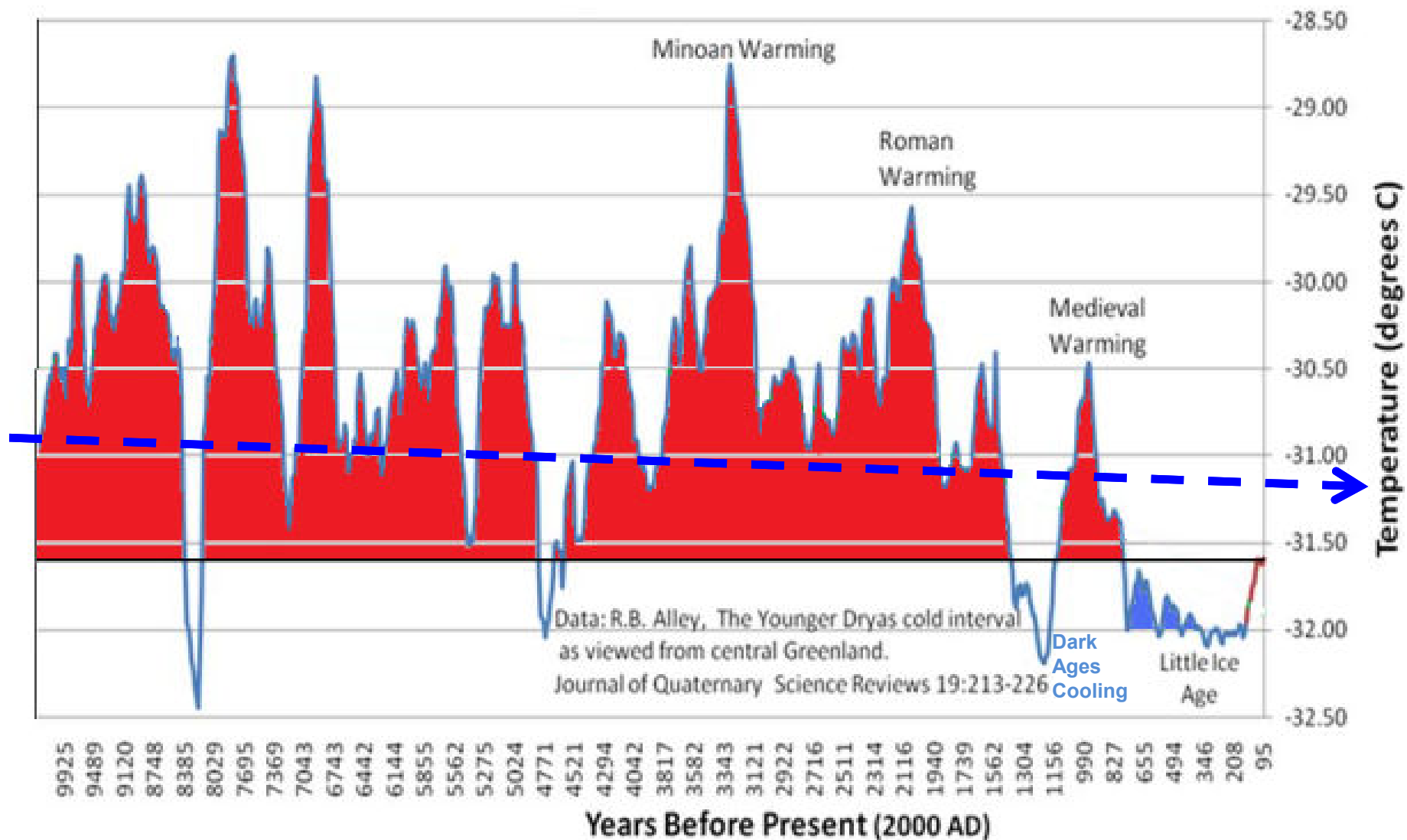


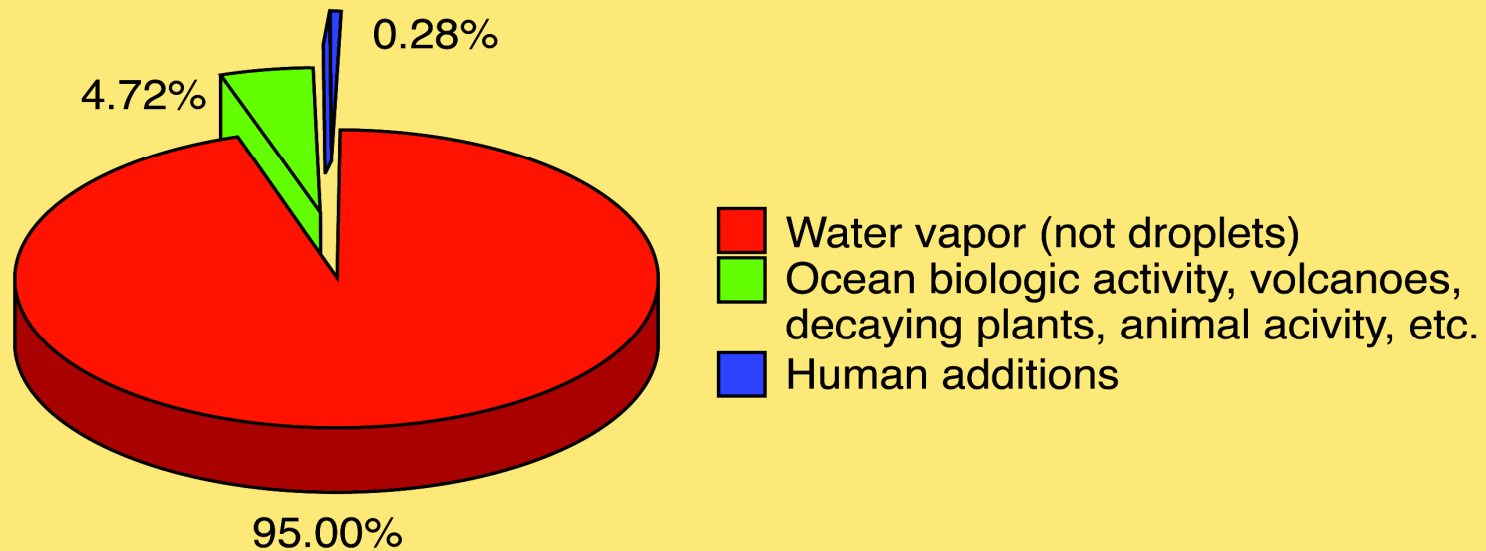
Greenland GISP2 Ice Core - Temperature Last 10,000 Years



<http://wattsupwiththat.com/2010/12/28/2010%E2%80%94where-does-it-fit-in-the-warmest-year-list/> (Anthony Watts – 25 yr, weather measurement meteorologist)

Sources of Greenhouse Gases

Contributions to the “Greenhouse Effect” expressed as % of total



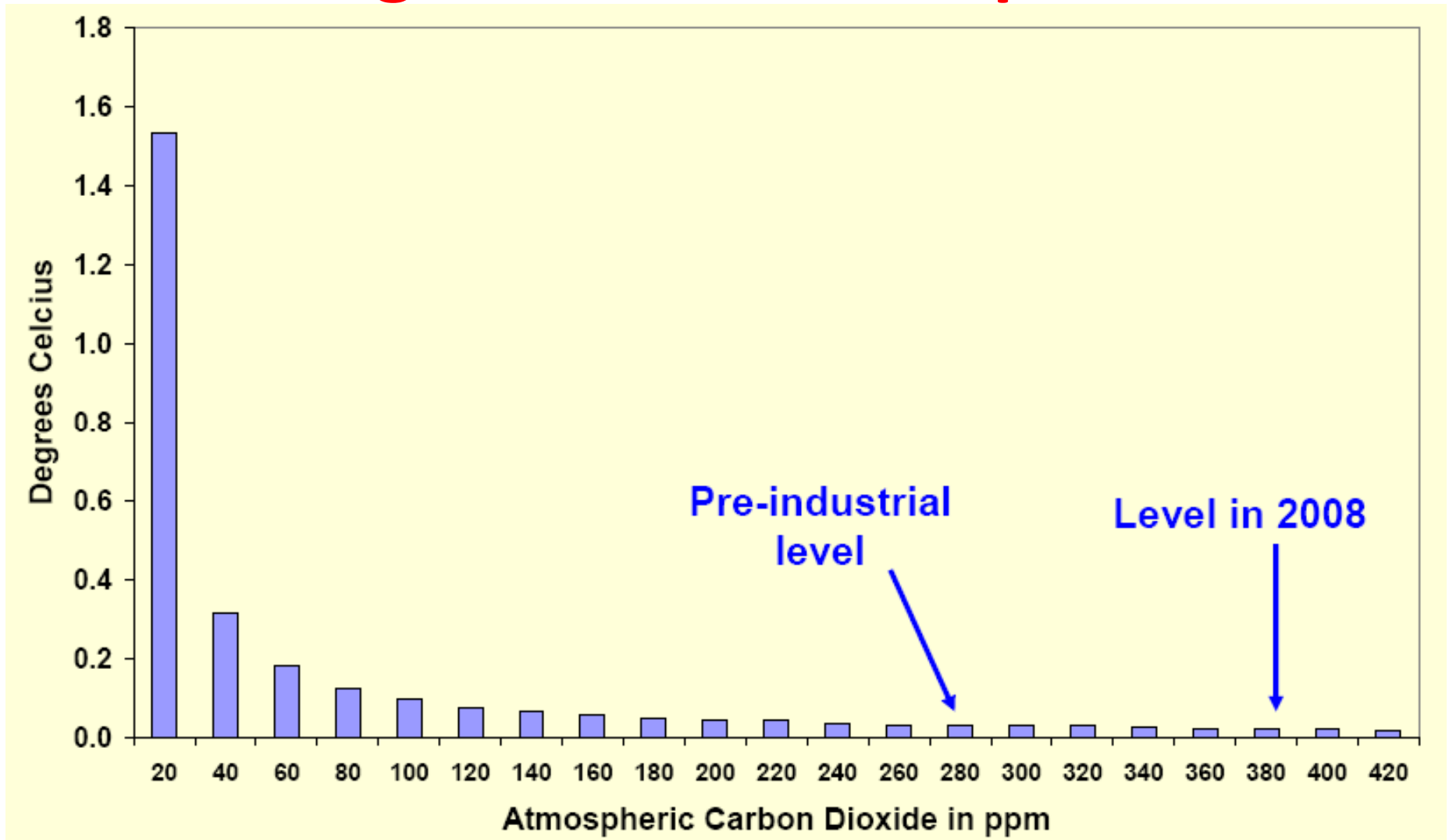
NOTE: “Contributions” are defined as concentrations adjusted for GWP (global warming potential, relative to CO₂)

Man's Contribution

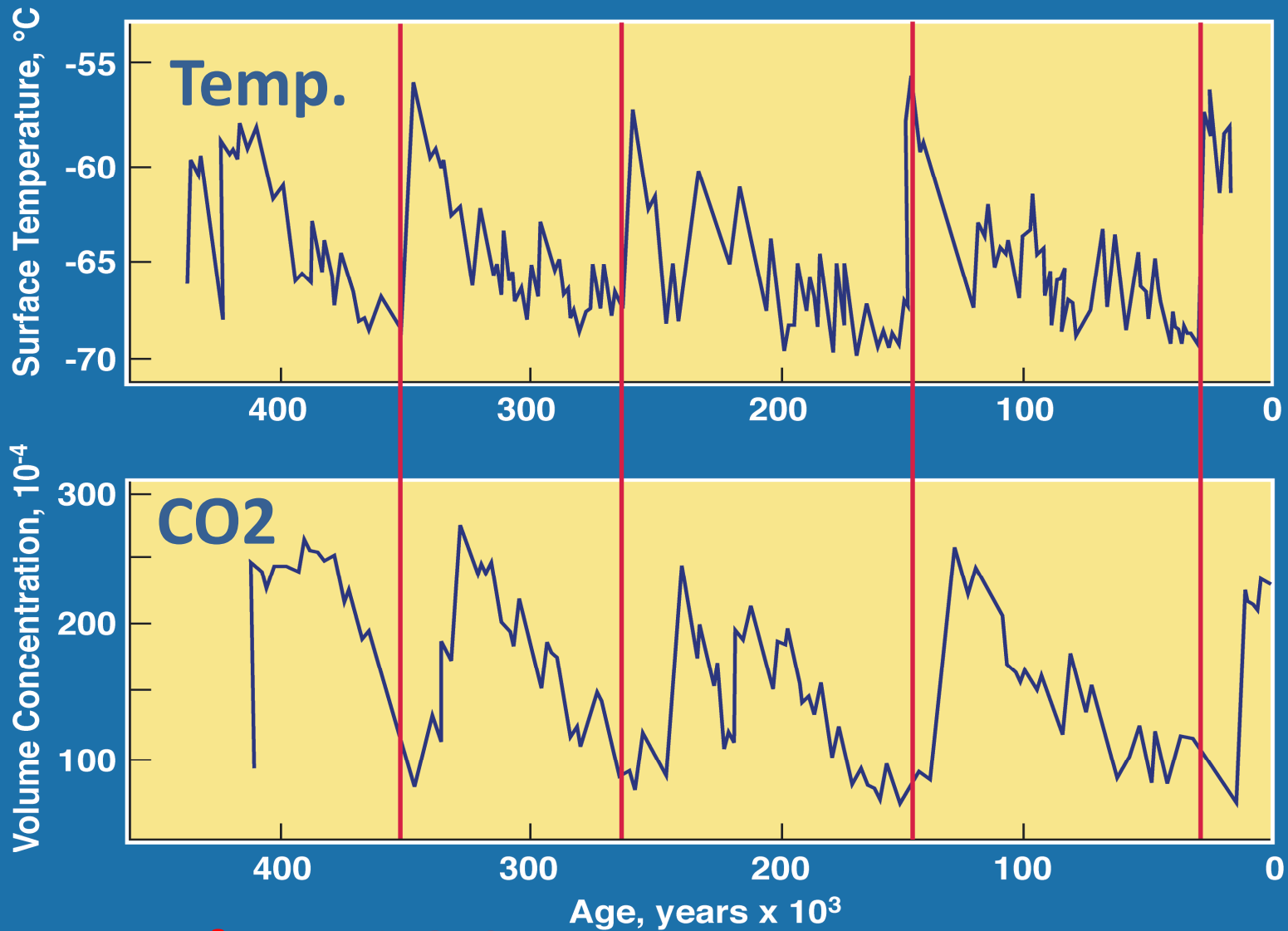
- **Non-Water Vapor Greenhouse Gases**
 - Total CO₂ = 3.6%
 - Total methane, NO₂, CFCs, et al = 1.4%
- **Due to man**
 - CO₂ = 3.2% manmade of 3.6% total = 0.12%
 - Methane = 0.066%
 - Nitrogen Dioxide = 0.047%
 - CFCs, et al = 0.046%
- **Total Due to Man = 0.279%! [i.e.: ~1/4 of 1%]**

(Figures by Prof. Augie Auer, U of WY (ret.), New Zealand Weatherman on Global Warming: It's All Going to be a Joke in 5 Years, Newsbusters.org, <http://newsbusters.org/node/12852>, 5-18-07)

Warming Effects of Atmospheric CO2



Solar Cycle 24: Implications for the United States, David Archibald,
Int'l Conference on Climate Change, March, 2008



Lagging CO2

Khilyuk and Chilingar, 2003

CO2 rise postdates temperature rise by hundreds of years. From Khilyuk, L. F., and G. V. Chilingar, 2003, *Global warming: Are we confusing cause and effect?*, Energy Sources 25, #4, pp. 357-370. REF: Geologic Constraints on Climate Variability, Dr. Lee C. Gerhard, Kansas GS

**Average Growth Enhancement due to a
300 ppm (~75%) increase in atmospheric
carbon dioxide:**

C3 Cereals 49%

C4 Cereals 20%

Fruits and Melons 24%

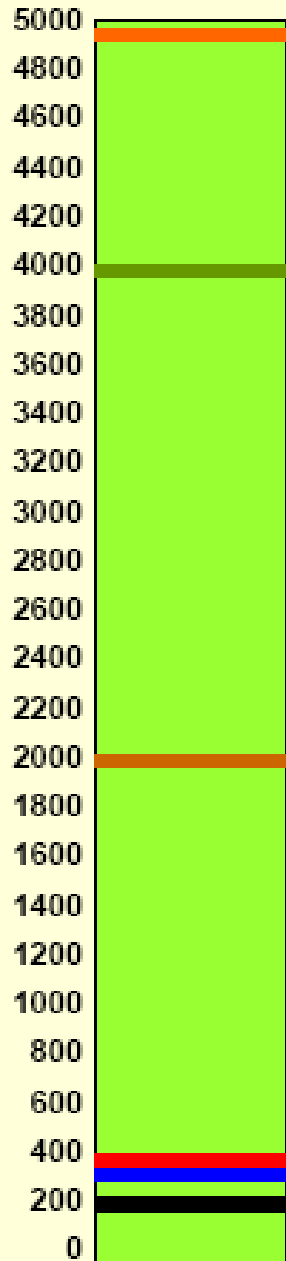
Legumes 44%

Roots and Tubers 48%

Vegetables 37%

Atmospheric CO2

In ppm



500 million years ago

400 million years ago

150 million years ago

Correct Safe Limit

“the safe upper limit for atmospheric CO2 is no more than 350 ppm”
– Dr Hansen of NASA, American Geophysical Union meeting, San Francisco, December 2007

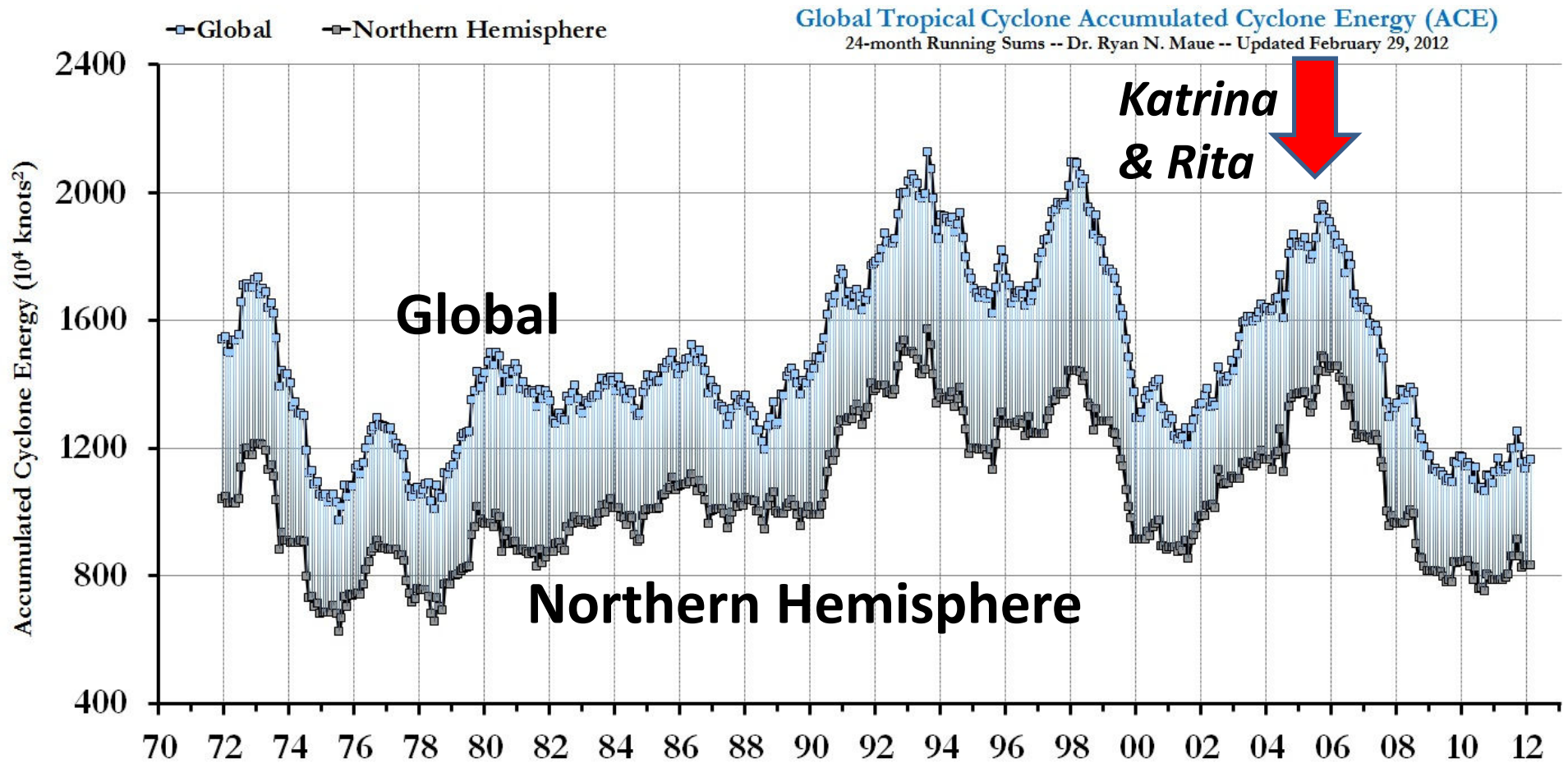
Dr Hansen's safe upper limit

Pre-industrial level of 280 ppm

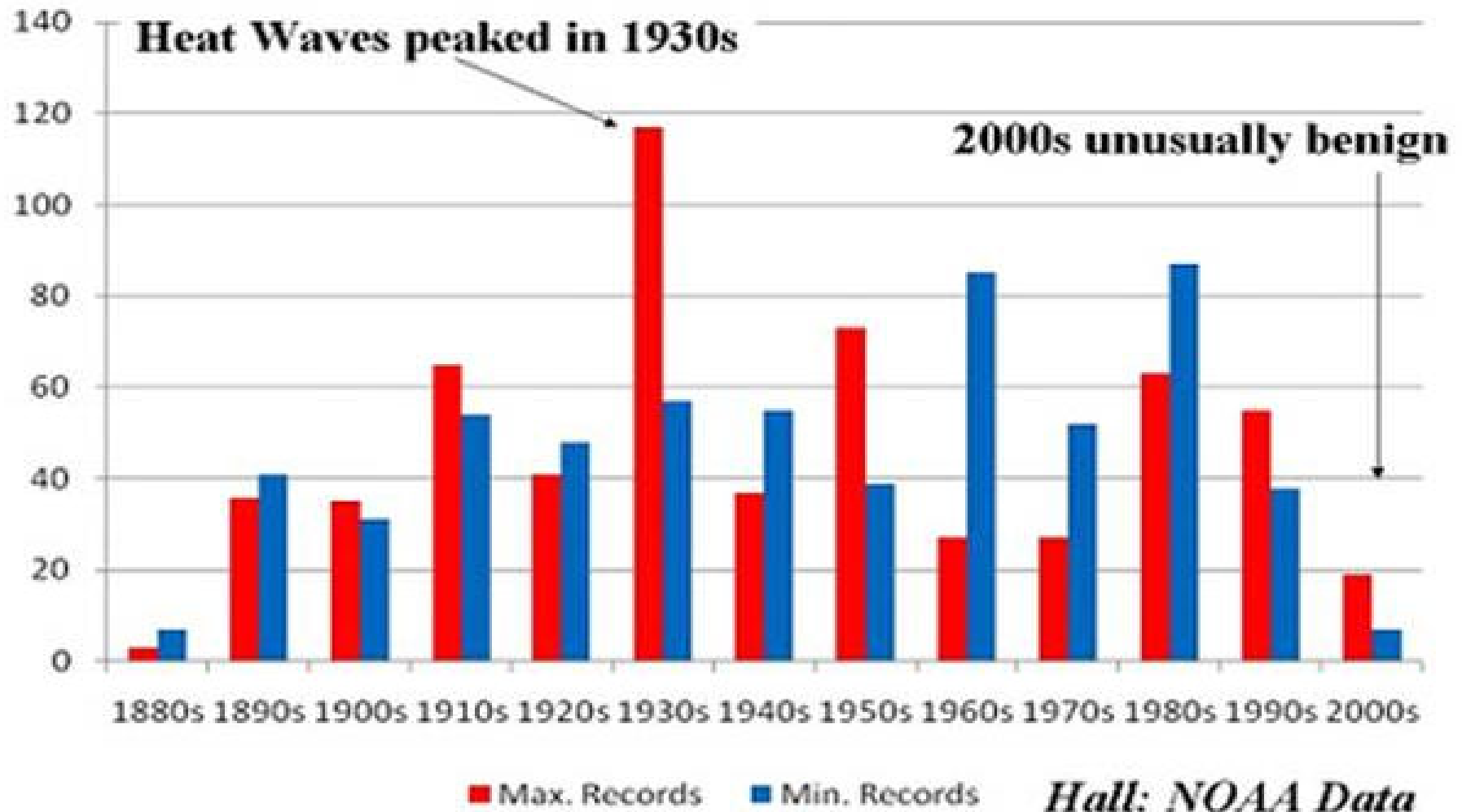
Level reached during interglacials, level below which plant growth shuts down

Global Tropical Cyclone Energy

(from Dr. Ryan Maue, 2-29-12)

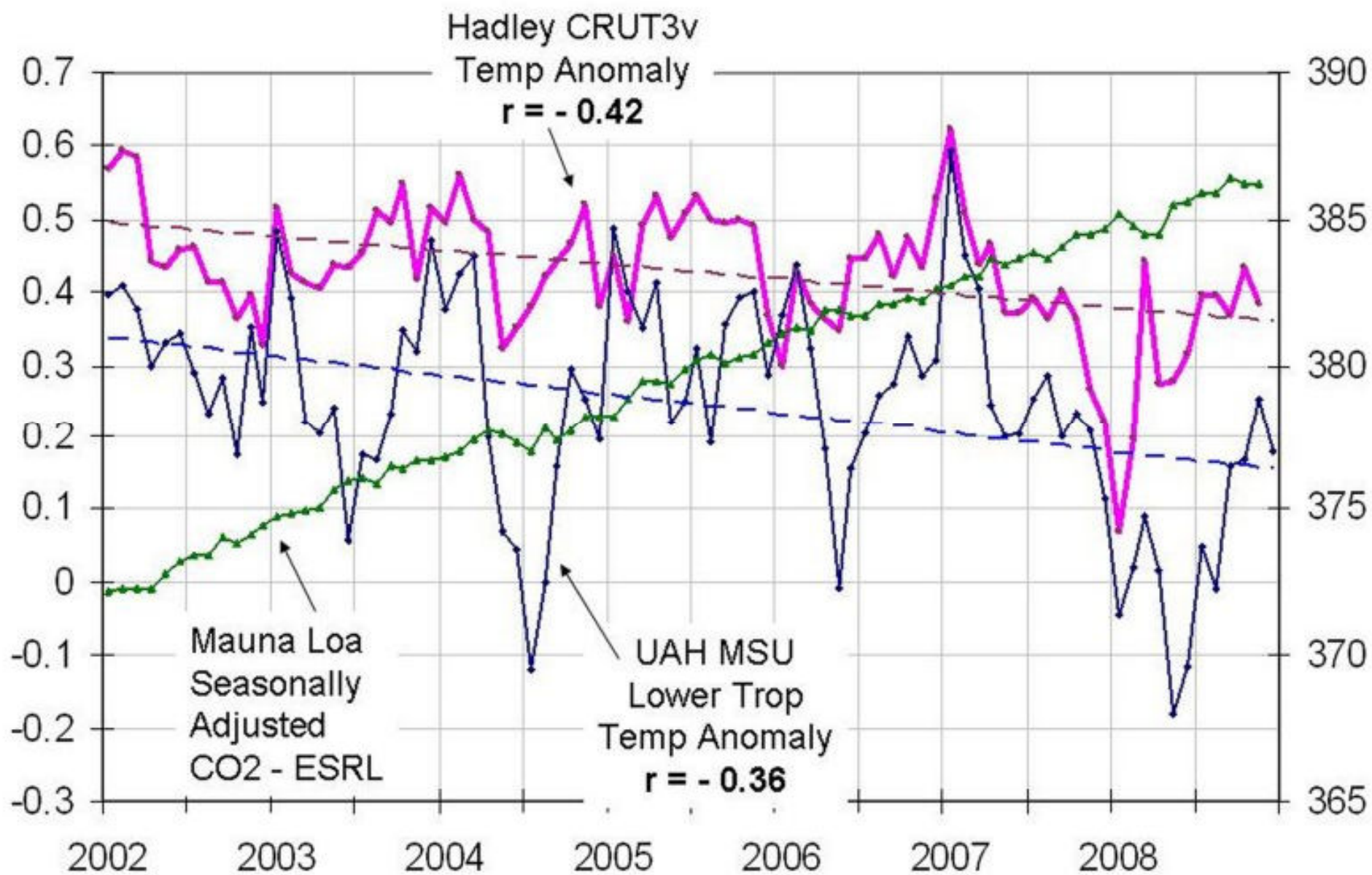


U.S. State Maximum and Minimum Monthly Records by Decade



<http://www.energytribune.com//articles.cfm/6440/Is-It-Really-The-Warmest-Ever?>
Is It Really The Warmest Ever? [By Joseph D'Aleo](#) EnergyTribune

Hadley CRUT3v and UAH MSU vs CO2



SURFACE TEMPERATURE RECORDS: POLICY-DRIVEN DECEPTION?

by Joseph D'Aleo and Anthony Watts



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<http://scienceandpublicpolicy.org/>