

# Sun not CO2 causes climate change

*by Dr. Ed Berry (Ph.D., Atmospheric Physics)*

A new, [peer-reviewed professional paper](#) shows our sun, not our carbon dioxide, causes climate change. It also shows atmospheric greenhouse gas concentrations are an insignificant player, and possibly a non-player, in climate change.

The authors, Willie Soon, Ronan Connolly, and Michael Connolly received no government, corporate, or any outside funding for their work on their paper.

You can read their [whole 49-page paper](#) (like I did) if you want all the scientific details. The authors have provided their [data files](#).

Here, I will make their conclusions very simple for you to understand.

They used northern hemisphere data from 1880 to 2014. They used data, not theories, to make their case.

First, they constructed the best possible temperature record from 1880 to 2014. Remarkably, no one had ever done this before. This required using only surface temperature data from stations not affected by a changing environment.

They show their temperature record is compatible with temperature trends derived from sea surface temperatures, glacier length records, and tree-ring widths.

Their corrected “composite” temperature record shows warming from the 1880’s to 1940’s, and from the 1980’s to

2000's, with a cooling period from the 1950's to 1970's. The record shows the current warm period is similar to the previous warm period from the 1880's to 1940's.

They show climate models do not reproduce the correct temperature record when back tested. This means, of course, climate models are of no value in making climate predictions. The reason is obvious. Climate models do not properly simulate the physical effects of carbon dioxide, water vapor, clouds, aerosols, and solar irradiance.

Second, they constructed the best possible record for Total Solar Irradiance. Then they compared their data.

Here is their four-piece summary chart. The blue circles are the annual temperature data. The bold blue line is the smoothed temperature data. The blue lines are the same in all four charts.

The red dashed lines are what they call the "modelled" temperatures.

The top chart (a) compares the CO<sub>2</sub> modelled temperature with actual temperature. The next chart (b) adds the solar correction to the CO<sub>2</sub> model. This fails because the CO<sub>2</sub> model already "muddied the water."

The third chart (c) compares the Total Solar Irradiance modelled temperature with actual temperature. The next chart (d) adds the CO<sub>2</sub> correction to the solar model. The difference between (c) and (d) is insignificant.

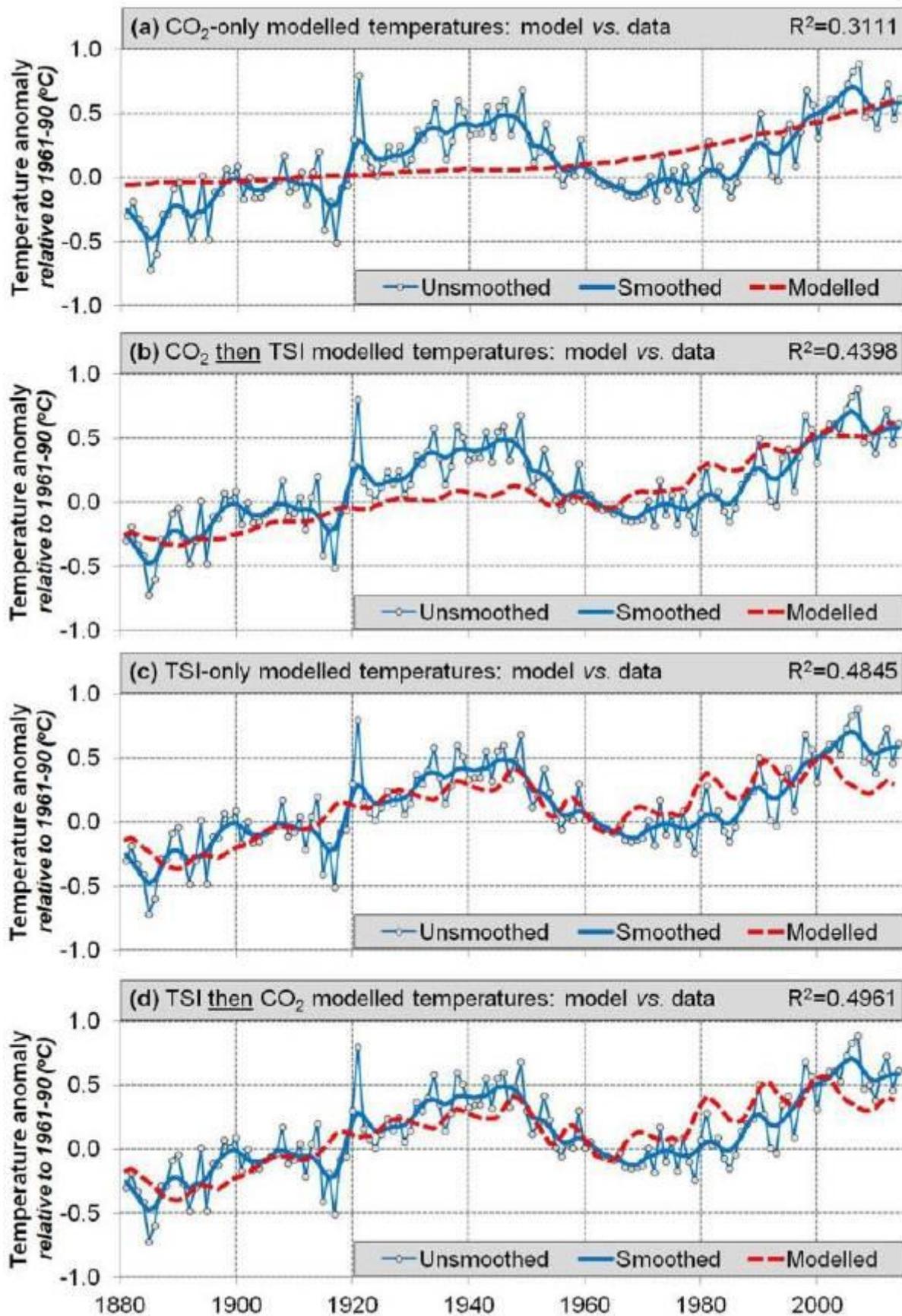


Figure 31. Comparison of the four different models to our

Northern Hemisphere composite (land & ocean rescaled version).

Charts (c) and (d) show our sun causes most climate change. Ocean currents, volcanoes, and other natural forces cause the annual deviations from the solar prediction.

Finally, here's how to determine your belief in climate change:

If you truly believe the red CO2 line in chart (a) fits the blue Temperature line better than the red Solar line in chart (c), then you are a true believer in Al Gore and Obama's version of climate change.

But if you believe the red Solar line chart (c) fits the blue Temperature line better than the red CO2 line in chart (a), then welcome to the world of reality.

Clearly, climate model predictions as reproduced in chart (a) do not represent reality. Therefore, the global warming, climate change promoted by our government, our schools, and our media is a hoax.

In conclusion, our sun, not our carbon dioxide, drives climate. Even if we stopped all carbon dioxide emissions from all humans on our planet, we would not change the climate.

September 29, 2015 By [Dr. Ed](#) [10 Comments](#) Filed Under: [Author Dr. Ed](#), [Berry](#), [CO2-Temp-Sun](#), [Willie Soon](#)