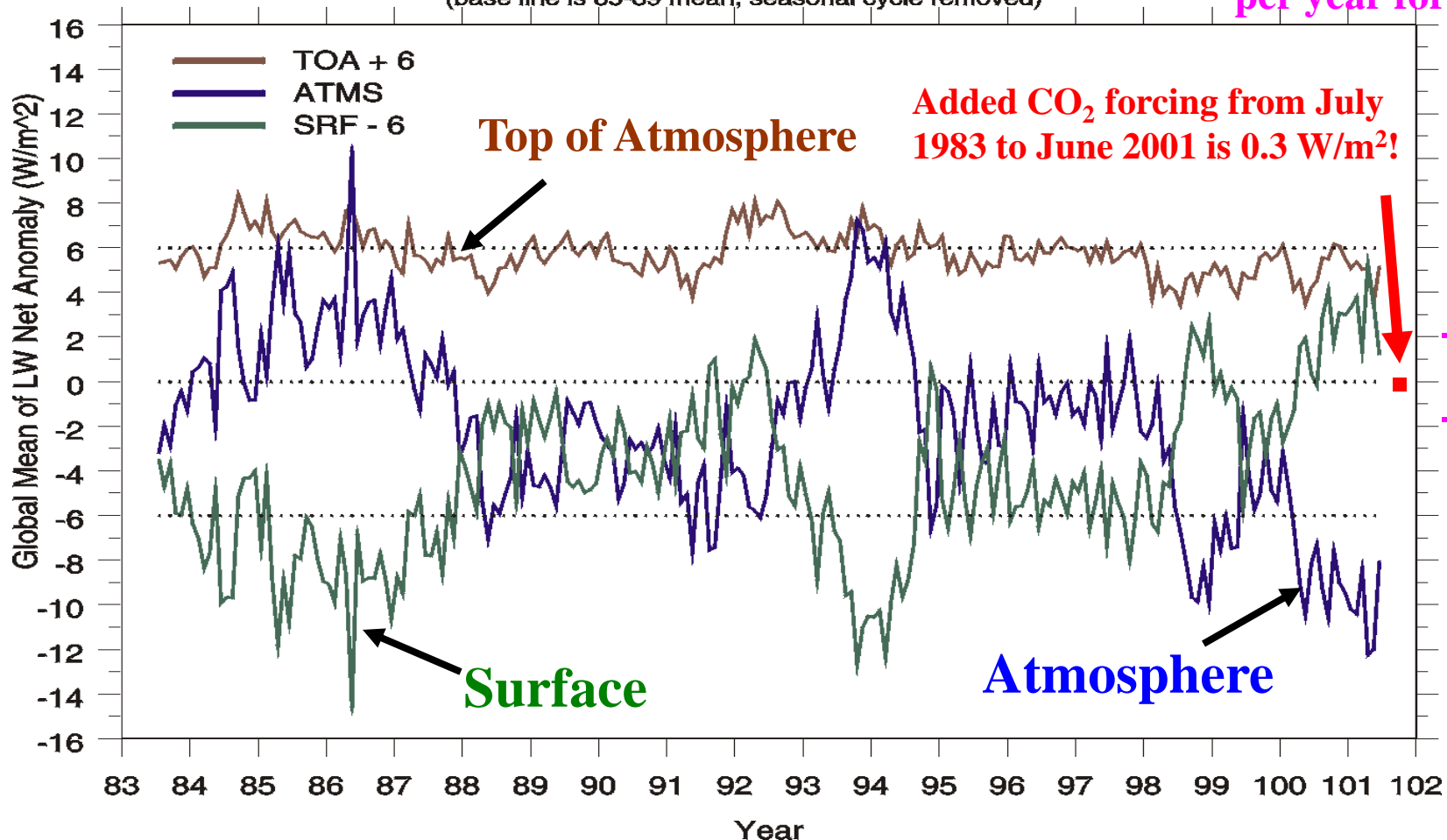
Large Interannual Variability of Net LW Radiation: Where is the man-made CO₂ forcing?

(Zhang and Rossow, *GEWEX News*, vol. 12, p. 7, November 2002)

Global Mean Anomaly of LW Net from ISCCP FD Data

(base line is 85-89 mean, seasonal cycle removed)

4 W/m² (doubling of
CO₂ or 1% increase
per year for 70 years)



May 22, 2007

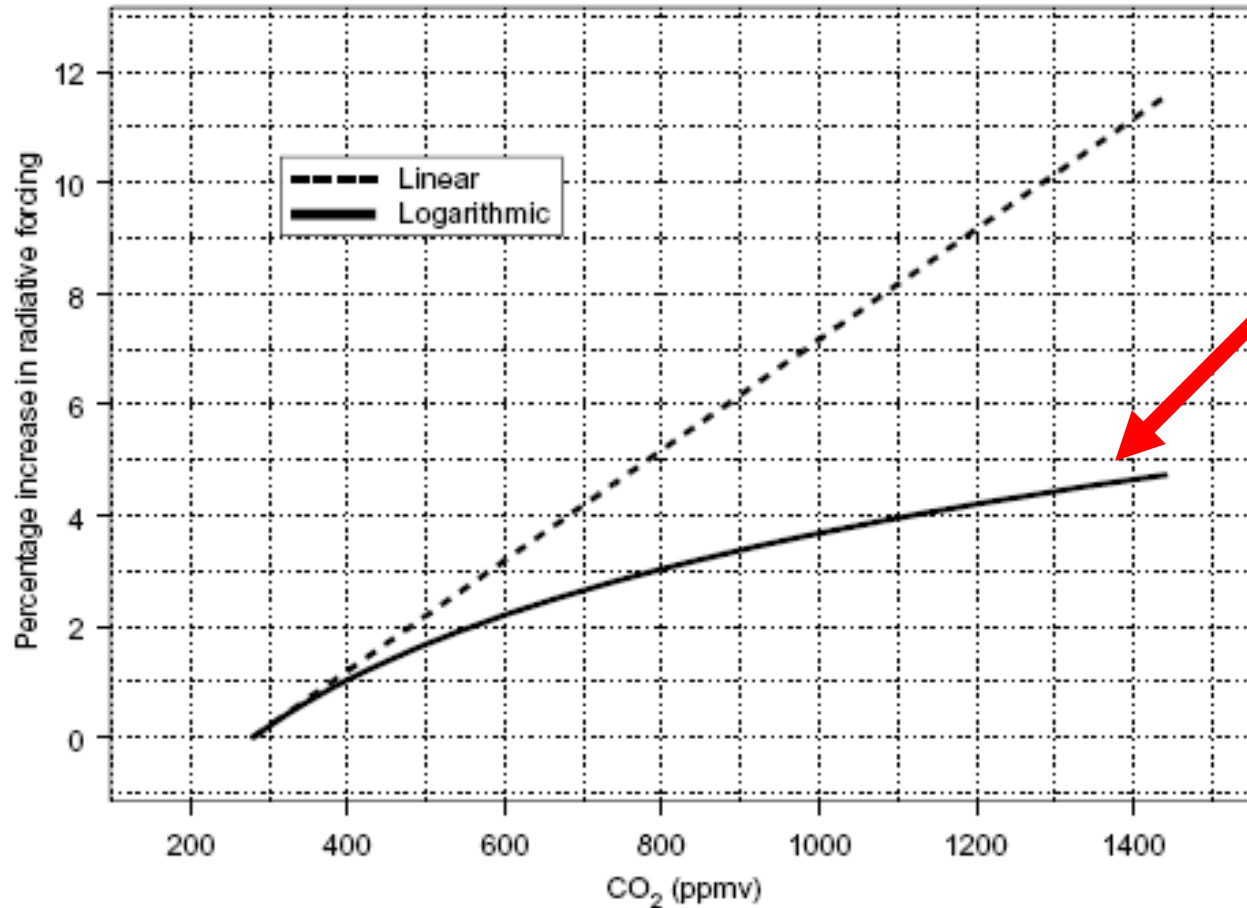
Dear Willie Soon,

One thing we know for sure, guaranteed by the laws of physics, is that the effect of CO₂ on radiation transport in the atmosphere is proportional to the logarithm of the CO₂ concentration. This is true because because the effect is due to the widening of saturated absorption lines. So the effect of additional CO₂ decreases rapidly as the concentration increases. I have never seen this fact mentioned in all the propaganda about global warming.

Yours sincerely, Freeman Dyson (dyson@ias.edu)

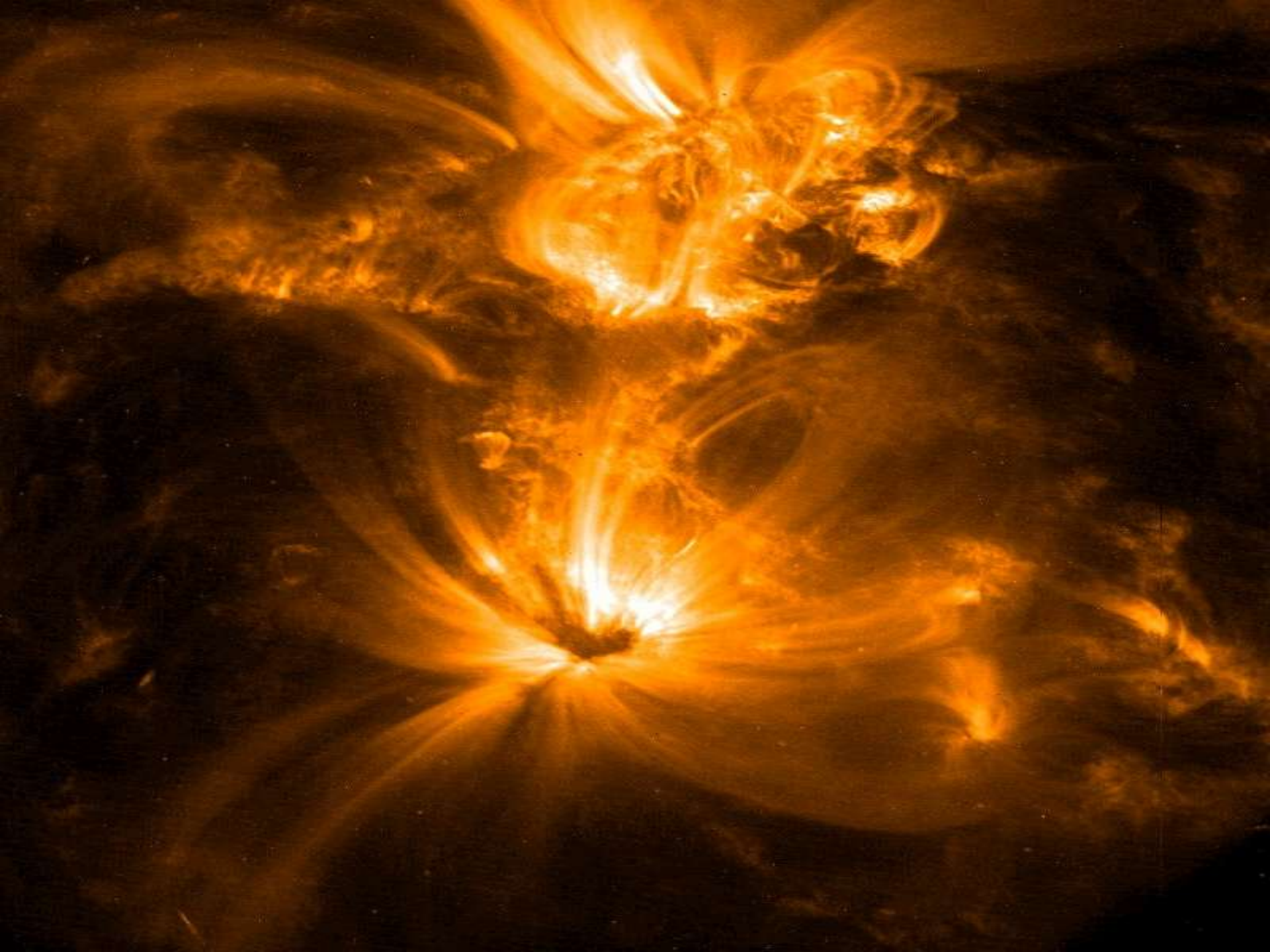
Professor Dick Lindzen of MIT explains CO₂ forcing

(source: Stockholm's talk on May 5, 2006)

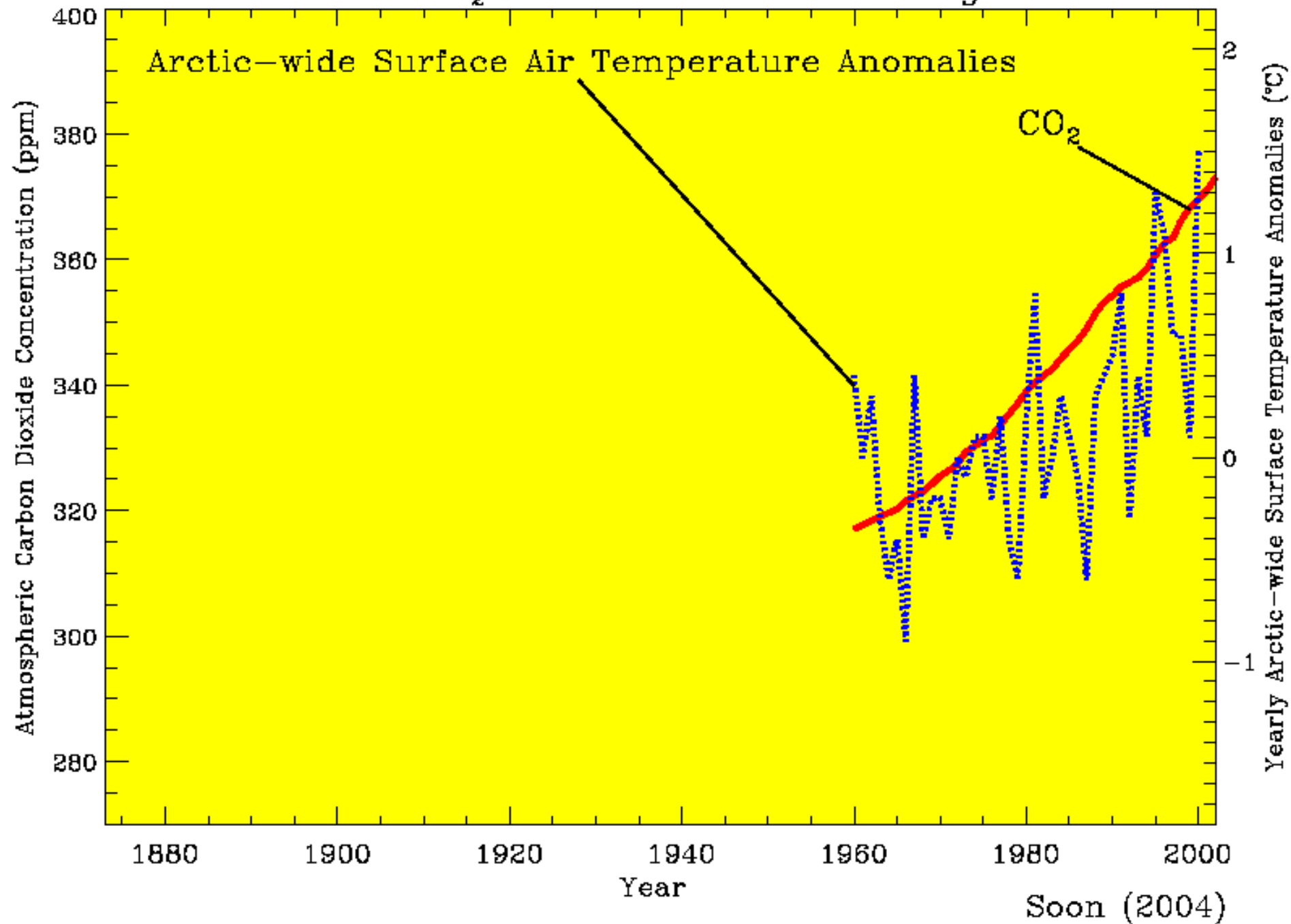


The CO₂ forcing follows the logarithmic rather than the linear curve. Note that the logarithmic curve rises ever more slowly as the CO₂ increases.

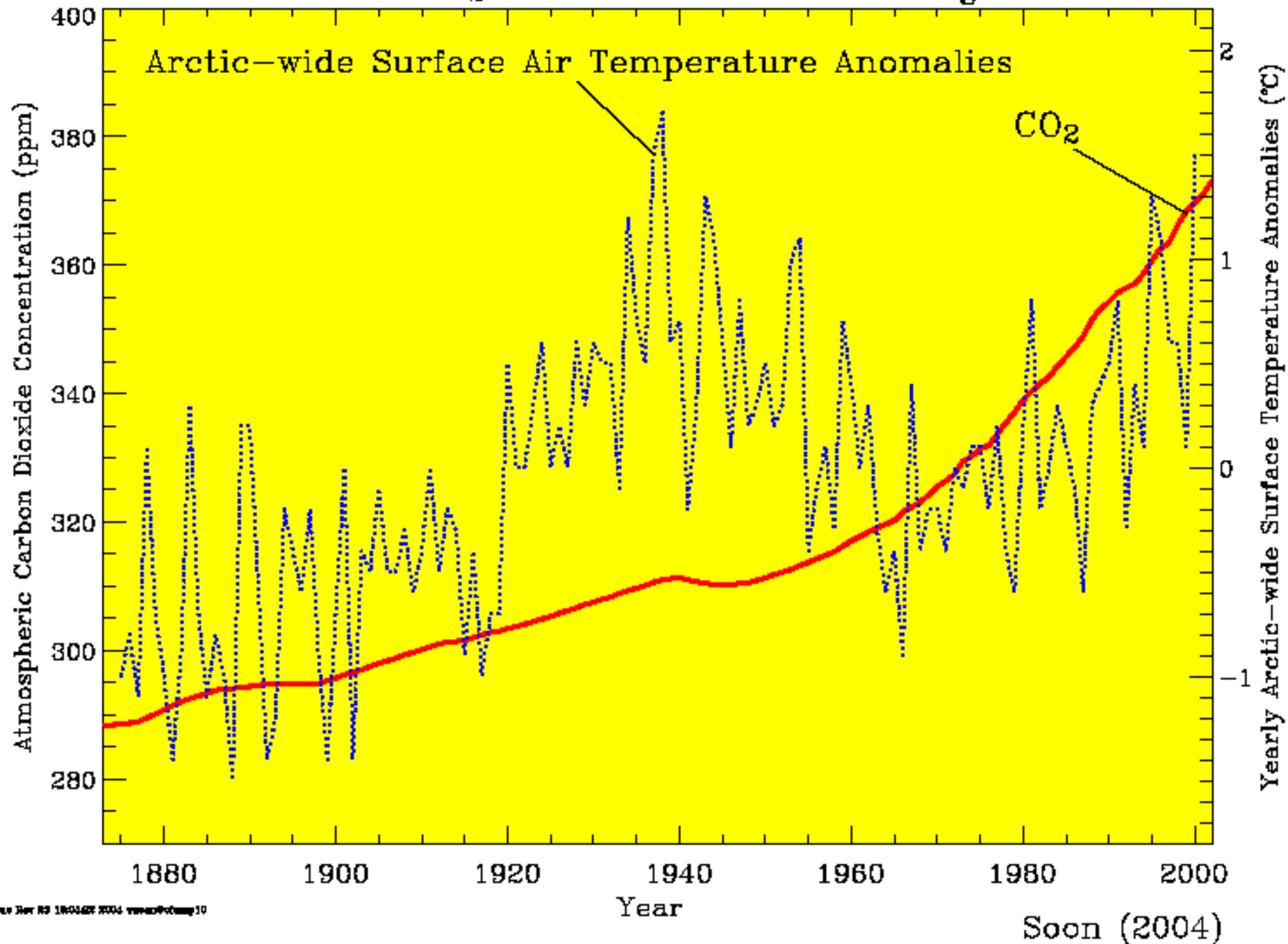
The easiest way to understand this is to consider adding thin layers of paint to a pane of glass. The first layer cuts out much of the light, the next layer cuts out more, but subsequent layers do less and less because the painted pane is already essentially opaque.



A CO_2 -Caused Arctic Warming?

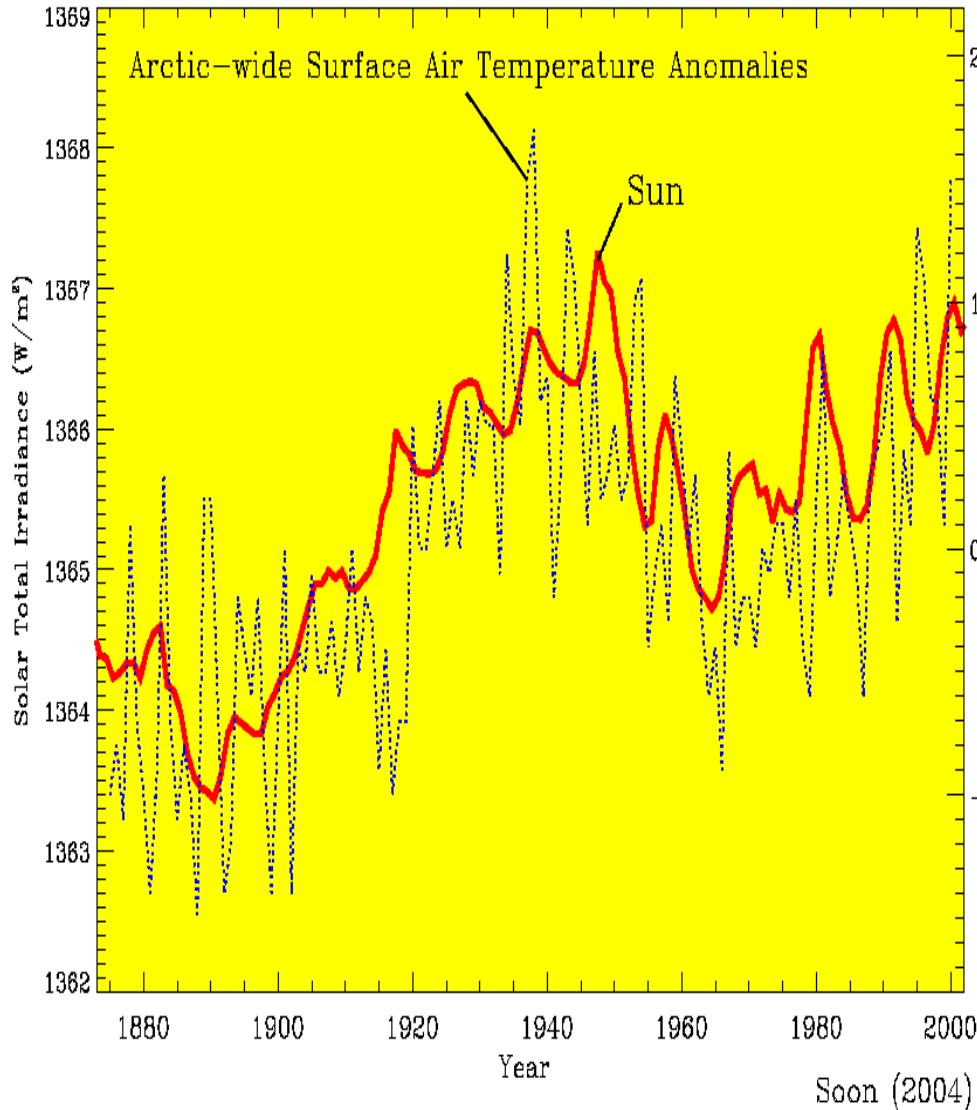


A CO₂-Caused Arctic Warming?

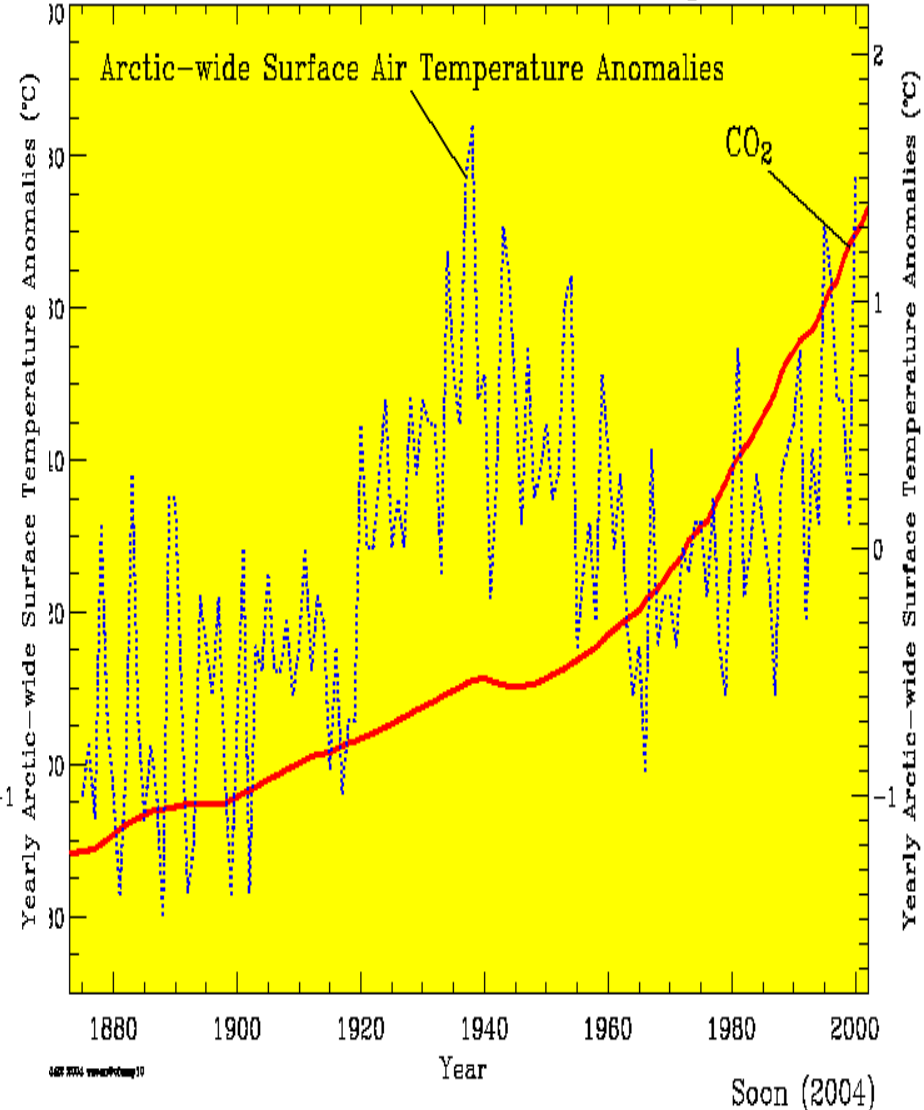


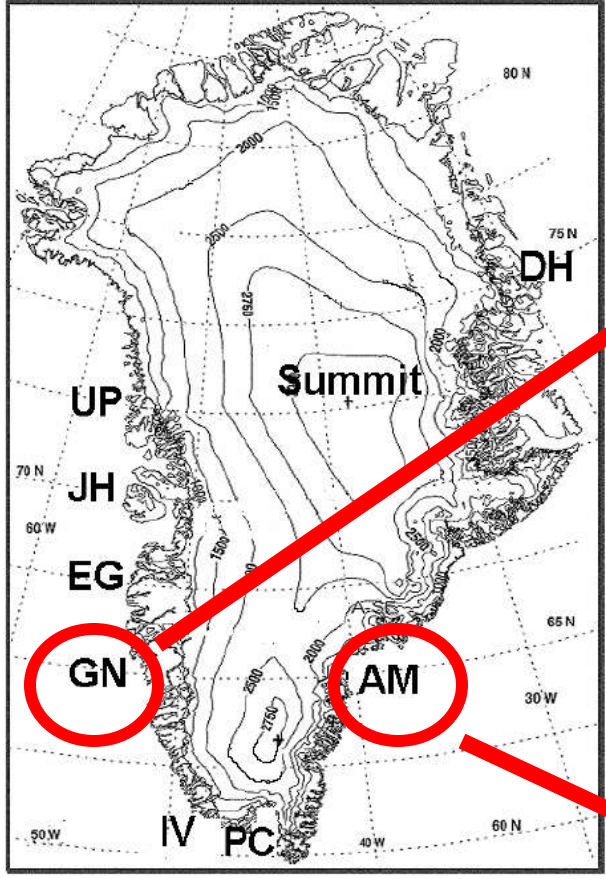
The Sun is a more likely and more dominant driver of the recorded Arctic temperature variations

A Sun-Climate Coincidence?

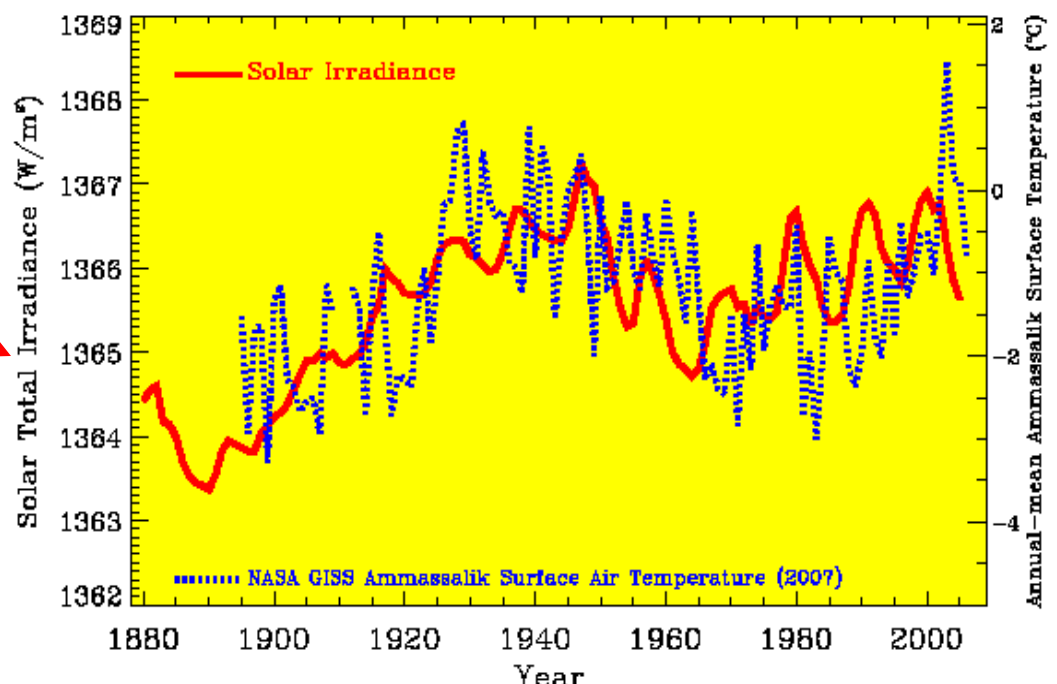
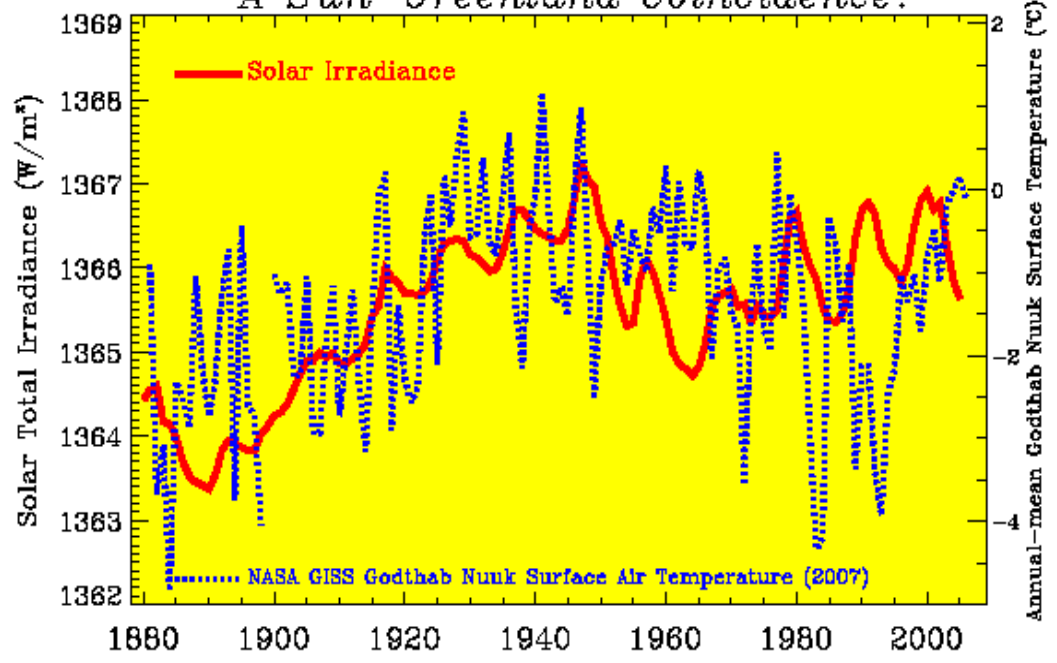


A CO₂-Caused Arctic Warming?



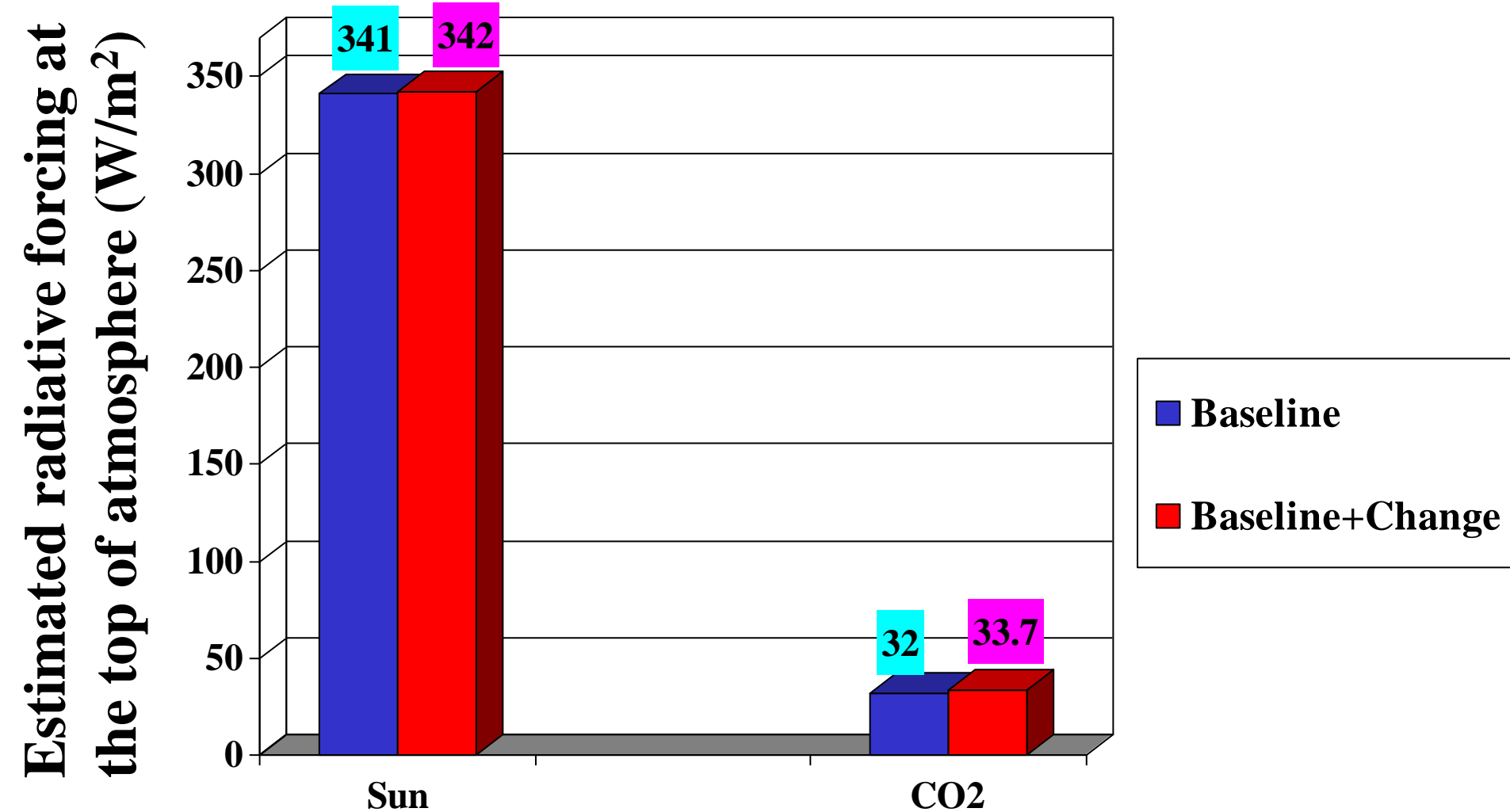


A Sun-Greenland Coincidence?



Source: Soon (2007)

Solar versus CO₂ radiative forcings over the past 150 years: Why the Sun is a more important climate driver!



Source: Soon (2007)



WHAT YOU NEED TO KNOW NOW

ENVIRONMENT



Guilty Parties? (From left to right) The Ford Hummer, rice fields, the sun

Photos: Scott Olson / Getty Images (right); Getty Images (center); Anup Shah / Getty Images



Which of These Is Not Causing Global Warming Today?

A. Sport utility vehicles; B. Rice fields; C. Increased solar output.

[Click here for the answer.](#)

By Sharon Begley and Andrew Murr
Newsweek

July 2-9, 2007 issue – When 600 climate scientists from 40 countries reported in February that there was, for the first time, "unequivocal" evidence that the world is warming and greater than 90 percent certainty that man-made greenhouse gases have caused most of the warming since 1950, at least one expert demurred. "We're going to see a big debate on it going forward," said Vice President Dick Cheney. By "it," he meant "the extent to which [the warming] is part of a normal cycle versus the extent to which it's caused by man."

NEWSWEEK VIDEO AND AUDIO

Newsweek's video and audio reports require Flash 8 or greater. [Click here to upgrade.](#)

WHAT YOU NEED TO KNOW NOW

- | | |
|----------------------|-------------------|
| International | Science |
| Politics | Sports |
| Environment | Music |
| Faith | Art |
| Business | Literature |
| Technology | Film |
| Health | |

The answer: the Sun (of course!) with only 17% of those surveyed by Newsweek got the "correct" answer!

Newsweek

[Subscribe Now](#)

[Table of Contents](#)

[Periscope](#)

[My Turn](#)

[National News](#)

[Politics](#)

[World News](#)

[International Ed.](#)

[War in Iraq](#)

[Business](#)

[Enterprise](#)

[Tech & Science](#)

[Health](#)

[Society](#)

[Education](#)

[Entertainment](#)

[Tip Sheet](#)

[The Boomer Files](#)

[Columnists](#)

[Letters & Live Talks](#)

[Multimedia/Photos](#)

[Search Archives](#)

[Xtra.newsweek.com](#)

Video

[U.S. News](#)

[Politics](#)

[World News](#)

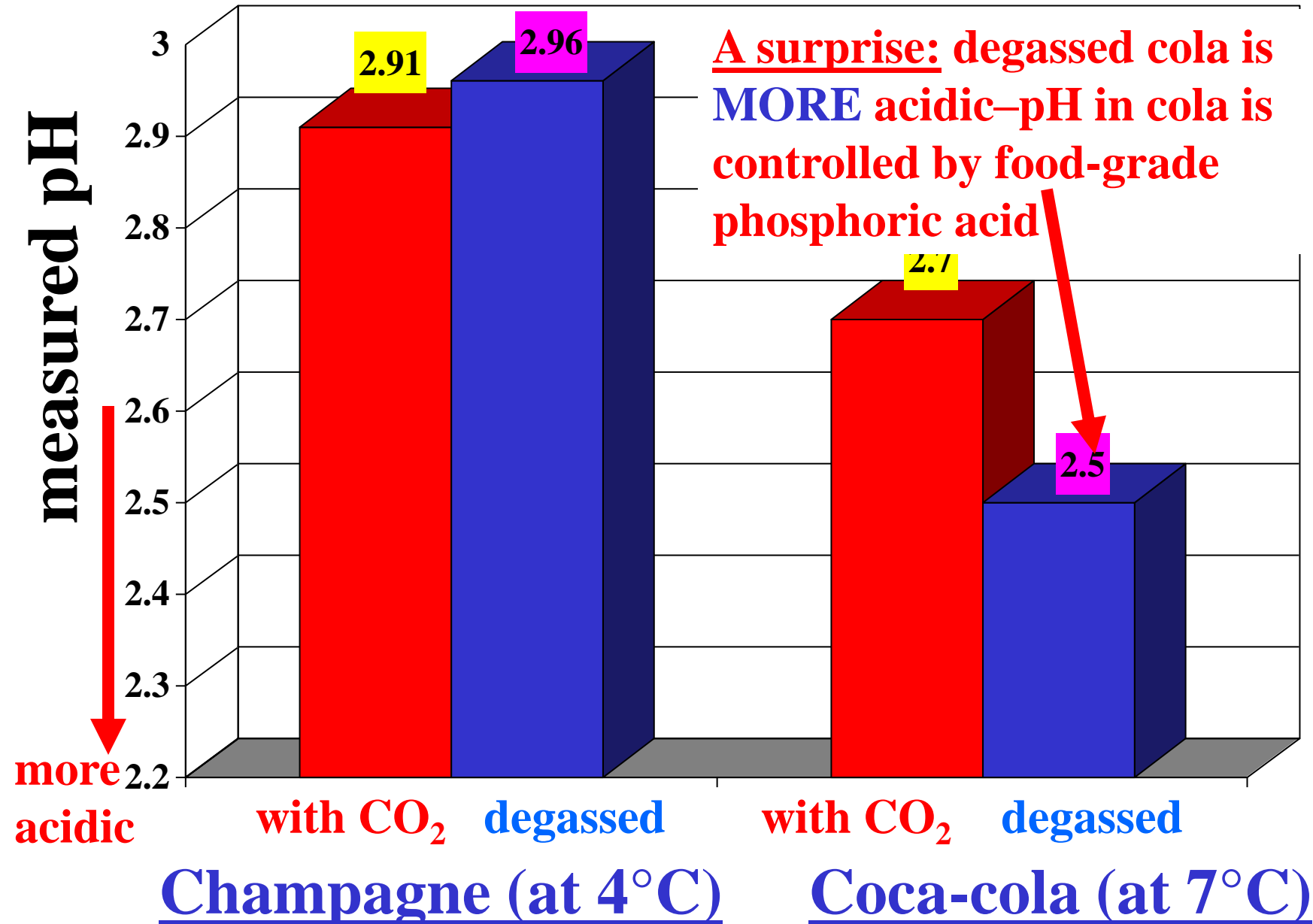
[Business](#)

[Sports](#)

Be very very worried: “It is predicted by the IPCC that the value of the atmospheric [CO₂] could reach 720 ppm ... by 2050 AD. ... The blood pH of all humans would then be in the region where acidosis occurs and **every human on Earth will suffer from acidosis for all of their lifetime. Humans born after 2050 AD will be born to show the effects of acidosis from birth.** ... [A] very large number of humans are likely to become incapable of physical activity taken for granted in present times and may be incapable of food production activities even with the help of machines. **In consequence of these changes a very large number of humans are likely to die at early age.”**

HINT: CO₂ in respired lung air, 50,000-60,000 ppm

**Never mind the full complexity of biochemistry in human blood:
Let's examine the role of CO₂ in Champagne and Coca-Cola**





Are you worried about global warming?

You do not need to be!

You can do something yourself!

**You can now store
CO₂ in your own**



Personal CO₂-Box!!

**No more
nightmares
about
Al Gore!**

This handy CO₂-pump comes FREE with the CO₂-box so you can contribute to a better environment everyday!.

Funtip: organise a CO₂-pumpetition with your neighbourhood!.

The Personal CO₂-box has a capacity for about a year. Full boxes can be emptied at the Gore-depot in your city.



**Now only
€ 498,-**

**Away with that
guilty feeling!**



This is what the specialists say :

'The polar bear can breathe freely now! Professor M.M., climatologist.

'I put a box in every room of my house and it is deliciously cool now! A. Nobel

'And it runs without electricity? I didnt know that was technically possible!' A. Gore, Prophet.

'We use it to store blankets, very handy!' M. Jones simple house-keeper.

- Special rainforest design!
- Heavily isolated so no warming can escape!
- Free: handy CO₂-pump to fill the box!
- With sustainable polar bear guarantee!!
- Designed by real consensus scientists!
- No artificial flavours!
- Woodworm-friendly!
- Quatsch-institute approved!
- Help the third world: part of the profits will be spend on the building of coal fired power plants in China!

Think about your offspring, spend your money now!

**It is the business of the
future to be dangerous;
and it is among the
merits of science that it
equips the future for its
duties** – Alfred North Whitehead (1861-1947)