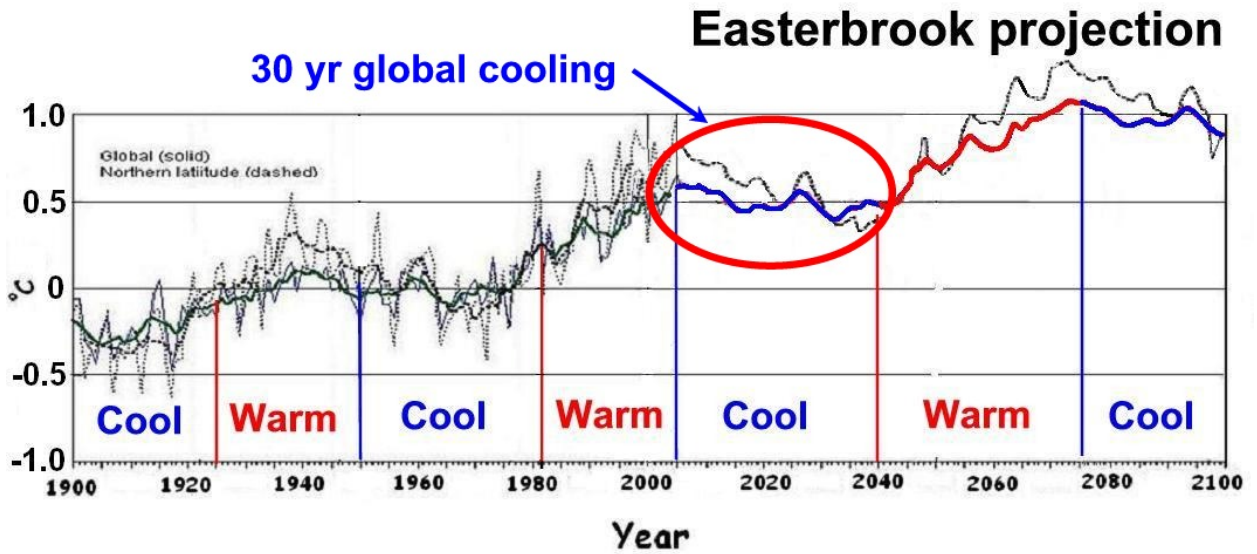


RECENT GLOBAL COOLING: SUMMARY

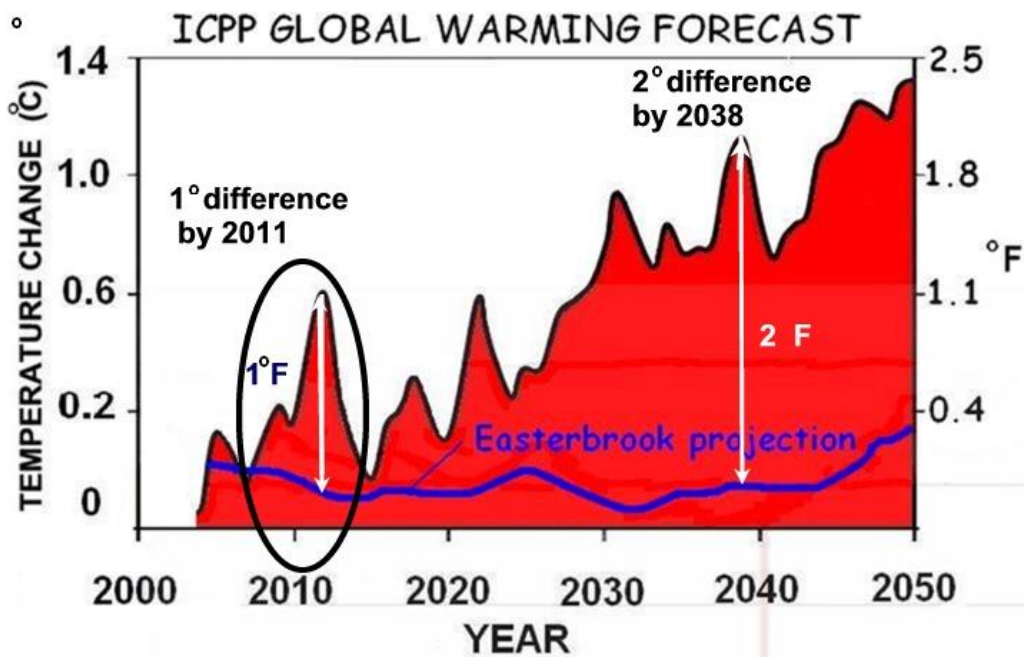
What is the significance of the icy 2007-2008 record-breaking winter and the past 6-year cooling trend? Some of the possible ramifications of this are really interesting. Keeping in mind that any single year is weather, not climate, some interesting patterns are beginning to emerge, and when considered in terms of past climate changes, may be pointing to some truly significant changes in store for the world. For example:

Global temperatures during the Medieval Warm Period (900-1300 AD) were slightly higher than at present but plunged about 4° in only 20 years, initiating the Little Ice Age that caused severe famines in Europe and leading to the deaths of about one third of the population. Unfortunately, the Medieval Warm Period pre-dated direct observation of sun spots, but for about 100 years (beginning in 1609), sun spots were rare (the Maunder Minimum) and global climate was icy. Virtually all scientists now accept a solar cause of the Little Ice Age. The concern of the Canadian and Russian astrophysicists is that, leading into the coming predictable solar cycle, they are seeing a much lower level of sun spot activity than expected, resembling that which accompanied the plunging global temperatures at the beginning of the Little Ice Age. This is a distinct possibility. However, I think a more likely scenario is that we may be heading for a deeper global cooling than the last one (~1945 to 1977), perhaps similar to the 30-year cool period from 1880 to 1910 when many cold weather records were set.

What is the significance of the present globally icy winter? By itself, it's weather and arguably not statistically important. However, when considered in the light of the past 5-year cooling trend, the continuation of that pattern is important because if we are to believe the IPCC's prediction of a 1° F warming by 2011, that will require warming of almost 1° F in the next three years! As pointed out in your column, the IPCC recasts its predictions every year to match actual conditions so they appear to stay 'on-track.' However, they made finite predictions some years ago and if IPCC is to remain credible, those predictions need to be accountable. In a nutshell, in 2001, I put my reputation on the line and published my predictions for entering a global cooling cycle about 2007 plus or minus 3-5 years, based on past glacial, ice core, and other data. As right now, my prediction seems to be right on target and what we would expect from the past climatic record, but the IPCC prediction is getting farther and farther off the mark. Now with the apparent solar cooling cycle upon us, we have a ready explanation for global warming and cooling.

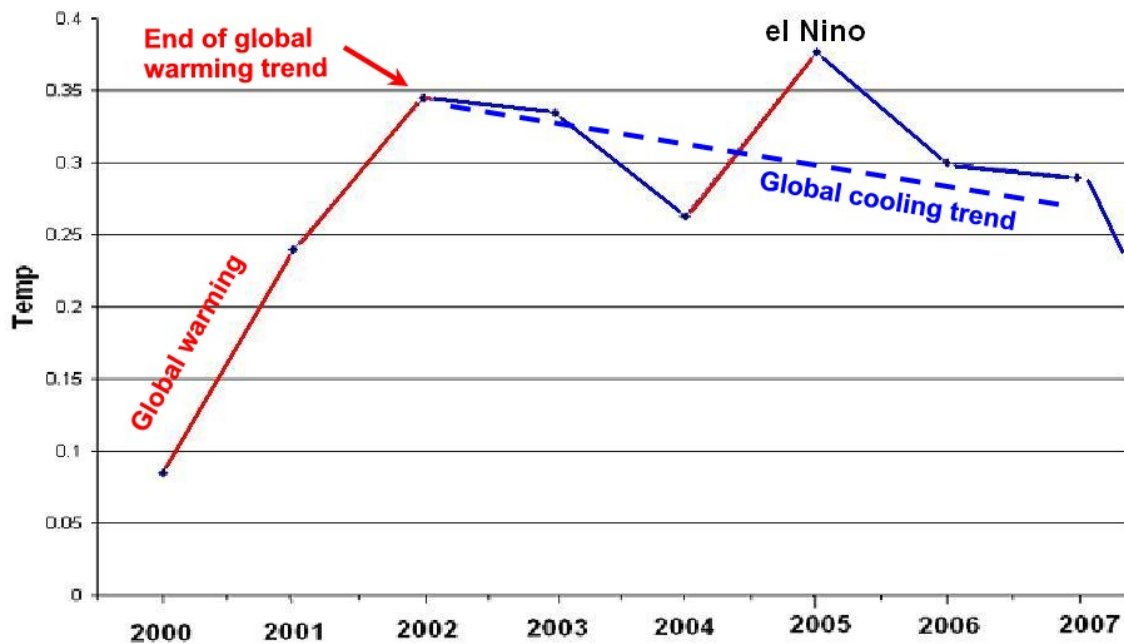


Global climate changes over the past century and projection for the coming century.



By 2011, the IPCC predicts a 1° F increase in global temperature as a result of manmade CO₂ emissions. That's more than the entire past century in only three years. They also predict a 2° F temperature increase by 2038.

Recent global temperature trends.



Global temperatures have been on a cooling trend since 2002 (Fig above). The average of the four main temperature measuring methods is slightly cooler since 2002 (except for a brief el Niño interruption) and this has been a record-breaking cold winter. The argument that this is too short a time period to be meaningful would be valid were it not for the fact that this cooling exactly fits the pattern of timing of warm/cool cycles over the past 400 years and was predicted as far back as 2001.

We are entering a solar cycle of much reduced sunspots, very similar to that which accompanied the change from the Medieval Warm Period to the Little Ice Age, which virtually all scientists agree was caused by solar variation. Thus, we seem to be headed for cooler temperatures as a result of reduce solar irradiance.

Sea surface temperatures in the NE Pacific mirror the atmospheric observations of cooling since 2002.

Some glaciers are slowing their rate of retreat in response to the past 6 years of cooling. (They aren't readvancing yet because it takes awhile for a turnaround.)

So what is the significance of the present globally icy winter and cooling trend for the past 6 years? By itself, it's weather and arguably not statistically important. However, when considered in the light of the recent cooling trend, the continuation of that pattern is important because if we are to believe the IPCC's prediction of a 1° F warming by 2011, that will require warming of almost 1° F in the next three years! The IPCC recasts its

predictions every year to match actual conditions so they appear to stay 'on-track.' However, they made finite predictions some years ago and if IPCC is to remain credible, those predictions need to be accountable. In a nutshell, in 2001, I put my reputation on the line and published my predictions for entering a global cooling cycle about 2007 (plus or minus 3-5 years), based on past glacial, ice core, and other data. As right now, my prediction seems to be right on target and what we would expect from the past climatic record, but the IPCC prediction is getting farther and farther off the mark. With the apparent solar cooling cycle upon us, we have a ready explanation for global warming and cooling. If the present cooling trend continues, the IPCC reports will have been the biggest farce in the history of science.