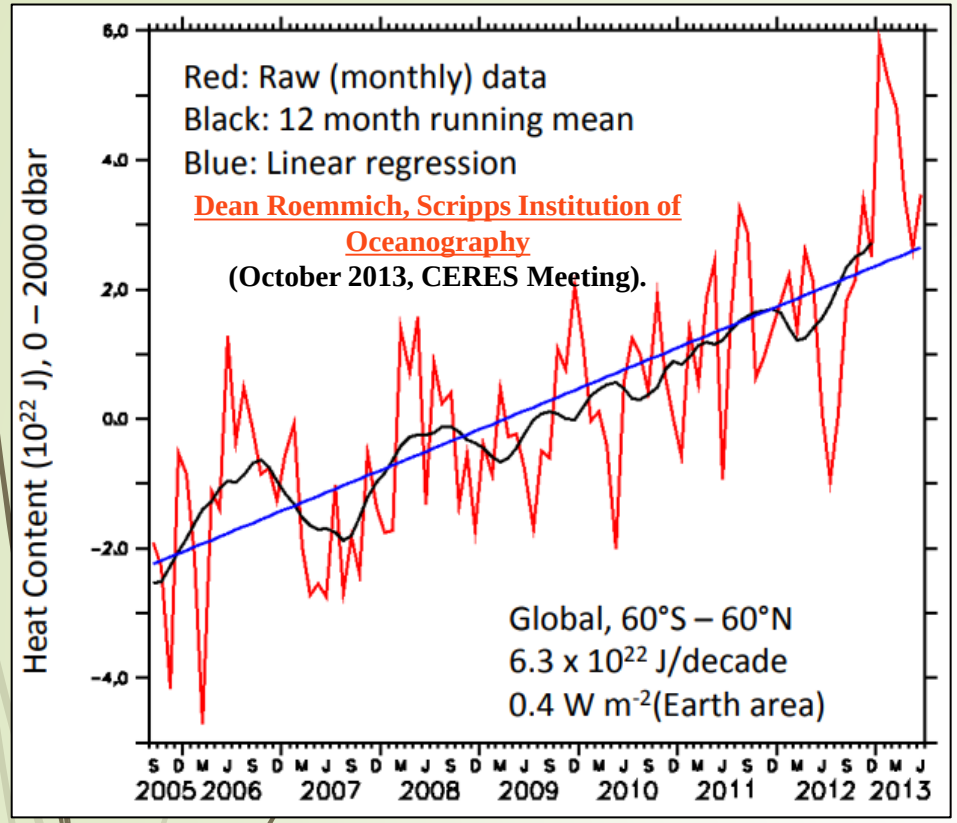
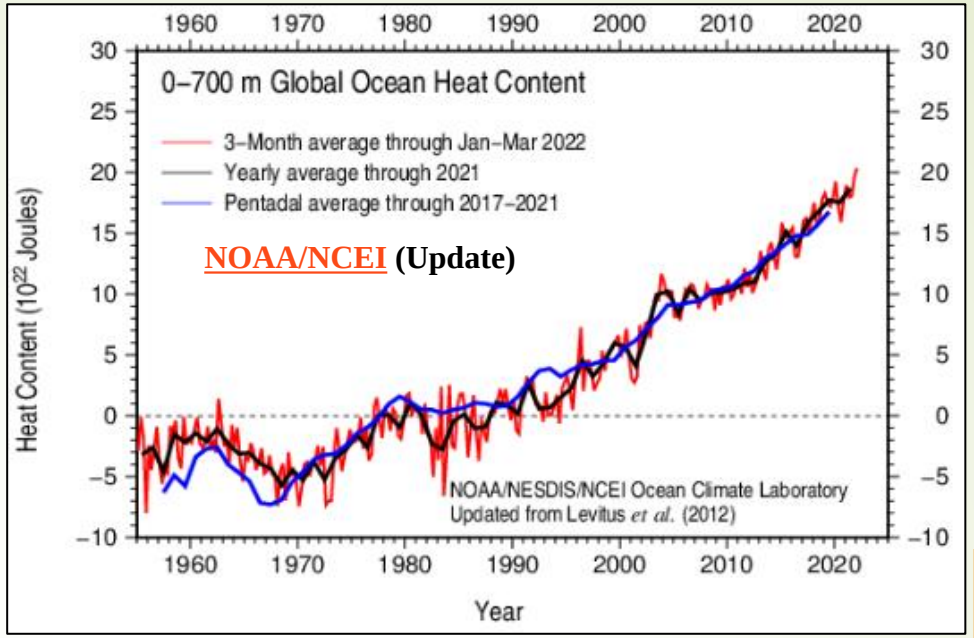
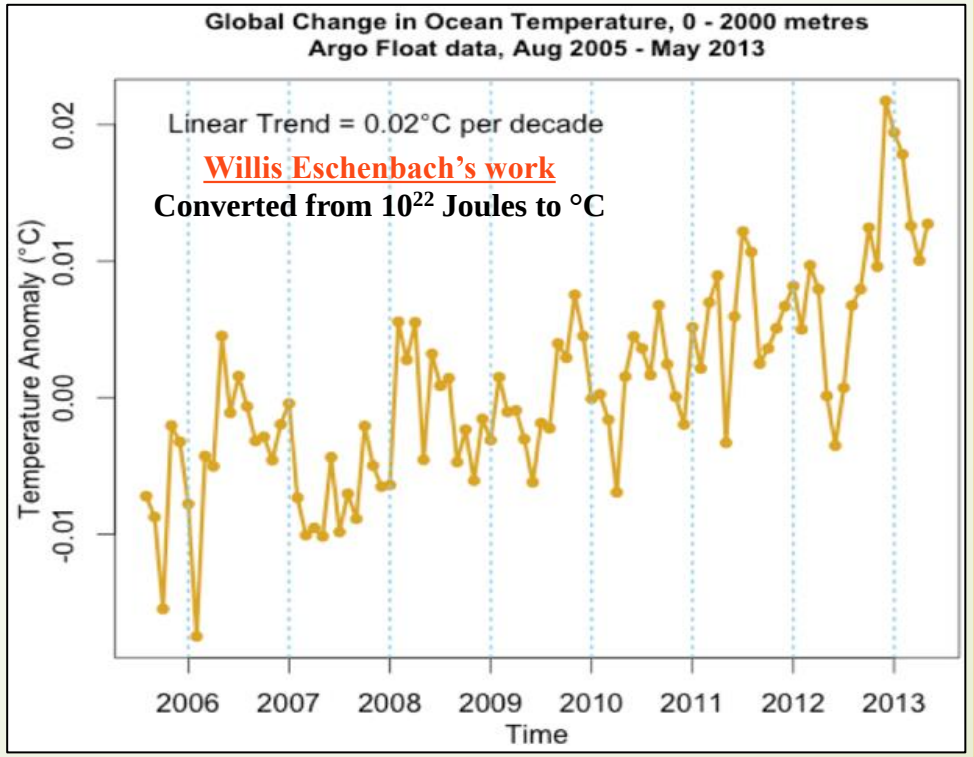
GSM – Grand Solar Minimum. You really should do the Research!

OPS-64 The Oceans Are Boiling





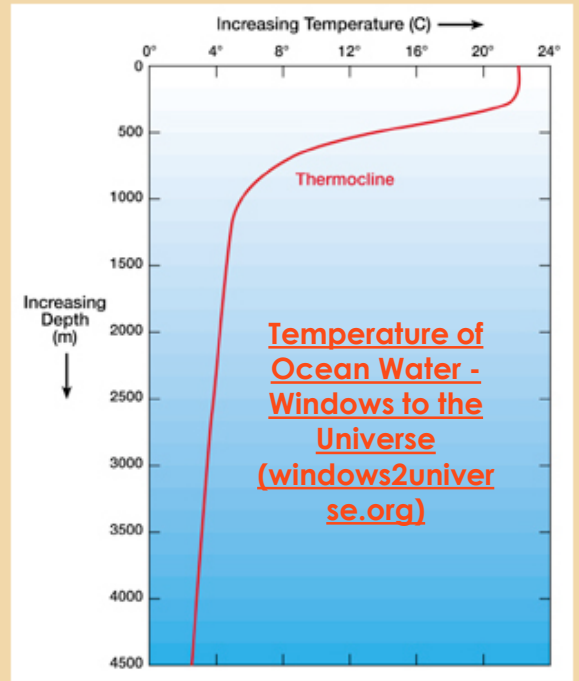


Ocean Heat Content

As media often proclaims, the ocean heat content has been rising (as shown in the two charts above). What they do not show you is the conversion of 10^{22} Joules to a more recognizable unit, °C. Ocean Heat Content (OHC) is rising but at a rate equivalent to 0.02 °C/decade. The warmest ocean waters are around 36 °C. So, we should reach the boiling point roughly 32,000 years from now. Of course, that assumes we are not already in the middle of a deep ice age (as expected based on the Milankovitch Cycles). The oceans do affect the atmospheric temperatures, but they cannot make the atmosphere warmer than the oceans. As per standard thermodynamics, heat flows in one direction, from warm/hot to cool/cold. The ocean is not boiling and the atmosphere is not super-heating. And they will not be in the future.

More info is available on my website (with links).
climatechangeandmusic.com

Al Gore (at the recent World Economic Forum (WEF, January 2023)) declared CO_2 emissions, "that's what's boiling the oceans". Just one Inconvenient Fact, the oceans are not boiling (as shown in the schematic below). In fact, 90% of the ocean's water is below the thermocline and is less than 5 °C. A long way from the boiling point of water (100 °C). So, will the oceans boil away? No, Al they will not.



This is a simple temperature-depth ocean water profile. You can see temperature decreases with increasing depth. The thermocline are layers of water where the temperature changes rapidly with depth. This temperature-depth profile is what you might expect to find in low to middle latitudes. Click on image for full size
Windows to the Universe original image