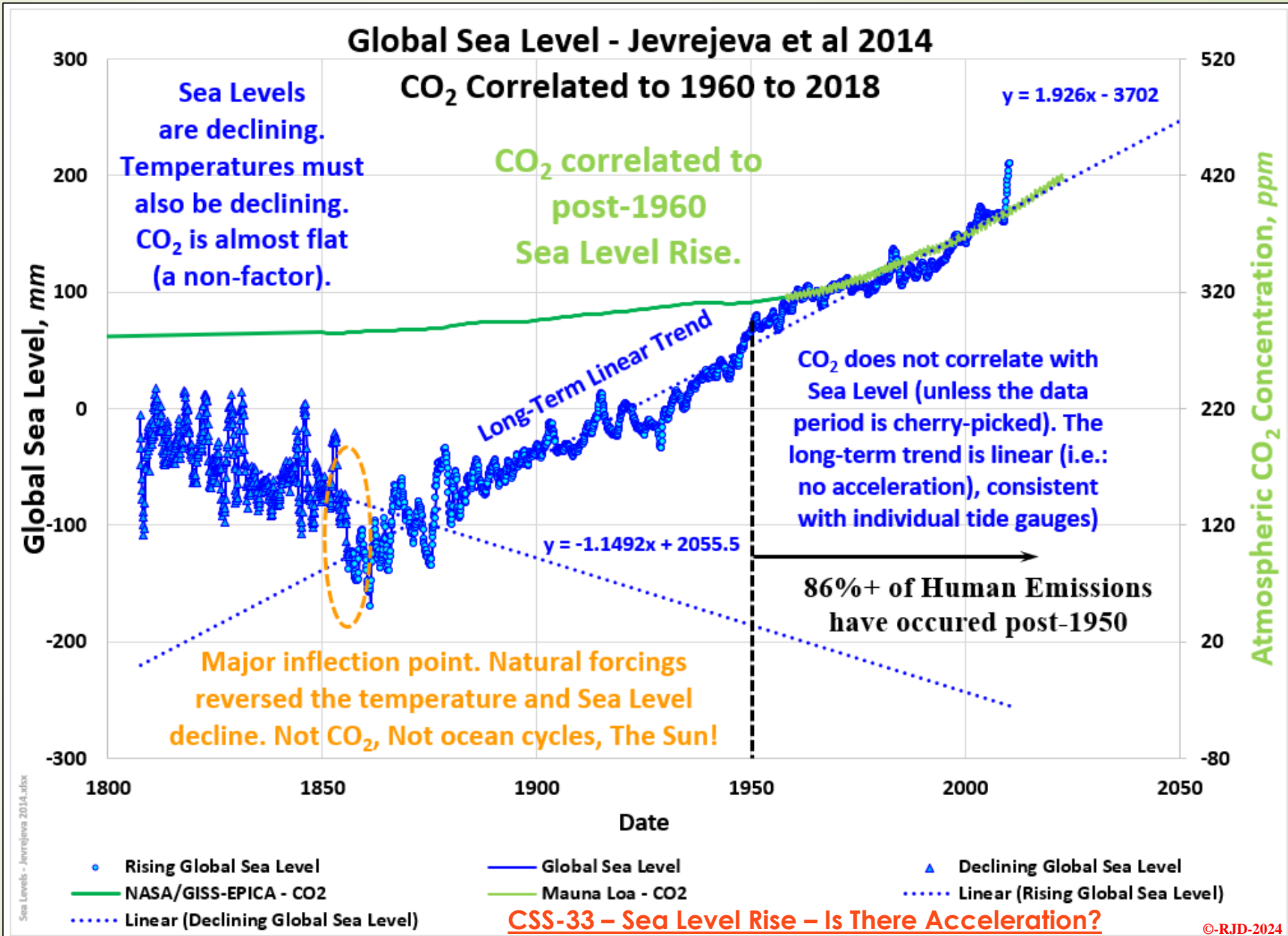


There is a reason that the alarmist community (the All CO₂, All the Time fanatics) focus on the 1850 to the present period. They do not want to address the pre-1850 empirical data.

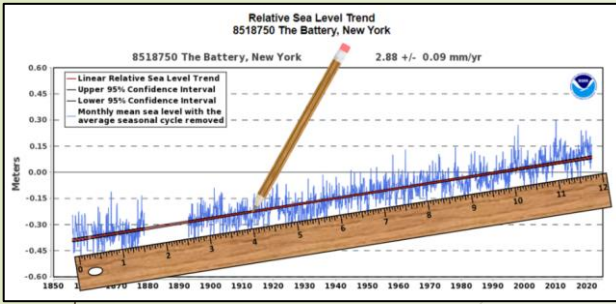
Somehow, sea levels are declining while CO₂ levels are virtually flat. Well, that does not fit the narrative very well, does it? CO₂ is obviously not responsible for the pre-1850s Sea Level declines. Sea Levels can only be declining if pre-1850 temperatures are also declining. According to the All CO₂, All the Time alarmist narrative, CO₂ controls the temperature (and any other climate parameter) on our planet. The computer models used to forecast our future climate and justify our totalitarian “green” initiatives cannot model the pre-1850s sea level declines.

**Sea Level & Temperatures
Jevrejeva et al**

If you cannot model the past, you cannot forecast the future! This post includes some additional pre-1850s temperature data to back up the statement that Sea levels are declining because temperatures are declining. Glaciers were also advancing as Sea Levels/Temperatures were declining. With NO CO₂ influence. More detailed discussions on Sea Level can be found in my [CSS-18 – Sea Levels and Climate Drivers](#), [CSS-46 – Sea Level – Fact Check](#), and [CSS-47 – CO₂ and Sea Levels Do NOT Correlate](#) posts.



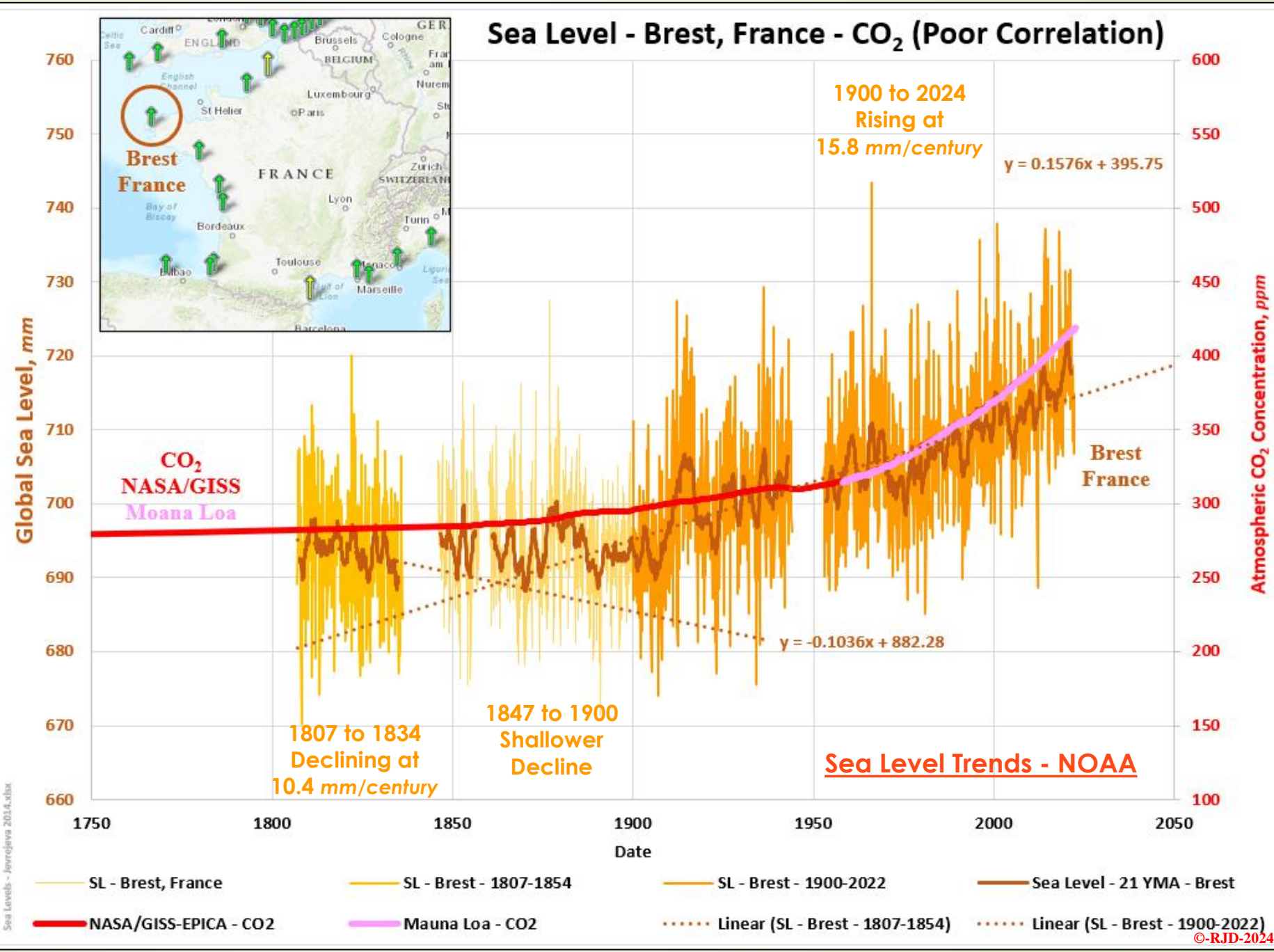
GSM – Grand Solar Minimum. The real “Climate Change” existential threat is right around the corner. Do the Research!



Until recently, I had not come across any individual pre-1850 tide gauge data. Typically, the longer tide gauge data sets start in the late 1800s and rise linearly to the present (as in the New York Battery plot above). Any middle school student could have produced an estimate of today's New York Sea Level back at the beginning of the 20th century with a ruler and pencil. An additional longer-term dataset showing the pre-1850s Sea Level declines is available in the posts linked on the previous slide. Sea Levels have cycled up and down many times over the

Sea Level & Temperatures Brest-France

Holocene interglacial warm period, and somehow all without any measurable CO₂ contribution. The 1807 to 1834 Brest (France) Sea Levels were declining at a 10.4 mm/century rate (0.4"/century). The 1847 to 1900 Sea Levels were also declining but at a lower rate. Sea Levels at Brest having been rising at 15.8 mm/century (just over 0.6"/century). Brest Sea Level changes are consistent with global changes. CO₂ and Sea Level do not correlate!



GSM – Grand Solar Minimum. The real “Climate Change” existential threat is right around the corner. Do the Research!

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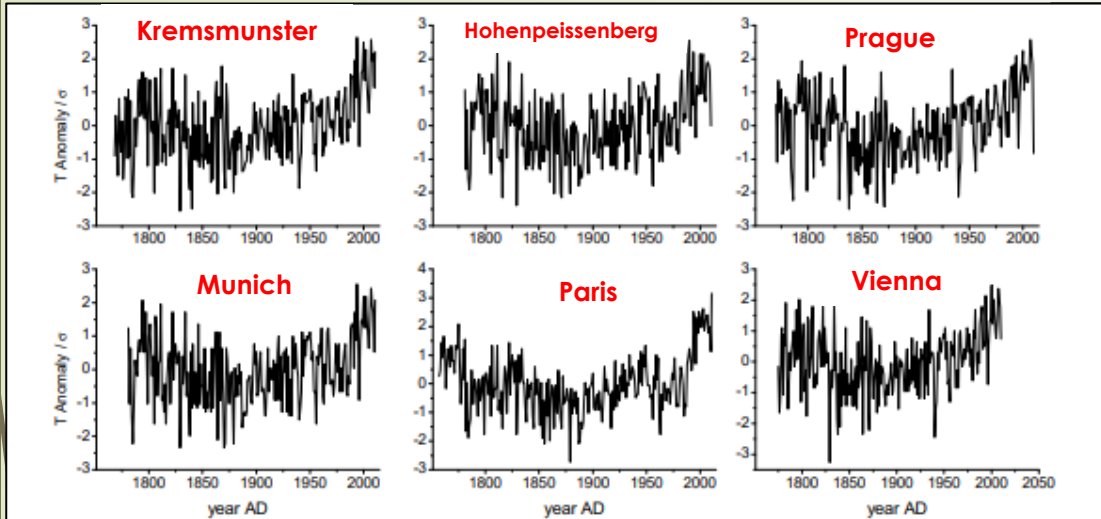


Fig. 1. Long-term temperature records from six central European stations.

The prominent pre-1850s declines in the Jevrejeva et al Sea Level dataset suggested that temperatures were also declining. Measured temperature data (pre-1850) is not very common. A [2012 paper by Lüdecke et al](#) presented long-term temperature records for six central European cities (above). All of which show declining temperatures/σ pre-1900. The average of those temperatures/σ is plotted with an Antarctic Ice Core dataset. Pre-1850s temperatures were declining in both the Northern and Southern Hemispheres, consistent with the pre-1850s Global Sea Level declines. As an aside, the Ice Core data also provides some evidence (highlighted to the right) that the high temperatures of the 1930s was not restricted to the Northern Hemisphere. As shown, temperatures have fluctuated significantly over modern human history. CO₂'s concentrations rose slightly from 1750 to 1900 (a miniscule ±16 ppm) while temperatures were generally declining. There are obviously other forcings than CO₂ acting on our planet.

Temperatures have definitely risen post-1900, but that rise began decades before we are at fault. **86%+ of humanity's emissions occurred post-1950.**

Sea Level & Temperatures European

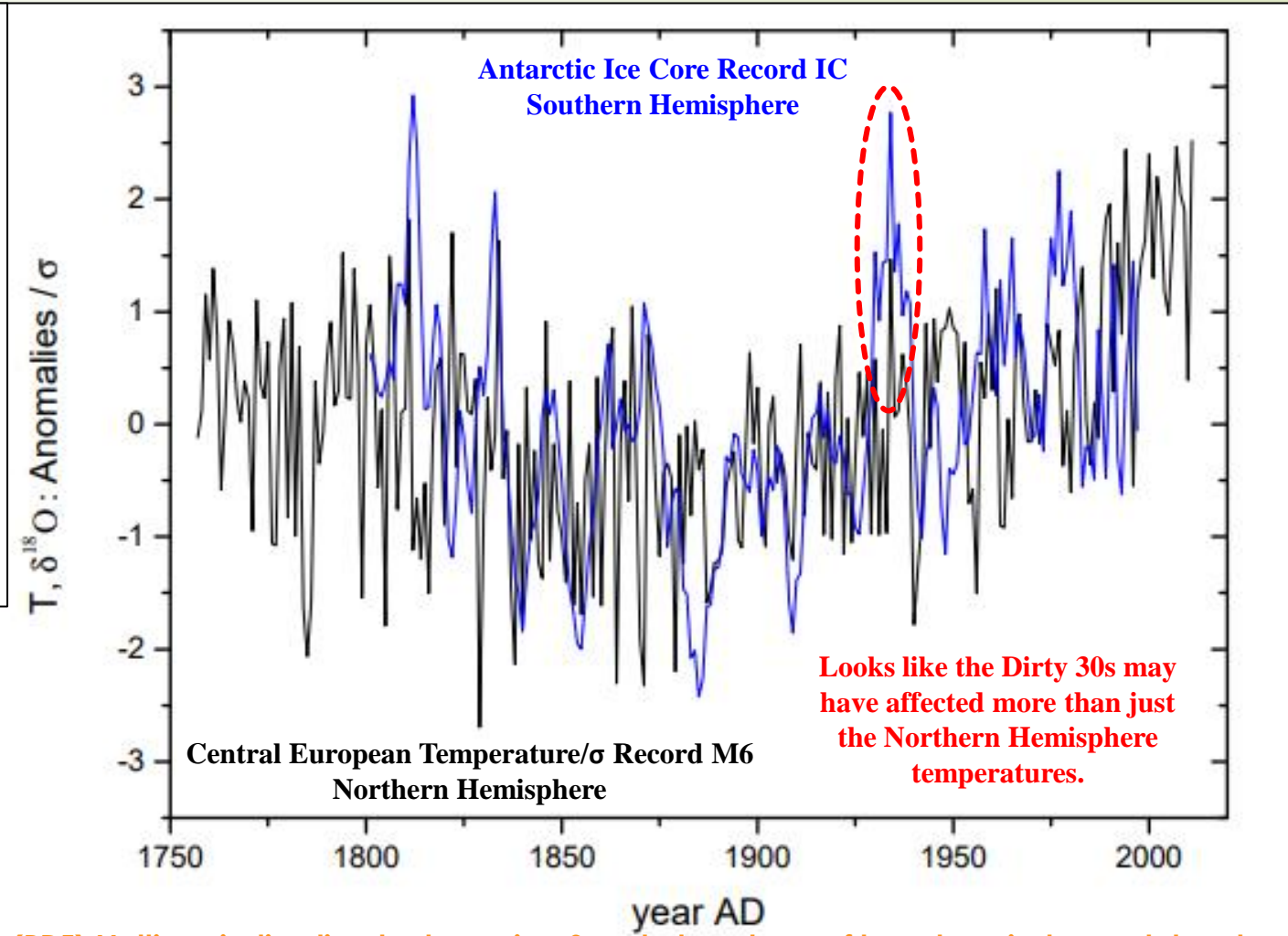


Fig. 2. Northern Hemisphere (Central European) instrumental temperature averaged record M6 (black) together with the Antarctic ice core record IC (blue) as a SH counterpart, each as an anomaly divided by the standard deviation.

[\(PDF\) Multi-periodic climate dynamics: Spectral analyses of long-term instrumental and proxy temperature records \(researchgate.net\)](#)

GSM – Grand Solar Minimum. The real “Climate Change” existential threat is right around the corner. Do the Research!

CSS-61d Sea Level and Temperatures – 1800 to 2024 – DFT Cycles

Lüdecke et al also used discrete Fourier Transforms (DFT) to analyze the potential cycles present in the European Temperature data (the M6 average). The 248-year cycle is the most prominent cycle but given that the dataset is roughly 250 years long, there is no confirmation that the cycle repeats. The longer dataset associated with an Austrian

Sea Level & Temperatures DFT Cycles

stalagmite does have a prominent 234-year cycle that may correspond to the 248-year M6 cycle. The 61-year cycle (the 2nd most prominent M6 spike) is very likely solar related. There are many ± 60 -year cycles visible in the climate change realm. A number of those datasets were highlighted in my [CSS-58 – More Solar Cycles](#) post. The 65-year cycle in the Austrian stalagmite dataset is another example. The Atlantic Multi-decadal Oscillation (AMO, ± 60 -year cycle) is very prominent in the global temperature datasets (even with the over-homogenization algorithms that are routinely used to adjust measured temperatures, so they fit the narrative). The AMO is obviously driving temperatures in Greenland/Iceland (upper right, more detail in my [CSS-53 – CO₂'s Moneyball Moment](#) post).

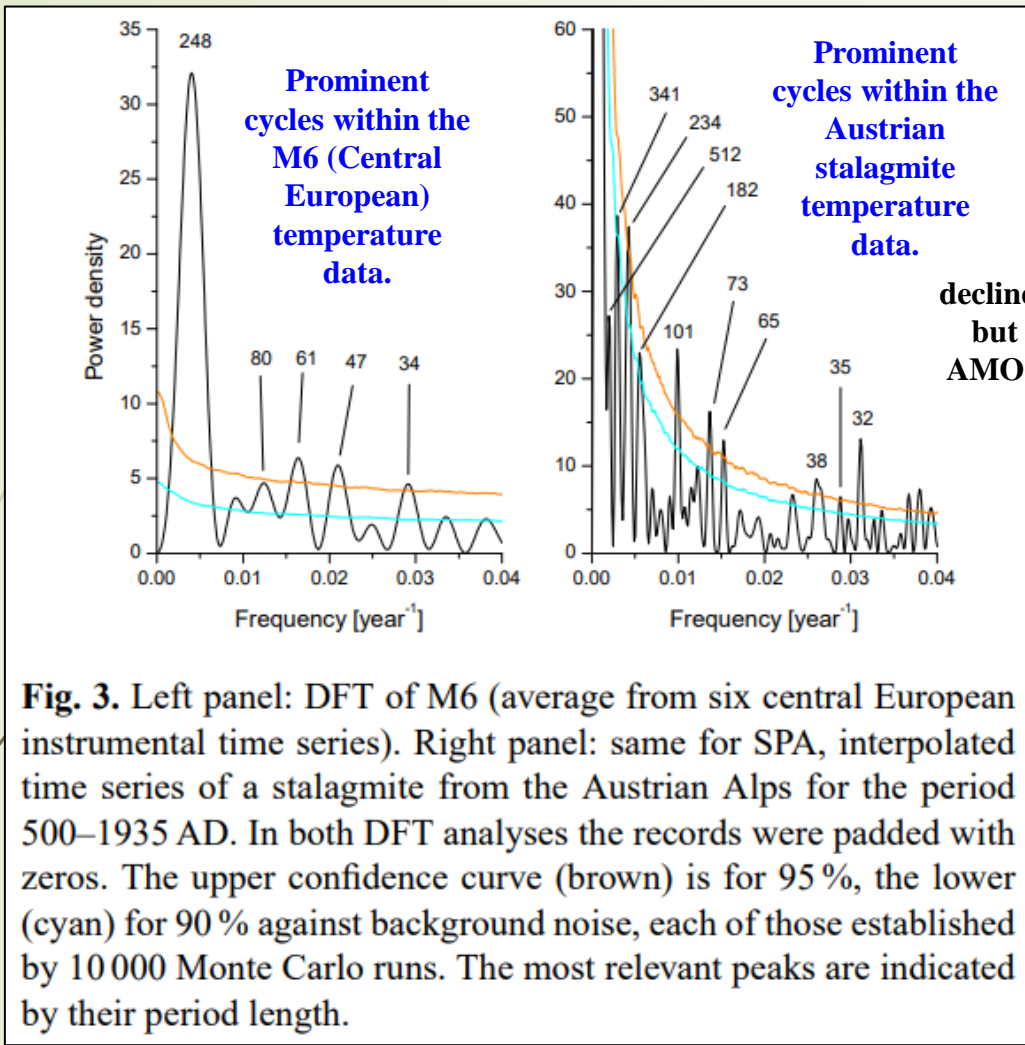


Fig. 3. Left panel: DFT of M6 (average from six central European instrumental time series). Right panel: same for SPA, interpolated time series of a stalagmite from the Austrian Alps for the period 500–1935 AD. In both DFT analyses the records were padded with zeros. The upper confidence curve (brown) is for 95 %, the lower (cyan) for 90 % against background noise, each of those established by 10 000 Monte Carlo runs. The most relevant peaks are indicated by their period length.

Prominent cycles within the Austrian stalagmite temperature data.

decline (a bit prematurely), but consistent with the AMO and a coming GSM.

More detail? climatechangeandmusic.com

The cycle data (table below) was used to model the SM6's 15-year running average temperature anomaly. The history match is very interesting and is far better than any of the possible matches that the IPCC's All CO₂, All the Time models could ever produce. The model predicts a temperature

Table 1. Frequencies, periods, and the coefficients a_j and b_j of the reconstruction RM6 due to Eqs. (1), (3), and (4) ($N = 254$).

| j | j/N (yr ⁻¹) | Period (yr) | a_j | b_j |
|-----|---------------------------|-------------|----------|----------|
| 0 | 0 | – | 0 | 0 |
| 1 | 0.00394 | 254 | 0.68598 | -0.12989 |
| 2 | 0.00787 | 127 | – | – |
| 3 | 0.01181 | 85 | 0.19492 | -0.14677 |
| 4 | 0.01575 | 64 | 0.17465 | -0.22377 |
| 5 | 0.01968 | 51 | 0.14730 | -0.10810 |
| 6 | 0.02362 | 42 | -0.02510 | -0.12095 |
| 7 | 0.02756 | 36 | 0.12691 | 0.01276 |
| 8 | 0.03150 | 32 | – | – |

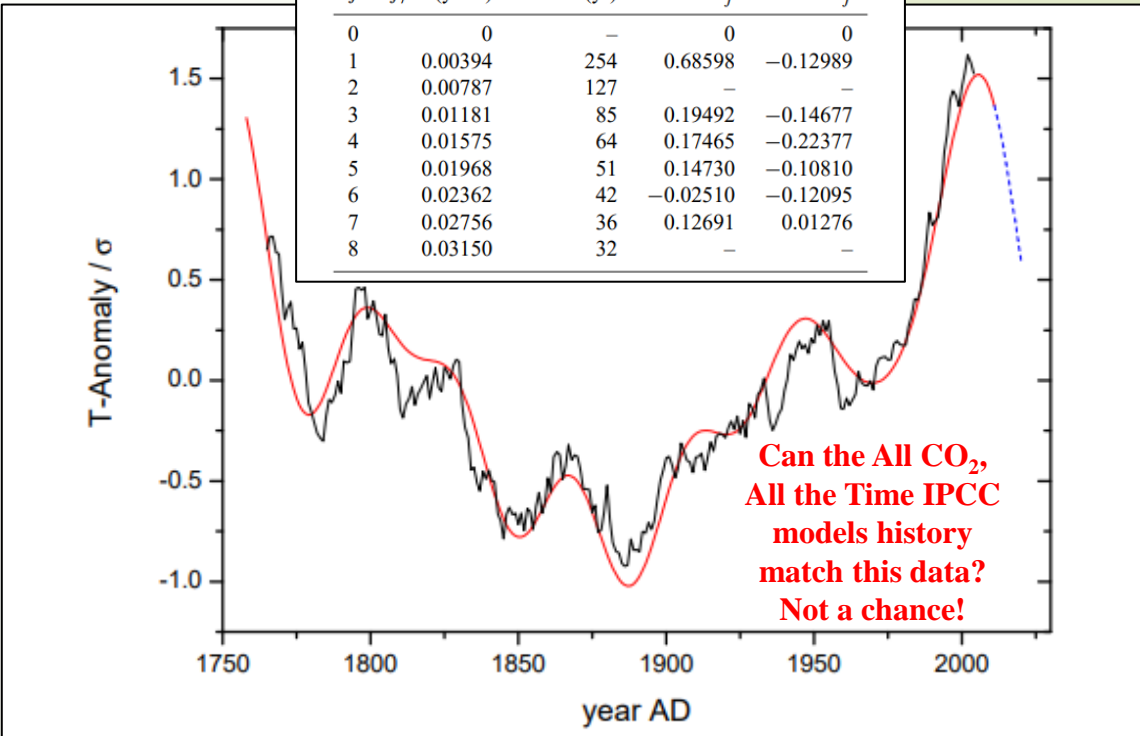
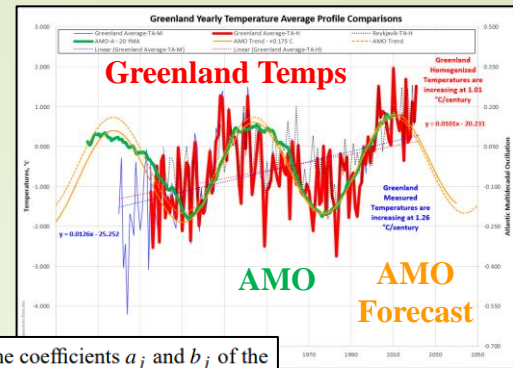


Fig. 6. (color online) 15 yr running average record SM6 (black); reconstruction RM6 according to Eqs. (1), (3) and (4) (red); projection of future NH temperatures mainly due to the ~ 65 -yr periodicity (dashed blue).



GSM - Grand Solar Minimum. The real "Climate Change" existential threat is right around the corner. Do the Research!

CSS-61e Sea Level and Temperatures - 1800 to 2024 - Consolidated

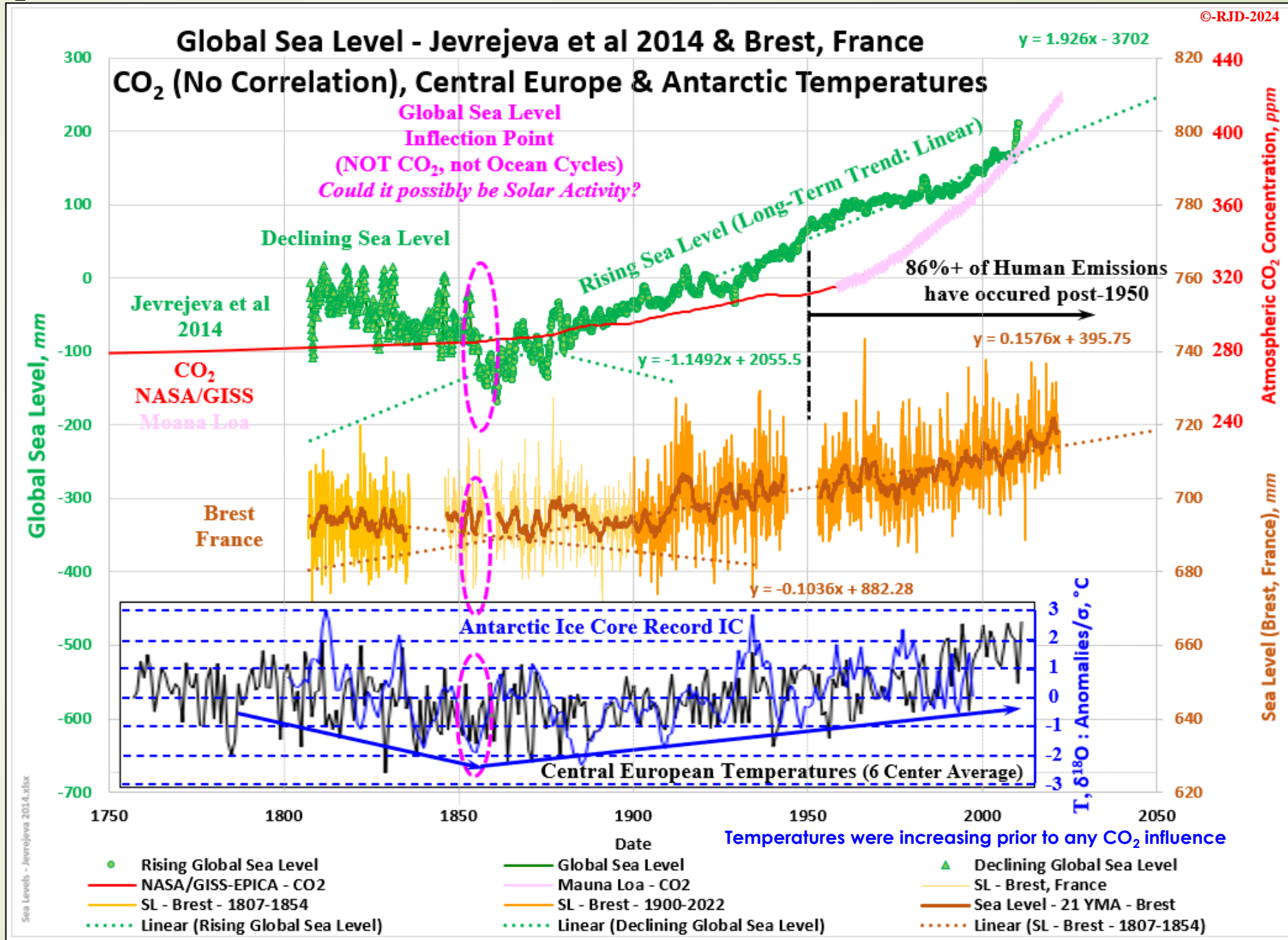
More detail? climatechangeandmusic.com

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This chart consolidates the information presented on the first three slides. There are obviously other radiative forcings acting on the planet over and above the minor impacts CO₂ might be having. CO₂ may be having some impact in the second half of the 20th century as CO₂ concentration rise accelerated, but that influence does not show up in the Sea Level data. Sea Level and CO₂ concentrations DO NOT correlate and while CO₂ concentrations accelerated, Sea Level Rise has not (on a global or individual tide gauge perspective). Pre-1850s Sea Levels were declining in response to declining temperatures. Those temperatures were not declining because CO₂ concentrations were increasing. The declines abruptly ended in the mid-1850s. That

Sea Level & Temperatures Consolidated

inflection point is related to solar activity. The sun and its interaction with earth and the rest of the solar system initiated the change. Solar activity increased culminating with the Carrington Event in 1859. Our magnetic field began decreasing in strength and our magnetic poles began their current excursion (all of which are accelerating). CO₂ is not responsible for the 1850s inflection point. Ignoring the forcings that caused the inflection is dangerous.



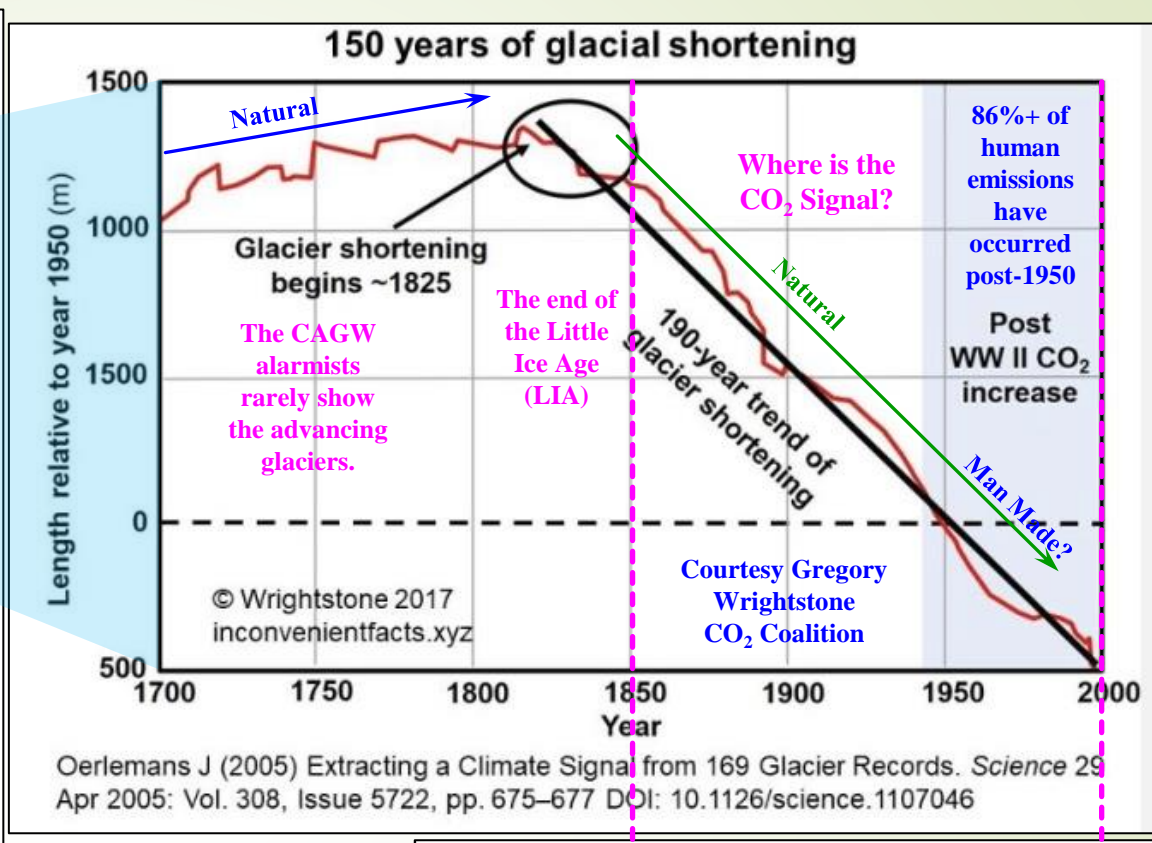
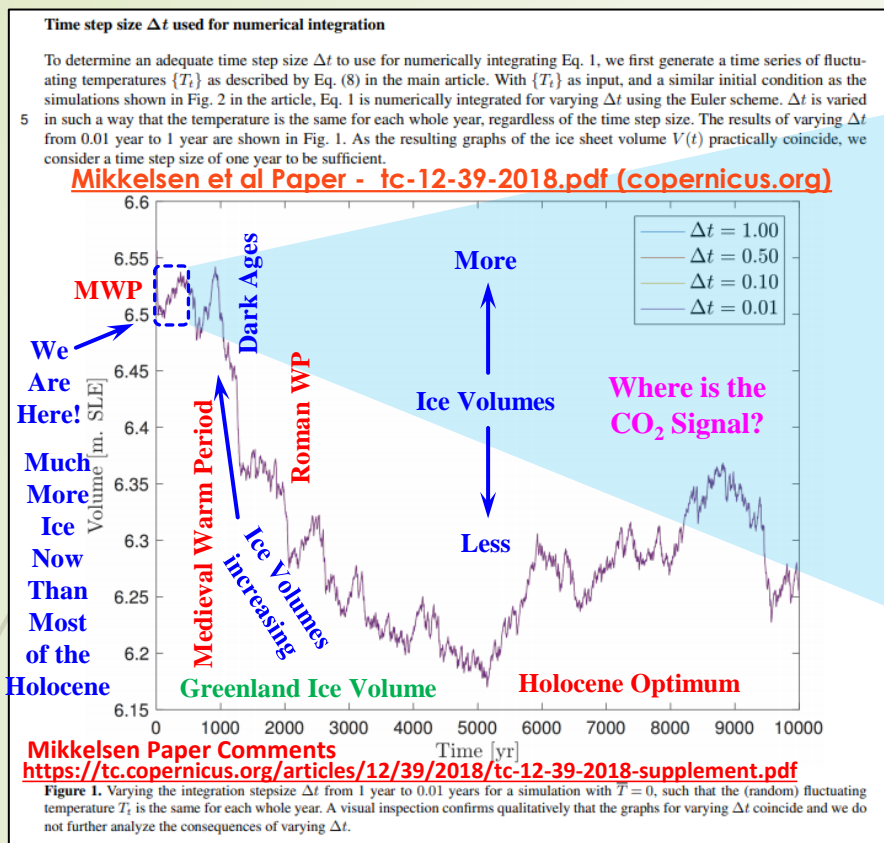
GSM - Grand Solar Minimum. The real "Climate Change" existential threat is right around the corner. Do the Research!

CSS-61f Sea Level and Glaciers - 1800 to 2024 - Consolidated

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CO₂ and Sea Level do not correlate. Temperatures correlate with Sea Level. CO₂ only correlates with Temperature when Temperature is the driver. Temperature and Sea Level also happen to correlate with Ice Volume changes. These plots were pulled

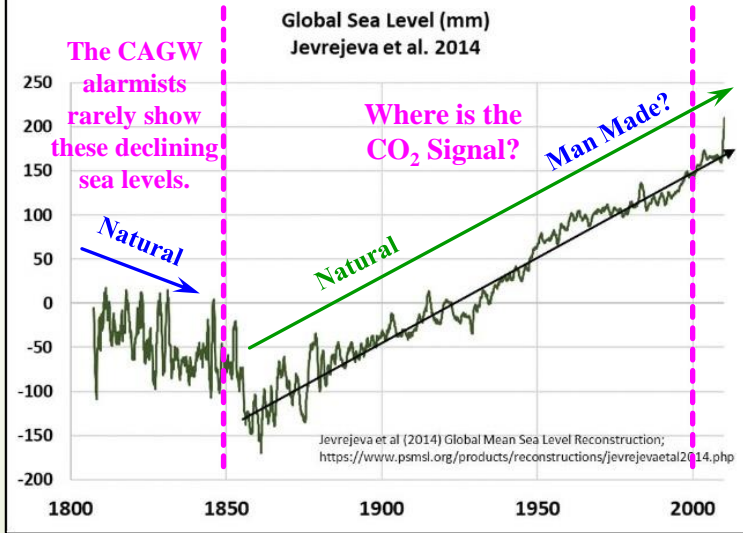
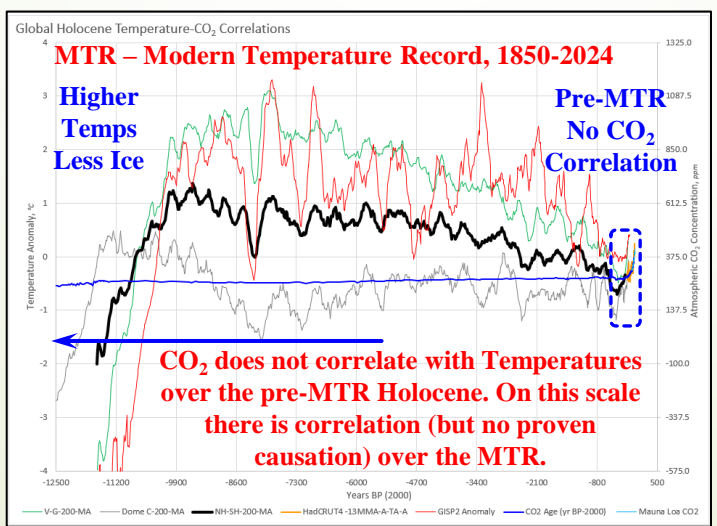


Global Sea Levels, Global Temperatures and Ice Volumes are directly intertwined and move in unison. CO₂ on the other hand, DOES NOT move in unison with any of these parameters, apart from brief cherry-picked periods.

Sea Level & Glaciers

from my [OPS-43 - Glaciers and Sea Level](#) post. Not surprisingly, Glaciers were advancing as temperatures and Sea Levels were declining. The opposite is also true.

Greenland's ice volumes were lower over the Holocene Climate Optimum (4,000 to 10,000 years BP). Over the last 4,000 years, the ice volumes have increased (erratically), peaking in the Dark Ages and then again in the Little Ice Age (after receding briefly during the Medieval Warm Period). Greenland's ice volumes (over the last 300+ years, highlighted above) mimic the Glacier Shortening curve (top right). Glaciers have advanced and receded many times over the Holocene. Despite current recessions, there is more ice.



GSM - Grand Solar Minimum. The real "Climate Change" existential threat is right around the corner. Do the Research!

CSS-61g Sea Level and Temperatures – UN/Alarmist Propaganda

More detail? climatechangeandmusic.com

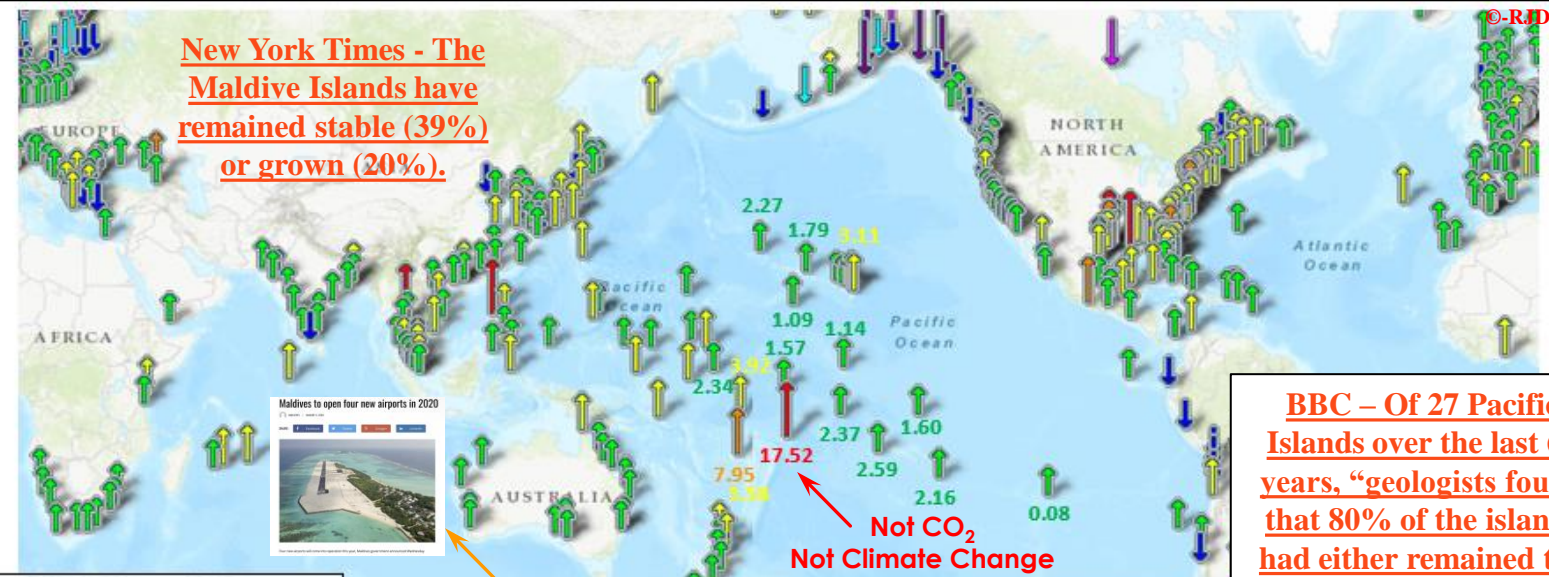
This slide is a last-minute add-on to the post. Articles like this one, "[Pacific Island nations are in 'grave danger', due to rising sea levels, UN Chief says](#)" are all over the internet. The title is the first of many examples of mis/dis/omission information that permeates this UN inspired fearmongering, pseudoscience drivel. The article/UN attributes the unusually high Sea Level Rise (SLR, 17.59 mm/year) to Antarctica Ice Melt, warmer waters and ocean currents. That hypothesis is woefully lacking. NASA correctly attributes the majority of the SLR to "rapid post-seismic land subsidence". Prior to the September 2009 earthquake SLR was a typical 2.5 mm/year rise. Any rise over ± 3 mm/year is very likely due to land subsidence for a variety of reasons. That includes New Orleans which was mentioned in the article (where the land sinking is sinking much faster than Sea Levels are rising). These articles lack context and ignore Sea Level data that destroys the narrative.

The UN experts cherry pick time intervals to try and show accelerating sea level rises. These intervals/SLR were used in the article, 1901 to 1971 (1.3 cm/year), 1971 to 2006 (1.9 cm/year) and 2006 to 2018 (3.7 cm/year). Why was the 3.3 cm/year SLR from 1934 to 1953 not acknowledged?

Sea Level & Temperatures UN Propaganda

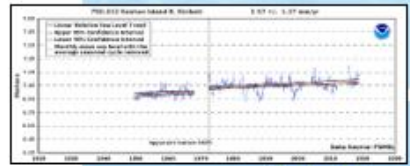
Why were the Sea Level DECLINES (pre-1856) not acknowledged? Why was the long-term linear trend (consistent with tidal gauge data) not acknowledged? Why are the studies that show that most of the Pacific Islands are either stable or growing?

Even the New York Times and the BBC have acknowledged that reality. Sea Levels are rising but not at dangerous rates and CO₂ (which does not correlate with SLR) is not the cause. So, will Pacific Islanders face drowning, boiling, or **continued tourism growth**?



New York Times - The Maldive Islands have remained stable (39%) or grown (20%).

BBC – Of 27 Pacific Islands over the last 60 years, "geologists found that 80% of the islands had either remained the same or got larger".



Kanton Isl. 1.57

Sea levels are rising faster in the western tropical Pacific because of where the melting ice from western Antarctica heads, warmer waters and ocean currents, UN officials said.



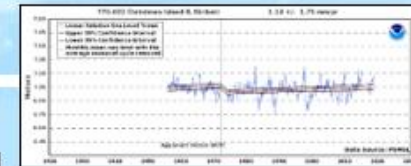
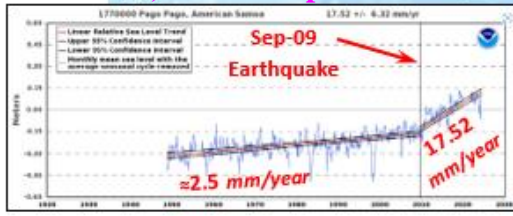
Penhyrn 2.37

According to NOAA, "The cause of this rise is rapid post-seismic land subsidence..."

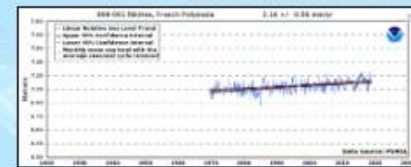
Pago Pago 17.52



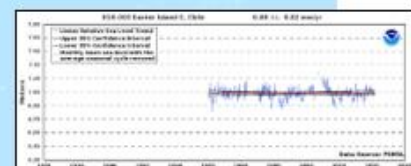
Guterres, alarmism personified



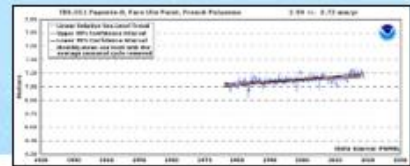
Nuku Hiva 1.60



Papeete-B 2.59



Easter Island 0.08



Rikitea 2.16

Guterres was right, CSS-49 – Data Extrapolations Show that the Era of Global Boiling Has Arrived

Sea Level Rise in the Pacific is not accelerating (i.e.; the rise is linear).

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