

## NODC & Climate

The world's oceans play a major role in determining the Earth's climate. Our socioeconomic and environmental future depends on understanding climate.





- NODC maintains the history of the oceans and builds oceanographic databases used to understand climate variability and climate change.
- NODC produces quality-controlled datasets and relevant products that are among the most frequently cited in publications from both the climate and ocean science communities.
- NODC scientists have published studies showing that 80% of the warming of the Earth's climate system in the past 50 years has occurred in the world ocean, and that climate change in the ocean has played a major role in altering marine ecosystems.
- NODC is the national archive for all U.S. oceanographic data and also archives oceanographic data from other countries. These data are openly available to the public online, as well as on DVDs and other media.

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