



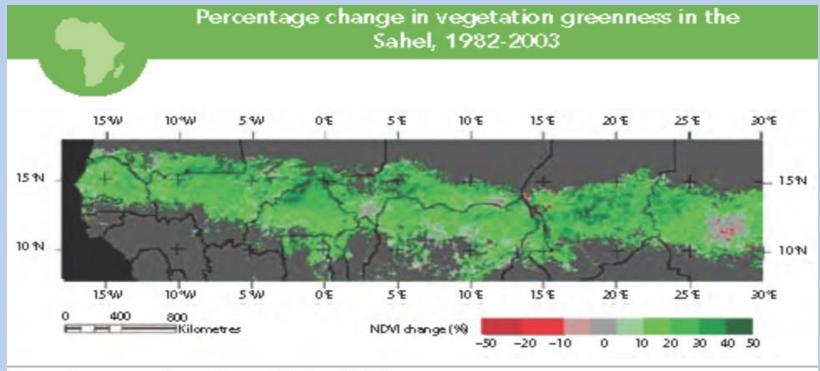
ENVIRONMENTAL BENEFITS OF INCREASED CO₂



Is CO2 Plant Food? Here is what happens with more CO2



ENVIRONMENTAL BENEFITS OF INCREASED CO₂



Source: Hermann, Anyamba and Tucker (2005).

Sea-Level Rise & CO₂

Is There Cause and Effect? <u>NO!!!</u>

Does a Rise/Fall in One Increase of Decrease the Other? <u>Absolutely NOT!!!</u>



NASA TRCS



One More Mission

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 ICCC-7



NASA TRCS



One More Mission

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 ICCC-7!

Weather & CO₂

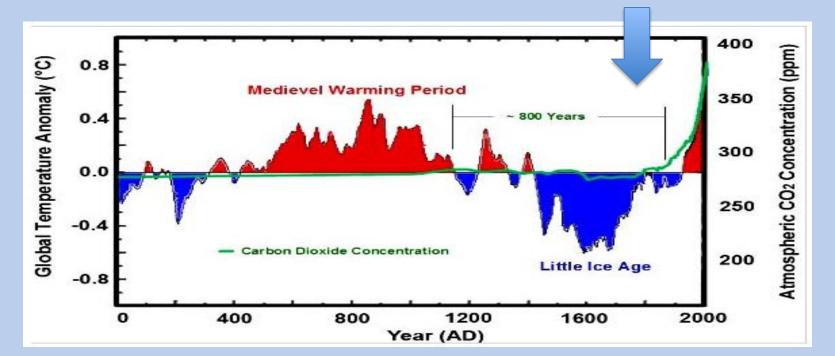
Is there Cause & Effect? Not Quite What You Might Think!!!

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



2000 yr. Temp vs. CO₂

<u>4.5%</u> Correlation!!! - Blue Arrow = Subset

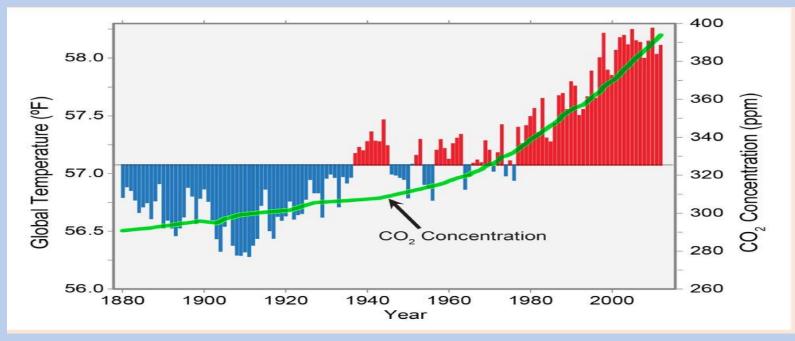




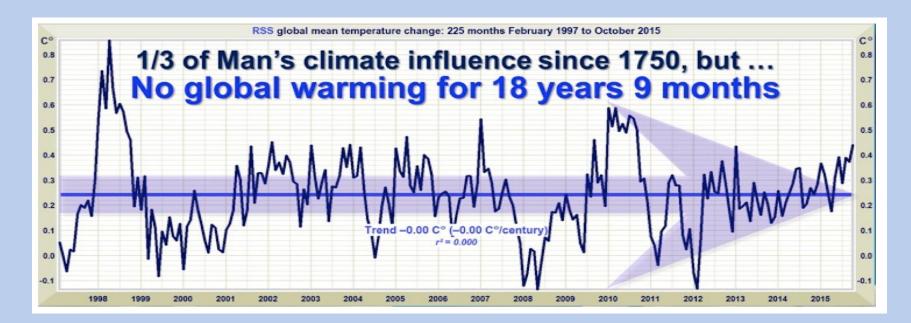
Temp vs. CO2 Subset



2/3 Correlated Over 135 Year Period



World Atmospheric Temperatures



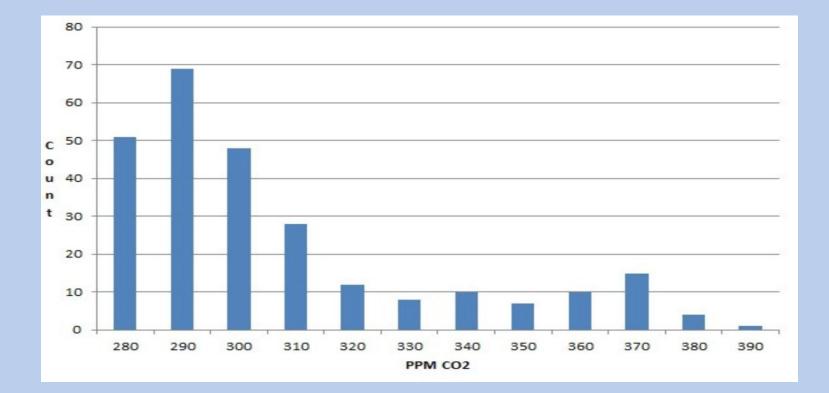


Hurricanes



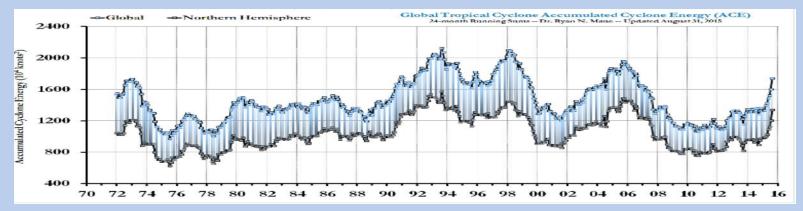


US Hurricane Strikes vs CO₂



Accumulated Cyclone Energy (ACCUMULATED)

Accumulated Cyclone Energy [ACE] Atlantic East Pacific West Pacific Indian Ocean Southern Hemisphere G Updated: August 11, 2016 1250 ACE (10⁴ knots²) 1000 750 500 250 0 70 1975 1980 1985 1990 1995 2000 2005 2010 2015

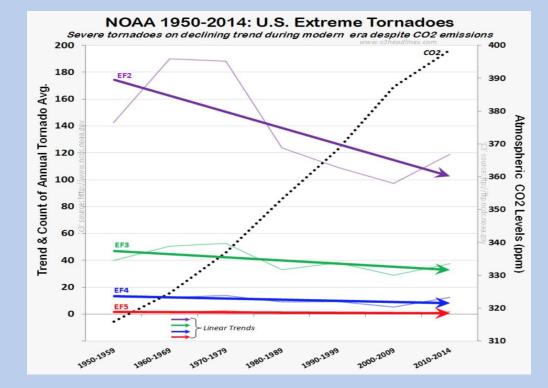




US Tornado Count vs. CO₂

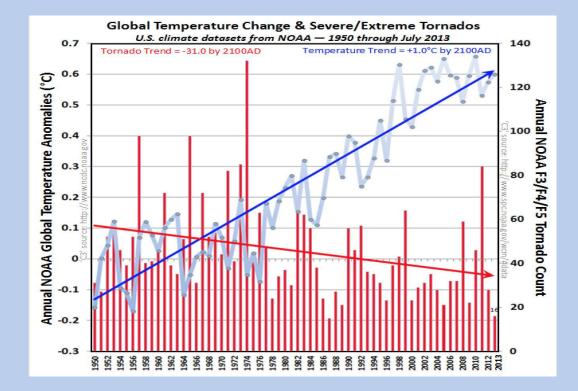




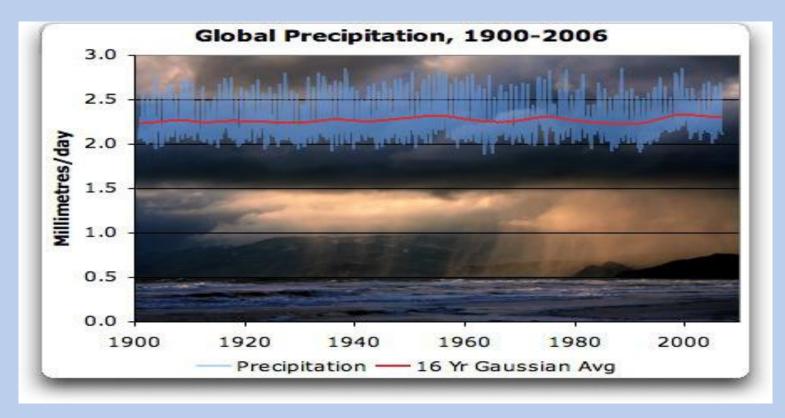


Tornado Count vs. Temp.





Precip. Correlates with CO₂?



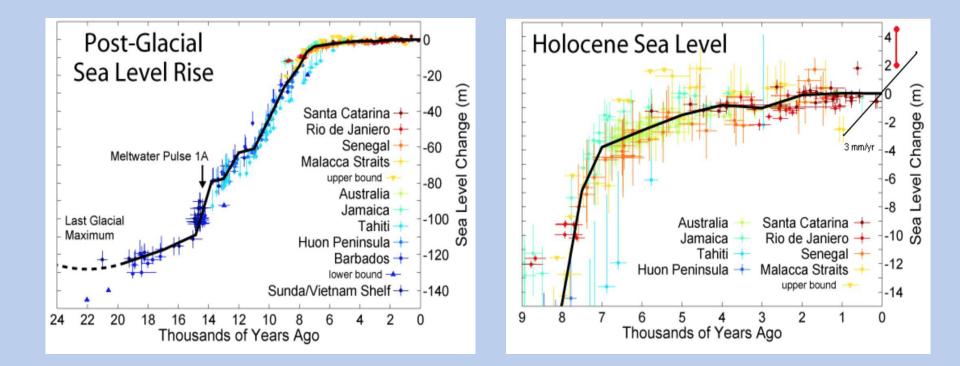
Sea-Level Rise & CO₂

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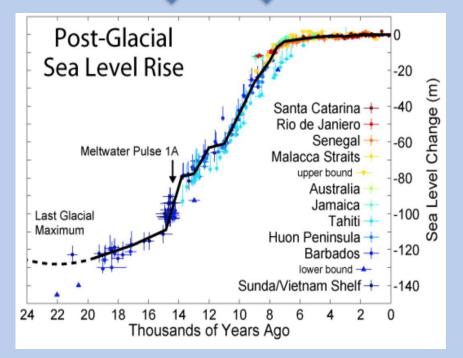


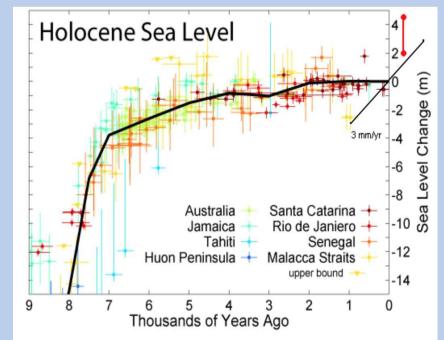
24K & 8K Year SLR





24K & 8K Year SLR







Tide Gauges



Fort Point, New Hampshire U.S.







Tide Gauge Bias







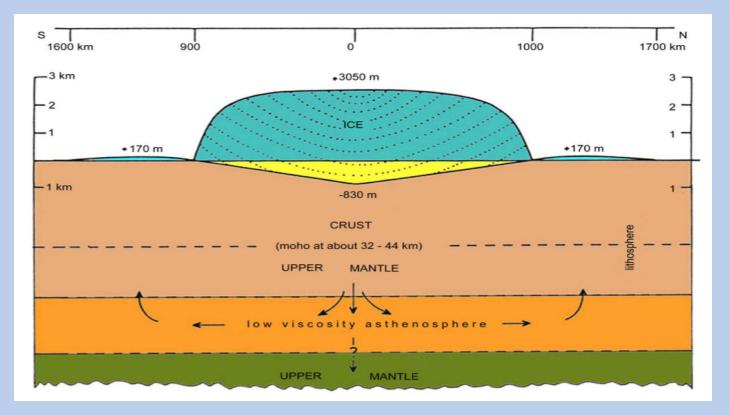
Tide Gauge Bias



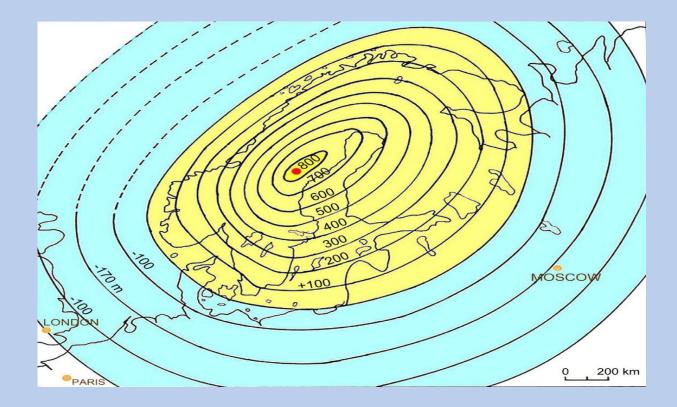
NOAA Global Tide Gauges 15 10 5 mm per year 0 Hirtshals, Denmark Canada Lerwick, UK Brazil lakodate I, Japar Neuville, Canad Leros, Greeci igsvag, Norway our, New Zealand Simons Bay, South Afric pe Weipa, Australia Wakkanai, Japar Russkaya Gavan II, Russi osta Ric Esbierg, Denmar German Forshavn, Denmar Providenia, Russi Mera, Japa South Kore Brisbane, Austral Chennal/Madras, Indi Quequen, Argentir Rodhos, Greec Sevastopol, Ukrain Jstka, Polan Malakal B, Pala Aburatsu, Japa /ancouver, Canac obenhavn, Denma /ishakhapatnam, Ind Slipshavn, Denma Balboa, Panam a Coruna, Spa Gdansk/Nowy Port, Polar Progreso, Mexic Keelung II, Taiw Croat Nonsan, North Kor t, Chi Kandla Ind Kushiro, Japa Andenes, Norw Nami enrhyn, Cook Isla Halifax, Ca Nieuwpoort, Bel Cananeia, ing Kurilsk, Takoradi, eimsjo, 1 Narvik, Ilha Fisca rince Rupert, Bay/North Poin Walvis Bay, Zeebrugge, Quepos, 8 0 -5 ťzn/ Quarry -10 Bluff/Sou -15 Location



Glacial Isostasy



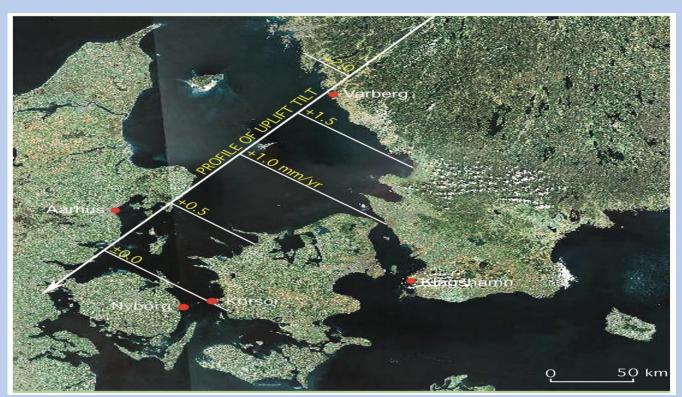
Tectonics in the Baltic



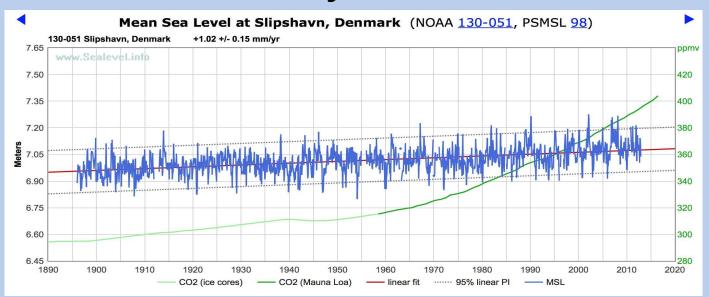


Baltic Tectonic Detail

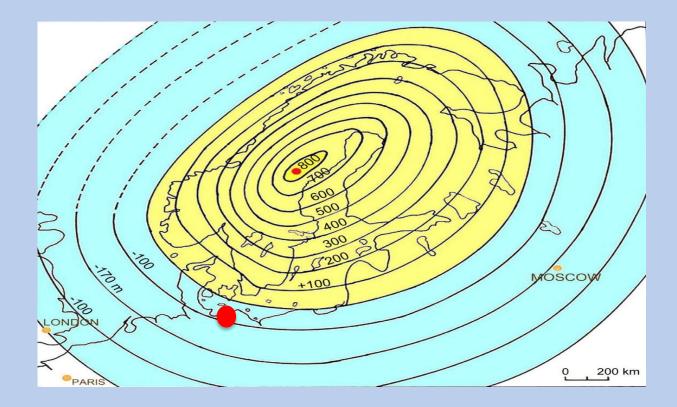




Massive 38% CO₂ Increase Since 1880 Any sign of Sea-Level Rise Accelerating in Tectonically Inert Areas?



Tectonics in the Baltic



Tide Gauge Cross Validation

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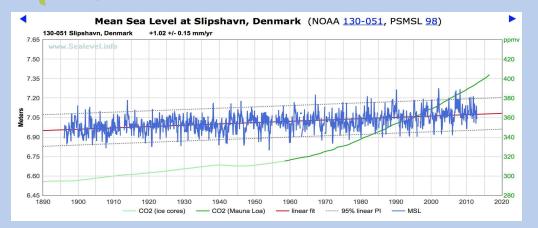
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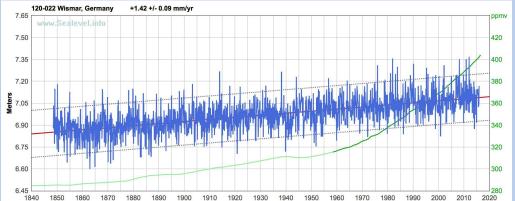
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20,000 years ÷ 80 **Meters** Yields Δ **Annual SLR** of 0.4mm

C The Future of Boston?



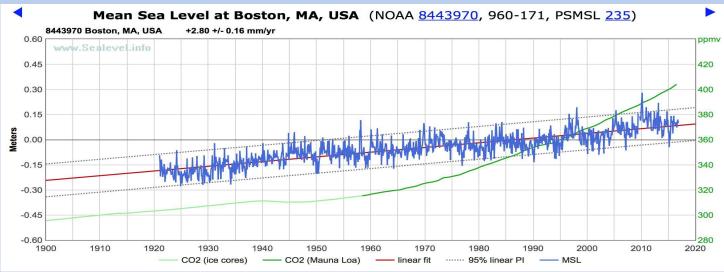


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Massive 38% CO₂ Increase Since 1880

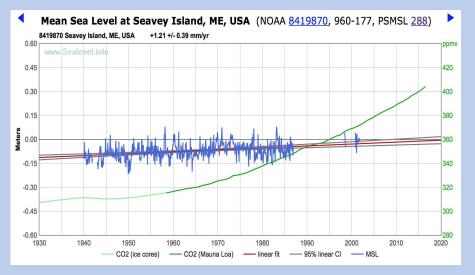


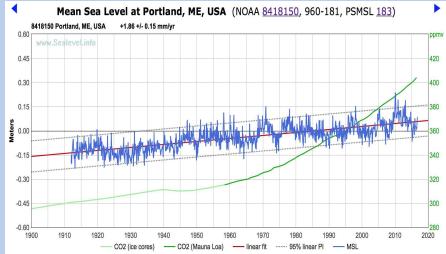
Guess Again: Boston's Sea-Level Rise is Linear!!!)





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



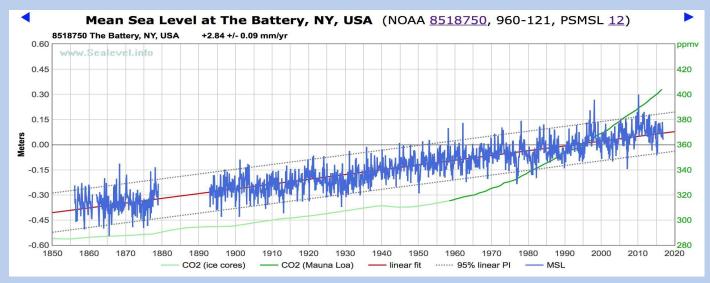




Massive 38% CO₂ Increase Since 1880



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





Massive 38% CO₂ Increase Since 1880

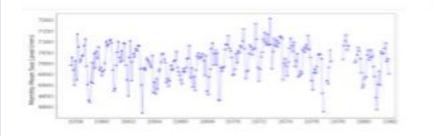


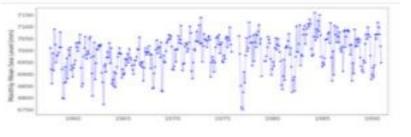
<u>Any</u> sign of Sea-Level Rise <u>Accelerating</u> in The New York City Region?

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

Port Jefferson, NY

New Rochelle, NY





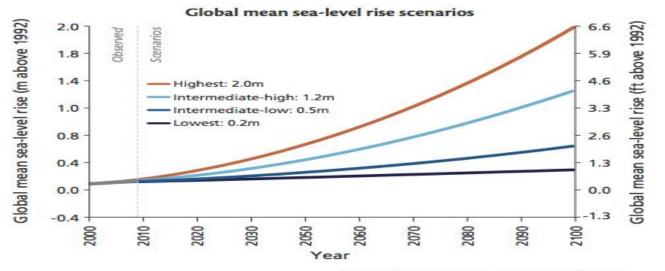
http://www.psmsl.org/data/obtaining/stations/856.php

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

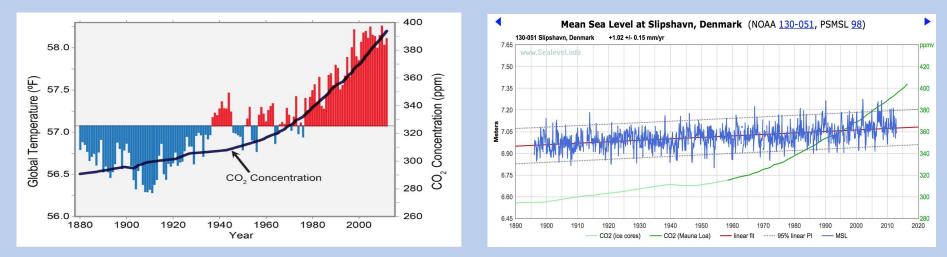
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Massive 38% CO₂ Increase Since 1880 Why Should Sea-Levels Rise NOW?



Sea-level rise scenarios developed for the National Climate Assessment.¹⁸

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



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

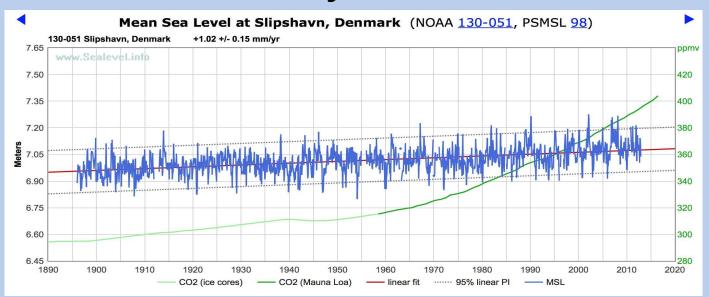


NYC's Real Future





Massive 38% CO₂ Increase Since 1880 Any sign of Sea-Level Rise Accelerating in Tectonically Inert Areas?



Sea-Level Rise & CO₂

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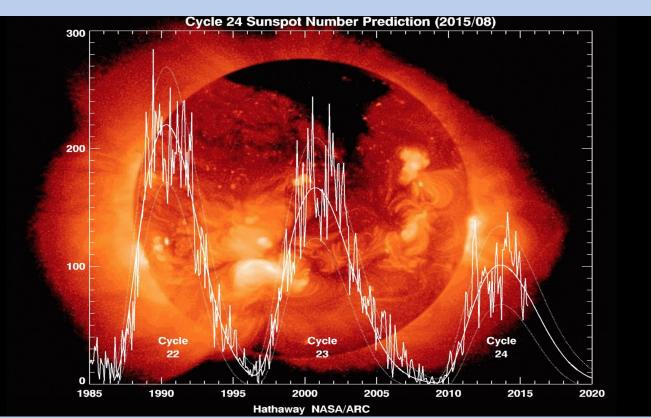
Weather & CO₂

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Solar Activity



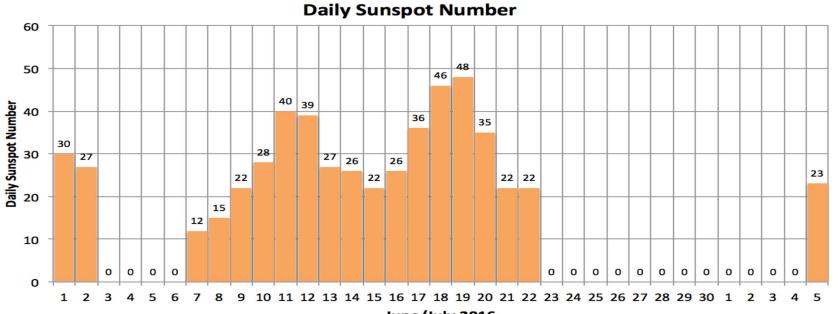






June-July 2016 Sunspot Activity





June/July 2016





Measuring the Measurements

Measure - Calibrate - Validate

In GOD we trust!!!

All others bring DATA





Measuring the Measurements

Measure - Calibrate - Validate

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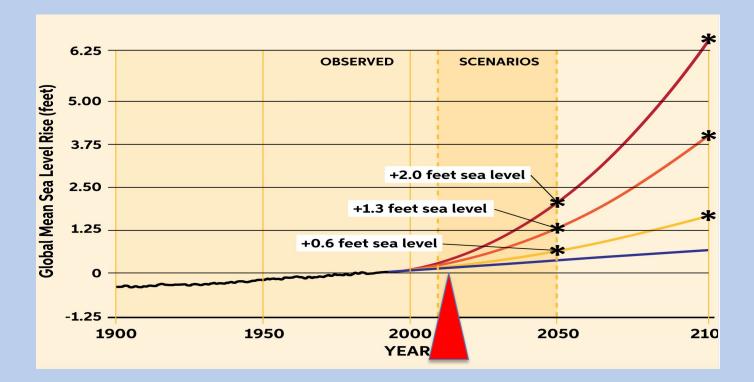




Every model claiming SLR/CO2 acceleration linkage is on its way to Failure including USACE, the 2014 National Climate Assessment, State versions of the same, all showing over 6 feet of various CO₂ driven Sea-Level Rise scenarios by Century's end!

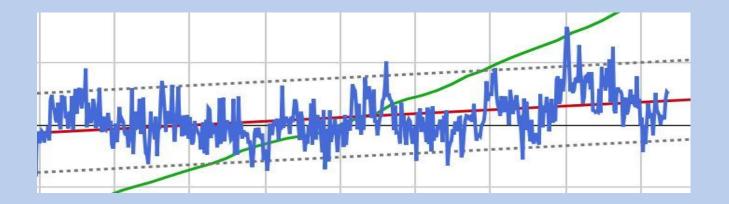


NH CRHC Sea Level Rise Scenarios (2016)





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.









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©

Presentations by Tom Wysmuller

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