

Debunking AGW

🌐 kevinloughrey.com.au/Climate/Facts.html

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"A Good Government's role is to facilitate and, only as a last resort, to regulate."

THE TRUTH ABOUT MAN-MADE (ANTHROPOGENIC) GLOBAL WARMING (ALSO CALLED "AGW")

Foreword

Inexpensive, reliable, and plentiful energy is the foundation-stone of any successful and prosperous modern economy. The major motivation for going to the considerable effort of creating this web-page is revealed in this graph concerning the cost of electrical energy to consumers in Australia.

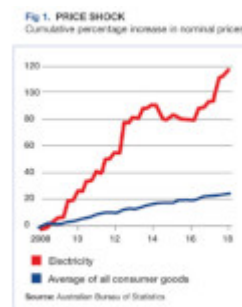
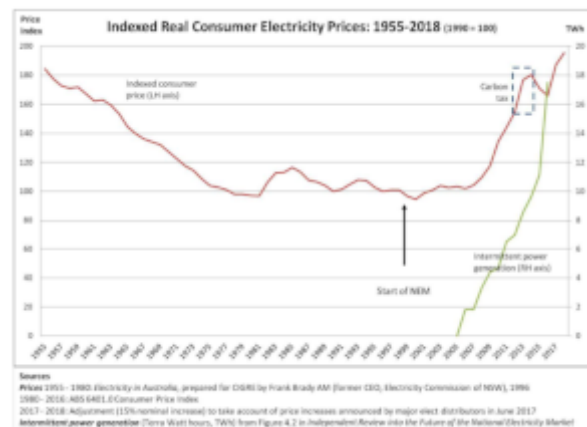
Fig 2. The effect of injecting intermittent power into the electricity grid

[Click picture to enlarge](#)

Fig 1. Since the introduction of "Renewables", the Cost of Electricity has risen more than 6 times the CPI (up to 2023)!

[Click picture to enlarge](#)

As shown in Figure 1 opposite, since the introduction of renewables into Australian electricity systems, despite frequent assurances from advocates of renewable energy that the cost of energy would actually become less, **the cost of electricity has risen almost 6 times the Consumer Price Index**. This is because injecting intermittent power into an electricity grid drives baseload generators into diseconomy. Added to that, consumers and taxpayers are subsidising the introduction of the equipment associated with renewables; namely, solar cells, windfarms and modifications to the electrical reticulation network in order to accommodate their vagaries. These changes and the presence of renewables are causing the electricity generation to be inefficient. Worse still, a significant portion of the money being expended is going to the Chinese Communist Party, the main supplier of renewables hardware.



There is a cost of **\$14 billion per year** incurred by consumers and taxpayers, or a total cost of **\$140 billion over 10 years**.

Already 10 coal fired baseload power stations have closed in Australia.

With \$140 billion, the Australian Taxpayer could have built **70 coal fired power stations!**

The Government has based its planning on four premises (all of them false):

1. The false belief that the increasing concentration of Carbon Dioxide in the earth's atmosphere is the result of emissions by mankind.
2. This increase in Carbon Dioxide concentration in the atmosphere, which is attributed solely to mankind's use of carbonaceous fuel, will result in the atmosphere warming to such an extent that life on earth will be rendered extinct.
3. In order to reduce mankind's emissions it is necessary to generate electricity not from coal and oil but from using appliances which convert wind and solar energy to electricity.
4. That electricity generated by windmills and solar panels will be significantly cheaper than electricity generated by coal, gas or oil, despite the fact that every country in the world that has enthusiastically embraced this dogma has seen its electricity costs skyrocket and the reliability of the supply of electricity be destroyed.

With specific regard to point 4 above, advocates of "renewable" energy claim that once renewable energy systems are fully established, renewable energy will be cheaper than coal fired or nuclear power. In coming to that conclusion, Governments throughout Australia have relied heavily on a report published by the CSIRO called Gencost Report 2022-2023. There is a great deal that is wrong with this report. Many of the assumptions made within that report are biased and many are simply untrue. It is a very poor piece of research and scholarship.

If you "Google", "Critique of CSIRO Gencost Report", you will find that the first page is filled with nothing but positive support for this report. Indeed, this goes on for two or three pages. Alphabet, the company that owns Google, is a known purveyor of misinformation. Google has biased the Google search engine to only report positive things about "renewables" because that suits Alphabet's financial interests and its ideological leanings.

The fact is, within the limits of present technology, there is no way that wind and solar can possibly be cheaper than coal, gas, oil and nuclear power generation.

Here are some critiques (and there are a lot more if you search hard for them) that you need to read if you doubt this assertion:

Having been personally responsible, as a superintendent of engineering, for power reticulation and having been educated in power engineering at university, I was immediately sceptical of the claims being made by the CSIRO and the "renewables industry" generally. So I decided I would perform my own rough scoping study of the likely cost per kilo-Watt hour of electricity generated by a proposed 8 Gigawatt pumped hydro project that would be largely powered by wind and solar in Northern New South Wales. Please [click here to read that does a rough scoping study of a proposed 8 Gigawatt renewable energy system supported by pumped hydro which is being proposed by the NSW Government](#). The end result of this analysis is that, not only is it impractical to store sufficient energy from intermittent solar and wind generations facilities to ensure that supply would reliably meet demand, electricity produced under this scheme is likely to cost more than twice that produced by coal fired power stations.

Concurrent with this drive to reduce the burning of carbonaceous fuels so as to reduce the emissions of carbon dioxide, there has been a strong push to induce and even force people to use electric cars. These vehicles are expensive and use materials that are not in abundance on planet earth. They are also extremely dangerous because of the fire risk batteries which are "energy-dense" pose when things go wrong. These vehicles pose a huge risk in the garages and parking lots of buildings.

So why have most Western economies been subjected to these costs?

The answer to this question is found in the false belief the earth's atmosphere is warming and this warming is due to an increasing concentration of Carbon Dioxide in the atmosphere. This posit is based in false science and was rebutted in the early 1900's by both Angstrom and Einstein. CO2 has no appreciable effect on the temperature of the earth's atmosphere. For a detailed dissertation on this subject and climate science generally, please read "The Rational Climate e-Book", by Patrice Poyet.

Likewise, Nobel Laureate (Physics 2022) Dr. John Clauser has published a paper showing conclusively that clouds (and by that we mean water vapour generally) are the chief determinant of atmospheric temperature and climate generally. CO2, Methane and Nitrous Oxide have no appreciable effect on the earth's atmospheric temperature. Reducing human emissions of these gases is nothing short of idiocy! You won't be disappointed!

Additionally, "Climate Change Politics" and "Climate Change, a Political Storm in a Teacup", both by Dr John Happs, are also books I strongly recommend for any serious student of this subject. These books are rich with historical fact and are excellent meticulous and painstaking works of scholarship. John provides reference after reference knitting together a picture of enormous deception by the rich and powerful aided by a media corrupted by the same. The first book deals with the politics surrounding this awful hoax. The second then provides copious references and factual data that show how science has been grossly manipulated. The facts are that the earth's atmosphere is unaffected, in terms of its temperature, by the concentration of carbon dioxide. In actuality, as will be shown here, raw, unadjusted land temperature data shows that the earth's atmosphere is, in fact, cooling! It is not warming! That was the consensus of scientists in 1961 before it became profitable and advantageous to one's career to be a climate change alarmist. For a short paper, positing the earth's atmosphere is actually cooling, with the self-explanatory title of, "The Non-Effect of Greenhouse Gases on Earth's Atmosphere", please [click here](#).

Even if one does believe carbon dioxide causes appreciable warming of the atmosphere, any further increase in the concentration will not make any appreciable difference to the earth's global temperature because those narrow bands of the IR spectrum that are absorbed by carbon dioxide are already being fully absorbed by the existing concentration. Additional carbon dioxide will not make it appreciably worse.

Indeed, as explained in the following, the increased carbon dioxide in the earth's atmosphere has had numerous beneficial effects. It is doing no harm. It is doing good.

Fig 5. Changes Made by NASA to Historical Temperature Record(Tony Heller)

[Click picture to enlarge](#)

Fig 4. The Earth Has Been Cooling for 10,000 Years!

[Click picture to enlarge](#)

Fig 3. 1961 Consensus(courtesy of Tony Heller)

[Click picture to enlarge](#)

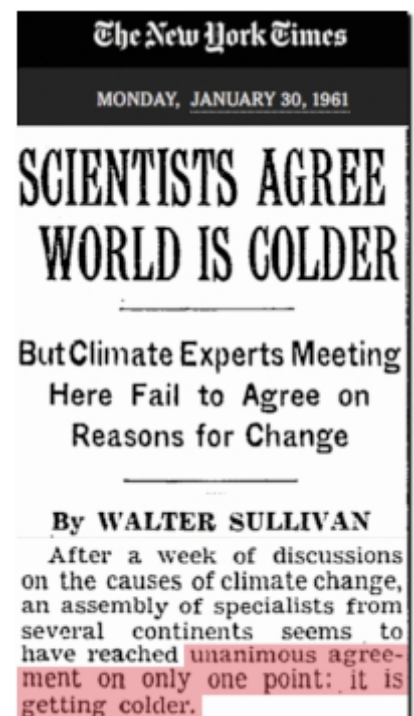
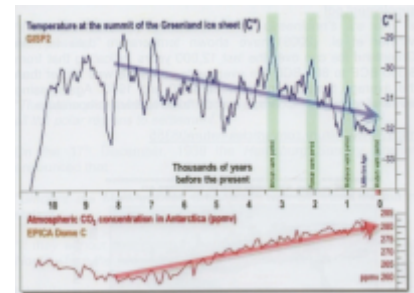
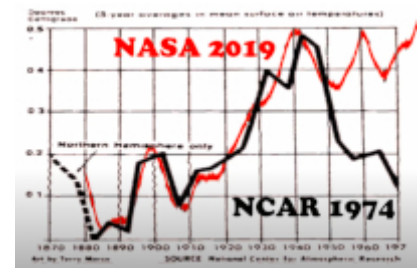
It's Cooling Not Warming

Mankind should be concerned about the coming global cooling, not global warming. Should that happen, there is a possibility of long-term drought in the Southern Hemisphere, global crop failure, widespread famine, mass illegal migration and a collapse of Western civilisation.

Opposite is a graph shows that for the past 10,000 years the earth has been steadily cooling in fits and starts. Note that, in the past, there have been much greater variations in temperature than have been experienced in recent times.

In 1961, there was unanimous consensus for global cooling. Somehow between then and now, the temperature data for over 100 years has been revised such that the past was made cooler and the present was made warmer. Below are displayed graphs of raw data recorded from temperature monitoring networks around the world. They all show the same cooling trend. For all of these networks, operated over very long periods of time by persons who did not collaborate, nor even communicate with each other, to be erroneous is just not plausible. The raw data, before it has been adjusted by those who are selling the narrative the earth's atmosphere is warming and that this warming is the result of increasing concentrations of CO₂, shows a distinct cooling trend, in fits and starts, over the last 100 years. In recent times, the hottest period seems to be around the 1930s.

Opposite is a graph that was published by the National Center for Atmospheric Research around 1974. This correlates closely to a graph which will be shown later, derived from raw historical data captured by the US Climatology Network. By 2019, personalities at NASA, most likely Mr James Hansen and Mr Michael Mann, had gradually altered this data as depicted by the red line so that there has been a cooling of the past and a warming of the present.



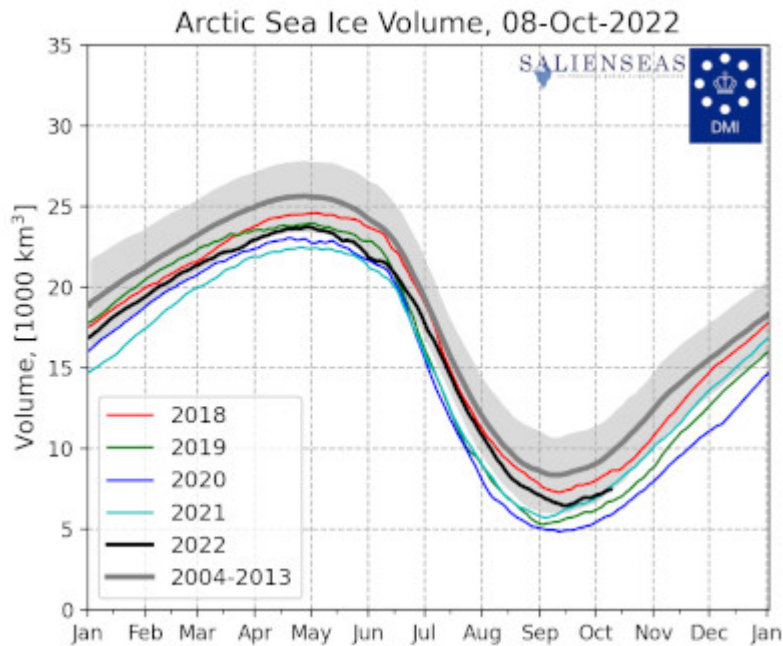


Fig 7. The Northern Ice Extent now Gradually Increasing

[Click picture to enlarge](#)

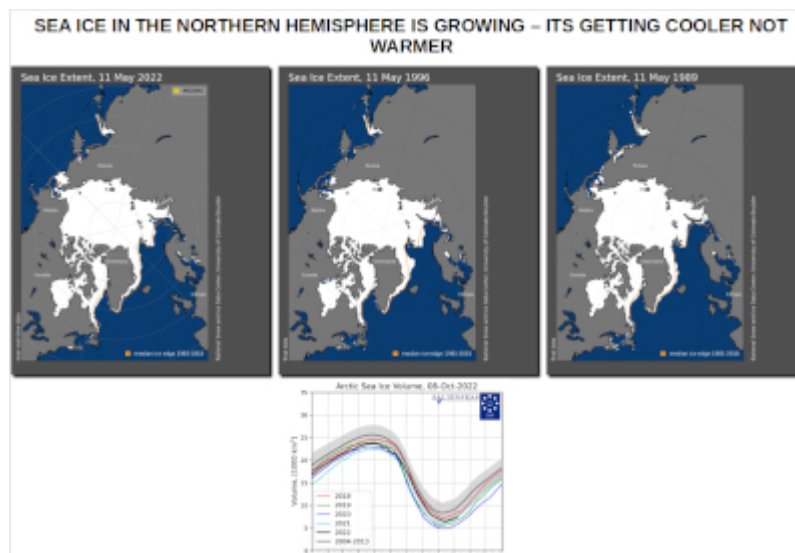


Fig 6. Northern Ice Cap Growing(courtesy of Tony Heller)

[Click picture to enlarge](#)

The Northern Ice Cap that Refuses to Disappear

If you "Google", "Northern Hemisphere Ice Extent", you will find now-discredited reports from NASA, asserting the ice caps are disappearing. There are two lessons here for the alert, critical thinker and I stress that you should be suspicious of everything you read (even on this webpage) because a lot of people have a lot invested in the fraud that is "Global Warming". Google is owned by Alphabet and huge investors in Alphabet are Vanguard and Blackrock Asset Managers. They have invested heavily in "renewables" and advocate investing in China. (As related example, these gigantic asset managers have also invested heavily in mRNA vaccine technology which would explain why whenever you search on anything related to this subject, even on Facebook, you are confronted with an unsolicited banner telling you that the mRNA vaccines have been extensively tested and are safe and effective. Now that data has

been forced, through court action, to be released, whereas before the authorities sought to seal it for 75 years!, we are learning that the mRNA vaccines were never thoroughly tested and that many people were injured and even died during the testing. We also now know that they are anything but effective. Indeed, people who have received mRNA injections are significantly more likely to contract and die from COVID-19. That is the power of this modern globally connected world and what has come to be known as "Big-Tech". If there is a lesson to be learned here, it is, "Distrust everything and personally verify anything using numerous independent sources." Your future wellbeing, prosperity and happiness depends on how you navigate your way through this morass of misdirection and propaganda.

If you look at the two maps of the Northern Ice Extent opposite you can see that it is gradually growing. If you click on the graph of the Ice Extent as at September 2022, you will see that this year it has been significantly greater than recent years. The ice extent is growing and is expected, sporadically, to grow until at least 2035 when the earth will be deep into a Grand Solar Minimum. You will learn about this later in this webpage.

Actual raw (unadjusted) data collected from opposite sides of the planet

The following graphs are derived from raw, unadjusted data. (My sincere thanks to Mr Tony Heller.) This is significant. These archives represent temperature readings taken by numerous groups of people over, in some cases, a period of greater than a hundred years, working in isolation. Some groups in the Northern Hemisphere and some in the Southern Hemisphere.

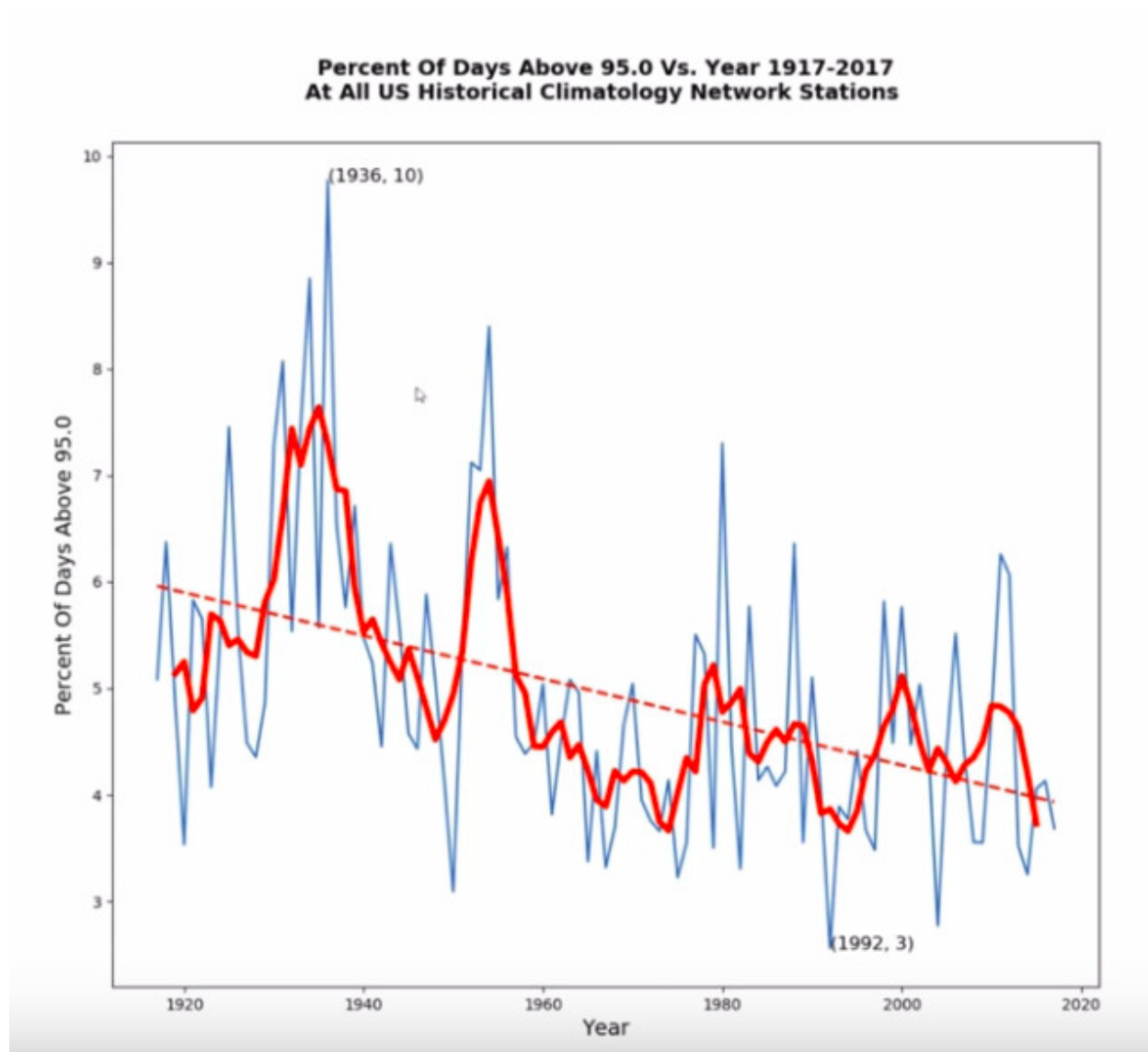


Fig 8. Here is the trend (as reported by all US-controlled weather stations) over the last 100 years

[Click picture to enlarge](#)

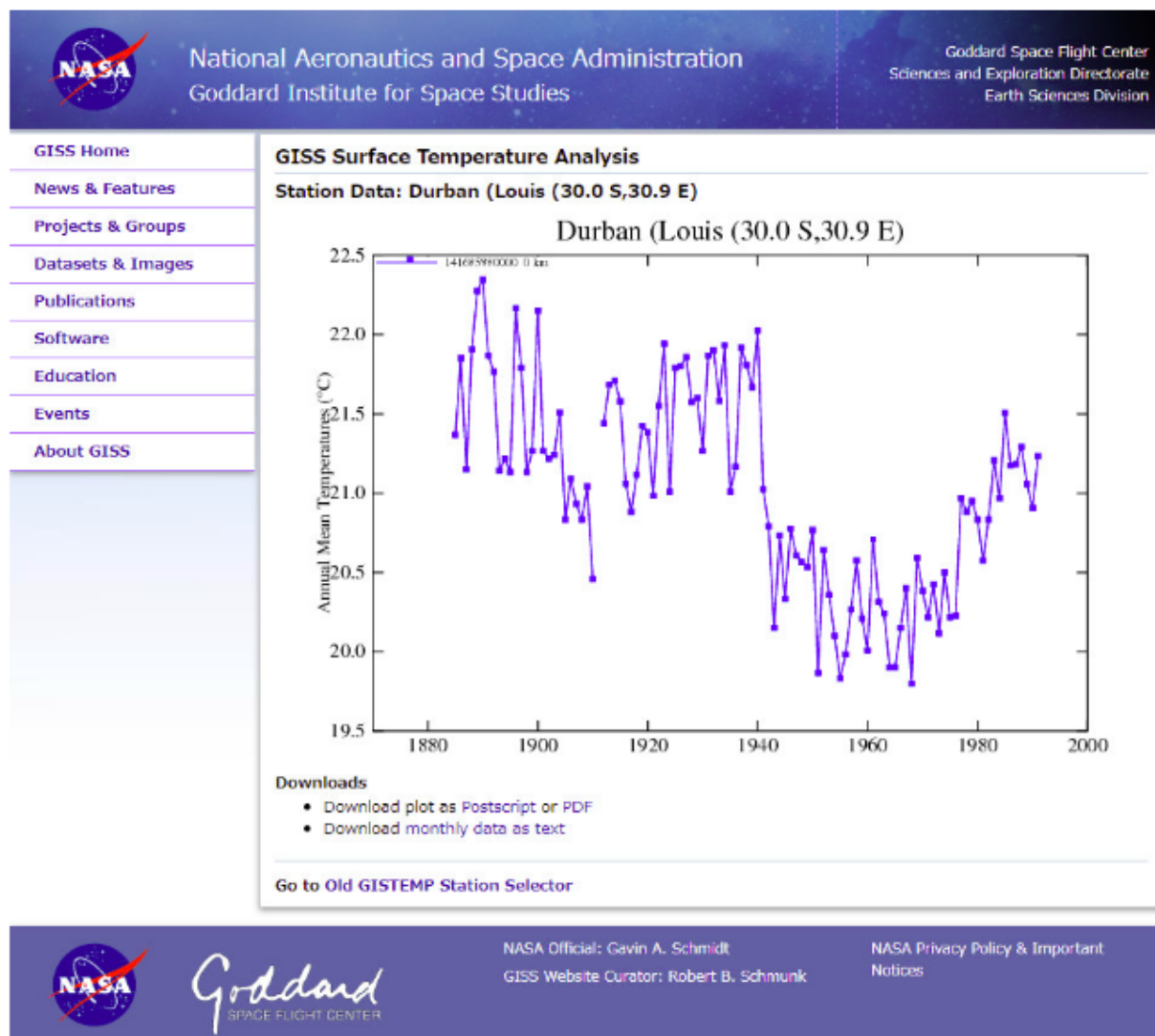


Fig 9. Here is the same trend over the last 100 years in Durban Sth Africa (1885-1995).

[Click picture to enlarge](#)

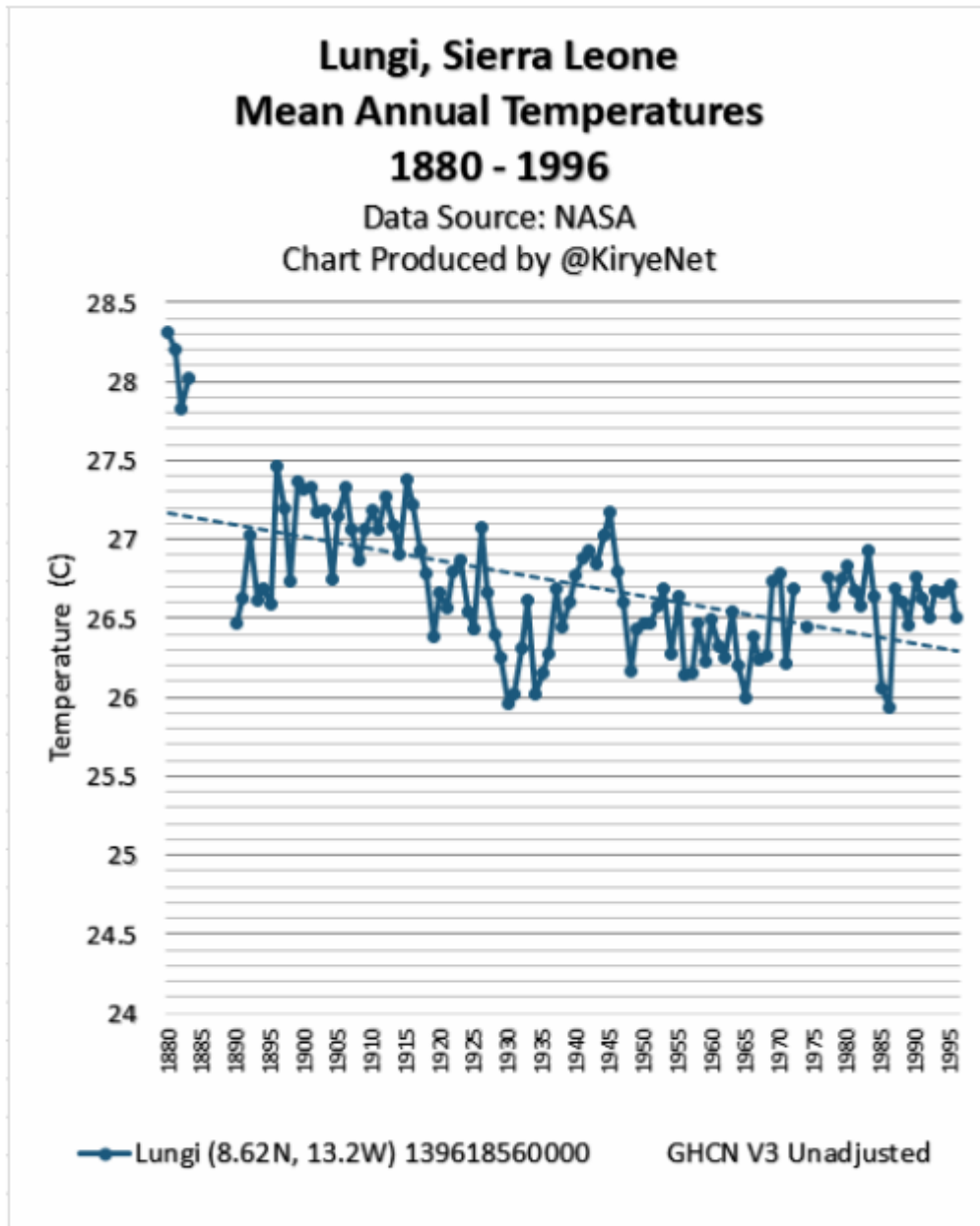


Fig 10. Here is the trend for Sierra Leone (1885-1995).

[Click picture to enlarge](#)

昭和(南極)の9月の平均気温
Syowa, Antarctica
Mean Monthly Temperatures for September
1960 - 2020

Data Source: JMA

Chart Produced by @KiryeNet

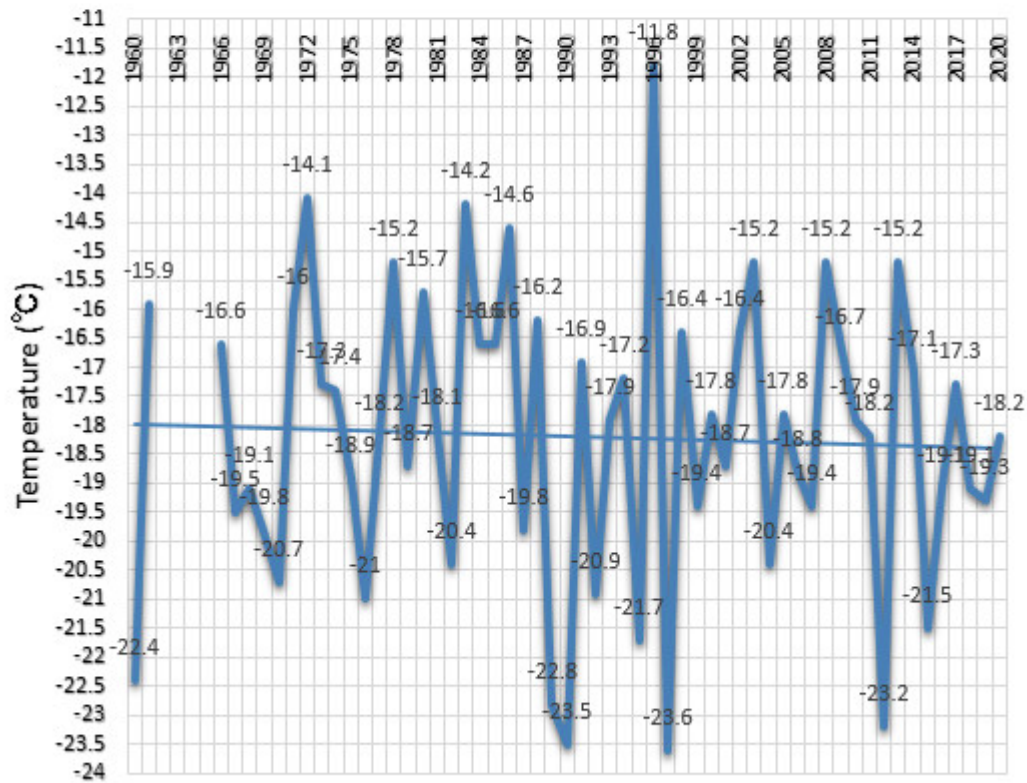


Fig 11. Here is the trend for Syowa Antarctica (1960-2020).

[Click picture to enlarge](#)

Quixeramobim, Brazil Mean Annual Temperatures 1896 - 2011

Data Source: NASA

Chart Produced by @KiryeNet

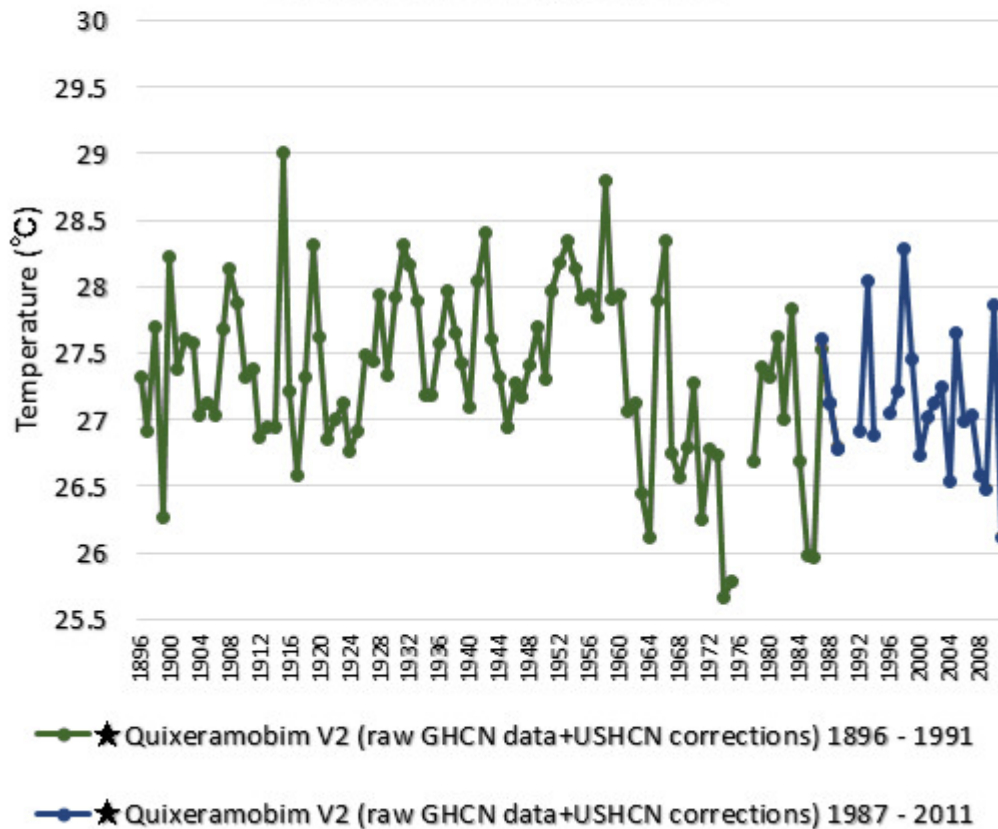


Fig 12. Here is the trend for Quixeramobim Brazil (1896-2009).

[Click picture to enlarge](#)

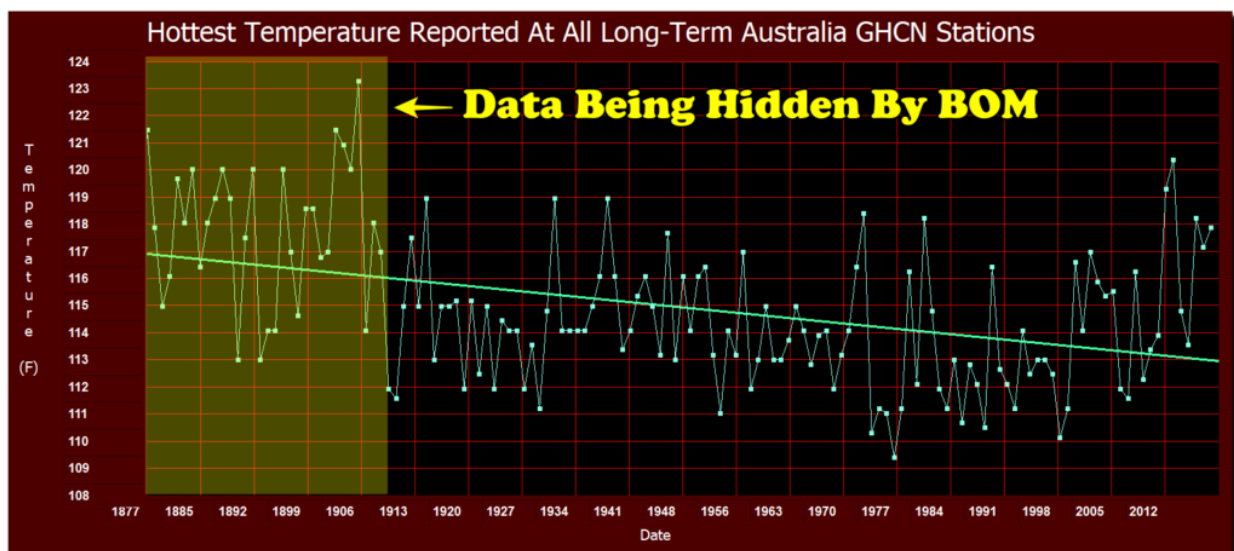


Fig 13. Here is the same trend over the last 100 years in Australia (1877-2016).

[Click picture to enlarge](#)

All of these temperature plots have one common thread. The trend is downwards. However, you will note that the Australian trend starts to diverge from the US downwards trend in the last 15 or so years since the management of the Australian Bureau of Meteorology started to fiddle with the raw data, and the methods/equipment used to collect the raw data, to fit the global warming narrative espoused by Jim Hansen to a US Congressional hearing in 1988.

The data presented in the US and Australian temperature graphs, up until fairly recent times where there is a much higher level of global communications connectivity, is the result of two groups, comprised of thousands of public servants, making tens of thousands of temperature measurements over a period longer than 100 years without any opportunity for those two groups to collude. The data they recorded, one group in the Northern Hemisphere and one in the Southern Hemisphere, almost perfectly on the other side of the planet to each other, records the same downward trend. The same comment applies to the other plots from other parts of the world. The temperatures are falling and have been doing so in fits and starts for over the last 100+ years. ***The chance of these independently operating groups getting the data wrong is infinitesimally small.***

The Evidence supporting the Contention there has been Deliberate Fraud - The planet is cooling... not warming.

One can only conclude that this data is accurate. If that is indeed the case, one can only conclude that there has been widespread fraud and/or incompetence on the part of Government agencies the taxpayers and our political representatives should have been able to trust. This fraud has consisted of systematically altering past archival data over a number of years in carefully stage manipulations. As a primer to learn how this was carried out, I urge you to look at the following excellent presentation, by Mr Tony Heller, someone whose integrity and technical knowledge I admire.

For a more detailed explanation of the level of fraud that has been perpetrated by Government agencies, aided and abetted by other organisations and agencies with an interest in promoting the pseudo-science that is AGW, plus how they have done this, you need to watch (These presentations go into far more detail than the earlier one I alluded to above.):

"A Very High Probability Of Fraud By Government Climate Scientists", by Tony Heller.

A Government climate report which was leaked to the New York Times, was loaded with misinformation, manipulated data, bad mathematics, junk science and fraud.

If that grabs your interest then there is a series of 4 videos that further elaborate on the scale of this fraud and what is driving it. **"Fraud In The National Climate Assessment (Part 1)", by Tony Heller.**

This is the first of a series of videos exposing the dishonest practices of the government scientists who wrote the 2018 National Climate Assessment. They have an agenda, and the agenda has nothing to do with informing the public about climate.

"Fraud In The National Climate Assessment (Part 2)", by Tony Heller.

The National Climate Assessment contains sea ice graph information designed to mislead readers. This video details how this is so.

"Fraud In The National Climate Assessment (Part 3)", by Tony Heller.

You might say, "How could this be? This can't be true!" Then you need to watch:

"The Climate Industrial Complex", by Tony Heller

This video deals with what Heller calls "the climate industrial complex" and how it has manipulated data so as to give itself a lucrative income at the expense of taxpayers and consumers of energy worldwide.

The Fraud of the 97% Consensus

Fig 14. 97% Consensus - Busted as Fraudulent!

You may have heard that the majority of climate scientists agree with AGW. That is absolutely untrue. If you want to learn about how fraudulent the process was that came to that lie, you need to watch:

"97% Fraud!", by Lord Christopher Monckton.

You can also read:

The Stunning Statistical Fraud Behind The Global Warming Scare

ExaminingTemperatureRecordingFraud
or



Mark Steyn's Book, "A Disgrace to the Profession" Page 295 describes a survey by Margaret Zimmermann a master of science student at the University of Illinois, in 2008, sent out an on-line Questionnaire to 10250 earth scientists. Of those, 3146 responded. Of those, around 50% did not support an opinion on Global Warming as a consequence of mankind's CO2 output. So Zimmermann selected 79 of the 3,146 that responded and posed another question. Of which 75 scientists gave her an answer that was acceptable to her. From that she derived the figure 97.4% of climate scientists agree. John Cook, an Australian "researcher" is also similarly guilty of such dubious practices to reach a similar flawed conclusion.

Indeed, real scientists were so incensed by this fraud that they started what was called "The Global Warming Petition Project"

In that, 31,487 American scientists, including 9,029 with PhDs, have signed this petition stating that:

"There is no convincing scientific evidence that human release of carbon dioxide, methane, or other greenhouse gases is causing or will, in the foreseeable future, cause catastrophic heating of the Earth's atmosphere and disruption of the Earth's climate. Moreover, there is substantial scientific evidence that increases in atmospheric carbon dioxide produce many beneficial effects upon the natural plant and animal environments of the Earth."

For further evidence as to the authenticity of this petition go to Global Warming; 31,487 Scientists say NO to Alarm

So how is it that some scientists are actually promoting this fraud? Well the answer might be found here:

"Scientists Have been Bought!", by climatologist Roy Spencer - The Bias in Climate Science

In this video Dr Roy Spencer, a person who once worked for NASA (and who is mentioned in glowing terms in the previous video, "Scientists say NO to alarm"), describes how scientists have prostituted their integrity in order to have a safe, secure job. In recent times, we have seen the unfair dismissal of Professor Peter Ridd from the James Cook University because he expressed concern about the rigour of peer review and the accuracy of data presented in papers produced at the university. The university benefits greatly from Government grants to investigate a problem that Professor Ridd suggests may not exist or, at the very least, is exaggerated!

As mentioned at the beginning of this paper, the earth has been cooling for 10,000 years.

The graph at the start of this blog, (The big picture: 65 million years of temperature swings) shows that the earth has been steadily cooling in fits and starts for the last 10,000 years. When viewed over that timeframe, the recent warming period is not statistically relevant. The earth is now entering a period of global cooling not warming!

The Sea Levels are NOT Rising at an Increasing Rate

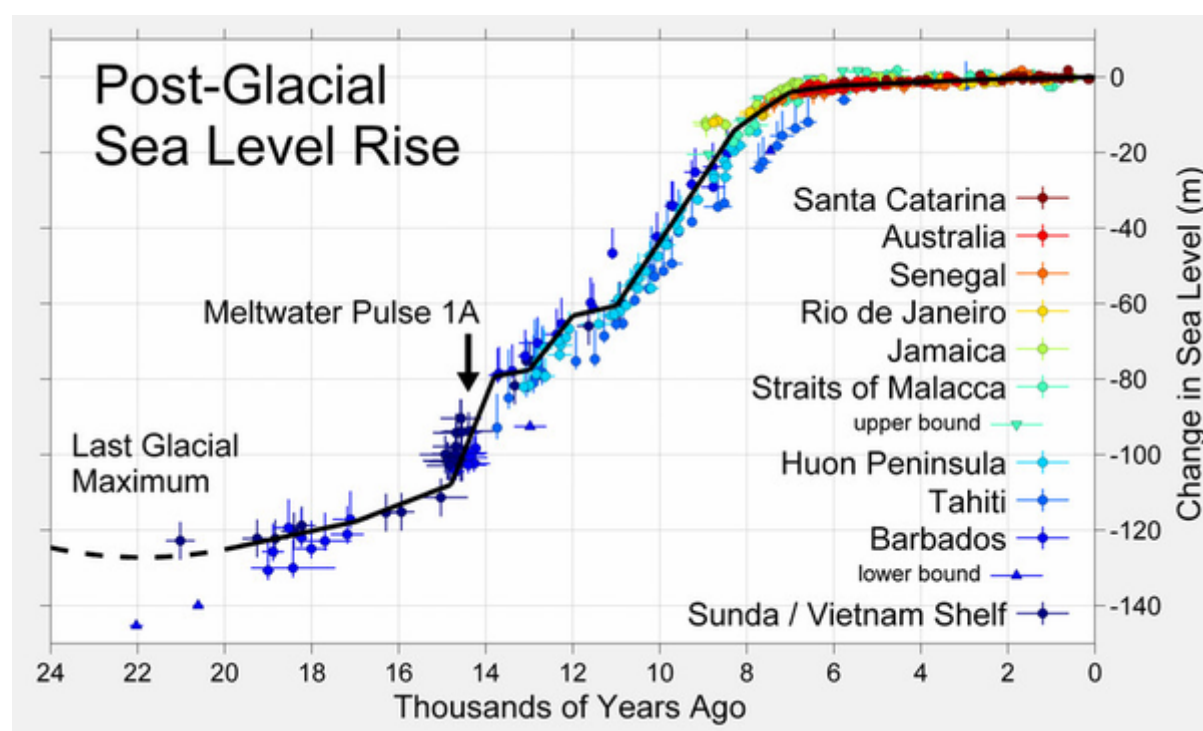


Fig 15. The Rate of Rise of Sea Level is Slowing Down

[Click picture to enlarge](#)

An examination of the historical record relating to rising sea levels further reinforces the graph showing cooling at the beginning of this page. The rate of rise has actually been decelerating over the last 10,000 years. The present rate of rise is pretty much constant. Consistent with this, the graph, (left - based on data from Fleming et al. 1998, Fleming 2000, and Milne et al. 2005 - Wikimedia Commons) shows that the rate at which the sea level is rising has plateaued and is possibly even in a gradual decline.



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Rising Sea Levels – The Climate Debate

The seas and oceans to the east of Australia forms the largest body of water on Earth. This broadly connected vast body of water presents a genuine sea level. The Sydney Fort Denison Recording Station provides stable, accurate and genuine mean sea level data. The following table shows mean sea levels at 10 year intervals and these levels are related to Chart Datum which is at the lowest spring tide level.

100 YEARS OF MEAN SEA LEVELS AT FORT DENISON, SYDNEY:

1914 – 1.11 metres
1924 – 0.98 metres
1934 – 0.98 metres
1944 – 0.97 metres
1954 – 1.00 metres
1964 – 1.09 metres
1974 – 1.09 metres
1984 – 1.02 metres
1994 – 1.04 metres
2004 – 1.08 metres
2014 – 1.12 metres
2019 – 1.05 metres

Accordingly, the mean sea level at Sydney in 2019 is 6 centimetres lower than the mean sea level at Sydney in 1914 when the Bureau Of Meteorology commenced recording Mean Sea Level.

High Sea Levels during Storm, Cyclone & Low Pressure Events.

BBC and ABC commentators have asserted that sea levels may permanently rise by 1 to 2 metres in the next 100 years. 100 years of records on the largest water body on Earth indicates that this is incorrect.

There have always been short period storm and low pressure rises in sea levels. The highest recorded sea level at Sydney occurred during the 1974 low pressure storm. The sea level rose to 30 cm above high spring tide level for one day. During recorded history there has been no indication whatsoever of a 100 to 200 cm permanent rise in sea level.

There will always be short period storm, cyclone and low pressure rises in sea levels in close proximity to cyclone and storm centres. These storm centre rises in sea levels are not permanent.

Ocean swells and storm waves can exceed 16 metres during major storm surge events. It is these massive waves that have caused significant damage to coastal and island communities in the past. It is certain that huge storm event waves will occur in the future and will cause significant damage to the island and low lying communities. Coastline and flood zone protection is the sane answer to storm event damage.

It is polite and essential that the world population should avoid incorrect climate nonsense. We need to divert the alarmist energy to caring for the planet. Cease polluting the oceans. Prevent development of flood prone land and threatened coastal zones that have been, and will always be, subject to flooding.

Dan Fitzhenry.

Capt. Daniel Fitzhenry – CPHS1 Hydrographic Surveyor – Registered Surveyor – Dip. Environmental Studies (Macq.)

Steven Fitzhenry – B.Eng. (Civil) Sydney – MIE Aust. – Maritime Civil & Structural Engineer – Project Manager

Capt. Adam Fitzhenry – B. Eng. Honours (Civil) Syd, MBA AGSM – Maritime Civil & Structural Engineer – Oceanographer

Ellie Fitzhenry – B.Sc (Sydney) – Marine Biology & Ecology – Marine Science

Capt. Paul McGaw – ROV Operations Manager – Electrical & Mechanical Engineer

Tracey Hay – B.A (Macq) – Project Coordinator – IT, Statistics & Research Manager

Fig 16. Sea Levels at Fort Denison - per Daniel Fitzhenry - Hydrographic Surveyor

[Click picture to enlarge](#)

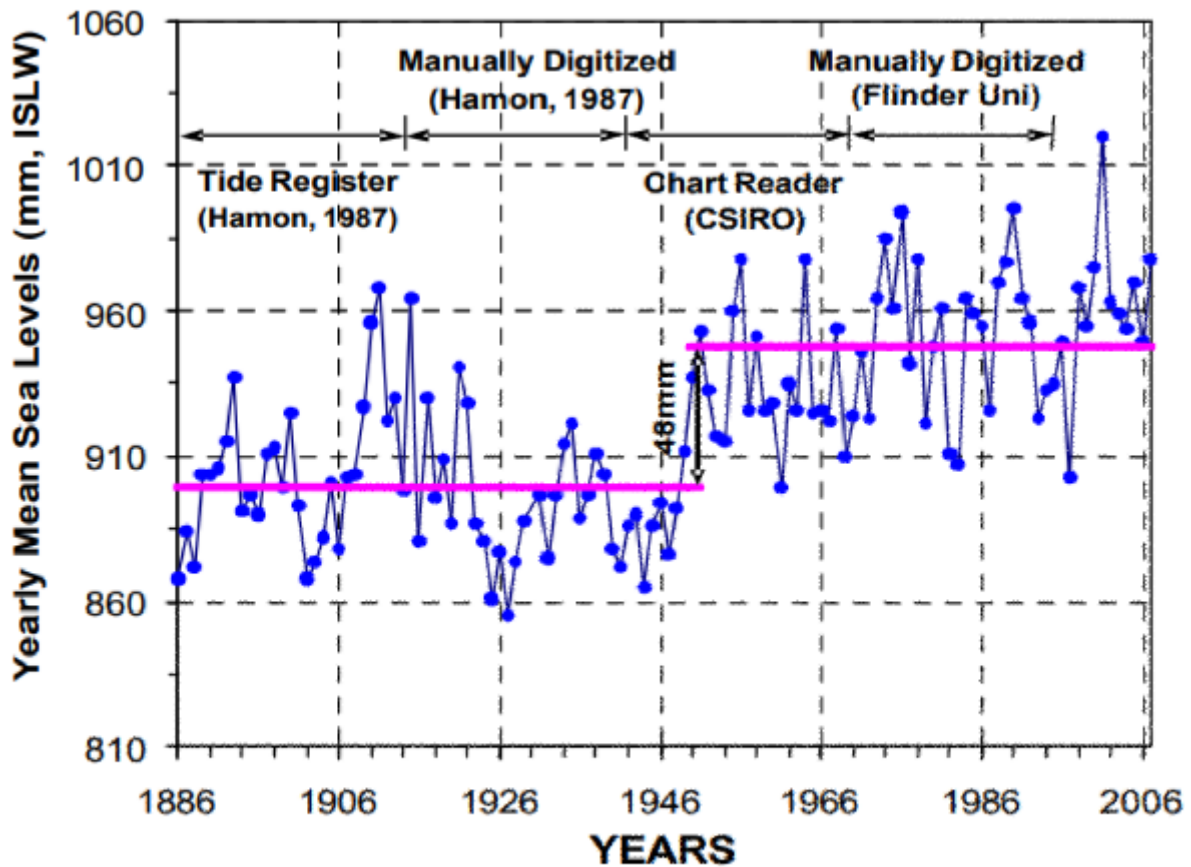


Figure 17. Annual mean sea levels measured at Fort Denison.

Fig 17. Sea Levels at Fort Denison-Official Record

[Click picture to enlarge](#)

Shown, above, is a report regarding the sea levels recorded at Fort Denison in Sydney Harbour produced by Daniel Fitzhenry - Hydrographic Surveyor. This fits well with the official record, shown to the right of Fitzhenry's report. Note in the official record that the sea level is shown as having risen by 48mm around 1952. This occurred as a result of choosing a different system of measurement, using a different data point 48 mm lower than the previous one. The general trend shown in the official record is either stagnant or downwards.

Both sources suggest that sea levels in Sydney Harbour are not rising and may be falling. (Note: There is the possibility the land in Sydney Harbour is rising because of the weight of buildings that have been constructed around the perimeter of the harbour in the last 200 years. What is certain is that the rate of rise of water level, if it is happening at all, is not significant.

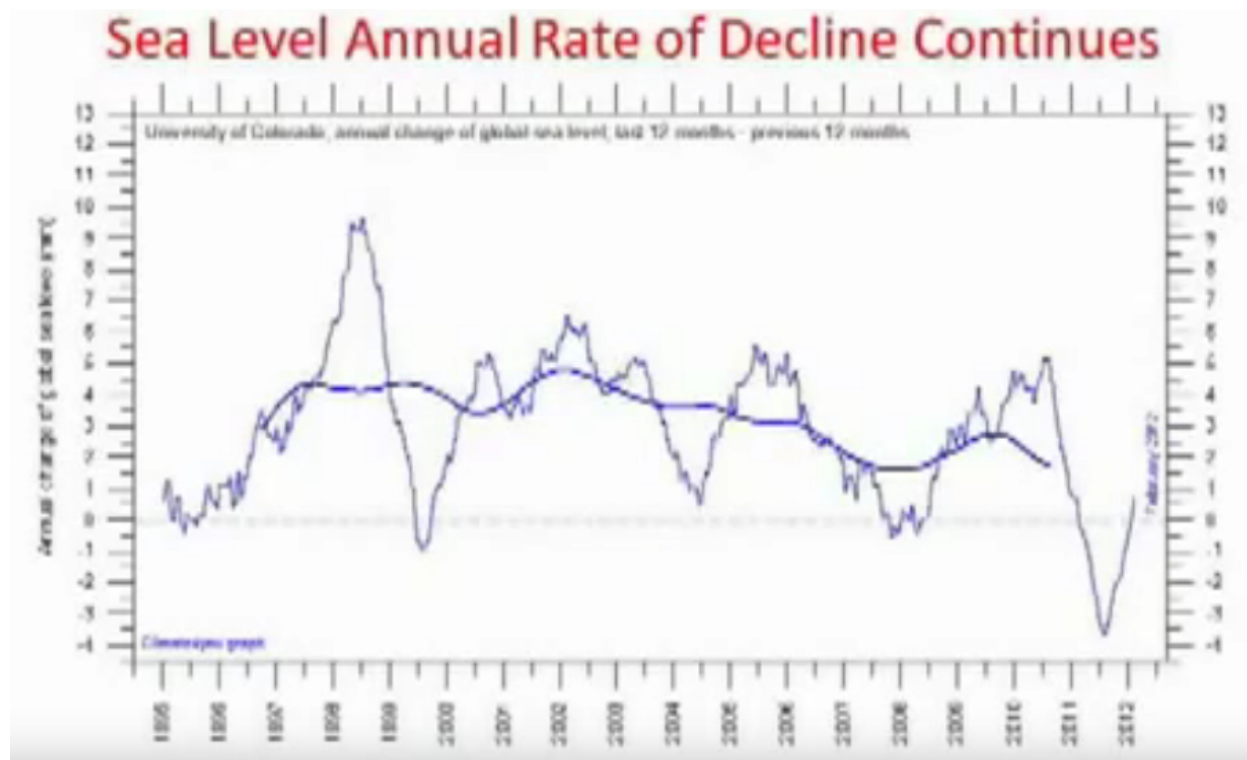


Fig 18. Sea Levels are dropping - John L Casey Presentation

[Click picture to enlarge](#)

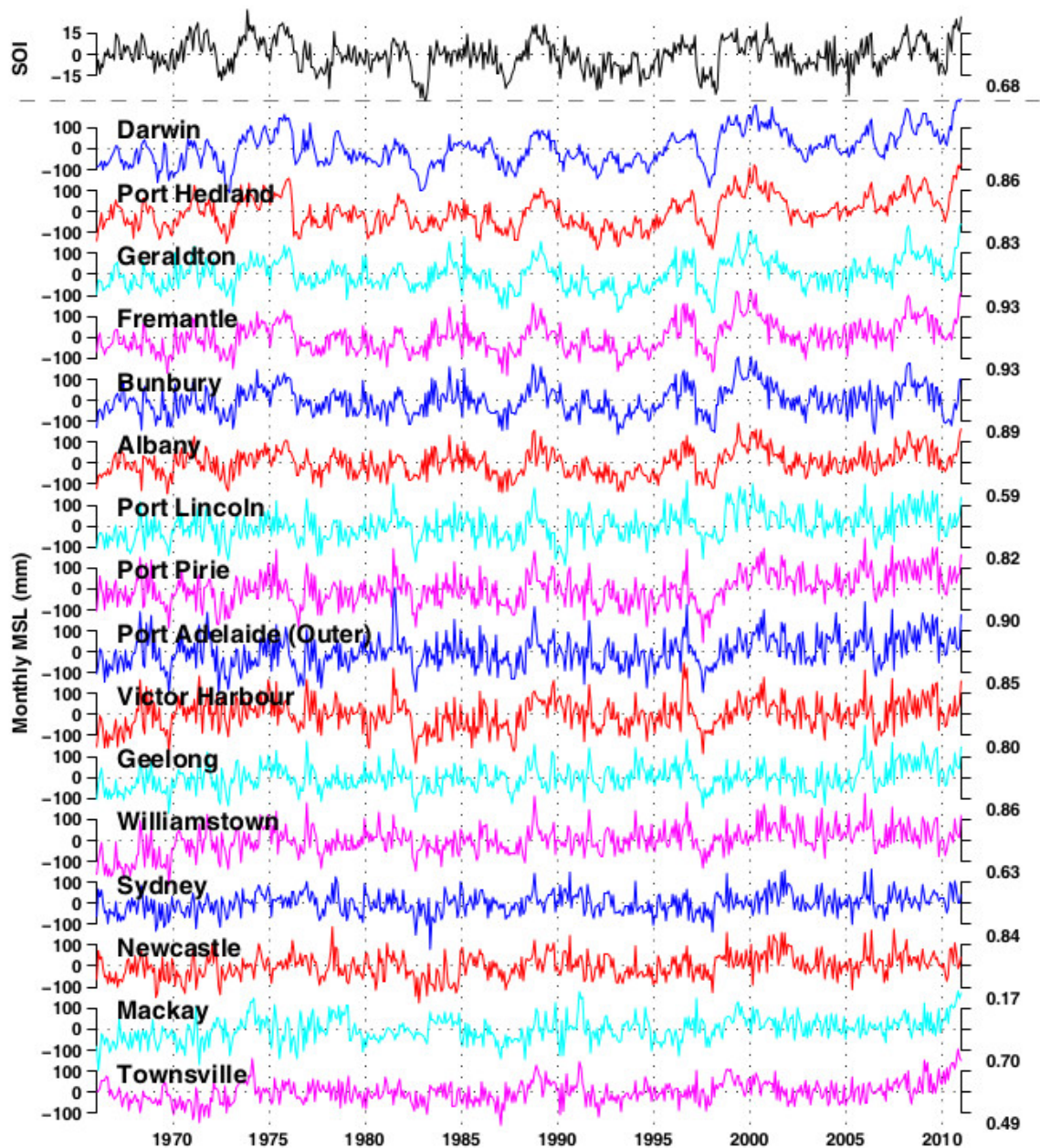


Fig 19. Tide Guage Data from Australian Coastal Tide Gauges

[Click picture to enlarge](#)

Included here is a graph from a presentation by John L Casey, based on data from the University of Colorado, showing sea levels dropping.

Here, too, are plots of the tide gauges around the Australian coastline. From these it can be seen there is no precipitate rise in sea level occurring.

CO2 does not appreciably warm the atmosphere.

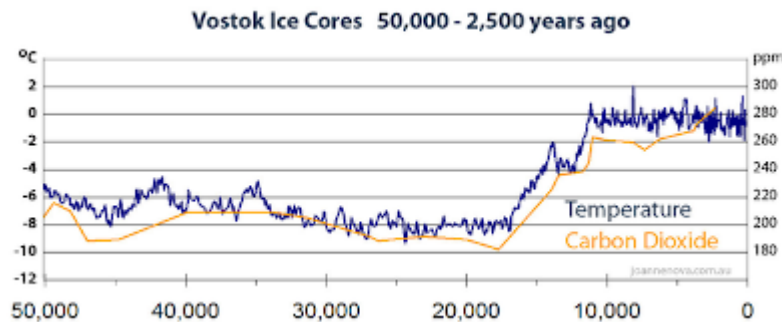


Fig 20. CO2 Concentration is caused by changes in Temperature, not the reverse

[Click picture to enlarge](#)

Let's talk about the role of CO2 in terms of it causing atmospheric warming. Three sets of ice cores taken from Russia (Vostok), Antarctica and Alaska all show that CO2 follows temperature. It does not drive it. The matter of the findings regarding the Alaska samples is dealt with in detail in:

[Four Professors explain the Science of Climate Change to Canadian Senate Hearing 15th December, 2011](#)

Historical proxy data suggests that CO2 is a symptom not the cause of warming and its most likely primary source is the ocean.

References for these assertions are as follows:

1. Petit et al 1999 - analysed 420,000 years of Vostok, and found that as the world cools into an ice age, the delay before CO2 falls is several thousand years.
2. Fischer et al 1999 described a lag of 600 plus or minus 400 years as the world warms up from an ice age.
3. Monnin et al 2001 - looked at Dome Concordia (also in Antarctica) - and found a delay on the recent rise out of the last major ice age to be 800 ± 600 years
4. Mudelsee (2001) - Over the full 420,000 year Vostok history CO2 variations lag temperature by $1,300 \pm 1000$ years.
5. Caillon et al 2003 analysed the Vostok data and found a lag (where CO2 rises after temperature) of 800 ± 200 years.

Further to this, for the technically minded, here is a scientific paper which, using physics and a rigorous mathematical examination, calls into question the whole matter of whether CO2 causes any warming of the atmosphere at all. [New Paper Uses Physics "Laws To Disassemble" Greenhouse Theory. 3 Chemists Conclude CO2 Greenhouse Effect Is 'Unreal', Violates Laws Of Physics, Thermodynamics."](#)

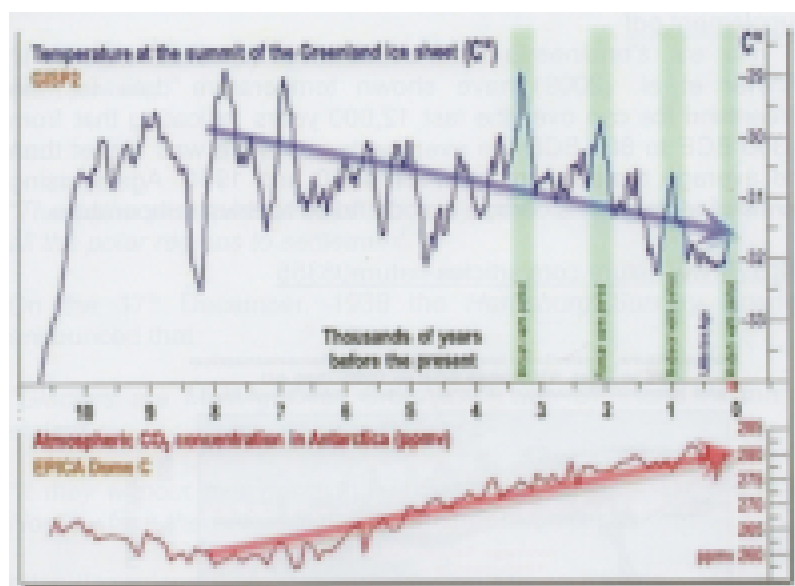


Fig 21. Temperature Dropping for 8,000 years whilst CO2 Rising

[Click picture to enlarge](#)

Figure 21 is the result of data extracted from two ice cores in Greenland. This graph shows that for the last 8,000 years the earth's atmospheric temperature has been dropping whilst the CO₂ Concentration in the atmosphere has been rising. This indicates, once again, that CO₂ has no appreciable effect on the warmth of atmosphere.

Putting the heating caused by so-called Green House Gases into some perspective

CO₂, Methane and Nitrous Oxide, absorb, on a continuous basis, Infrared radiation from both the sun and the earth and then re-radiate it. They also collide with other molecules of gas, many, many trillions of times a second, and thereby transmit their heat to these molecules by conduction. In doing this, they are analagous to a heating element in a jug with the infrared being the electricity that heats up the element which, in this case, is a group of gases that are referred to as "Green House Gases"(GHG). This applies not only to radiation entering the earth's atmosphere but also the radiation, being emitted by an earth warmed by sunlight, trying to exit the earth's atmosphere. These gases and water vapour reduce the amount of radiation striking the earth's surface and it has been posited by some that these gases slow down the exit of radiation going upwards into space. But the fact is, the sum total of the radiant energy impacting earth has come from the sun. It is not magically created by these so-called green house gases. if the gases had not intercepted some of the sun's radiation on its way to earth, this radiation would have heated up the earth's surface which would then have conducted that heat to the molecules of gas in intimate contact with it. By intercepting radiation before it strikes the earth's surface, IR absorbing gases and vapour reduce the extremes of temperature experienced on the earth's surface. Consider for a moment the temperatures being experienced on the moon where there is virtually no atmosphere. When sunlight hits the moon's surface, the temperature can reach 260 degrees Fahrenheit (127 degrees Celsius). When the sun goes down, the radiation from the moon's warm surface rapidly exits into space and temperatures can dip to minus 280 F (minus 173 C). This is the key role that the earth's atmosphere plays. It makes temperatures on earth more temperate. When considered holistically, IR absorbing gases and vapour dissipate the heat throughout the atmosphere, causing

convection currents which move energy far more positively upwards than does radiation. Along with the other gases that comprise the earth's atmosphere, these IR absorbing gases and vapour assist in the controlled dissipation of the sun's radiant energy back into space. An argument can be made that Carbon Dioxide, in the lower atmosphere, actually helps with cooling, not warming. See [Cooling of Atmosphere Due to CO2 Emission](#)

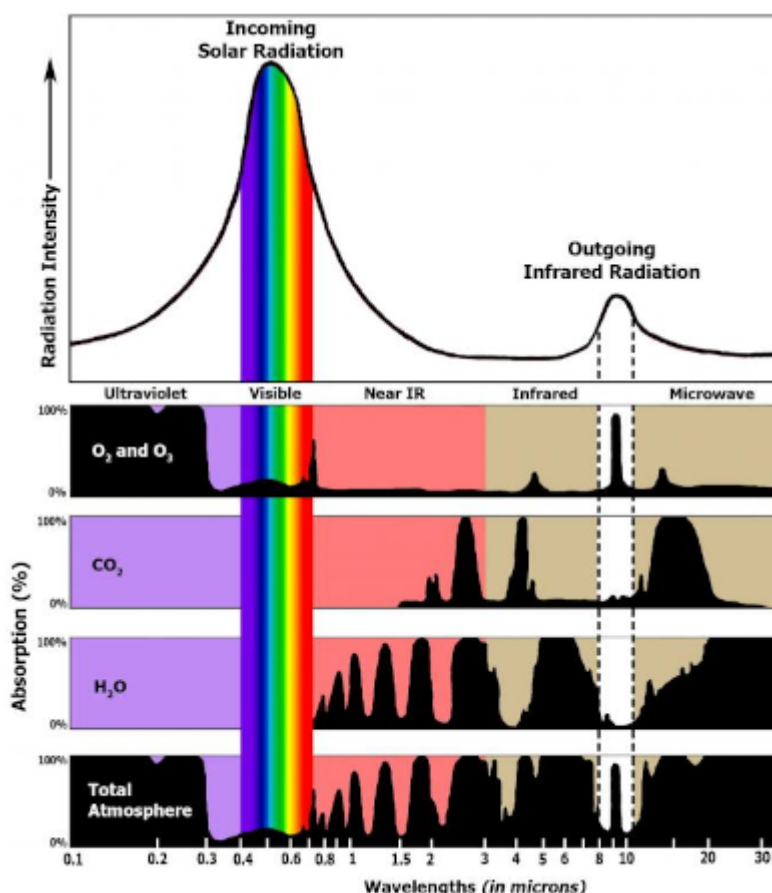


Fig 22. Radiation Absorption Spectrum

[Click picture to enlarge](#)

Further to this, here is a graphic that illustrates the radiation coming from the sun and which gases absorb Infrared.

[Click picture to enlarge](#)

This graphic illustrates the fact that water vapour plays a major role in absorbing infrared radiation. Note also that CO₂ absorbs very little of the IR spectrum and therefore absorbs comparatively little energy when compared to water vapour. Indeed, if you were to extract all of the CO₂, Methane and Nitrous Oxide from the atmosphere, the water vapour would absorb and re-radiate all of the radiation that these gases were previously absorbing and emitting before their removal.

Adding further to the trivial role of CO₂ is the fact that air, when it comes into contact with a warm surface, such as a sunlit earth, rapidly extracts the heat energy from that surface by conduction and then convects upwards (not unlike the way the element in an oven heats the air for the purposes of baking food). This not only helps to dissipate heat energy throughout all molecules comprising the atmosphere but it also gives rise to winds which further transport the energy stored in all molecules to higher altitudes where the energy rapidly dissipates in the form of electromagnetic radiation into space.

For a more technically based dissertation on this, I recommend you go to:

Chilingar Paper - Effect of CO2 in the lower Troposphere; CO2 does not appreciably cause warming.

This states, "The proponents of this [AGW] theory take into consideration only one component of heat transfer in atmosphere, i.e., radiation. Yet, in the dense Earth's troposphere with the pressure greater than 0.2atm, the heat from the Earth's surface is mostly transferred by convection(Sorokhtin, 2001a). According to our estimates, convection accounts for 67%, water vapor condensation in troposphere accounts for 25%, and radiation accounts for about 8% of the total heat transfer from the Earth's surface to troposphere. Thus, convection is the dominant process of heat transfer in troposphere, and all the theories of Earth's atmospheric heating (or cooling) first of all must consider this process of heat (energy) - mass redistribution in atmosphere (Sorokhtin, 2001a, 2001b; Khilyuk and Chilingar,2003, 2004)."

There is one further point to be made regarding the effect that CO2 has on the temperature of the earth's atmosphere. The concentration of CO2 in the earth's atmosphere is now at approximately 400 parts per million. Professor Will Happer makes the valid point that this concentration is such that just about all of the energy extant in the narrow bands of the IR spectrum that CO2 can absorb is presently being absorbed. Adding more CO2 will not appreciably add to this absorption.

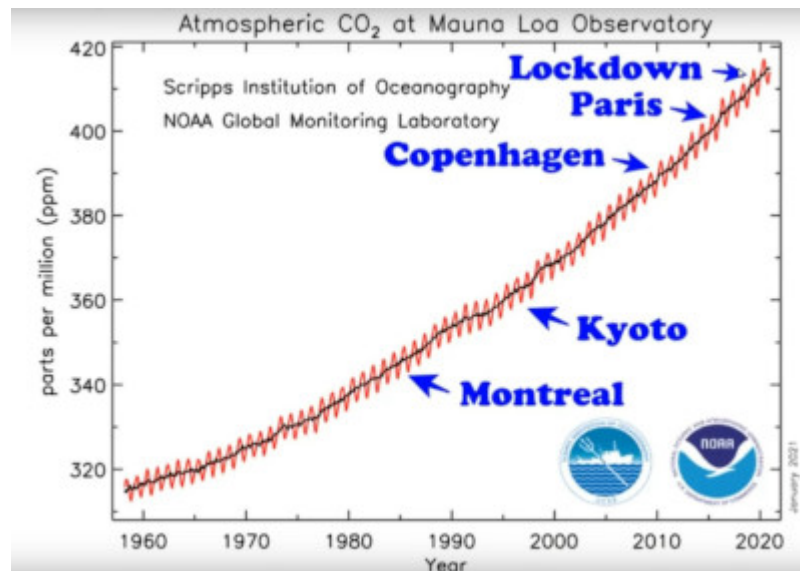


Fig 23. Policies and Human Activity Have No Effect on CO₂ Concentration

[Click picture to enlarge](#)

Finally, before moving on, here is a graph that shows the rate of rise of CO₂ concentration in the atmosphere continues, unaffected, by policies, treaties and human activity. Notably, during the significant reduction in human industrial activity due to COVID-19 lockdown in 2020, there has been no appreciable change in the rate of rise of CO₂ concentration in the earth's atmosphere. This suggests that human emissions are not significant when compared to those of nature. Put simply there is no point in trying to reduce human emissions of CO₂.

Adding to this fact, there has to be considerable doubt about the assertion that the rise in CO₂ concentration in the earth's atmosphere has anything to do with human emissions. Over the past few years, several studies have been published on the fundamentals of the global carbon budget (especially by Hermann Harde, Peter Stallinga and Demetris Koutsoyiannis), that challenge the widely held belief that human emissions are the dominant cause of rising CO₂ levels in the atmosphere. These studies clearly show that the assumptions to blame human CO₂ are incorrect and that human CO₂ does not accumulate in the atmosphere.

[This infographic](#) provides overview of the most important arguments of these studies, with the conclusion that temperature is the most likely cause for the rising concentration of CO₂ in the earth's atmosphere, not human emissions.

The Celestial Cycles that affect Earth's Climate

Climate cycle years	Climate cycle	Related & probable cause of climate cycle
9.1	Lunar	Moon's orbital cycles
11	Schwabe	Sunspot cycle tied to Jupiter's orbit
22	Hale	Magnetic field reversal on the sun cycle
61	Yoshimura	Sun barycentre motion Jupiter/Saturn tidal beat
84 - 92	Gleissberg	Solar activity related to Uranus orbital period
120	Velasco	Predicts solar minimum in 2040
172	Landscheidt	Uranus and Neptune Resonance
210 - 240	De-Vries / Suess	TSI cycle linked via a 5/2 resonance to Uranus
934	Bond	Angular momentum - sum of planets and Sun
1,470	Dansgaard-Oeschger	Cause not known - found through Heinrich events
2,300	Hallstatt / Bray	Solar cycle
26,000	Milankovitch	Precession cycle of the Earth's axis
41,000	Milankovitch	Obliquity cycle of the Earth's axial tilt
100,000	Milankovitch	Eccentricity cycle; changes in Earth's orbit
32,000,000	Not named yet	Sun's vertical oscillation through Milky Way
141,000,000	Not named yet	Sun traverses Milky Way's spiral arms

Fig.24. Major Celestial Cycles and their Effect

[Click picture to enlarge](#)

Shown here is a table, courtesy of Dr Robert Holmes, listing 16 celestial cycles that are known to affect the earth's climate.

To gain an idea as to how these cycles can sometimes reinforce each other and, at other times, counteract each other, you should look at the following video:

[Illustration of 15 billiard balls oscillating at different frequencies.](#)

I recommend readers take the time to watch Robert's series of videos on this subject. They are most informative. Here is a list for your convenience:

[Climate Science 1; There is No "Greenhouse Effect"](#)

[Climate Science 2; There is No "Extra Warming" to Explain.](#)

[Climate Science 3; There is No "Greenhouse Effect" on Venus Either.](#)

[Climate Science 4; The Ice CO2 Record is "Probably Wrong" Too.](#)

[Climate Science 5; The IPCC's Forcing Estimates are Wrong Too.](#)

The Connolly & Connolly Research Papers into the Lapse Rate - Game Changing Proof CO2 has no Extraordinary Effect on Atmospheric Temperature - Finally!

Borrowing heavily from the website [Watts Up With That?](#). In 2014, Dr. Michael Connolly and Dr. Ronan Connolly posted three important, non-peer reviewed papers on atmospheric physics on their [web site](#). These papers can be accessed online.

The papers are difficult to understand as they cover several fields of study and are very long. But, they present new data and a novel interpretation of energy flow in the atmosphere that should be seriously considered in the climate change debate. By studying weather balloon data around the world Connolly and Connolly show that the temperature profile of the atmosphere to the stratosphere can be completely explained using the gas laws, humidity and phase changes. *The atmospheric temperature profile does not appear to be influenced, to any measurable extent, by infrared active gases like carbon dioxide.*

You may also download from my website this [presentation in PDF format](#) which was developed and presented by Dr Michael Connolly and Dr Ronan Connolly at a convention in Tucson, Arizona, USA in July of 2019. It is an excellent and most interesting and informative presentation consisting of 106 slides.

Put simply, CO2, Methane and Nitrous Oxide cause no greater warming of the atmosphere than any of the other gases and vapours that comprise it!

This research by the Connollys is, in my opinion, extremely significant and deserves detailed study. The approach they have taken is, to me, very clever. It has great promise in giving mankind a far better understanding of the physics and thermodynamics related to how the earth's atmosphere behaves under the influence of the sun and the gases, particularly those that absorb infra-red radiation, that comprise it. The Connollys' home page may be found at [Global Warming Solved](#). I strongly recommend the work of the Connollys.

Readers might also like to view summaries of [the Connollys' peer-reviewed papers at the Center for Environmental Research and Earth Sciences website](#). I commend them to anyone with an interest in this subject.

Tony Heller

At the beginning of this web page I provided links to video presentations by Tony Heller. To learn about Tony go to this [link](#). Tony is an exceptional person on many levels. Firstly he holds degrees in Geology and in Electrical Engineering. He also has shown himself to be a gifted technical data auditor with strong capabilities in the area of software development and the use of web media for presentation of information. He is a tireless seeker of the truth. I have performed random checks on his work and I can't fault it.

If you want to learn the truth about this whole subject of climate change and anthropogenic global warming, I believe you couldn't find a better source of factual information. I have made a modest donation of money to assist Tony in his efforts and I strongly recommend readers of this page do so too. I believe this world owes Tony a huge debt of gratitude for what he has so far done and what he continues to do in exposing the misinformation, exaggeration and deliberate fraud surrounding this whole matter. In Australia's case, the pursuit of low emissions has cost this country many billions of dollars. The introduction of solar and wind to the national grid has more than doubled the cost of energy in this country and threatens the viability of all industrial activity. This issue has the potential to ruin Australia's economy and impact severely on the most vulnerable in our community. Australia is not alone. Germany is faced with similar serious issues. All to fix a problem that doesn't exist!

Increased CO2 is good for planet earth!

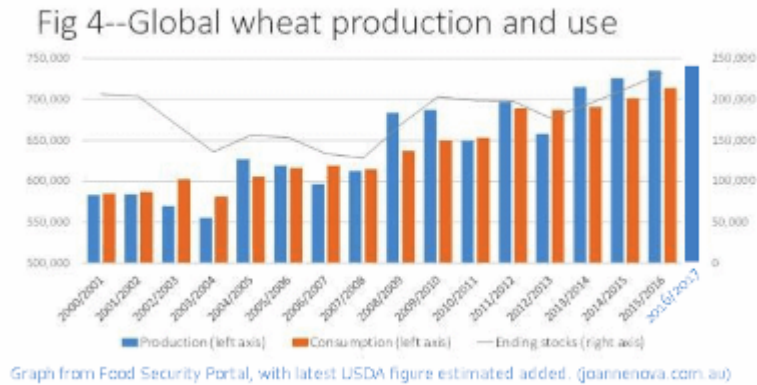


Fig 25. Increased CO2 has increased crop yields

[Click picture to enlarge](#)

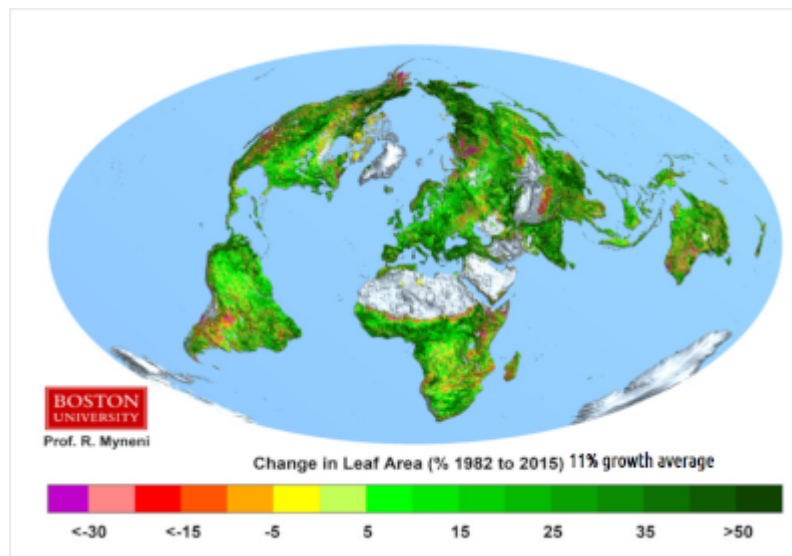


Fig 26. Increased CO2 'Greened The Earth'

[Click picture to enlarge](#)

See [Professor Dr David Legates](#) The recent increased CO2 concentration in the atmosphere has caused deserts to recede and crops to do much better than anticipated. CO2 is good for both land and sea flora and fauna. NASA reported that the increased area of greening on land was equal to approximately the area of two continental USAs. This is an increase of around 6% in the capacity of land based plants to consume CO2. Mankind's contribution of CO2 to the atmosphere is estimated to be around 3 -> 4% yet, despite an increase of 6% CO2 absorbing capacity, the biosphere still has an increasing concentration of CO2. This increase cannot therefore be primarily the result of human CO2 emissions.

The CO2 is coming from the oceans.

The CO2 is coming from somewhere else; most likely from the oceans according to Professor Dr. Don Easterbrook. For further information see: [Professor Dr. Don Easterbrook's US Senate Committee testimony regarding the fabrication of carbon](#)

based climate change. (Published on Nov 13, 2015). CO2 is good for marine life also. The oceans are alkaline, not acidic. (Their pH is a little greater than 8). When CO2 dissolves in sea water it reacts with mineral ions to form bicarbonates which are mildly alkaline, not acidic. These bicarbonates are essential for the development of the exoskeletons of all shell-fish and the polyps that form coral reefs. CO2 could never cause the oceans to become acidic. How could so-called scientists get such basic chemistry so very wrong?

Extreme Weather Events have become less over the last 120 years.

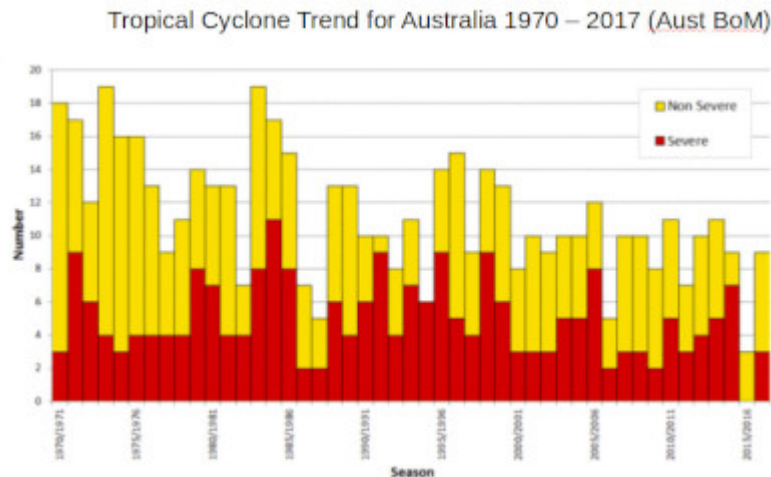


Fig 27. Declining Severity of Tropical Cyclones

[Click picture to enlarge](#)

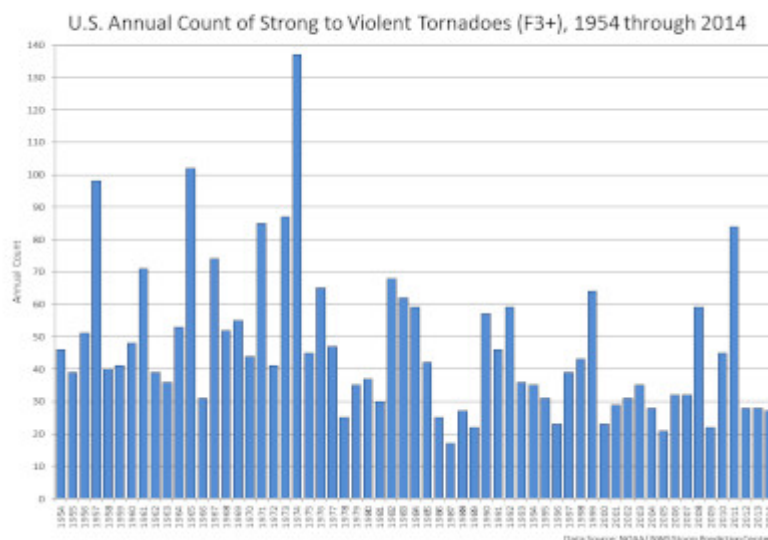


Fig 28. Declining Severity of Tornadoes.

[Click picture to enlarge](#)

Professor Easterbrook provides, during that testimony, to the US Senate a wide range of statistical data that causes one to seriously doubt all that has been asserted by those who believe that the world is heading for a catastrophe should mankind's CO2 emissions not be curbed. Of particular interest is the fact that severe weather events have actually decreased, not increased over the century. The same applies to droughts. They have become less, not more.

The Sun is the primary driver of climate on earth.

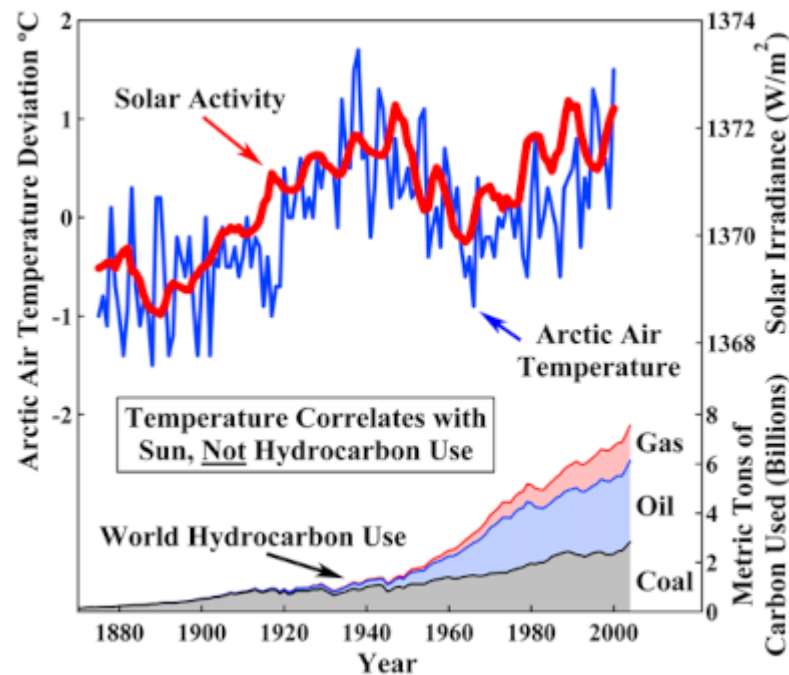


Fig 29. Climate is mainly affected by the sun.

[Click picture to enlarge](#)

The sun drives the climate, NOT CO2!

Here is a graph (Professor Ross McKittrick presentation to Canadian Senate hearing on Climate Change, 15th December, 2011) that shows the relationship between solar radiance and earth's temperature. This suggests that the earth's climate is primarily driven by the sun and the earth's attitude and position relative to it in accordance with the Milankovitch Cycles (See [The Milankovitch Cycle](#).)

Note also that climate on earth is affected by the celestial cycles listed above. Within the sun there are also movements of plasma that change the strength of the sun's magnetic field. When the strength of the magnetic field drops, cosmic rays can more easily enter the solar system and therefore there is a higher flux of cosmic rays striking earth's atmosphere which, in turn, results in increased clouds in earth's atmosphere. These clouds reflect the sun's radiation making the earth's climate cooler. Temperature data after around 1990 have to be treated with some suspicion in that there has been a deliberate attempt by some to exaggerate temperatures so as to feed the "Anthropogenic Global Warming" narrative. For example, [Figure 11](#), provides data from the Japanese Meteorological Agency for their base in Antarctica from 1960 to 2020 which shows a distinct cooling trend even though the graph shown in Fig 29 would suggest there has been warming. (It all depends on who is providing the data and, because the temperatures go up and down during climatic cycles, from which point measurement begins and ends.) This will be dealt with in greater detail later. "Winter is Coming!"

Low CO2 levels may have helped to end Ice Ages.

The reverse is also the case. When insolation decreased, CO2 levels fell, ice caps formed and these reflected sunlight back into space locking the earth into an ice age. When CO2 fell below 200 parts per million because of that drop in temperature, plant life failed and deserts formed. When that happened, the earth was beset with huge dust storms. This dust settled on the ice and snow and inhibited its ability to reflect sunlight back into space. This caused the melting of ice caps and glaciers, thereby ending the ice age which, in turn, increased atmospheric CO2 concentration, leading again to rich plant life. Bizarrely, It was a lack of CO2 that caused warming, not its abundance! (See "The Holy Grail? A Remarkable Discovery In Climate Science", by Gordon Fulks, published December 11, 2018.) High concentrations of CO2 are good for the planet. Not the reverse.

The Onset of a Grand Solar Minimum - Winter is coming!

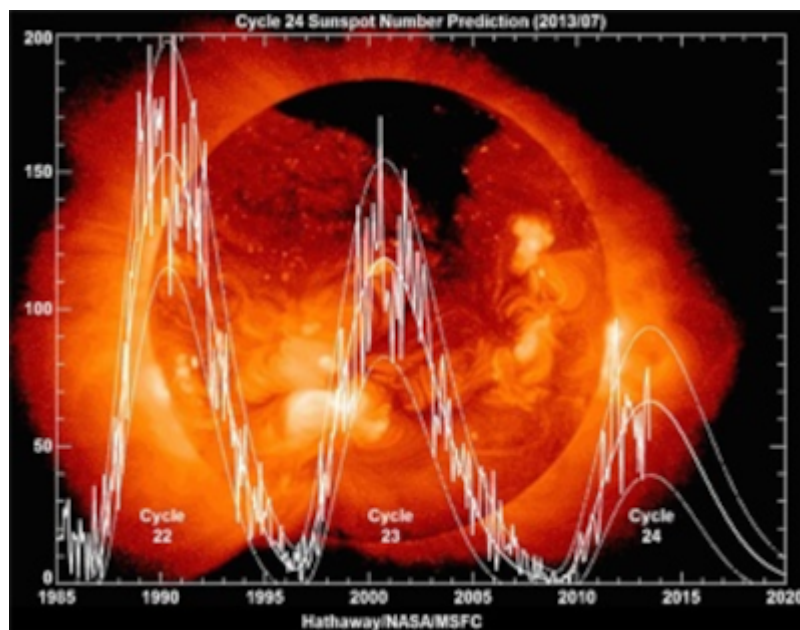


Fig 30. The Solar Cycles are declining.

[Click picture to see extended graph up to 2040.](#)

A phenomenon called "The Grand Solar Minimum" has begun. The sun operates in cycles of around 11 years. As can be seen from the illustration, the strength of these cycles is decreasing. Added to that, there exists within the sun magnetic disturbances that cause sunspots. These disturbances affect the level of output of solar radiation by the sun. Professor of Mathematics at Northumbria University, UK, Dr Valentina Zharkova's research team have now successfully modelled the behaviour of the magnetic disturbances of the sun.

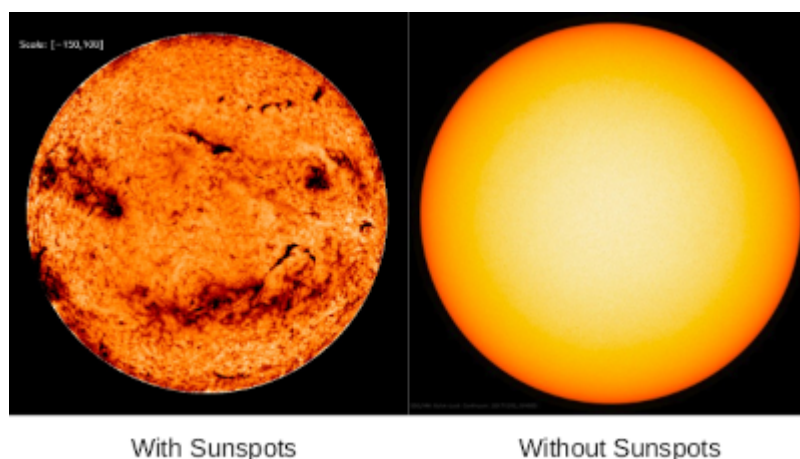


Fig 31. The Sun with and without Sunspots.

[Click picture to enlarge](#)

Some time ago, they predicted that the sun would go blank, that is, would no longer display sunspots as a consequence of declining solar activity. There are actually two sets of magnetic disturbance in the sun and these are referred to as dynamos. It is predicted that between 2030 and 2040, these two dynamos will cancel each other out resulting in what is referred to as a Grand Solar Minimum. This is predicted to result in the earth cooling substantially and remaining cold for nearly 100 years; just as it did around 340 years ago in what was called "The Maunder Minimum". This is why, for the last 8 years, winters in Northern Europe and North America have become ever more severe. It is likely they will become even more severe with each succeeding year. Readers should watch the [GSM - Modern Grand Solar Minimum Documentary published on Mar 16, 2017](#). This documentary suggests the world is heading not to a warming event but a freezing one! This is a good comprehensive documentary which points out how fast this change is likely to occur.

Clouds can cause cooling.

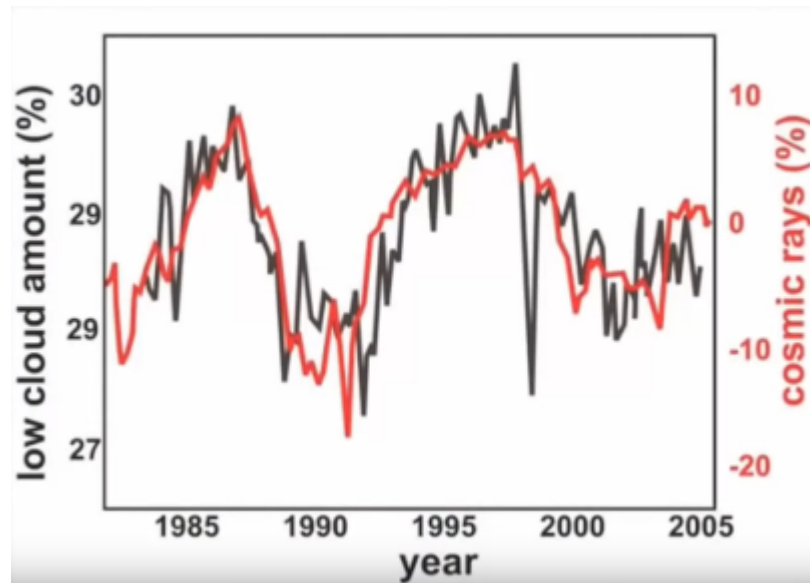


Fig 32. Cosmic Rays may cause increased cloudiness in the atmosphere and hence cooling of the earth.

[Click picture to enlarge](#)

A major contributor to this cooling could be the formation of clouds resulting from increased cosmic rays striking the earth because of the sun's weakened magnetic field. These clouds will reflect the sun's radiation back into space.

The Earth's Magnetic Field is Weakening.

Added to this, the earth's magnetic field appears to be weakening at a rate of around 5% per decade though there is some controversy as to whether this figure is a misinterpretation of data derived from SWARM satellites. If the rate of decrease is accurate, then it is around 10 times faster than it was in the 19->20th century and that is cause for concern. Should this decrease continue, earth's protection against cosmic rays will be depleted to the extent that life on earth could be threatened. Some scientists have opined that some of the mass extinctions experienced on earth have resulted from the decrements of the earth's magnetic field during the time when the poles "flip". Others say, "No". Nevertheless, the reduced magnetic field of the earth, coupled with the reduced magnetic field of the sun will result in additional cloud formation which will result in additional cooling.

Conclusion/Summary

A summary of the conclusions of this paper is as follows:

1. Atmospheric CO₂, Methane and Nitrous Oxide have no greater effect on the temperature of the atmosphere than any of the other gases that comprise it.
2. Human emissions of CO₂ have had little effect on the concentration of CO₂ in the atmosphere. The increase is the result of natural causes and is most probably coming from the oceans.
3. All of the proxy evidence shows that CO₂ has never had an effect on the temperature of the atmosphere.
4. The present increased concentration of CO₂ has had a beneficial effect on all plants, including crops which feed humans
5. The rate of rise of sea level is decelerating. It is possible in some parts of the world the sea levels are actually dropping.
6. The sun's radiation, which varies in approximately 11 year cycles, is the primary driver of climate on earth
7. This earth has been through a period of warming caused by an increase of solar radiation.
8. The sun's solar cycles have been becoming steadily weaker and this will reach a minimum around 2030 to 2040AD.
9. It is highly likely that this earth is about to experience what is called a "Grand Solar Minimum" which may reach its nadir between 2030 and 2040.
10. Because of thermal inertia and other factors that will come into play, this cold period is likely to persist for up to 70 years beyond 2030 if the previous Maunder Minimum(1645-1715AD) is anything to go by .
11. The outlook for Australia is that towards the end of this period there could be long and protracted droughts.

I have produced a presentation that may be useful for people wishing to speak on this subject in Microsoft Powerpoint Format and in LibreOffice ODP format. Notes are embedded within this presentation. To see the notes and the presentation in one convenient document, click on the [here](#) or below. These are provided here is you wish to download them:

1. [Click here for Powerpoint Presentation.](#)
2. [Click here for LibreOffice Presentation.](#)
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