

Abstract Submitted
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Oceans: No Global Warming Hiatus PAUL H. CARR, AF Research Laboratory Emeritus — Ninety percent of the earth’s heat content is in the oceans. When NOAA used the more accurate temperature data from thousands of new ocean buoys, the so-called “hiatus,” or slowing of global warming since 1998, has disappeared (1). The older sea temperature data was taken from ships. New satellite data from over the Arctic, where there are few land-base temperature sensors, was also included. There has never been a “hiatus” in sea level rise, which is presently four times faster that of the last century. Half of the rise is from the ocean’s thermal expansion. The other half comes from the melting of Greenland, West Antarctica, and mountain glaciers. The recent mean sea level rise data taken from satellites is more accurate than earlier tide gage measurements. The satellite approach does not require combining data from thousands of sensors. The best measure of global warming is rising sea levels.

REFERENCE (1) Thomas R. Karl et. al. “Possible artifacts of data biases in the recent global surface warming hiatus.” *Science Express* sciencemag.org/content/early/recent / 4 June 2015 / Page 1 / 10.1126/science.aaa5632

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