Climate Change research that CO2 increase it is caused by loss of vegetation.

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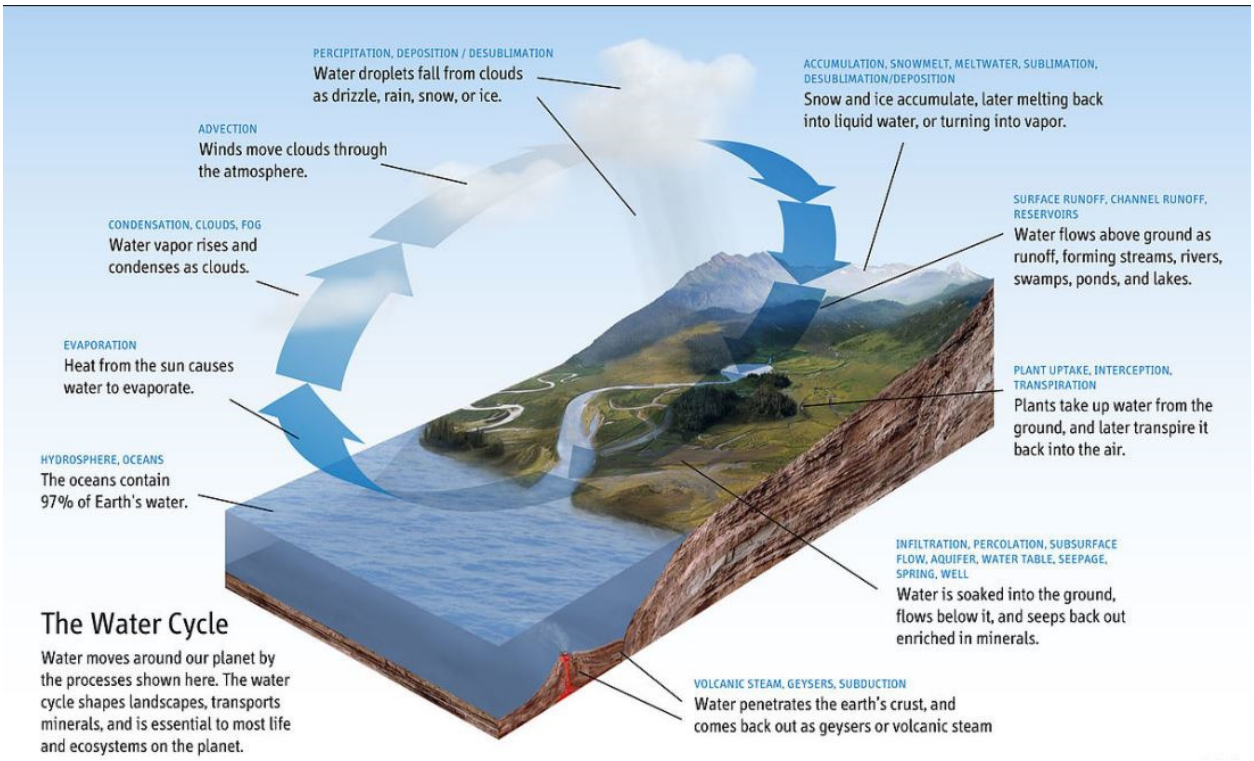
ABSTRACT

Climate Change is said to be human caused by burning fossil fuels. I will show facts to prove this is nonsense. One-sided science is not correct science. To date there has been no government funding for the side of science I am presenting. All the research grants have been to show some correlation of man's burning fossil fuels as a main cause of climate change. There have been no grants for this research. I welcome grants to finish this work. Everything in this paper can be found online doing a Google search. The total of those so-called greenhouse gases is less than 0.05% and the molecules diffuse through the six layers of atmosphere. I will also show that the Earth's temperature follows a cycle which is normal in nature. The only human cause which correlates, is the devastation of the rain forests in South America. The rain forests are known as "the Earth's Lungs" They previously provided 20% of the Earth's Oxygen. Now that amount has been cut by 15% to 20%. Therefore, CO2 is increasing. Also, CO2 PPM is measured close to earth at 3400 meters above sea level. CO2 like all gases diffuse until they are equal-distant to each other in the space they are contained.

1. INTRODUCTION

First, I will show some data that should be familiar to everyone. I will show the normal water cycle and photosynthesis. I will also discuss the salinity of the ocean and its effect on evaporation of water.



It is well-known that as the ocean gets less salty the evaporation rate of water vapor increases dramatically. Anyone can discover this by a simple water boiling test with different salt concentration. The concentration with the lowest salt concentration will boil at a lower temperature then the higher salt concentrations. The higher concentration makes the water harder to vaporize. The lower concentration causes the water to vaporize more easily. Therefore, if glaciers melt then the ocean will get less salty and more clouds will form, bringing more rain and snow. Also, the sun will be blocked with more clouds and increase the cooling effect. (7)

So there exist two drivers for evaporation increase:

1. Warmer ocean
2. Desalination.

As the ocean surfaces area increases there is more evaporation area for the increased evaporation to occur.

> Two drivers, so evaporation is going much faster until the ocean cools and the saltiness increases to normality This keeps the ocean level constant from a climate change perspective. I present that data later in this discussion.

DATA

Photosynthesis is a process by which a plant takes in CO2 and makes more plant with the Carbon. Then exhales the O2 for us to breathe. This process is called oxygenic photosynthesis.

$CO_2 + 2H_2O + photons \rightarrow [CH_2O] + O_2 + H_2O$

The photons are light from the sun or artificial. The Products from this process are more plant (CH_2O) O_2 oxygen (O_2) + water (H_2O). The more Carbon dioxide available the faster a plant will grow. Of course, this growth process is limited by heat, light, water, soil condition among other factors. If we had extra CO_2 then the plants will grow faster. I have asked many professional gardeners if they see the plants growing faster now then previously. The answer is always no. So, we don't have any excess C02.

So then why has the CO_2 level in the upper atmosphere increased from 0.03 to 0.04%? The most likely cause of this is countries like Brazil cutting down massive rain forests. (1),(2) Previously (before 1950) the earth received 20% of its oxygen from the Amazon and thus the name "the world's lungs". In stark contrast, the continual burning of the rainforest produces about 30% of the Earth's carbon emissions. The rain forest is cleared to use for farming. By the equation above this means it consumes 20% of the CO_2. As acre upon acre are destroyed this increases world CO_2 dramatically. This is the main reason the CO_2 is higher now than in 1950. The world climate accord did not address this as they should have.

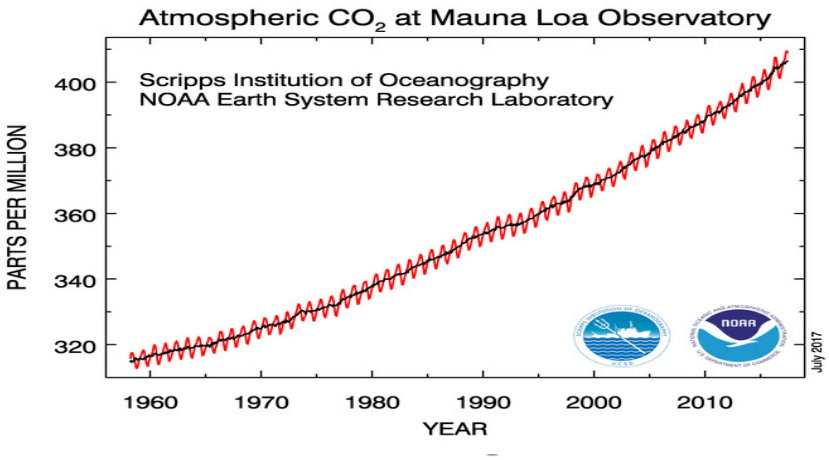
1 Hectare= 2.47 acres

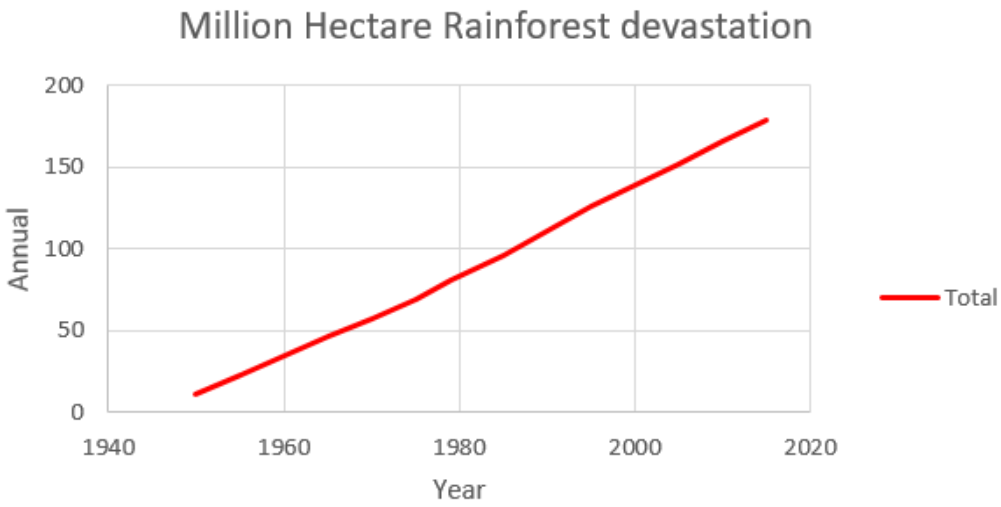
1950-1979
Tropics: -318M ha
Temperate: -18M ha
Total 11.6M ha/yr

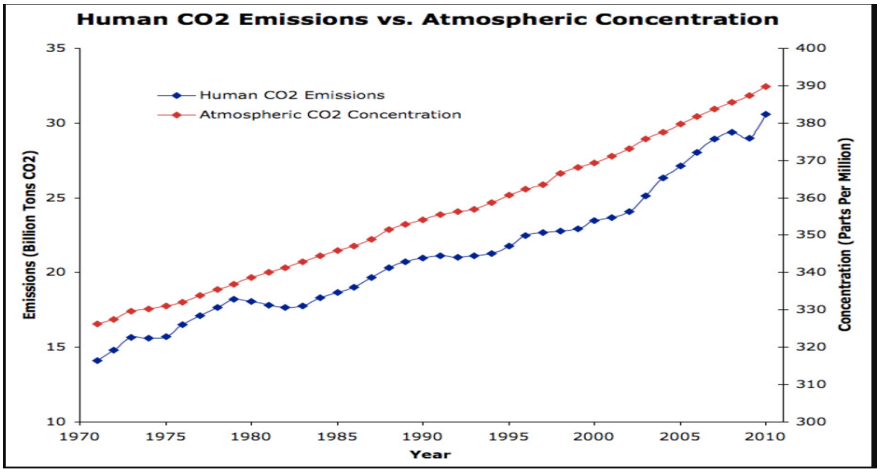
1980-1995
Tropics: -220M ha
Temperate: -6M ha
-226M ha total or -15.1M ha/yr

In 2011, FAO pegged tropical forest loss at 11.33M ha/year in the 1990s and 9.34M ha/year in the 2000s). It had global forest loss at 16M ha/year in the 1990s and 13M ha/year in the 2000s.(3)

Graphically it looks like this. Compared to the CO_2 data the aggregate amount of CO_2 scavenging loss from the rain forest devastation looks quite similar to the increase of CO_2 at the Mauna Loa Observatory. Compared with the familiar CO_2 Emissions vs CO_2 PPM. This data is up to 2013. (4)







Molecule diffusion of gases.

Gas molecule action is given by PV=nRT.

All gases diffuse from high concentration into the space (lower concentration) they are in. For example, when you light a fragrant candle in the corner of the room. Soon the smell fills the room. This is diffusion from high concentration to low concentration. This diffusion occurs until all the concentration is the same. For gases, this is when all molecules are equidistant to each other.

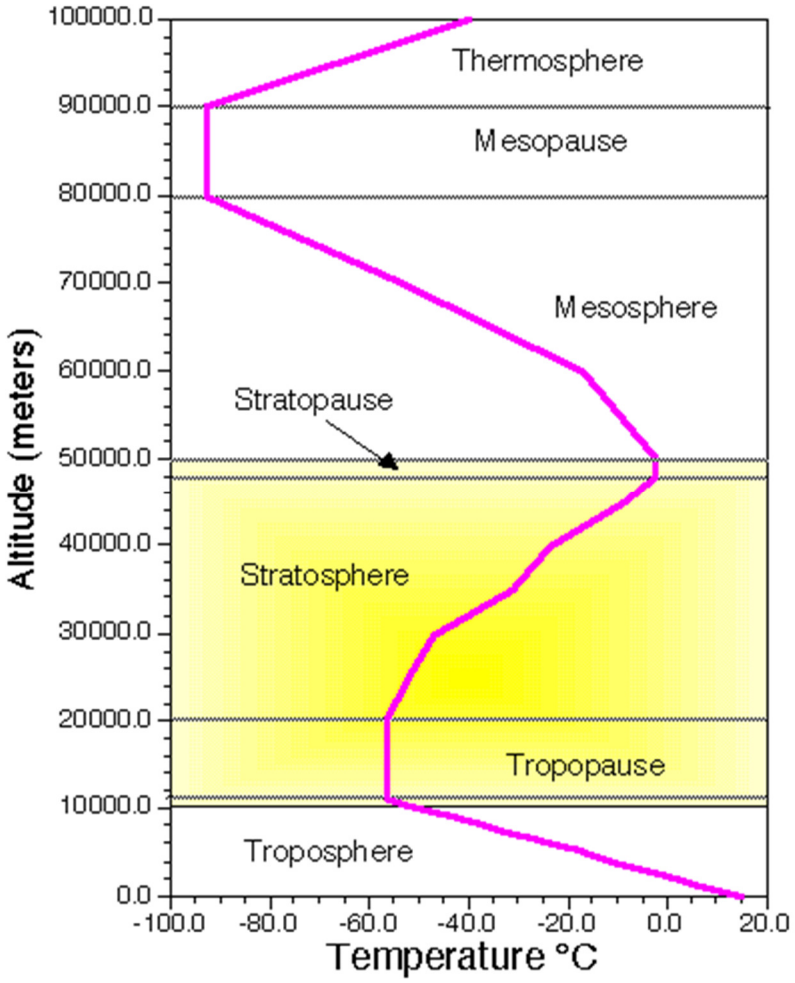
P=upper atmosphere pressure (Pa)
V=volume in liters
n=amount of material
R=gas constant = 0.0821 L-atm / mole-K
T=Kelvin temperature

Average Pressure in the troposphere is 500mb or 0.50 atm.
Average temperature in the troposphere is -25°C This is 248.15° Kelvin.
V is 1E7 liters. The troposphere is 10k meters high. We will take a unit area of 10k meters high by 10k meters wide by 10k meters long. $10m^3$is 1E7 liters.
So V=1e+07L, the total volume of the troposphere is 18.0 billion cubic meters. So, there are 1,800 of our unit areas in the troposphere.

We calculate the amount of gas. 410ppm CO2 is 0.00854 mole/liter, 1E7 *.0.00041=410,000 liters of CO2. We have 1E7 liters for this to diffuse into. This a ratio of 1:24. This is just the Troposphere!

This same CO2 diffuses past the Troposphere Through the other 5 layers. The concentration gets lower and lower as it rises toward space until it gets higher in the exosphere. This concentration will get higher and higher until we do something to bring it down. We cant bring it down by lowering our carbon footprint. We can only bring it down by planting trees and plants that scavenge carbon dioxide.

The freezing point of Carbon Dioxide at Earth crust is -78.5C (The Green area) At much lower pressure below 140 mb the freezing point is below -100C (The Yellow area). The pressure in the Mesopause is below 1mb, so it won't freeze and form a barrier. (5)(6)


Thermosphere
Mesopause
Mesosphere
Stratopause
Stratosphere
Tropopause
Troposphere
Altitude (meters)
Temperature °C
100000.0
90000.0
80000.0
70000.0
60000.0
50000.0
40000.0
30000.0
20000.0
10000.0
0.0
-100.0
-80.0
-60.0
-40.0
-20.0
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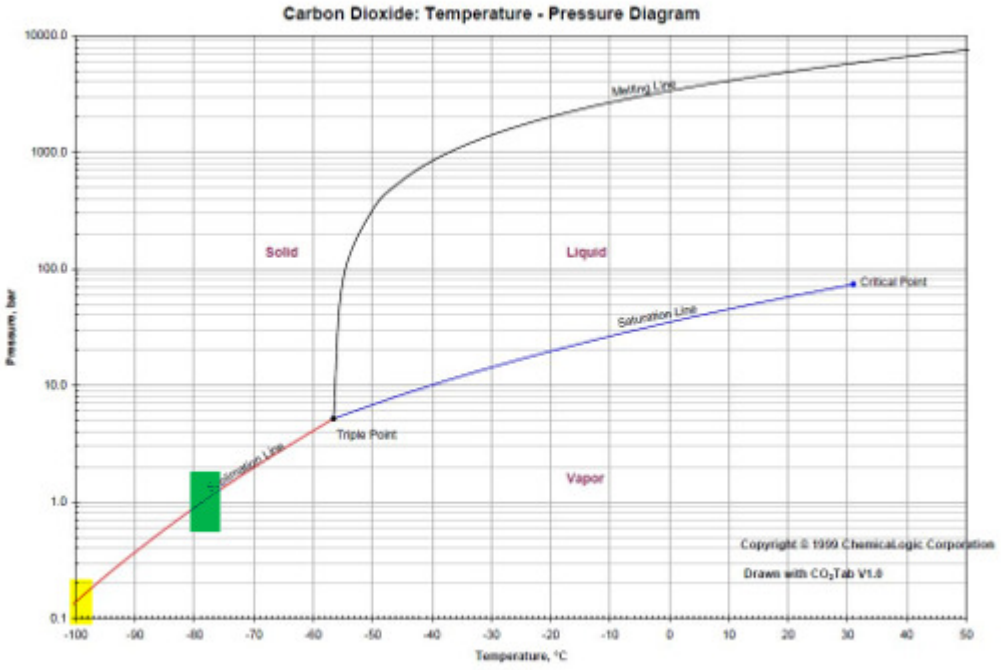
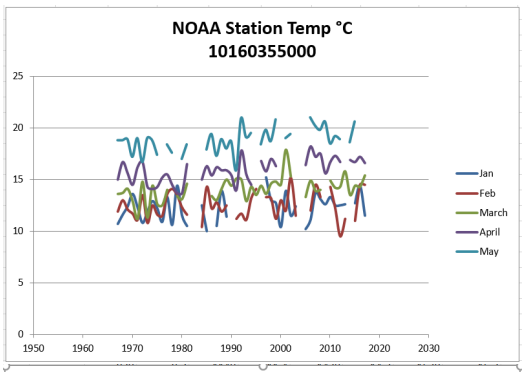
20.0

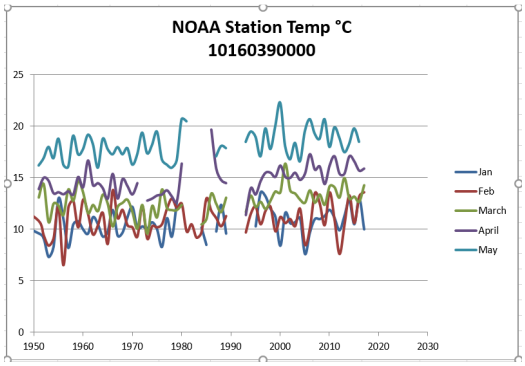

Carbon Dioxide: Temperature - Pressure Diagram
Solid
Liquid
Vapor
Critical Point
Triple Point
Saturation Line
Pressure, bar
Temperature, °C
Copyright © 1999 ChemicaLogic Corporation
Drawn with CO2Tab V1.0

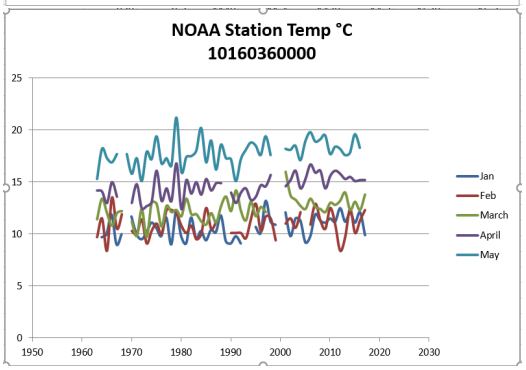
Temperature through the 6 layers of Atmosphere.

NOAA data

I downloaded all the NOAA stations data from all over the world since 1880. All 468000 data points. I graphed them for the data since 1950 since the data prior to 1950 were not consistent and not taken very well. The only data manipulation in this data set was to eliminate the zero data points so the graphs will look continuous except where there exists no data. I also am doing a blind study and only graphing them by station ID. I do not know where each station is. I downloaded this data in June of 2017. For this reason, only station data through May 2017 is shown. As you can see from these 3 stations the temperature goes up and down with a very slight increase in T over a 67-year period. No scientist knows if that is a sinusoid either. It could start going down anytime. Also you can see that the January data in two of the 3 graphs shows the earth is cooling now.





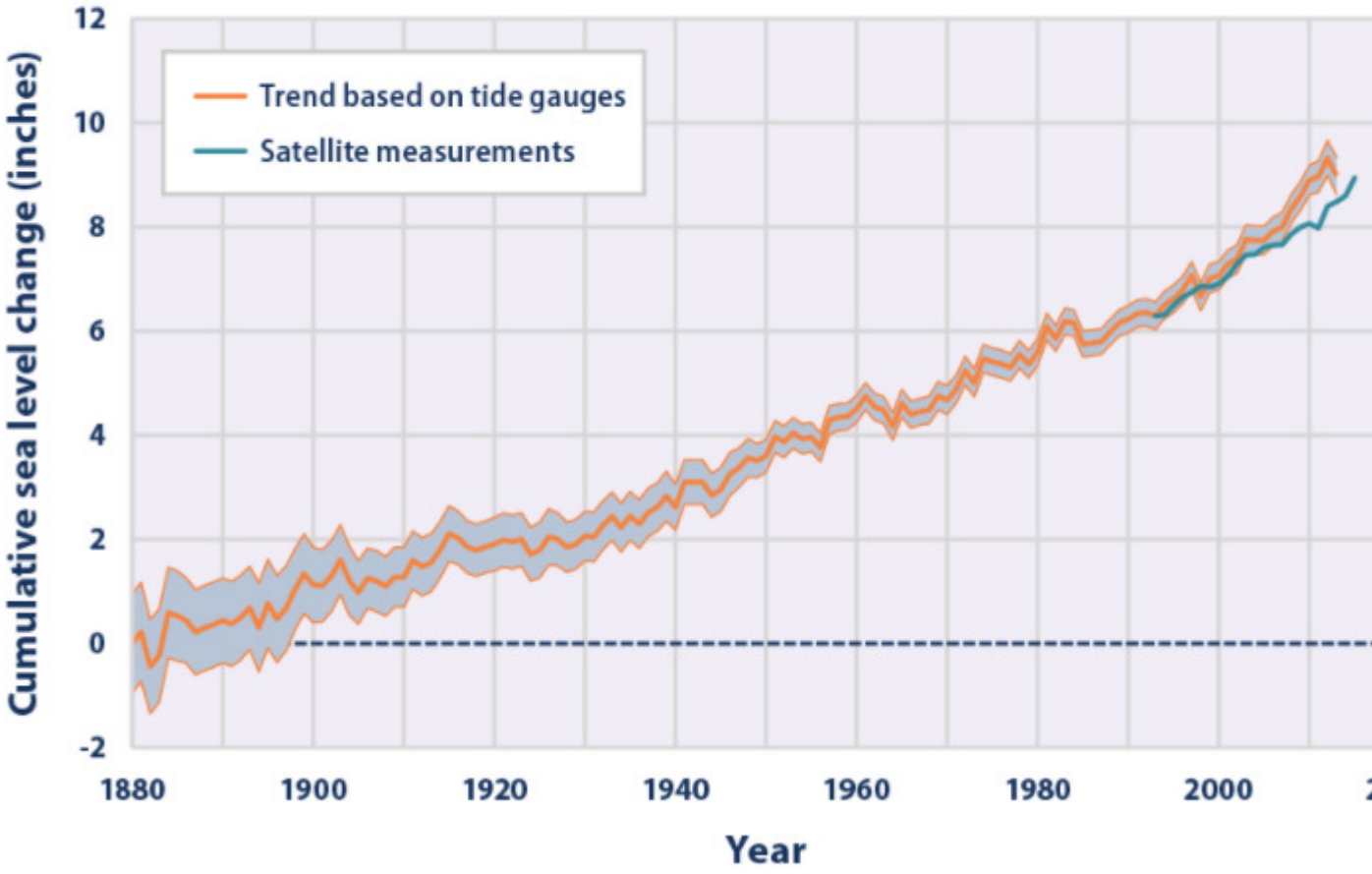


Sea Level Rise

It is said the sea level is rising. This is true. About 9" since 1870. (8) This is clearly caused by sedimentation. See the below graph and notice the left scale is in inches to enhance the picture. As the oceans rise the surface area expands and the increased evaporation rate will cause the amount of evaportation to increase due to the increased sea surface area. As the oceans warm the evaporation rate increases dramatically. This sea level rise will start to fall in the next few decades.

Notice also the rate of rise is almost constant. Especially when viewed by satelite. At this rate it would take another 450 years to reach the 3 foot rise predicted by Al Gore in 2006.

Figure 1. Global Average Absolute Sea Level Change, 1880–2015



CONCLUSION

This report has shown a strong corelation of CO2 scageing loss to the observed increase in CO2. As acre upon acre are destroyed this increases world CO2 dramatically. This is the main reason the CO2 is higher now than in 1950. The world climate accord did not address this as they should have. More study needs to be done to corelate this better. I welcome comments.

(References)

1. **http://www.tropical-rainforest-facts.com/Amazon-Rainforest-Facts/Amazon-Rainforest-Facts.shtml**

2. **https://www.nature.com/scitable/knowledge/library/effects-of-rising-atmospheric-concentrations-of-carbon-13254108**

3. **Rhett Butler rhettbutler@wildmadagascar.org.**
(https://news.mongabay.com/2011/02/forest-loss-slows-as-un-marks-international-

year-of-forests/
4. https://skepticalscience.com/print.php?r=384

5. http://www.atoptics.co.uk/highsky/hmeso.htm

6. http://www.chemicalogic.com/Documents/co2_phase_diagram.pdf

7. https://en.wikipedia.org/wiki/Water_cycle

8. https://www.epa.gov/climate-indicators/climate-change-indicators-sea-level
(Warning this page has lies on it. Since 1990 the rate of rise is 0.09 inches per year. They say 0.11 to 0.14 inches per year which is a lie.