



ENVIRONMENTAL BENEFITS



OF INCREASED CO₂

Some very real and others? Coincidental?

Some positive and others negative –

Correlation is not necessarily causation –

The same holds true for inverse correlation



ENVIRONMENTAL BENEFITS OF INCREASED CO₂



Is CO₂ Plant Food?

Here is what happens with more CO₂



385 ppm



535 ppm

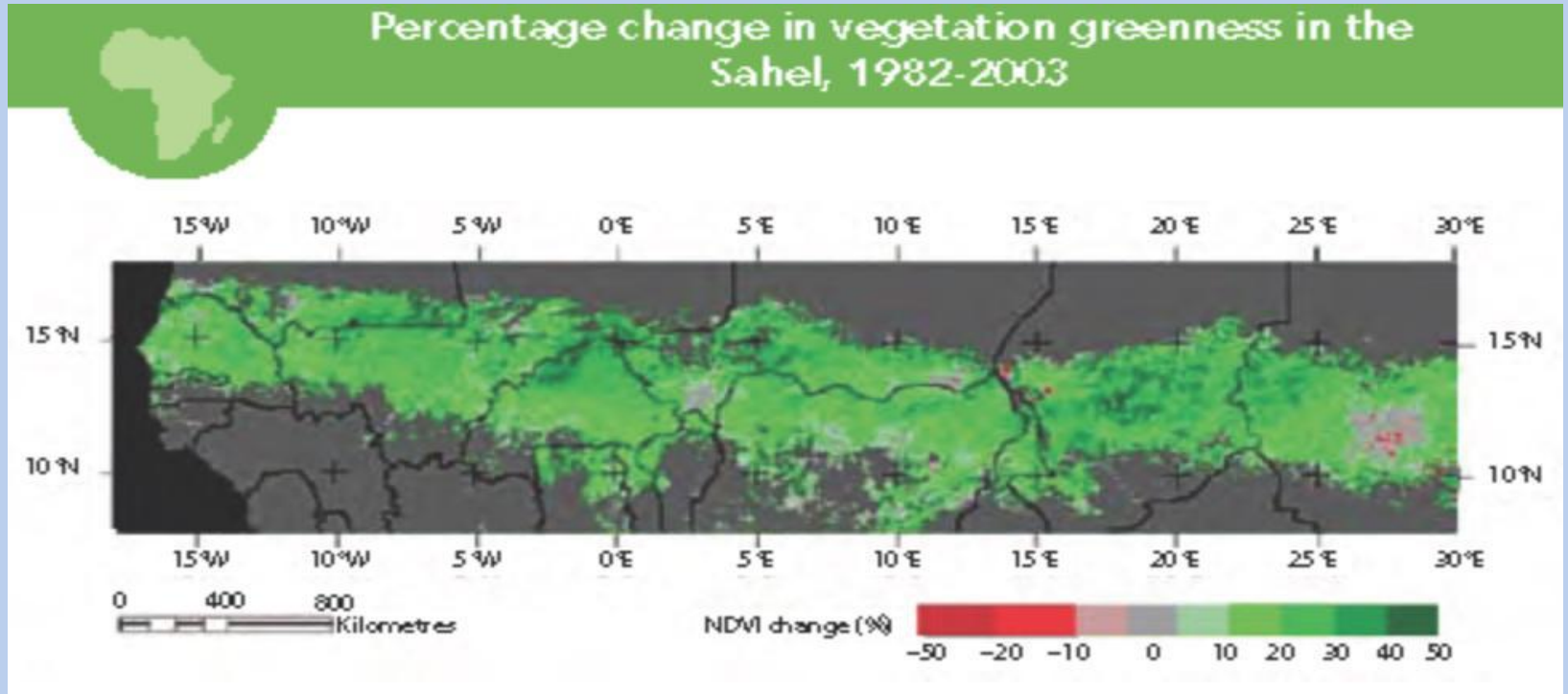


685 ppm



835 ppm

ENVIRONMENTAL BENEFITS OF INCREASED CO₂



Source: Hermann, Anyamba and Tucker (2005).



Sea-Level Rise & CO₂



Is There Cause and Effect?

NO!!!

Does a Rise/Fall in One Increase
of Decrease the Other?

Absolutely NOT!!!



NASA TRCS



One More Mission



The Right Climate Stuff

In 2008, some climate lectures generated interest at JSC.

Mostly Engineers, Physicists, Astronauts, Meteorologists, etc. from the Apollo era (Over 1000 combined years of experience).

Chair Hal Doiron announced its formation at Chicago's IPCC-7



NASA TRCS



One More Mission



The Right Climate Stuff

Dozens of climate lectures – all within the expertise domain of our members followed suit.

Many presentations delivered are found on the TRCS website.

<https://www.therightclimatestuff.com/>

Chair Hal Doiron and I wish to thank Heartland for generating widespread interest at ICC-7!



Weather & CO₂



Is there Cause & Effect?

Not Quite What You Might Think!!!

**Does CO₂'s Rise or Fall Influence
Strength, Severity, or Frequency of
Weather Events?**

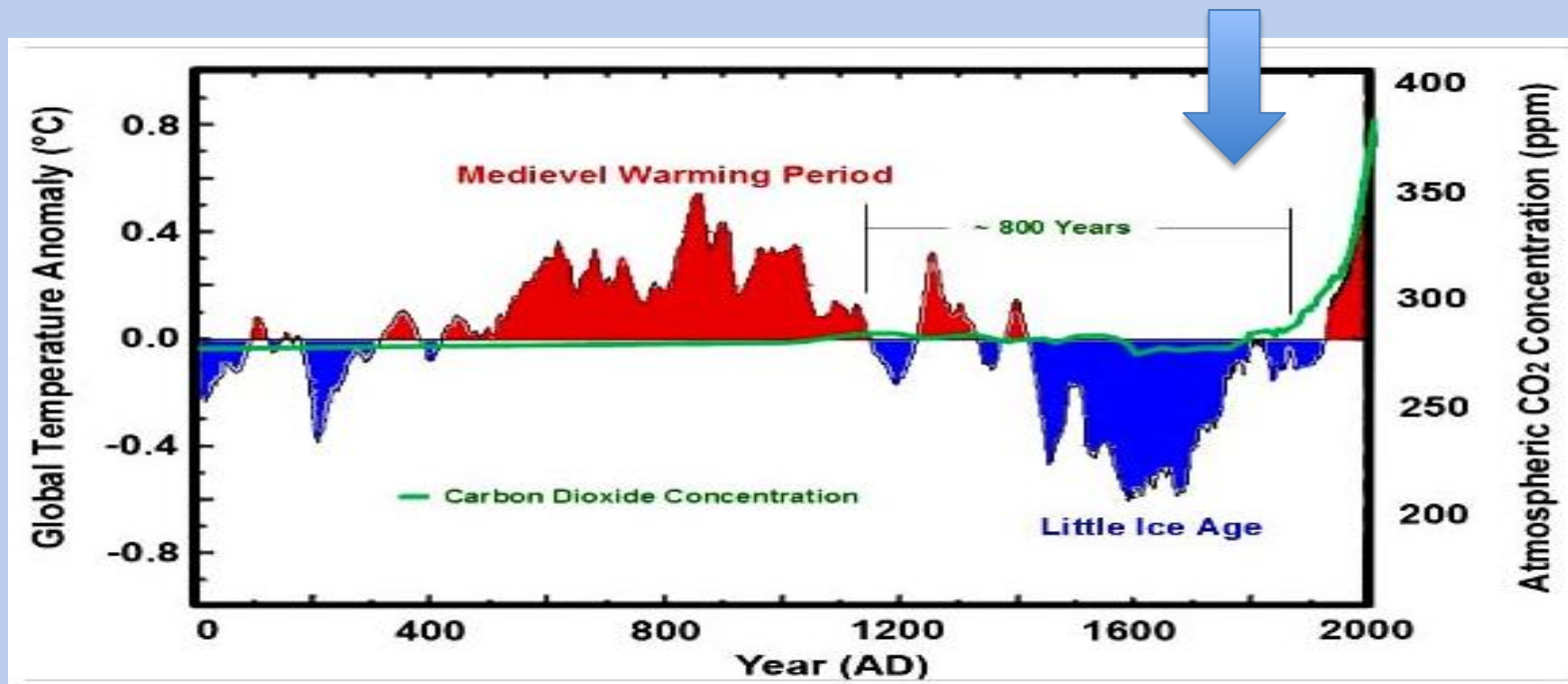
Correlation \neq Causation



2000 yr. Temp vs. CO₂



4.5% Correlation!!! - Blue Arrow = Subset

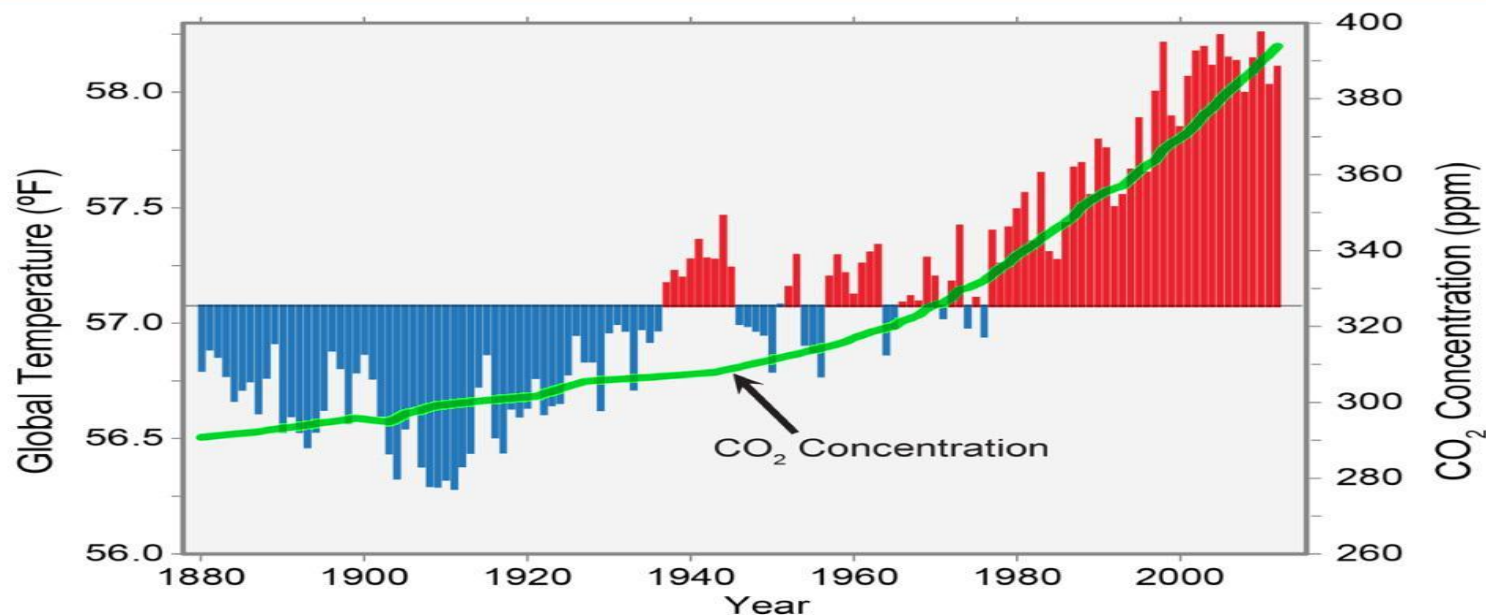




Temp vs. CO₂ Subset

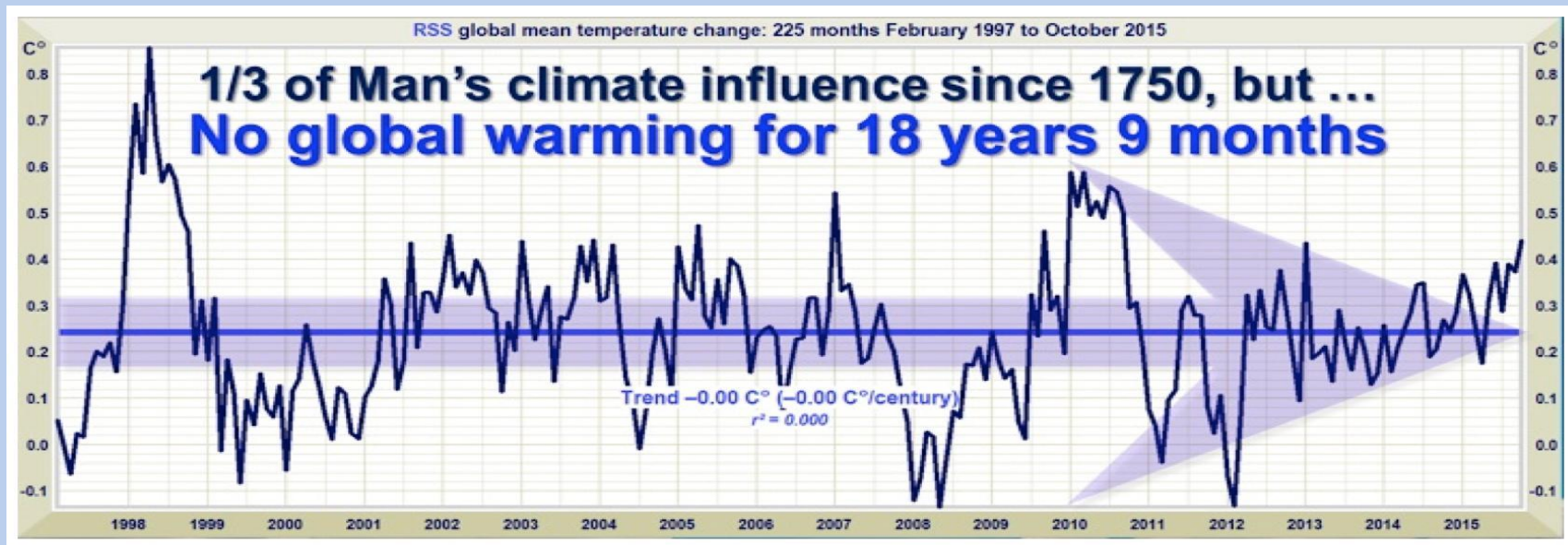


2/3 Correlated Over 135 Year Period





World Atmospheric Temperatures



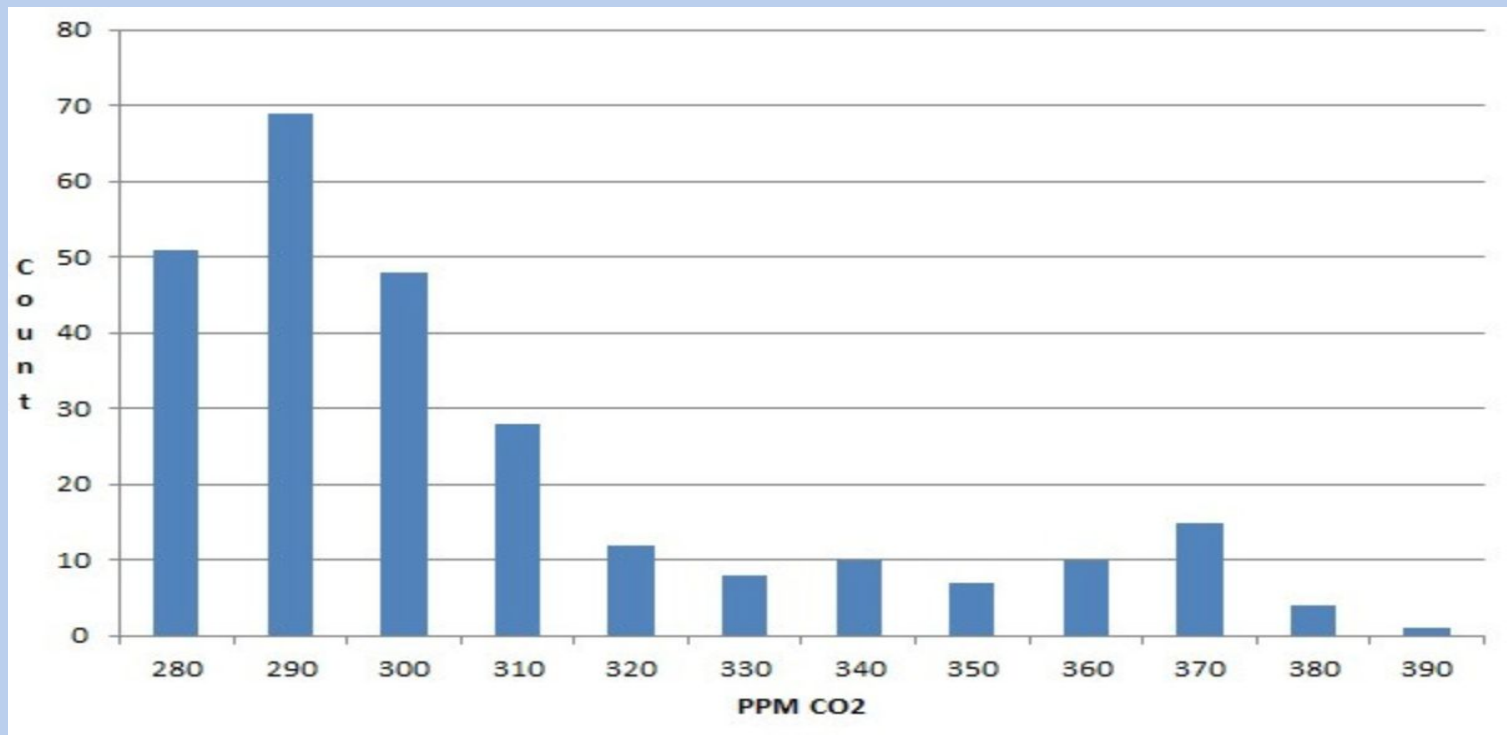


Hurricanes





US Hurricane Strikes vs CO₂

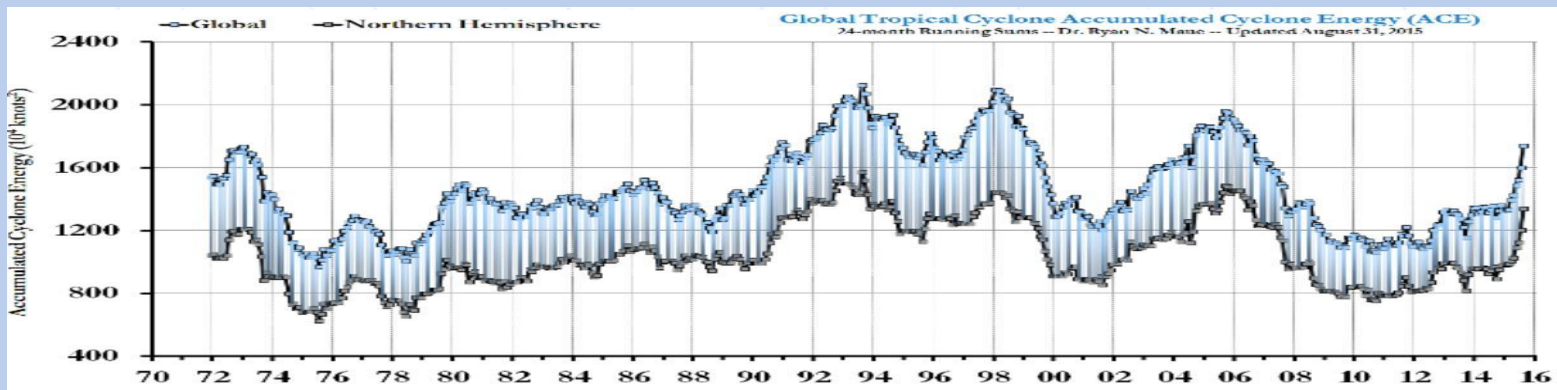
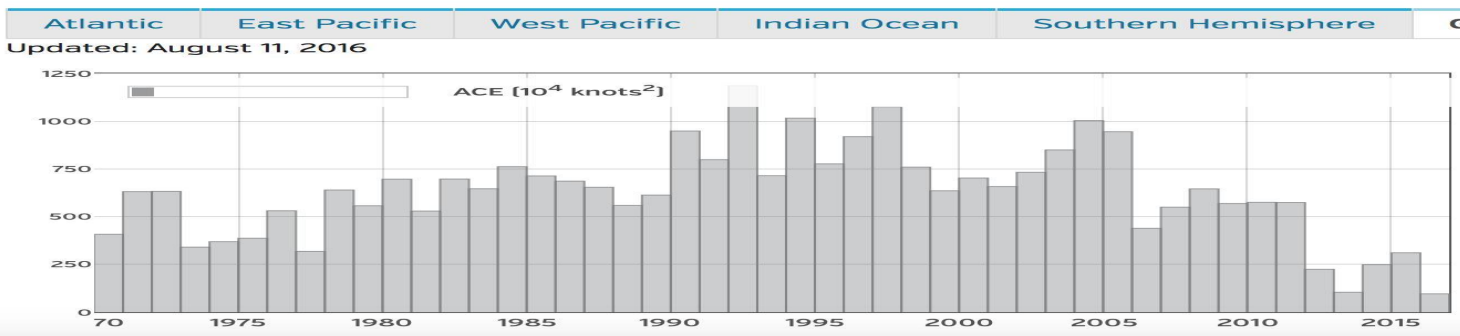




Accumulated Cyclone Energy (ACE)

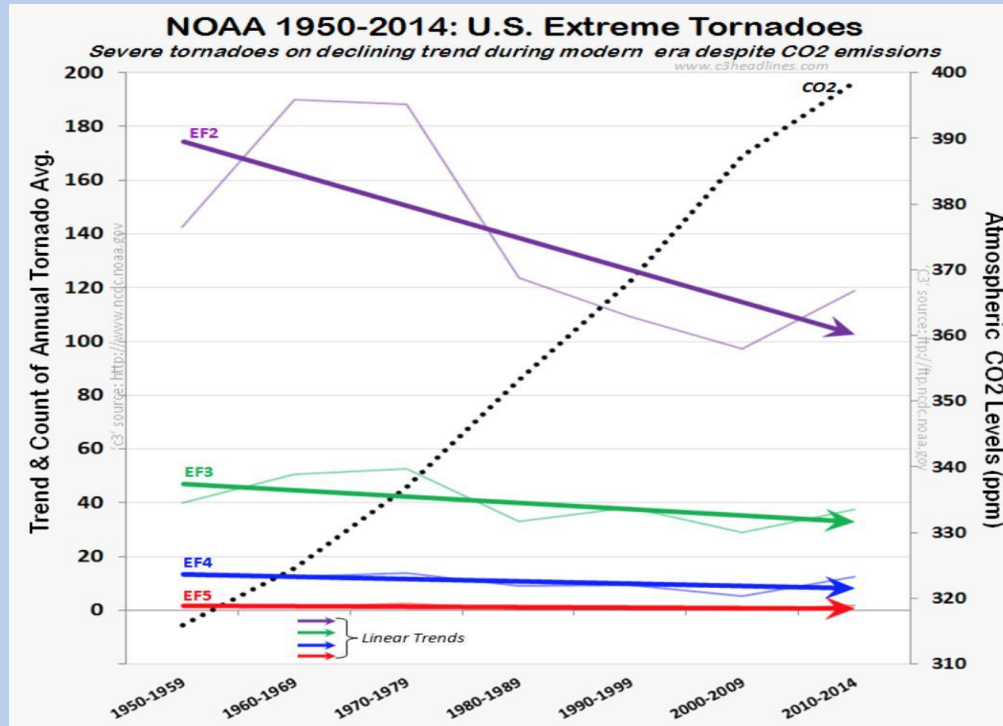


Accumulated Cyclone Energy [ACE]



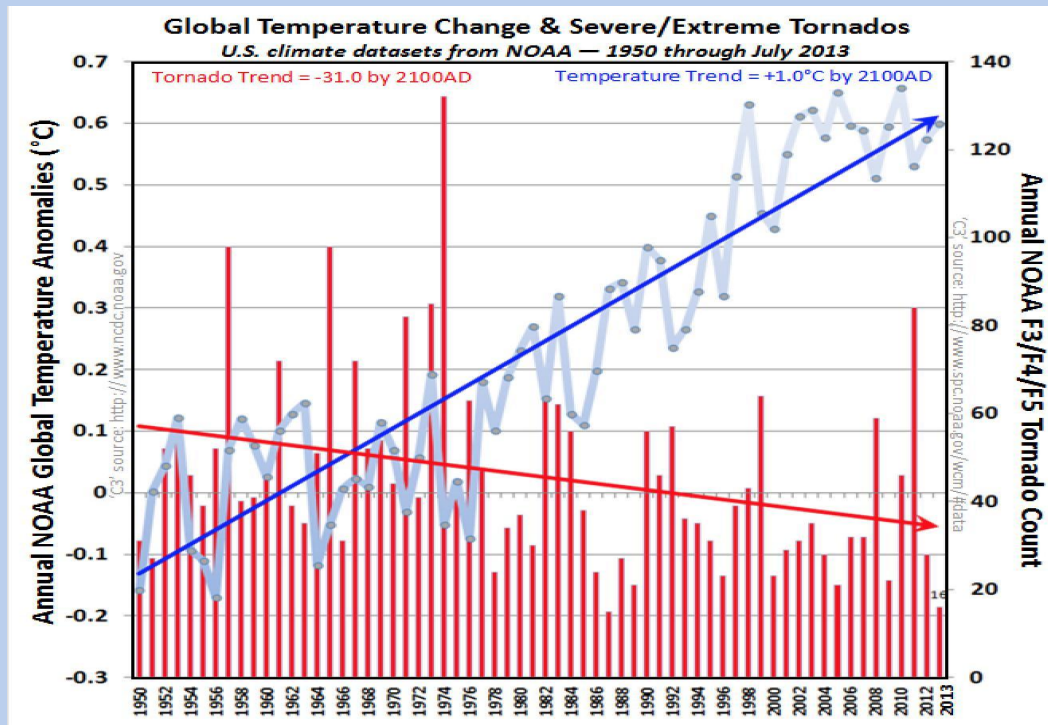


US Tornado Count vs. CO₂

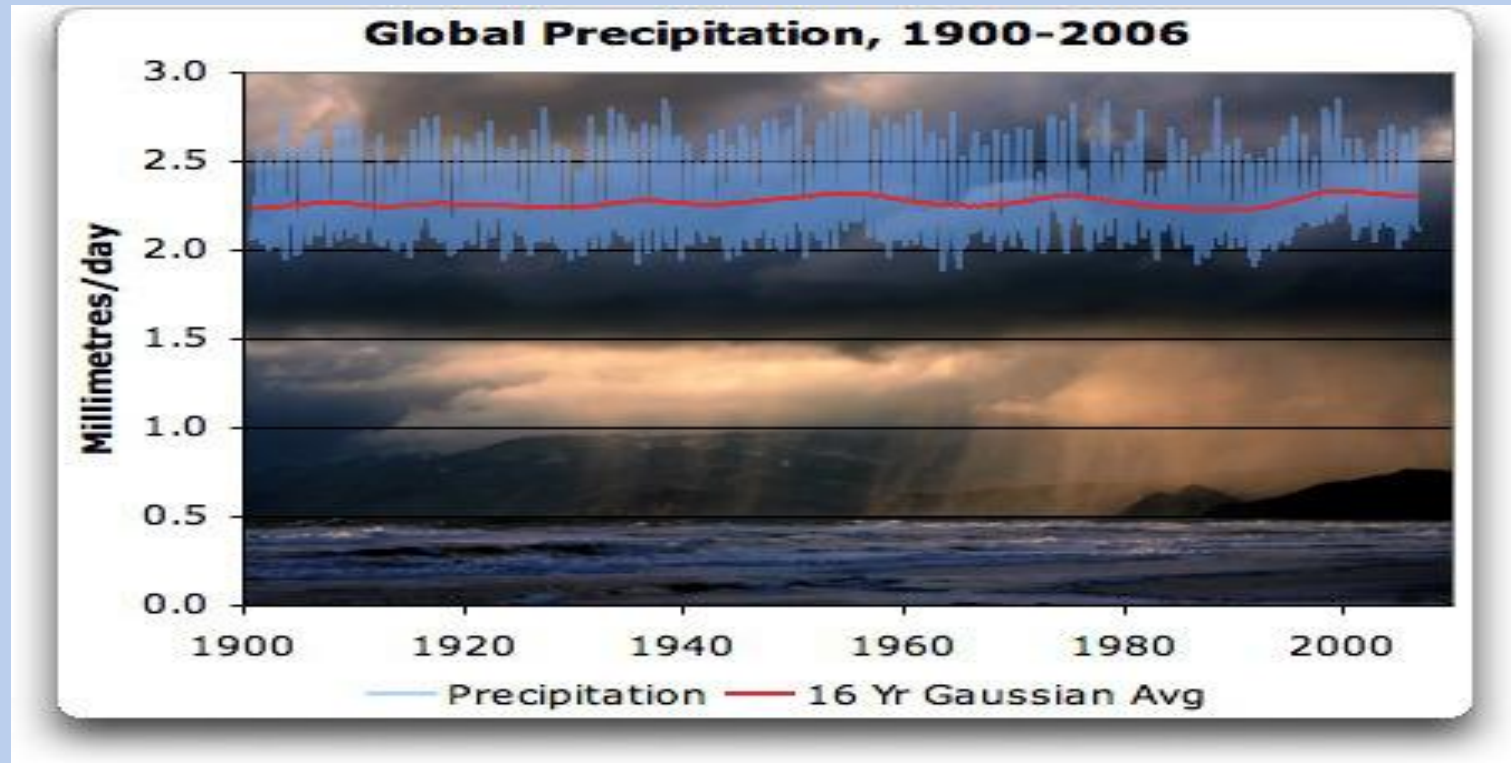




Tornado Count vs. Temp.



Precip. Correlates with CO₂?





Sea-Level Rise & CO₂



Is There Cause and Effect?

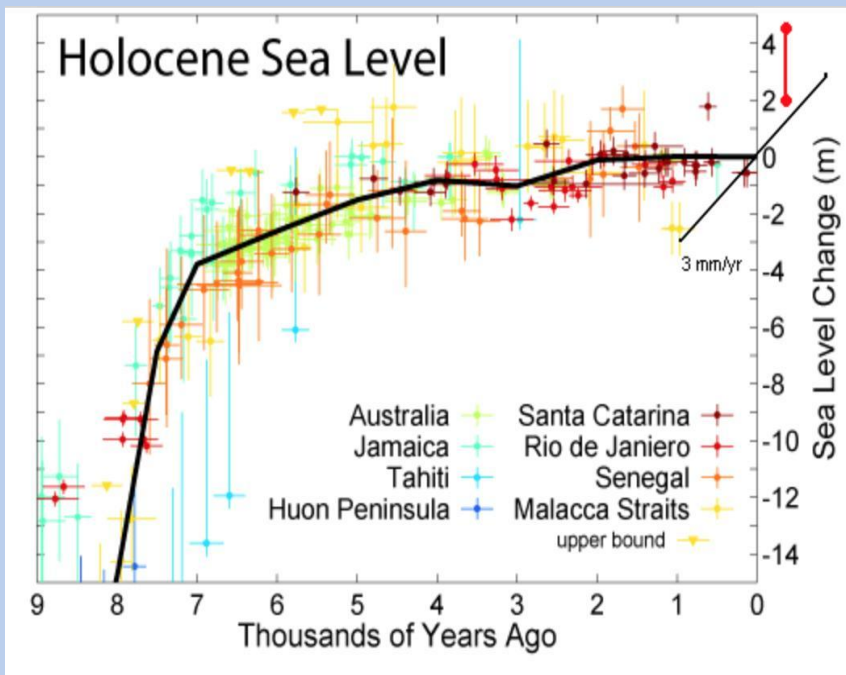
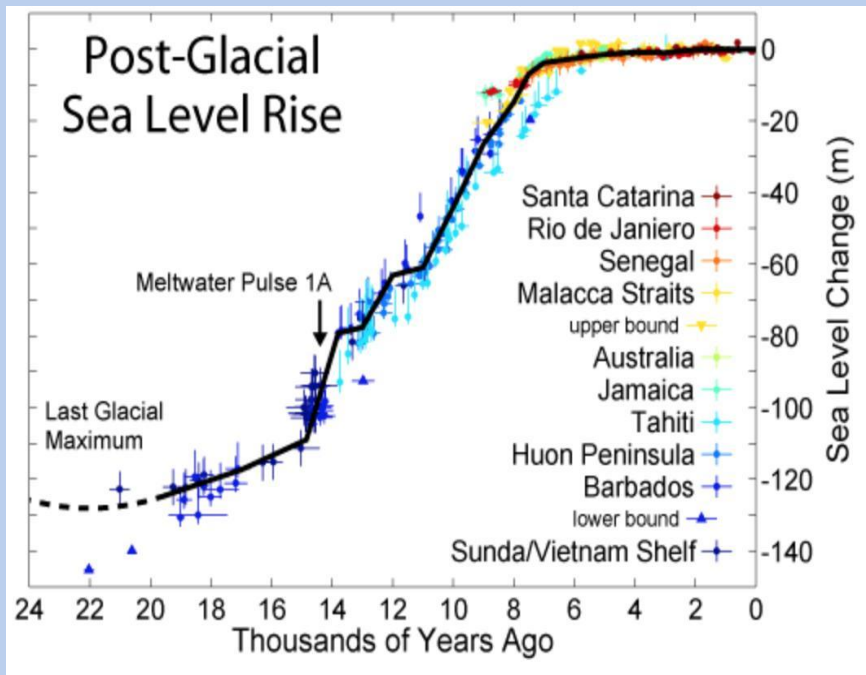
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Does a Rise/Fall in One Increase
of Decrease the Other?

Absolutely NOT!!!



24K & 8K Year SLR

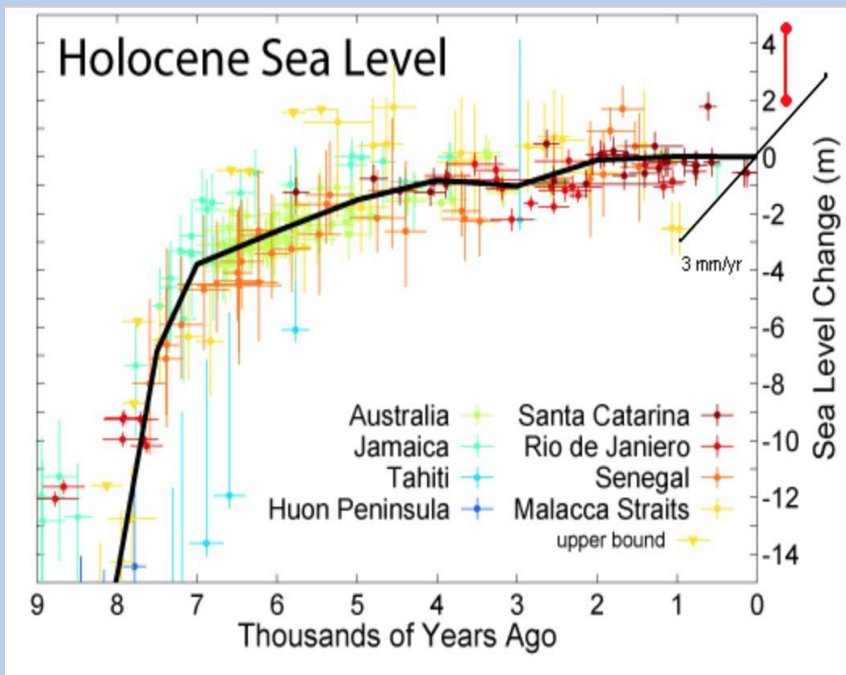
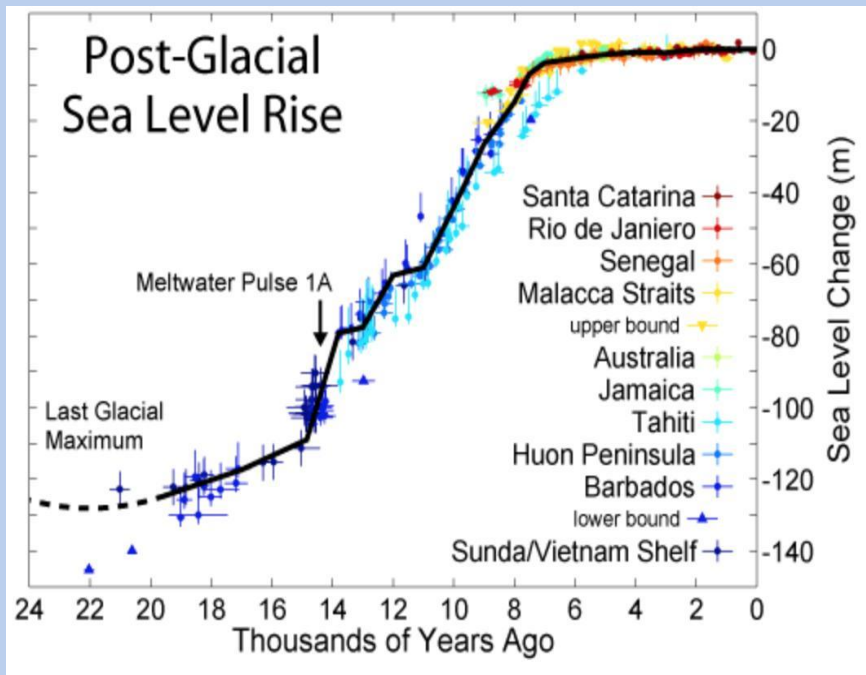




24K & 8K Year SLR



↙-7K-↘





Tide Gauges

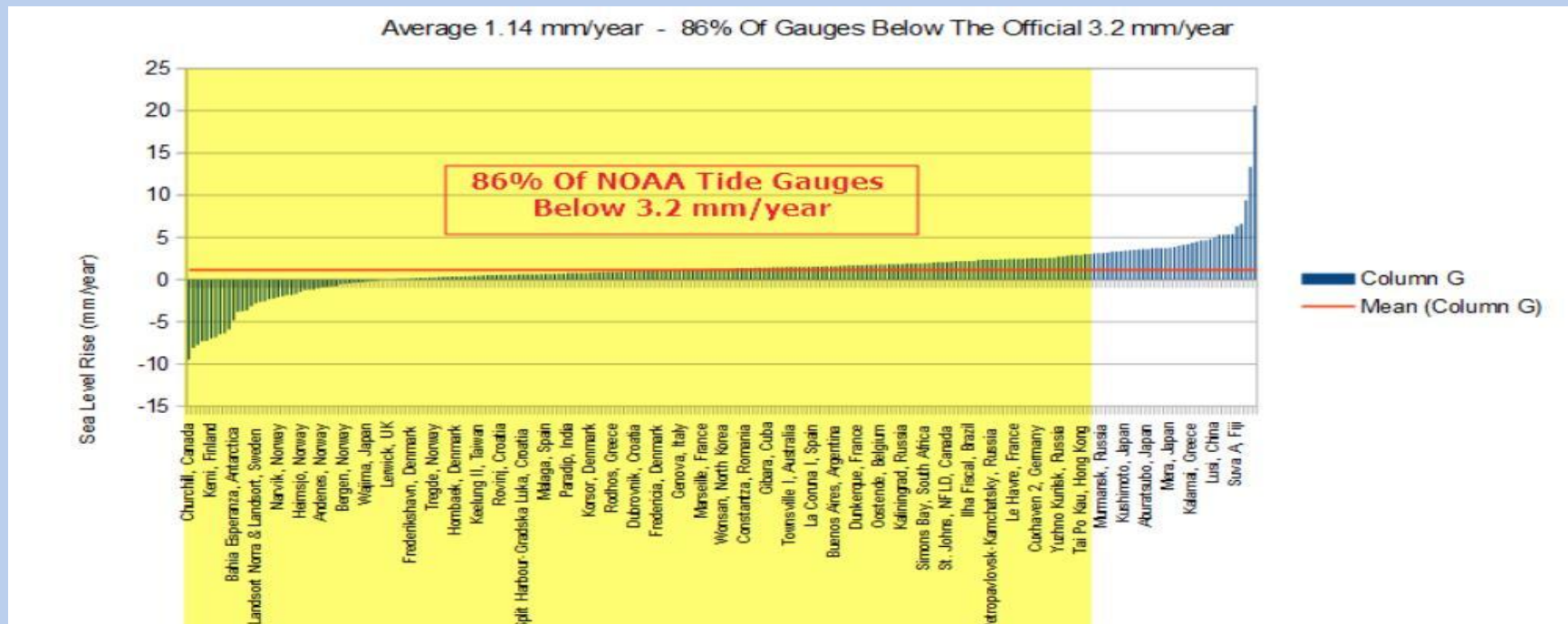


Fort Point, New Hampshire U.S.



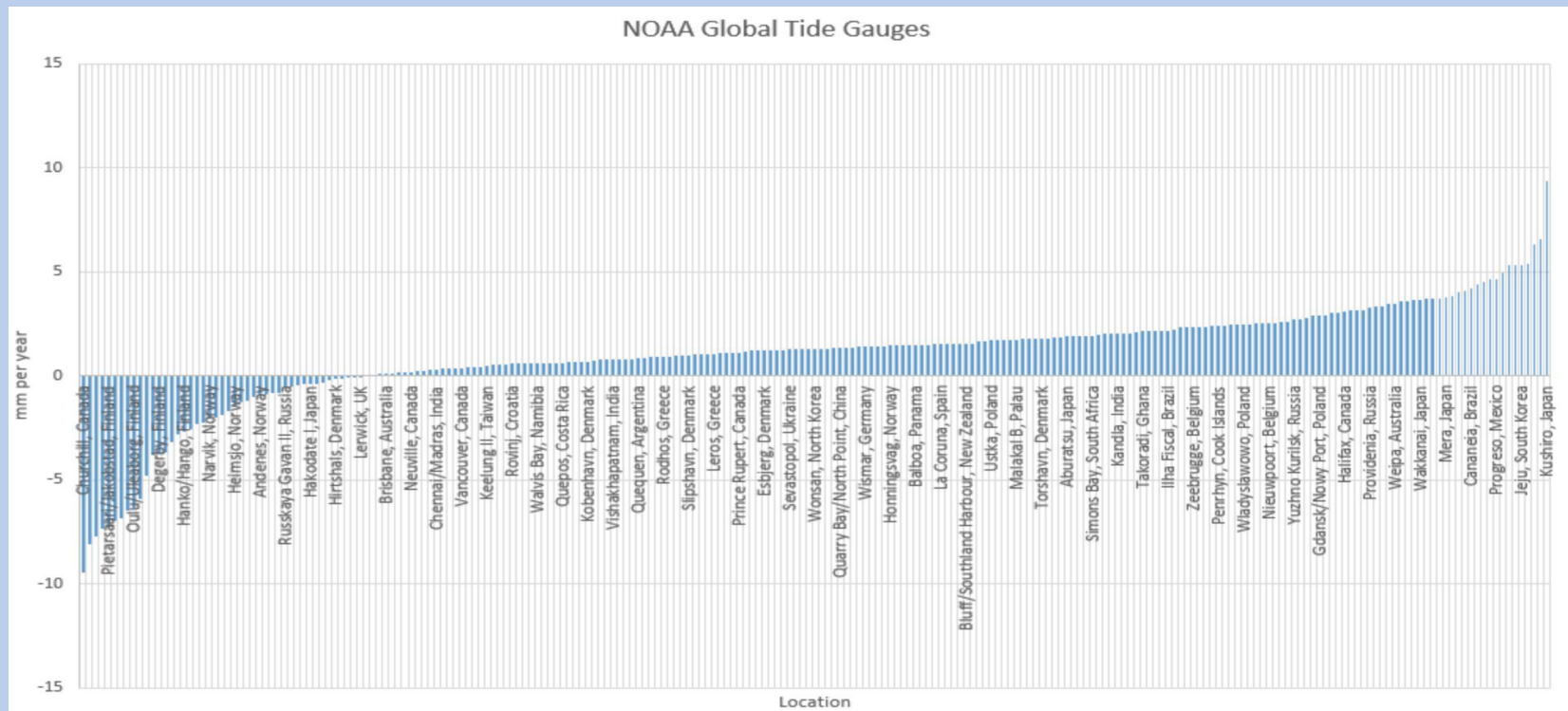


Tide Gauge Bias



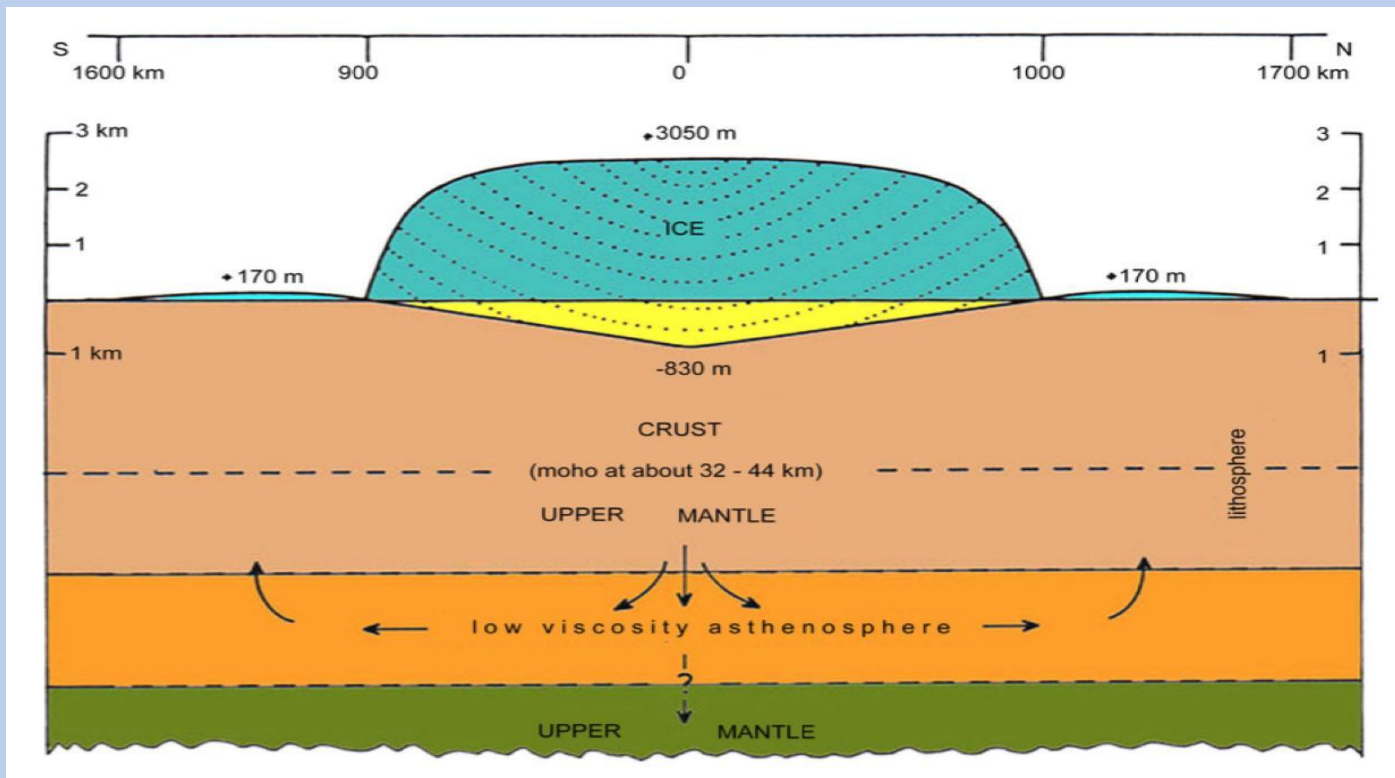


Tide Gauge Bias

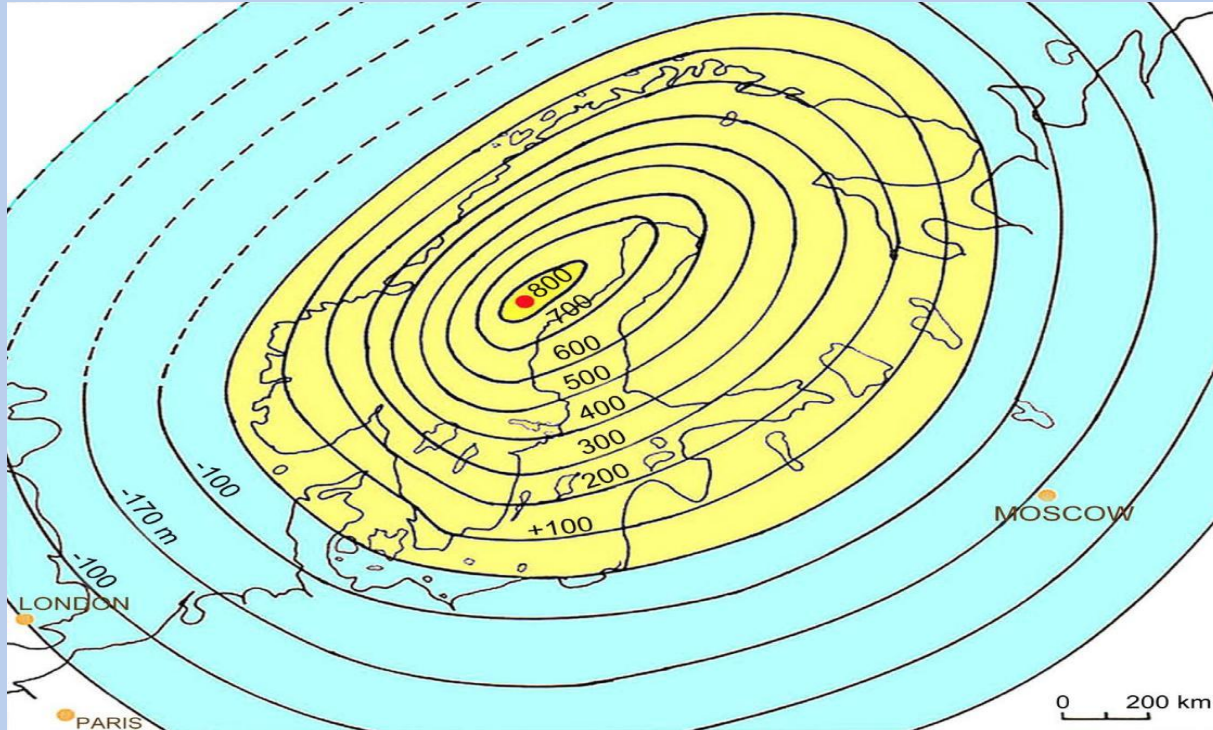




Glacial Isostasy

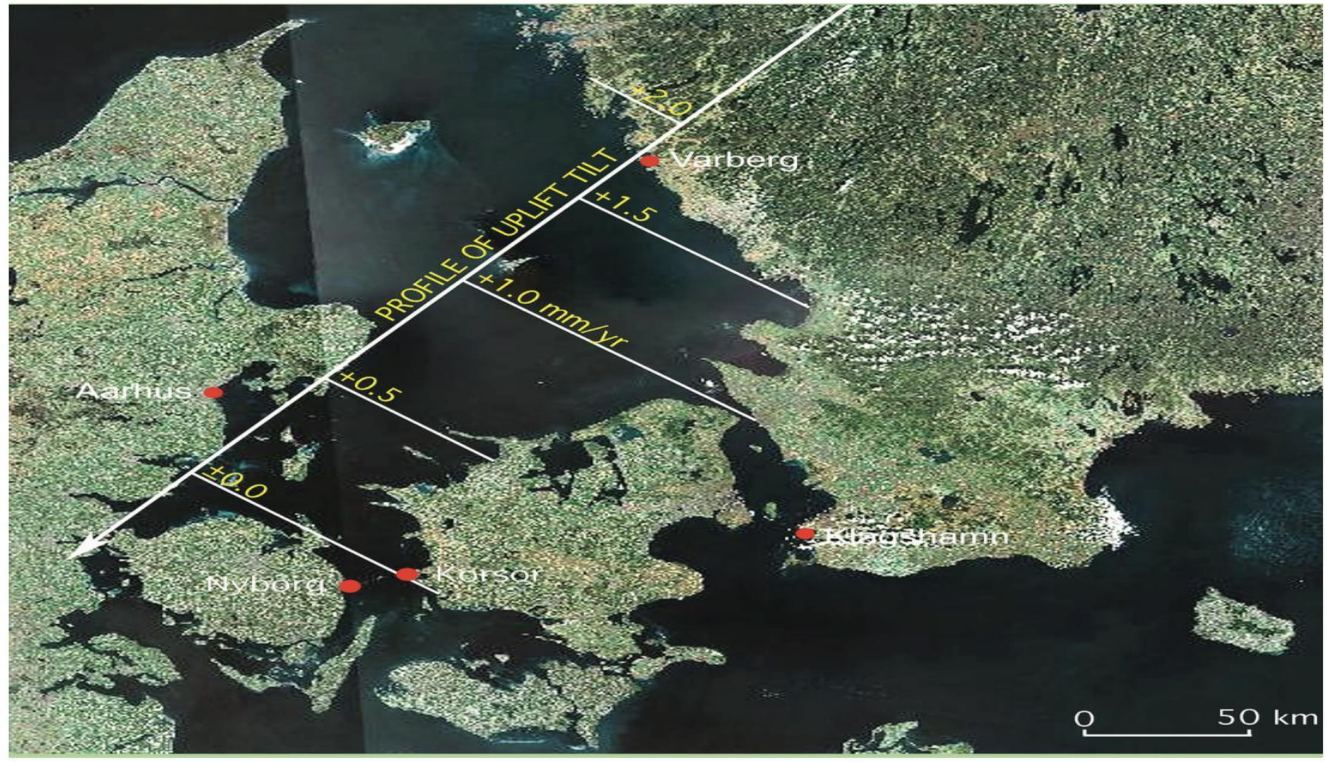


Tectonics in the Baltic





Baltic Tectonic Detail



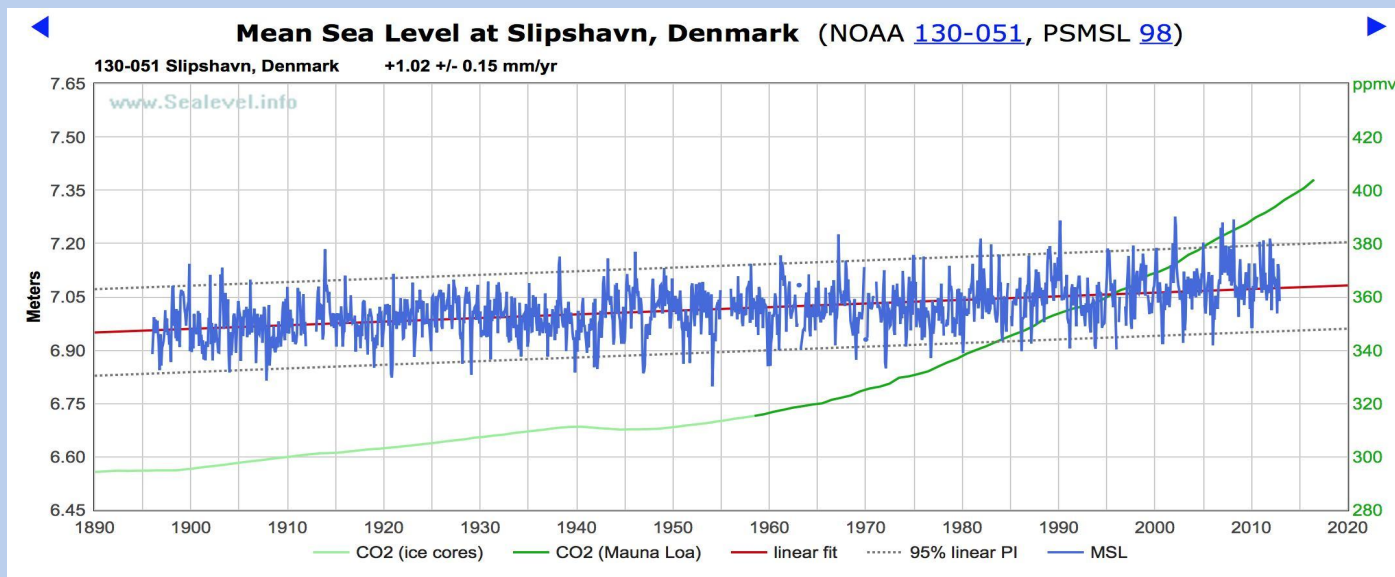


Massive 38% CO₂



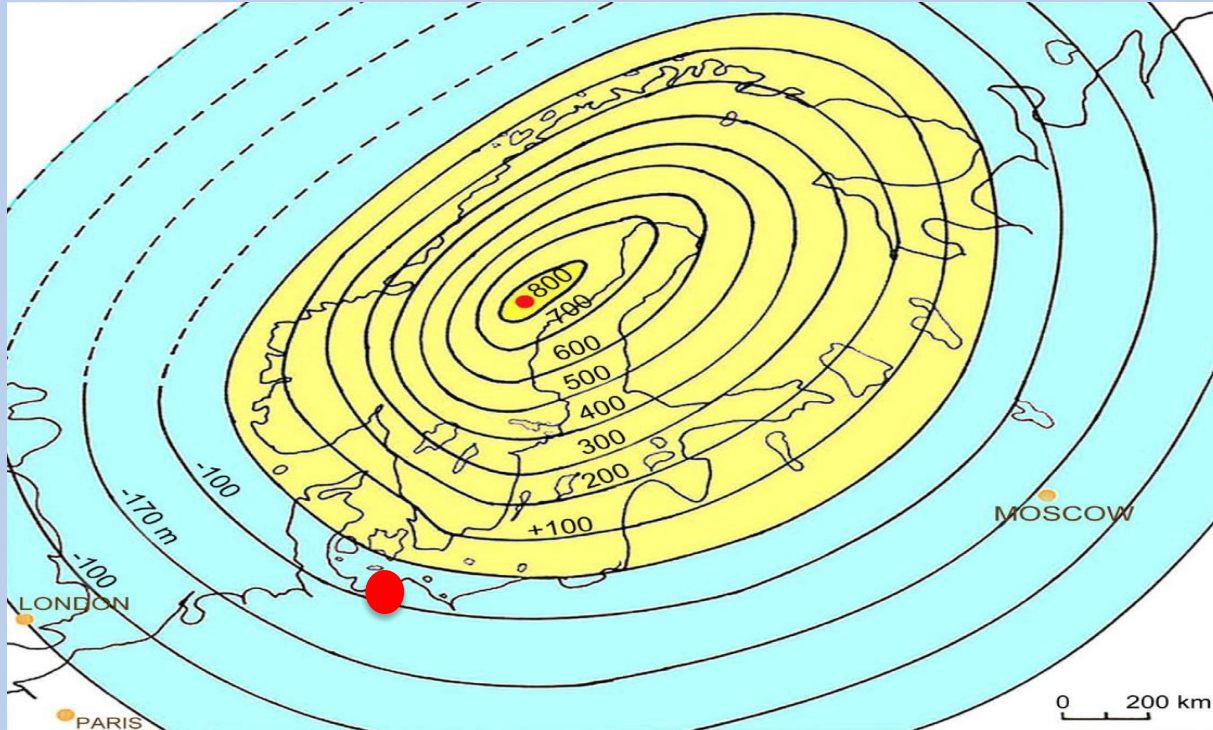
Increase Since 1880

Any sign of Sea-Level Rise Accelerating in
Tectonically Inert Areas?



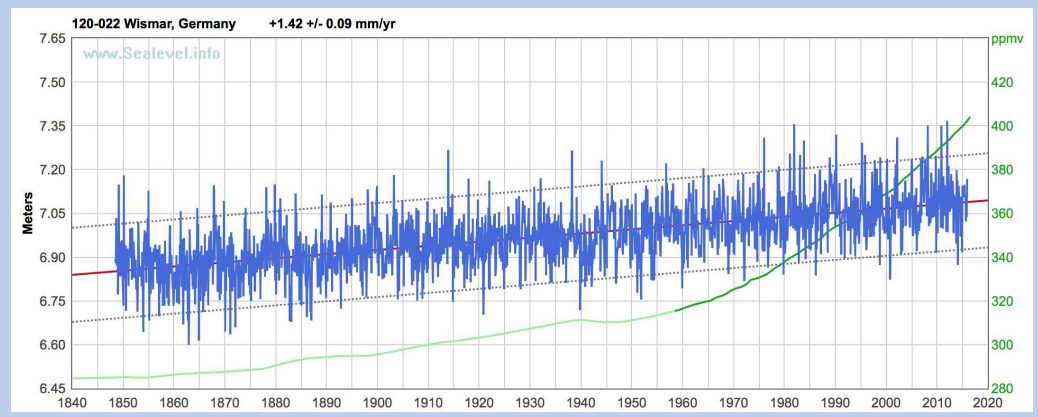
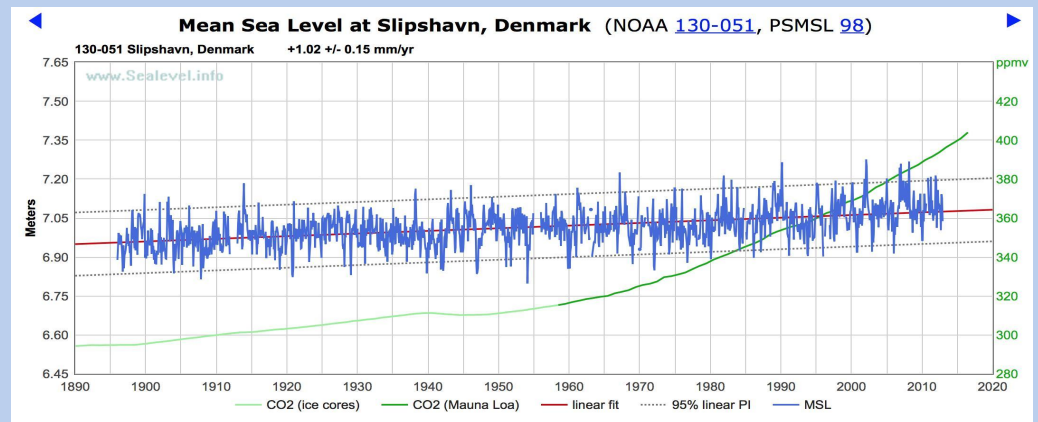


Tectonics in the Baltic





Tide Gauge Cross Validation



N
Y
B
O
R
G

20,000
years ÷ 80
Meters

W
I
S
M
A
R

Yields Δ
Annual SLR
of 0.4mm



The Future of Boston?



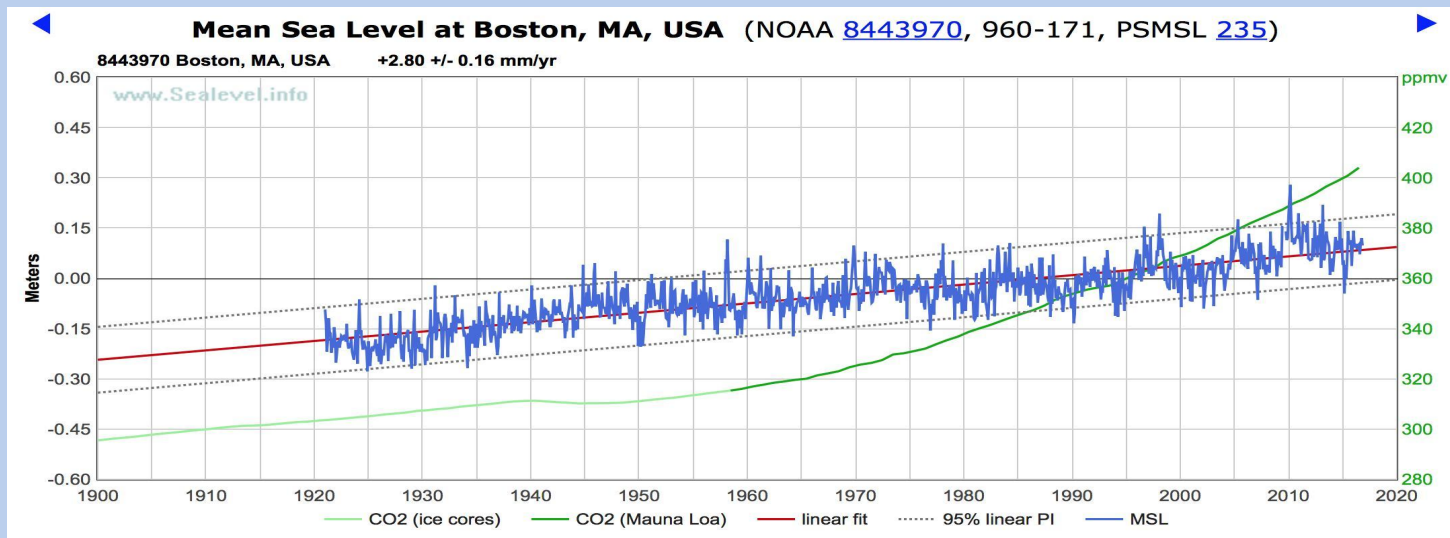


Massive 38% CO₂ Increase Since 1880



Any sign of Sea-Level Rise Accelerating in Boston?

Guess Again: Boston's Sea-Level Rise is Linear!!!)

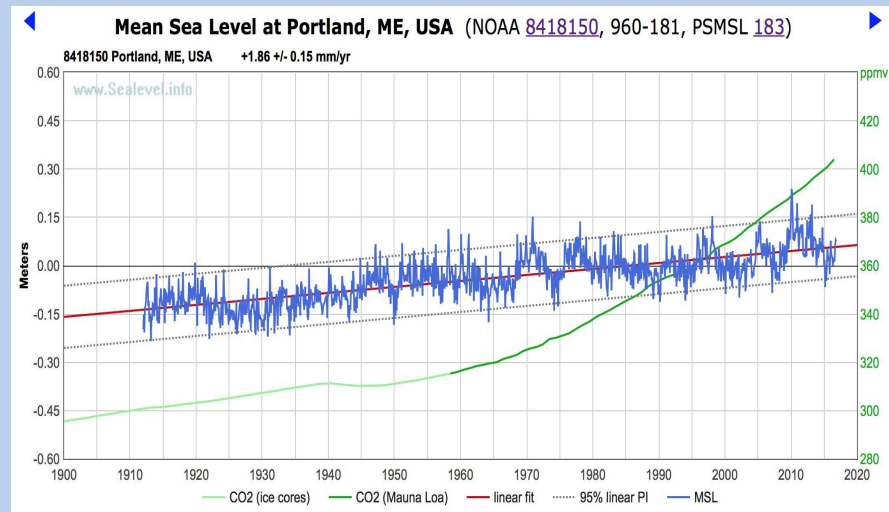
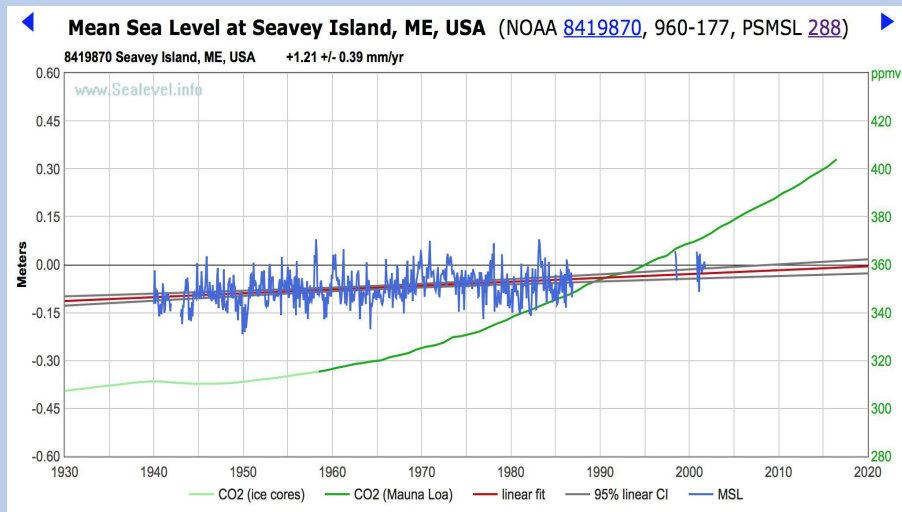




Massive 38% CO₂ Increase Since 1880

Any sign of Sea-Level Rise Accelerating in The New
England Region?

Portsmouth NH & Portland ME Regional Sea-Level Rises are Linear!!!



August 1912 = January 2015 **103 years to the millimeter**



The Future for NYC?



New York City's Past & Present

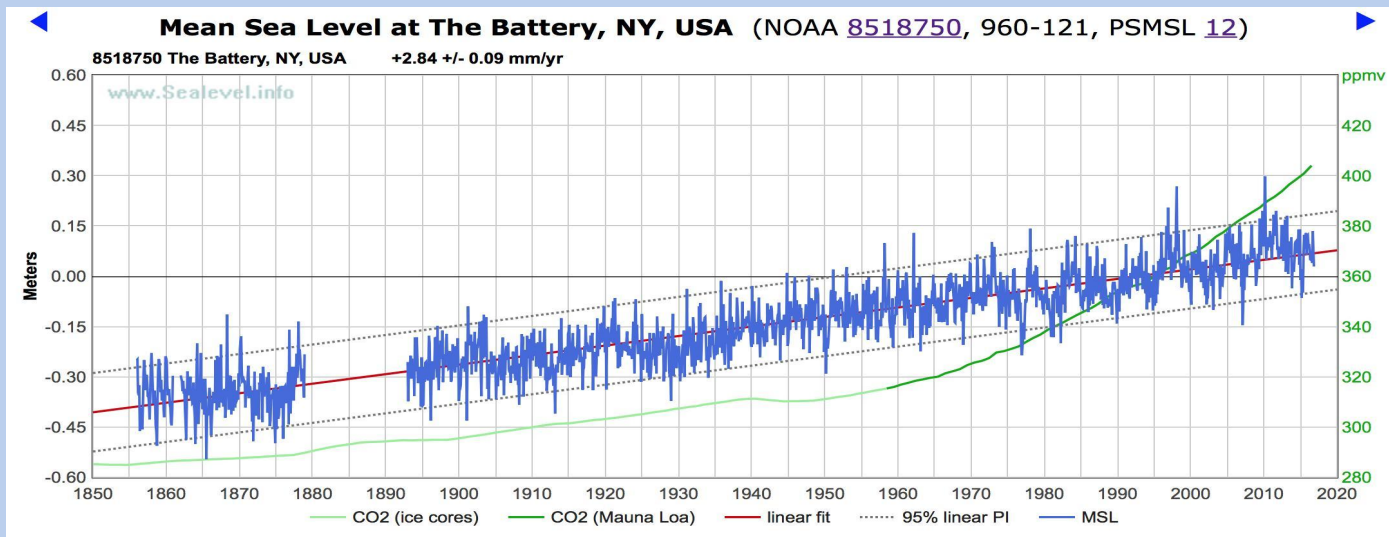




Massive 38% CO₂ Increase Since 1880

Any sign of Sea-Level Rise Accelerating in The New York
City Area?

Guess Again: NYC Sea-Level Rise is Linear!!!)





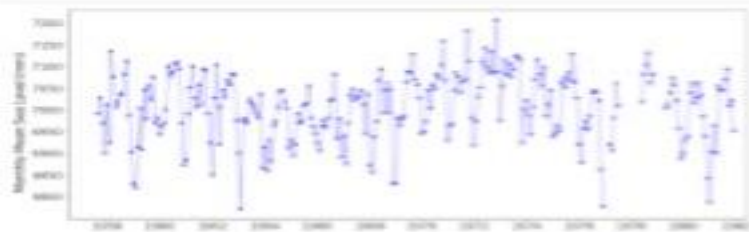
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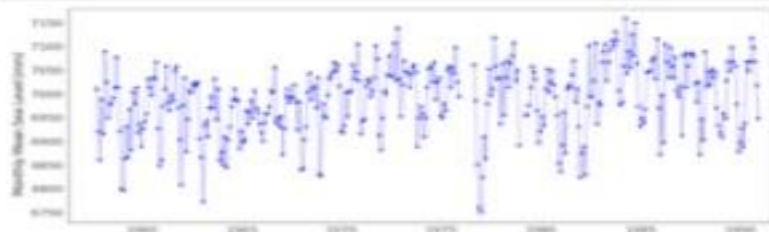
Any sign of Sea-Level Rise Accelerating in The New York City Region?

Guess Again: NYC Regional Sea-Level Rise is Linear!!!)

Port Jefferson, NY



New Rochelle, NY





Massive 38% CO₂

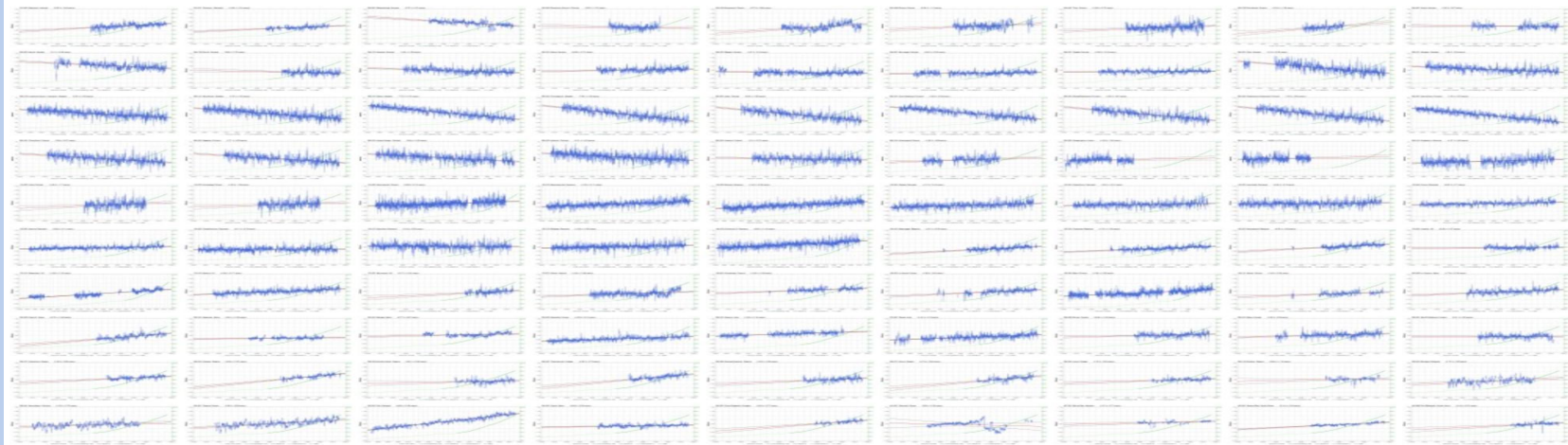


Increase Since 1880

Any sign of Sea-Level Rise Acceleration?

Guess What: They're all Basically Linear

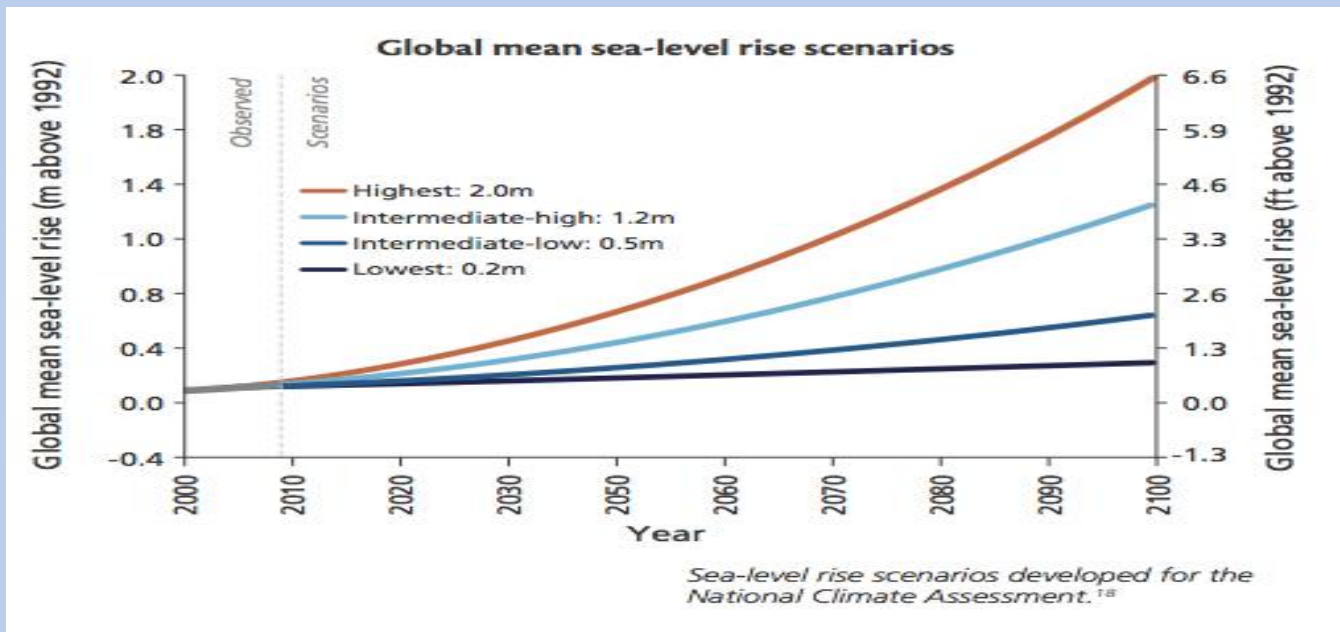
NOAA's 2016 list of 375 long term trend tide stations



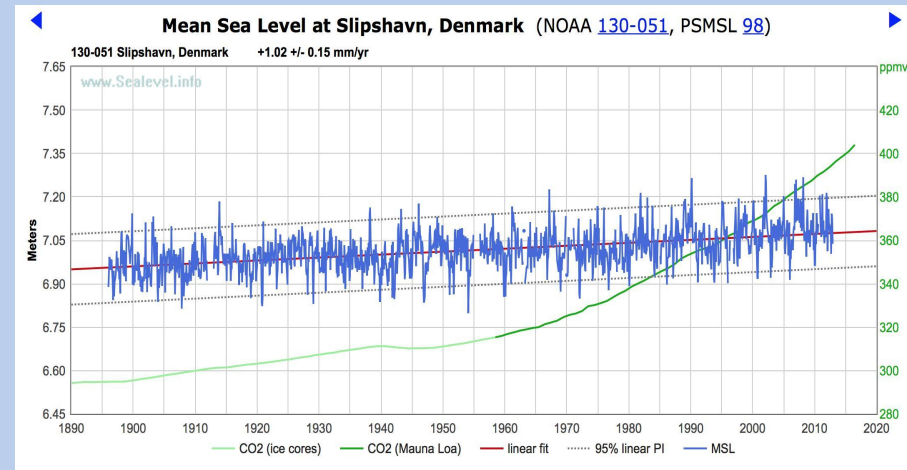
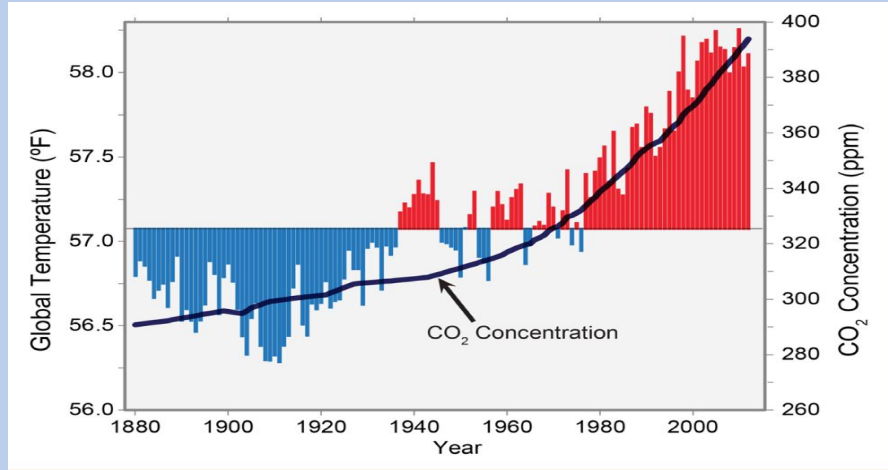


Massive 38% CO₂ Increase Since 1880

Why Should Sea-Levels Rise NOW?



Can Paris Proposals to Reduce CO₂ (1 or 2%) Have ANY Effect on Sea-Level Rise?



No Instrument Exists Today That Could Measure the Result!!!



NYC's Real Future



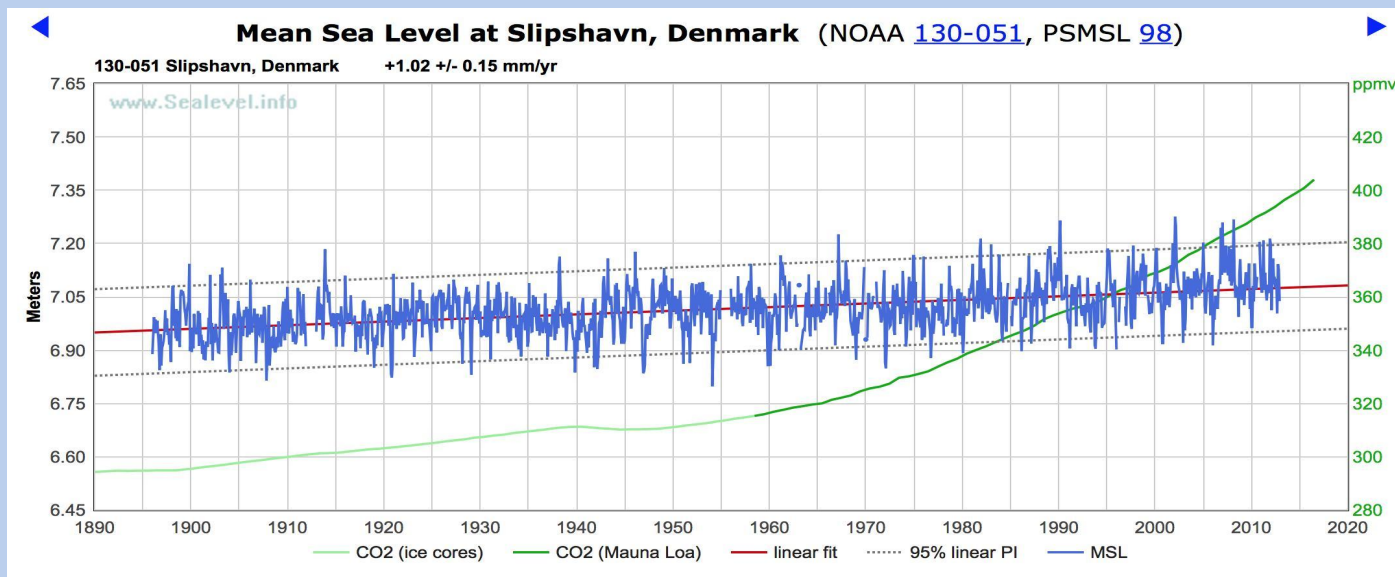


Massive 38% CO₂



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Sea-Level Rise & CO₂



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Weather & CO₂



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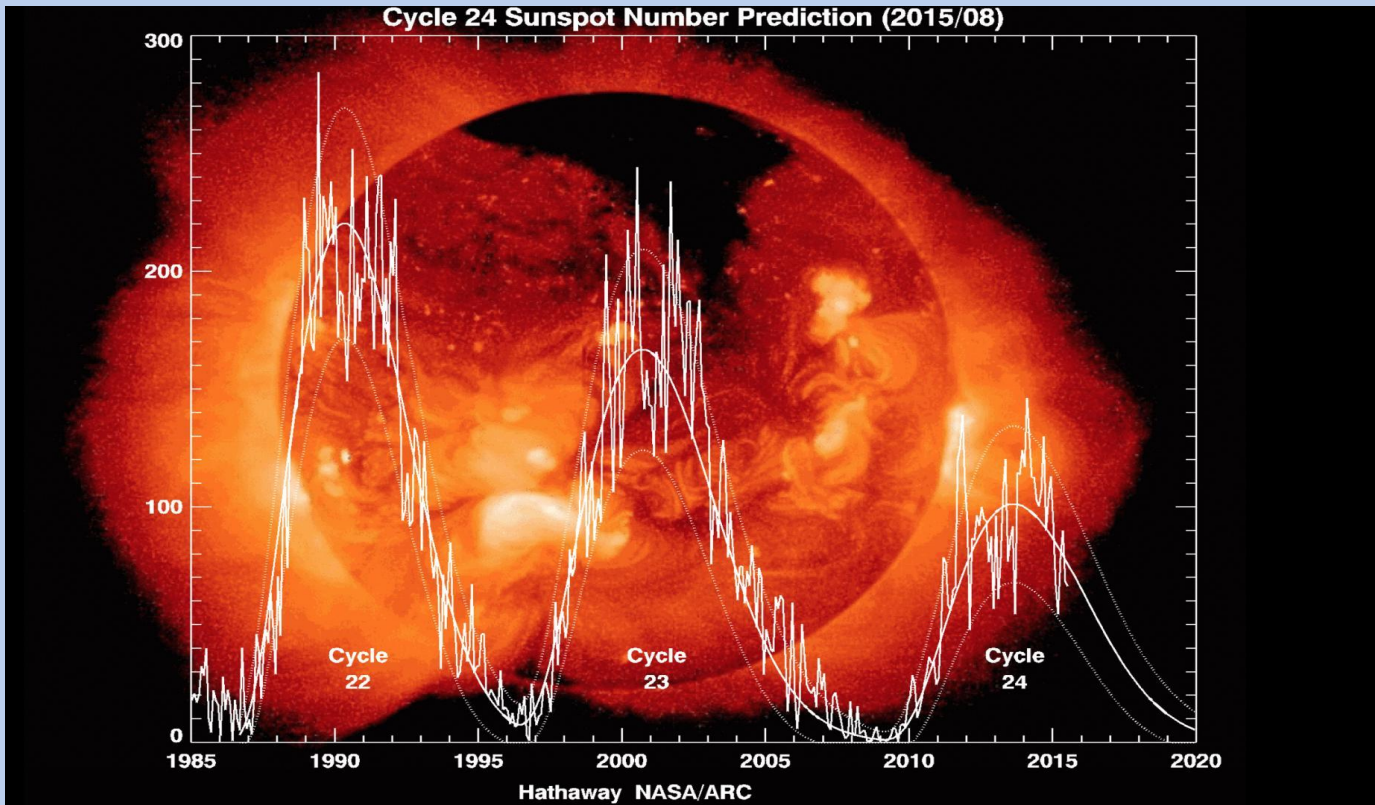
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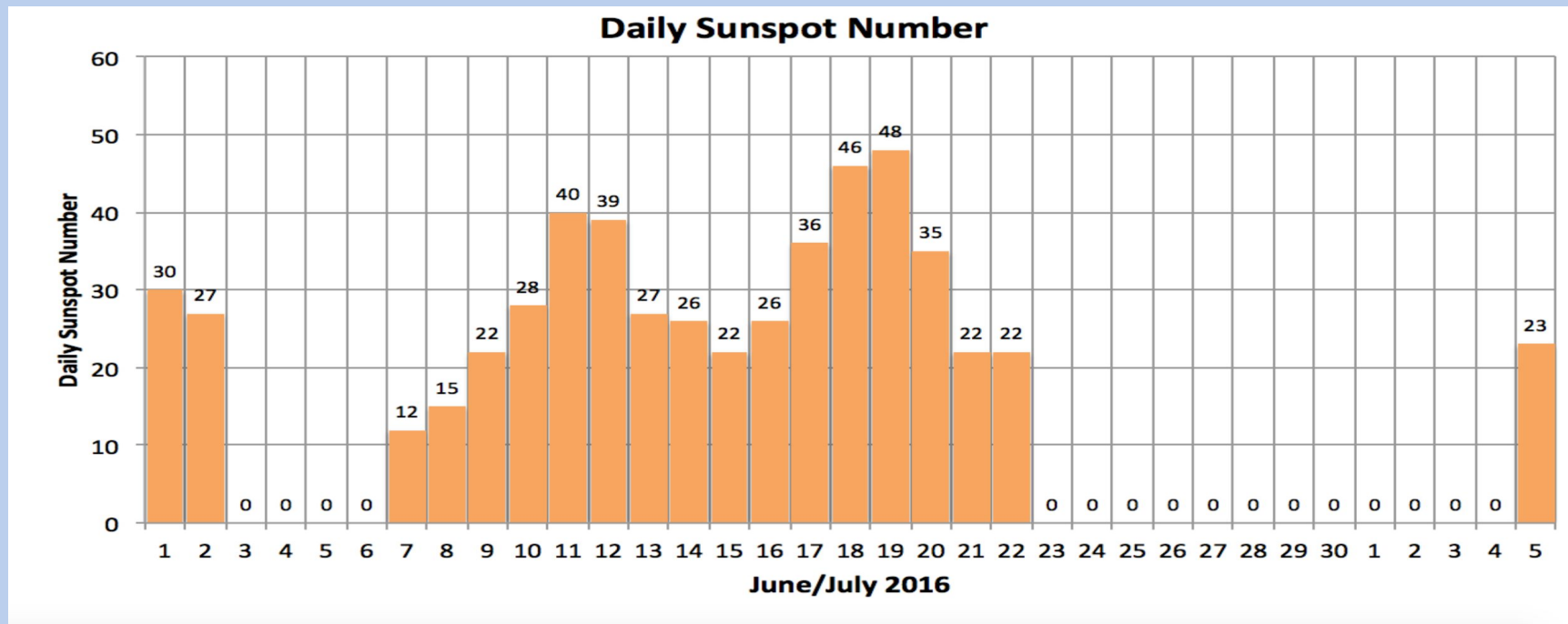


Solar Activity





June-July 2016 Sunspot Activity





Measuring the Measurements

Measure - Calibrate - Validate

In GOD we trust!!!

All others bring DATA



Measuring the Measurements

Measure – Calibrate - Validate

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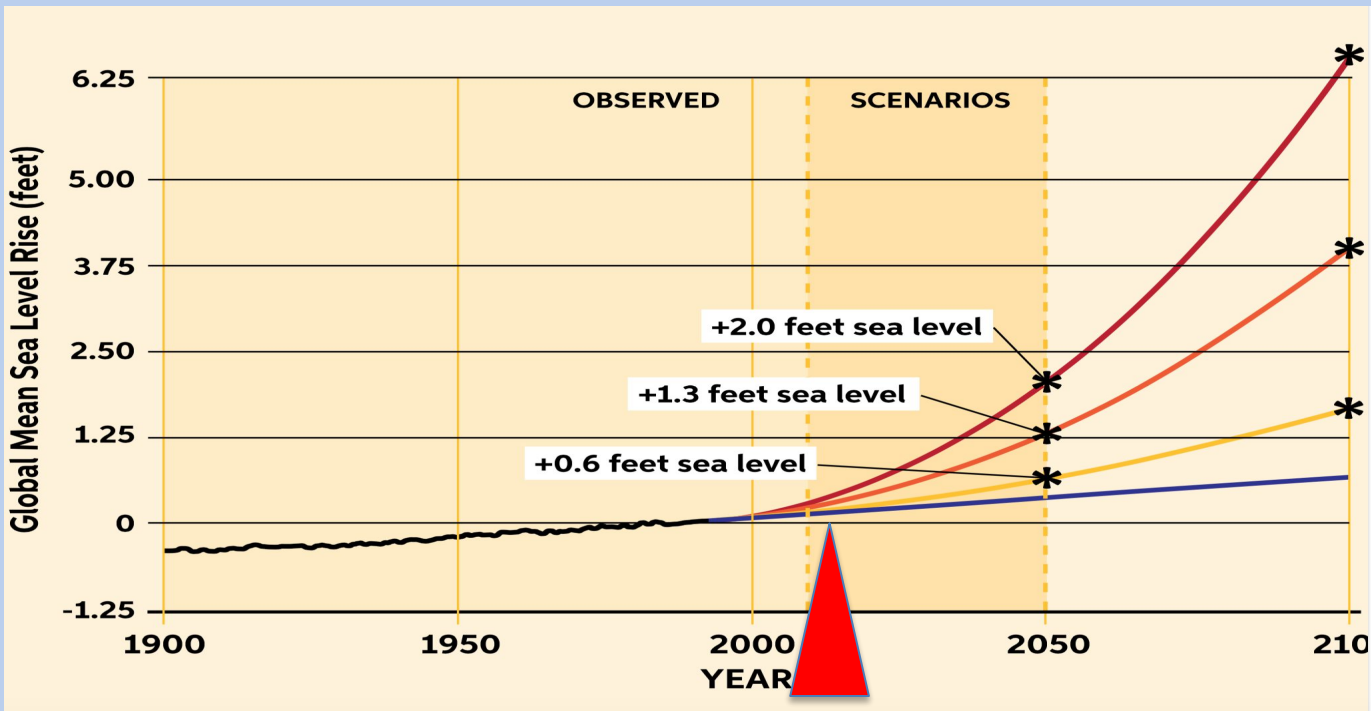
Mandatory Public Policy



Every model claiming SLR/CO₂ acceleration linkage is on its way to **Failure including USACE, the 2014 National Climate Assessment, State versions of the same, all showing over 6 feet of various CO₂ driven Sea-Level Rise scenarios by Century's end!**



NH CRHC Sea Level Rise Scenarios (2016)





Mandatory Public Policy



The claimed SLR/CO₂ linkage is **barred from use** in any law, regulation, or policy, until the 95% confidence zone is sequentially pierced for 10 yrs.





Mandatory Public Policy



EPA needs to get back on mission:

**Focus on Poisons, Carcinogens, Toxins
and Processes that kill or injure people.**

CO₂ is not among them.



The Colder Side of Global Warming©

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