

The 25-year study shows that rising sea levels are rising

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Research has been observed for decades and shows that sea levels are rising, in 2014, averaging 6.6cm higher waves than in 1993. To study sea level rise, researchers Research has observed wave height measurements for 25 years via satellites such as TOPEX / Poseidon and Jason's three satellites, as well as ground tide data and climate simulation maps and models.



In general, the researchers calculated that the seawater rate increased by about 0.08mm per year. If left unchecked, this trend could increase at least 10mm per year by the end of the century, which will cause much destruction for coastal cities around the world.

Steve Nerem, the project's leading researcher, said: *"This acceleration, mainly due to the rapid melting of ice in Greenland and Antarctica, is likely to double sea level rise by 2100 compared to the The forecast has a constant rate - above 60cm instead of about 30cm "* .

Gary Mitchum, co-author of the study, said: *"Tidal measurements are necessary to determine the uncertainty in the acceleration of GMSL (global average sea level) acceleration. Unique price for satellite devices from the*

ground ".

Researchers say their findings are just the beginning. The 25-year period studied so far is long enough to find acceleration, but other data will also be collected by Jason-3 project and other sea-level satellites, as well as stations. more advanced ground.

The work of the research team attracted the participation of scientists from the Institute of Environmental Science Research Cooperation (CIRES), University of Colorado Boulder, University of South Florida, NASA Goddard Space Flight Center, Old University Dominion and the National Center for Atmospheric Research.

This research is published in the journal Proceedings of the National Academy of Sciences.

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