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**JUNE 25, 2019**

## **Declining Solar Activity**

We have been monitoring diminishing solar activity since we started writing articles on climate in 2009. The first was titled *Intellectual Hysteria* which reviewed that the promotion in being wrong on cause and effect was mainly a political movement. Outstanding examples included personal revelations by England's leading economist, who was very concerned that civilization would collapse as coal ran out. He published a very learned book called the *The Coal Question* in 1865. By learned, he had analyzed supply and demand in impressive detail. And was just plain wrong.

Then there were International Socialists in the early 1900s whose ambition was to create the "Perfect Man". And in the 1930s National Socialists were out to create the "Perfect" race and land space.

It has been very concerning to this writer that promoters of today's hysteria such as David Suzuki, Robert Kennedy Jr. and economist Paul Krugman are calling for jail-time for those skeptical of the message. This hasn't been seen since Lysenkoism in Communist Russia or when the Vatican insisted that the solar system revolved around the Earth. And skepticism has been the foundation of science.

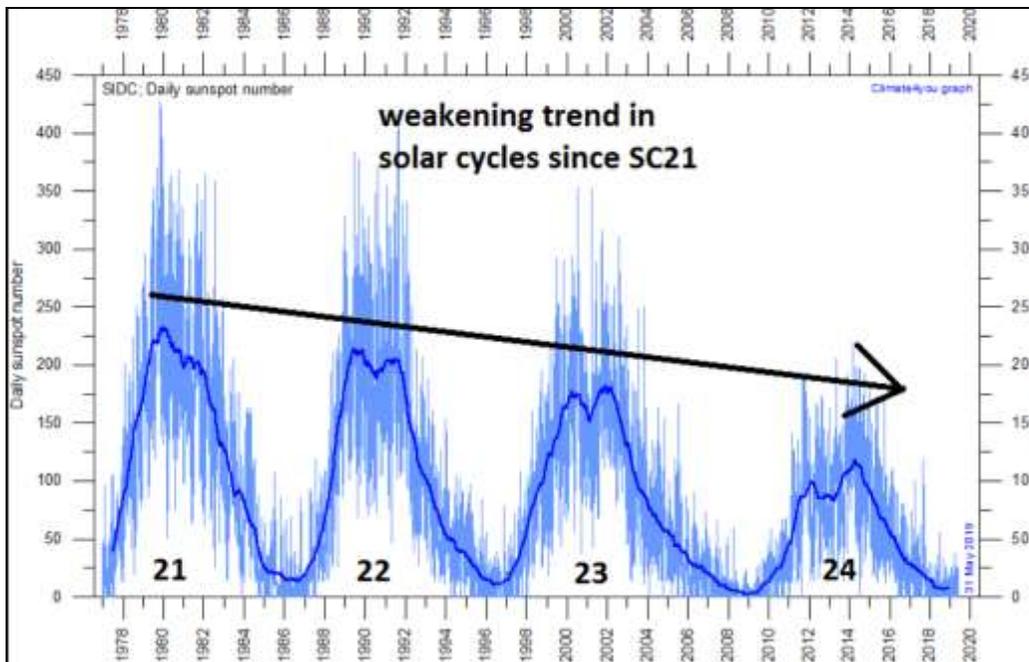
Now control freaks with any number of banners are determined that the nearest planet be set at the "Perfect" temperature. The most distraught are demanding it be set at 1.5 C above an arbitrary level. Those only slightly less distraught claim they would be content with 2 C.

Tolstoy observed *"If you look for perfection you will never be content."* As we are seeing now with so many political radicals over so many centuries, political ambition can never be satisfied. It is why civics courses teach Constitutional Law.

Ten years ago, we reviewed the literature and found that solar physicists, Penn and Livingston, back in the 1990s had called for a reversal in trend to solar weakening.

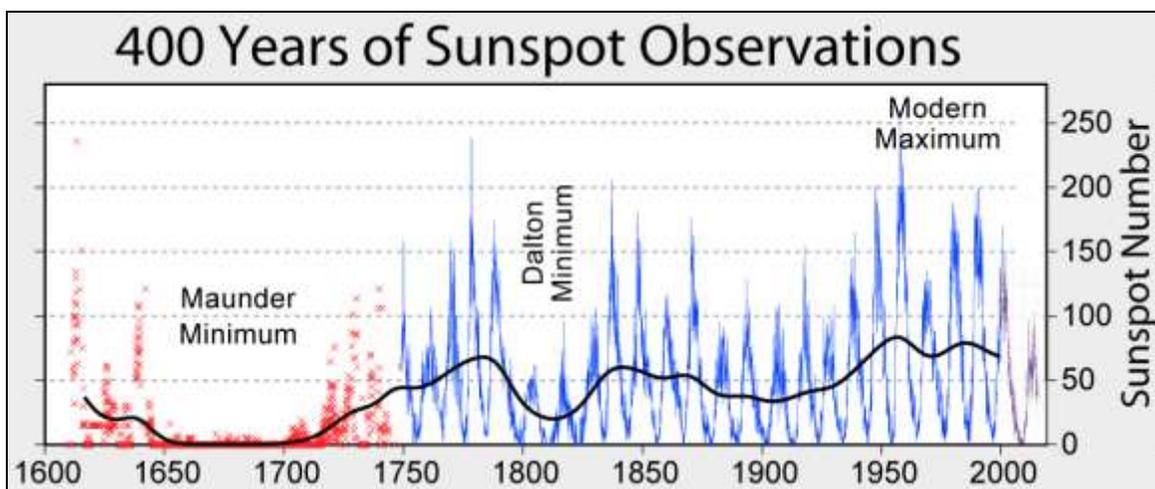
Fortunately, it is nice to see a study work out and after reaching the most active in thousands of years, the sun's output is diminishing. So far, approaching levels last recorded in the early 1900s. The trend has changed and is a built in cooling force. High temps over the past twenty years have been set with two strong El Ninos. Both weather events.

The first chart shows the declining trend in the Sunspot count.



The next chart starts when reliable observations began to be recorded, which coincided with the unusual low subsequently called the Maunder Minimum. It was associated with the Little Ice Age. Revealing the ambitious nature of authoritarians, Michael Mann “disappeared” this part of geological history as well as the preceding Mediaeval Warm Period that reached its best in 1300. Mann’s theory about carbon dioxide can’t explain those extremes.

Perhaps the most remarkable example of sordid science vs skeptical science since Lysenkoism.



Another way of keeping track of the trend reversal is through the count of Spotless Days, when the Sun shows no sunspots.

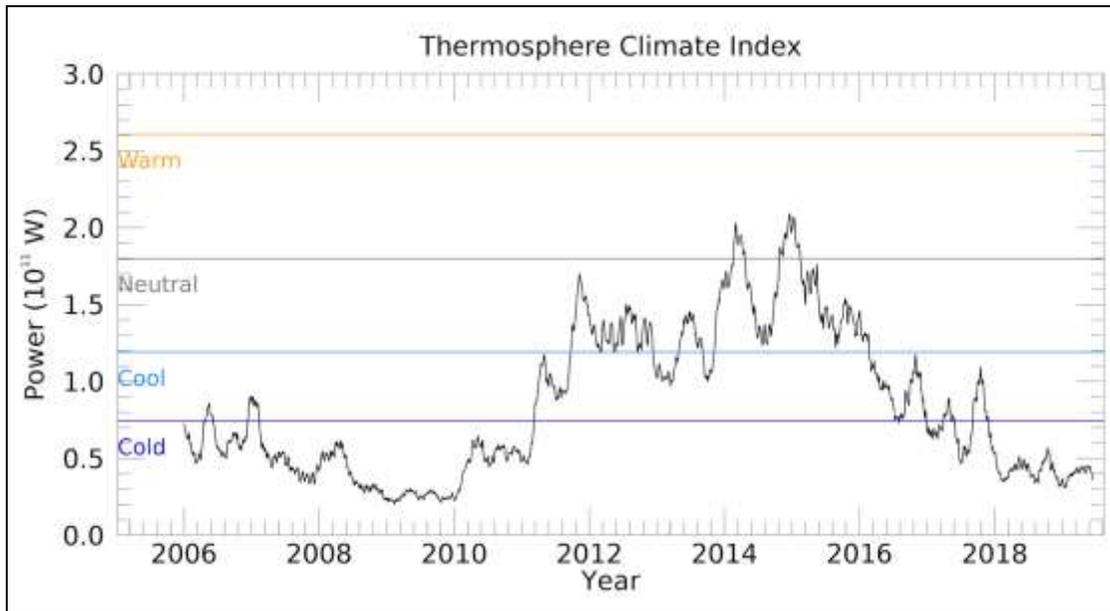
The current run is out to 36 consecutive days. And anything out to 30 is considered a big count. The following table has yet to update with the current run.

<i>Periods with spotless days (<math>\geq 30</math> days) since 1849</i>														
Rank	SC	Begin	End	Days	Rank	SC	Begin	End	Days	Rank	SC	Begin	End	Days
1	15	08 Apr 1913	08 Jul 1913	92	9	10	22 Apr 1856	01 Jun 1856	41	15	11	20 Apr 1867	24 May 1867	35
2	14	11 Mar 1901	18 May 1901	69	10	14	26 Nov 1901	04 Jan 1902	40	16	24	31 Jul 2009	31 Aug 2009	32
3	12	16 Feb 1879	10 Apr 1879	54	11	16	06 Jan 1924	13 Feb 1924	39	17	24	21 Jul 2008	20 Aug 2008	31
4	14	17 Mar 1902	04 May 1902	49	11	15	15 Jul 1913	22 Aug 1913	39	17	17	12 Dec 1933	11 Jan 1934	31
4	10	14 Aug 1855	01 Oct 1855	49	12	11	29 Dec 1866	04 Feb 1867	38	17	15	12 Jul 1912	11 Aug 1912	31
5	12	04 Apr 1878	20 May 1878	47	12	10	12 Dec 1855	18 Jan 1856	38	17	14	25 Nov 1900	25 Dec 1900	31
6	14	16 Jan 1902	01 Mar 1902	45	13	12	17 May 1876	22 Jun 1876	37	18	19	03 Jun 1954	02 Jul 1954	30
6	12	14 Sep 1878	28 Oct 1878	45	13	12	27 Jul 1878	01 Sep 1878	37	18	17	13 Jul 1933	11 Aug 1933	30
7	15	21 Jan 1912	03 Mar 1912	43	14	18	18 Apr 1944	23 May 1944	36	18	14	08 Jul 1902	06 Aug 1902	30
8	23	13 Sep 1996	24 Oct 1996	42	14	17	05 Nov 1933	10 Dec 1933	36					

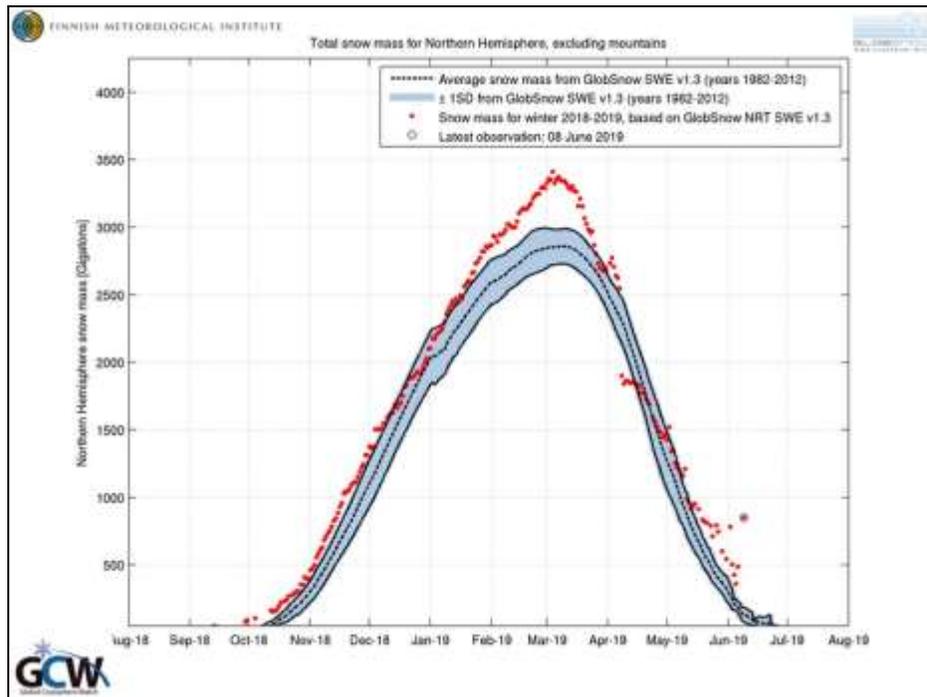
Then SpaceWeather.com keeps a current table on Spotless Days.

<b>Spotless Days</b>	
Current Stretch:	36 days
2019 total:	109 days (62%)
2018 total:	221 days (61%)
2017 total:	104 days (28%)
2016 total:	32 days (9%)
2015 total:	0 days (0%)
2014 total:	1 day (<1%)
2013 total:	0 days (0%)
2012 total:	0 days (0%)
2011 total:	2 days (<1%)
2010 total:	51 days (14%)
2009 total:	260 days (71%)
2008 total:	268 days (73%)
2007 total:	152 days (42%)
2006 total:	70 days (19%)
Updated 24 Jun 2019	

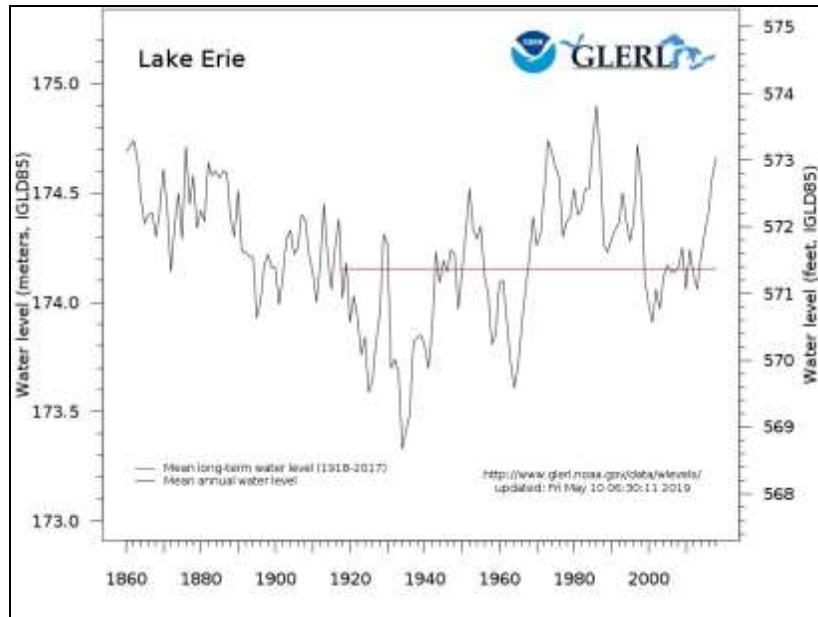
Next, we look at the result of diminishing solar energy in the higher atmosphere. And the chart shows that conditions “up there” have been cooling.



And then there is an interesting was to look at the record on the ground. The last chart shows that for the Northern Hemisphere the snow cover has been rather high. Of importance is the amount of energy being reflected back to outer space. And the snow cover does that and the higher it is above the norm from April on the more energy is lost.



And one last chart shows the level of Lake Erie. Note the low levels with the natural drought and heat of the 1930s. Of course, the big pitch from climate hysteria has been heat and drought. But never cool and wet.



### It's Totally Possible to Limit Global Warming to 1.5 Degrees

<https://blogs.ei.columbia.edu/2018/10/10/limit-global-warming-ipcc/> ▼

Oct 10, 2018 - The difference between **1.5°C** and of **2°C** of **warming** seems small, but every half-a-degree matters. **Limiting** climate change to **1.5°C** instead of ...

**"Just imagine yourself  
in a world five years  
from now, when there is  
no more ice over the Arctic"**

**Tim Flannery 2008**

