

BOB HOYE

OCTOBER 21, 2019

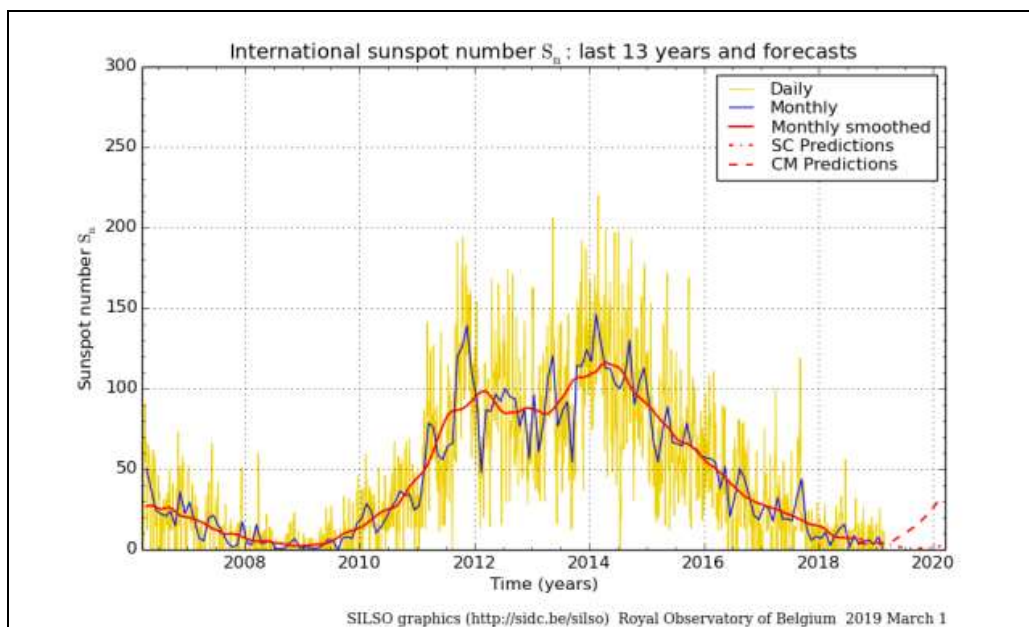
Some Climate Charts

As with the financial markets, from time to time, an interesting climate chart appears. And along with most observers, we have been expecting a low for Solar Cycle 24 to be completed at around late 2019 or early 2020, based upon the ancient 11-year Solar Cycle. Global warmers are bunch of pikers. Wasting their time and our tax dollars, messing around with atmospheric CO₂, which has no effect on actual long-running changes in the climate.

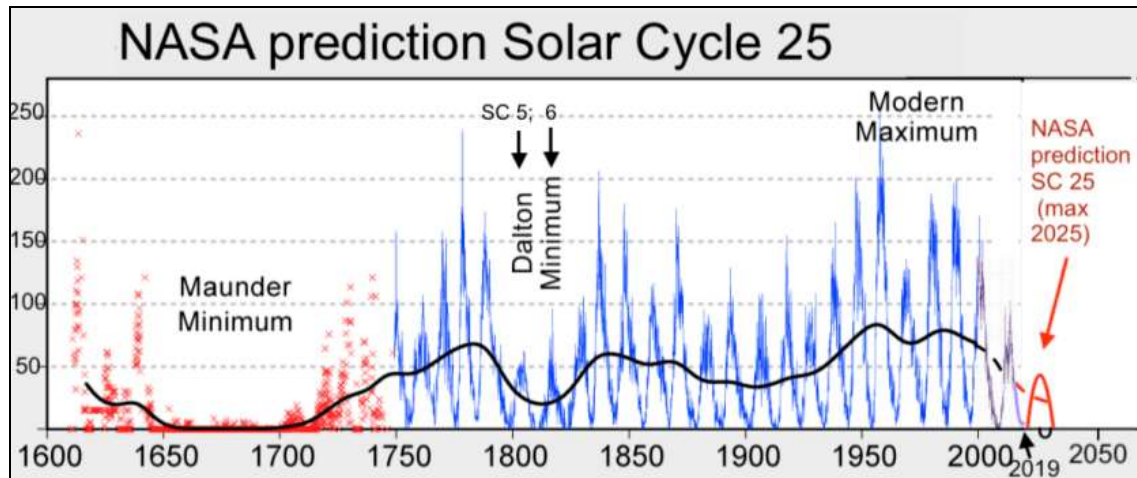
If the ambitious were as educated as they are serious, a good place to start controlling the Earth's temp would be through altering the length and intensity of the solar cycle. That by varying the cloud cover would be the most immediately effective means of "managing" the climate. On the longer term, the truly dedicated would legislate a halt to volcanic eruptions, which would seriously reduce CO₂ emissions. And for the giftedly ambitious another way to influence climate change would be to end Continental Drift and Plate Tectonics.

Some interesting climate charts and tables follow.

Of course, one of the features of a Solar Cycle is the number of days without sunspots. For this year the count is out to 217 days or 75%. The best for the worst was in all of 2008 when the numbers were 268 days and 73%. For all of 2018 it was 221 and 68%. For 2017 it was 104 and 28%. Of course on the last Solar Max it was a bunch of zeros.



The next chart provides a history back to 1600, with a projection for SC 25 by NASA. It is worth emphasizing that solar activity has declined to levels set a hundred years ago. And the trend reversal was anticipated by solar physicists, Penn and Livingston, in the 1990s.



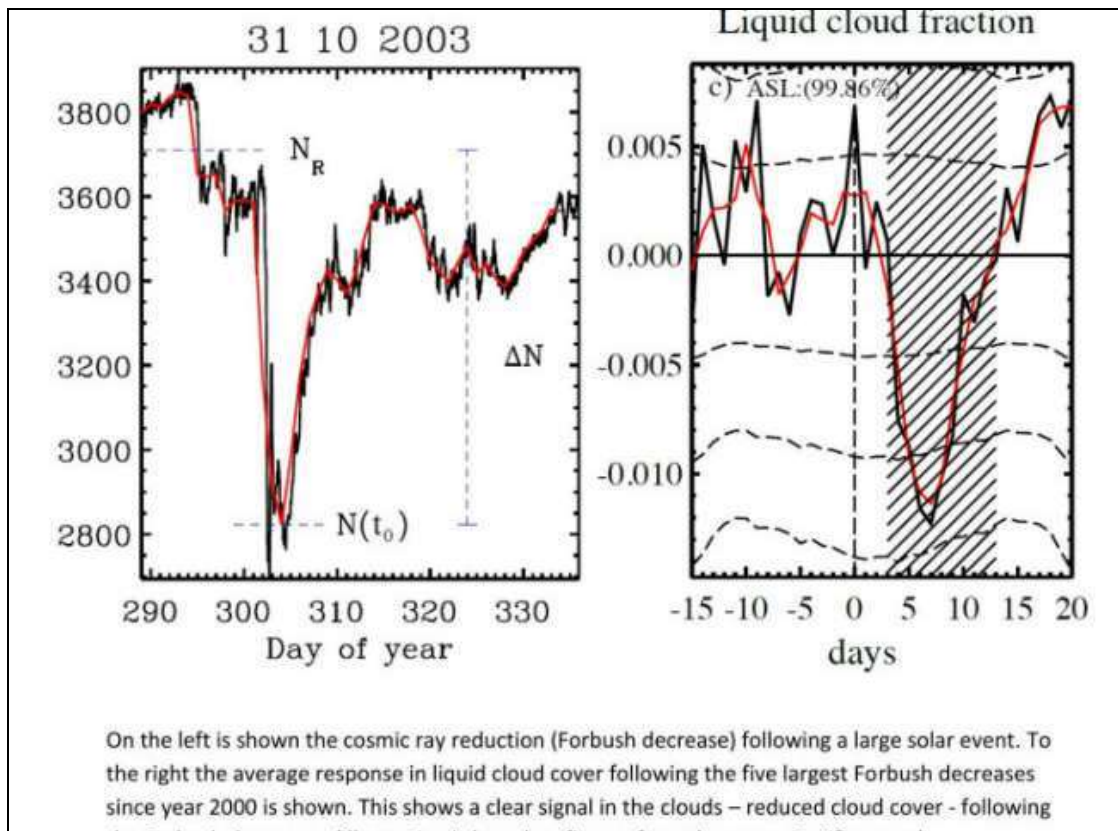
Following is the chart showing the history of cosmic ray flux since the 1960s. Note how it varies with the solar cycle, which modulates their intensity. And with declining solar activity, the incidence of cosmic rays increases, in turn increasing the cloud cover. Which is an important cooling factor. The United Nations formed IPCC and its mandate has been to investigate carbon dioxide emissions and climate. And nothing else. The latter is regrettable as the solar system within our galaxy works like a very big clock, which is fascinating. For the establishment, it is like studying paintings by the Old Masters if they had been restricted to only one or two colors.

Cosmic Rays on Earth since 1964



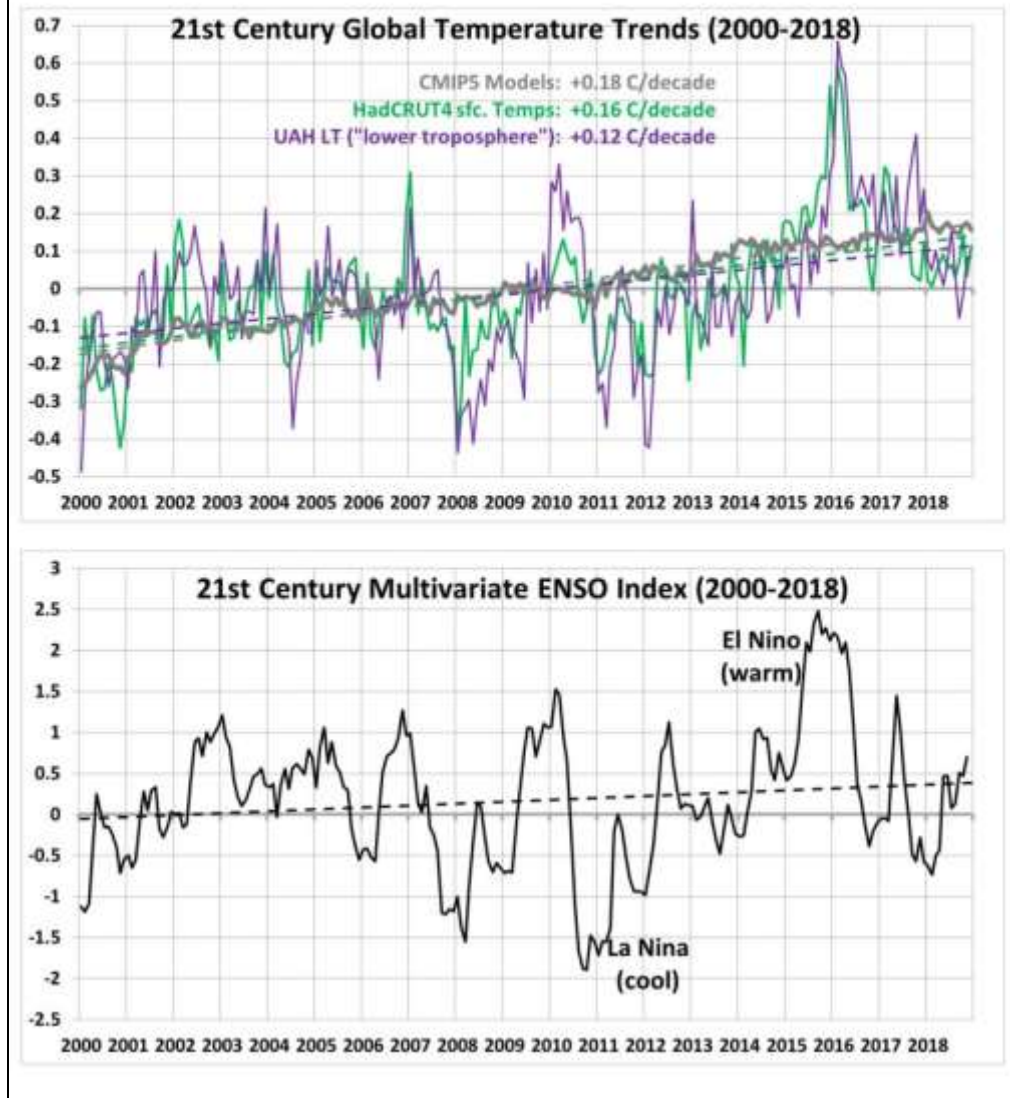
Source: SpaceWeather.com

The next chart shows the “Forbush decrease” associated with large and sudden solar events. And next to it shows the appropriate variation in cloud cover.



Many understand that for 25 years most climate models have been running “hot” compared to the actual record. And that actual record has been elevated by two outstanding El Ninos.

Even with the record warm 2015-16 El Nino, observed warming has not kept pace with climate model projections



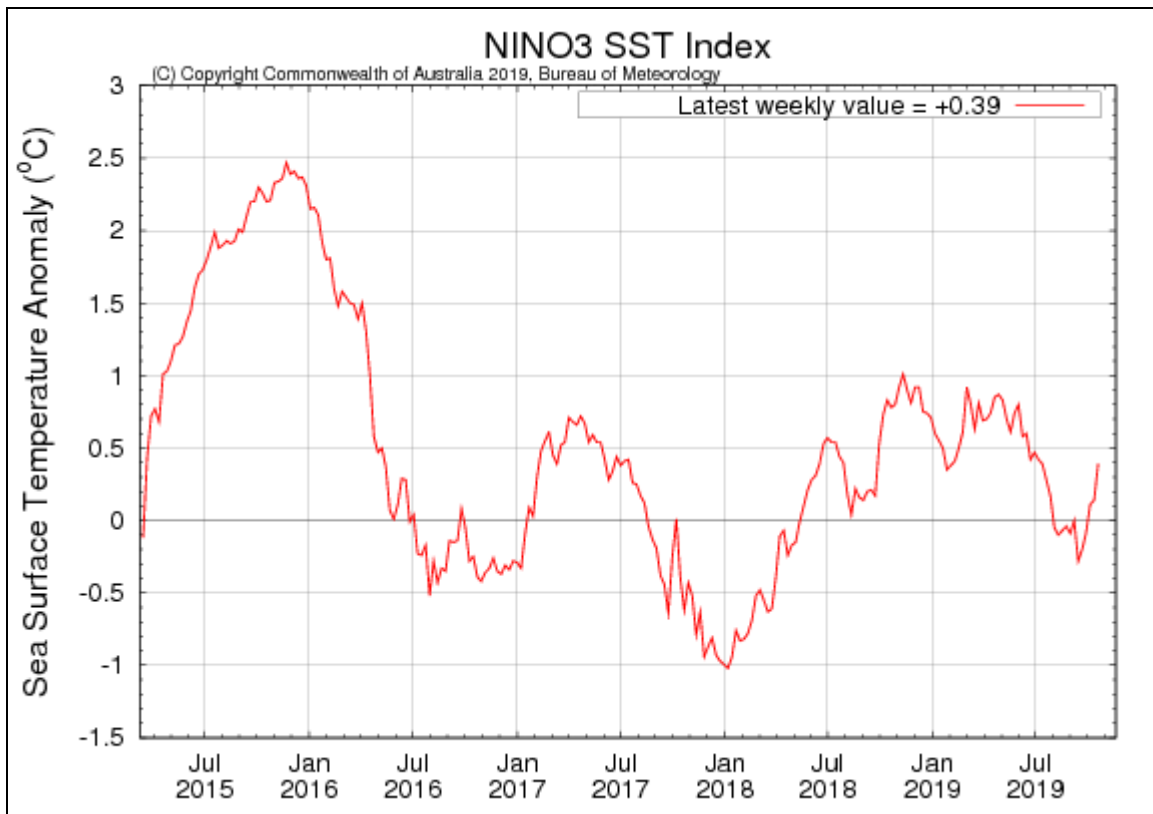
Source: Roy Spencer

While the most recent El Nino peaked in 2015-2016, its warming influence lingers. However, the direction of the chart is towards the next La Nina. These cyclical events are due to the mainly Westerly winds that blow the warm surface waters of the oceans to where it stacks up. Yes, the ocean surface is not the same level everywhere. Anyhow the

stack of warm water eventually flows back distributing the locally accumulated heat to most of the rest of the world. And then it cools for a while.

Another near-term influence is from increasing volcanic activity, part of which is enhanced by increasing cosmic rays.

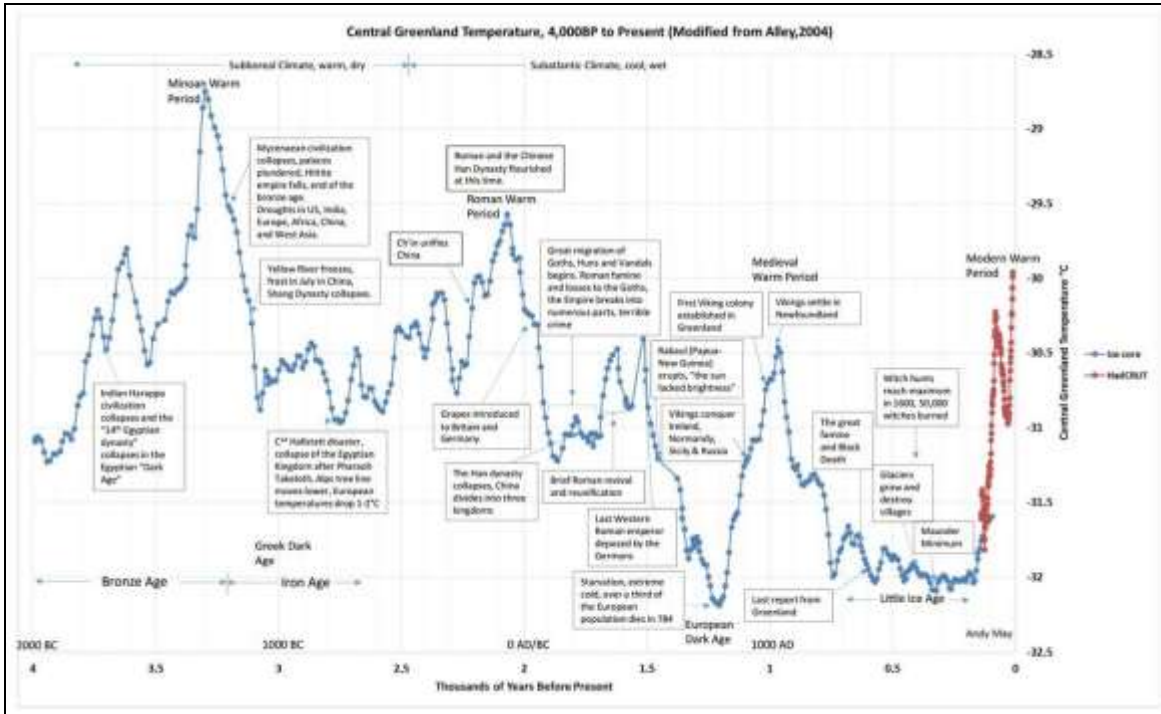
Both these items are forcing cooling, within the cooling caused by increasing cloud cover.



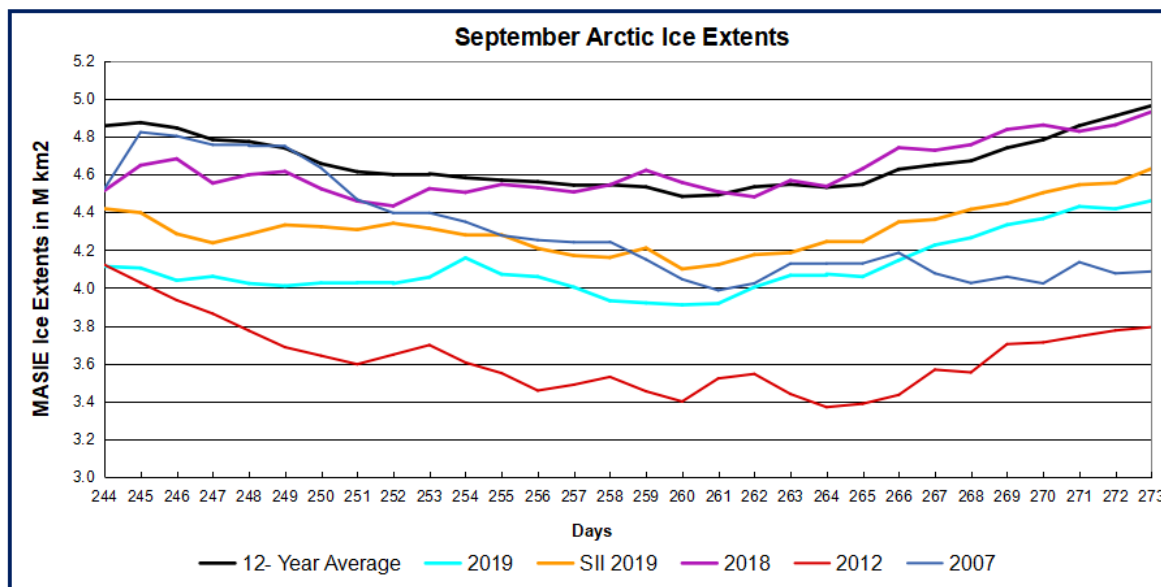
Source: Australian Bureau of Meteorology

On the much longer term, the next chart shows the Greenland Temp. The notes record that major human migrations have occurred during the cooling phases, which can be nasty. Note that during the cooling that followed 1300, well-educated magistrates convicted and executed thousands of witches for causing bad weather. Today's equivalent merely want to jail those that question the party line. In supporting big government, today's practicing witches seem safe from official displeasure.

On the chart itself, the added-on red plot is from a different series and is unrepresentative.



At the COP held in Copenhagen on December 14, 2008, Al Gore stated that "the entire North 'polarized' cap will disappear in 5 years". The seasonal low for the Arctic ice cover is in September and once again the timing of Gore's concerns has been wrong.



Lately, the most amazing things have been happening. For the first time in geological history, atmospheric carbon dioxide is suddenly causing global warming. More specifically, most of it is from the unique CO₂ molecule emitted by modern industrial life. And inadvertently, Blake's "dark Satanic Mills" have been replaced, from horizon to horizon, by equally "Satanic" windmills and solar cells.

Another first in geological history is that suddenly all species are threatened by another climatic warming-trend. Until now, declining temps have been bad. Most critters have avoided just the cooling that precedes advancing glaciers. Ice a mile deep can ruin your whole day.

A strange kind of scholarship, indeed. Anthony Watts has assembled a thorough list of those compelled to broadcast their personal revelations:

<https://wattsupwiththat.com/2014/07/29/a-brief-history-of-climate-panic-and-crisis-both-warming-and-cooling/>

Source: WUWT