

## Image: Snow-covered northeastern United States

February 19 2015, by Mike Carlowicz

---



Credit: NASA/Jeff Schmaltz, LANCE/EOSDIS Rapid Response, NASA Goddard Space Flight Center

Yet another potent winter storm battered the northeastern United States on Feb. 14-15, 2015. The nor'easter brought 12 to 20 inches (30 to 50 centimeters) of snow across much of eastern New England, along with tropical storm force winds over 60 miles (100 kilometers) per hour. The

latest snowfall pushed Boston to its highest monthly total on record—58 inches and counting—and its third highest yearly snow total.

This image shows the snow-covered northeastern [states](#) as observed on Feb. 16, 2015, by the Moderate Resolution Imaging Spectroradiometer (MODIS) on NASA's Terra satellite. Cloud streets over the Atlantic Ocean in both images hint at the potent winds blowing across the East Coast from the Canadian interior. Following the blizzard, temperatures dropped as low as -30 degrees Fahrenheit (-34° Celsius) in parts of New England.

What the images do not show is snow depth. With the latest storm, nearly 8 feet (2.4 meters) of snow has fallen on the city of Boston in just three weeks. With temperatures persistently below freezing, very little snow has melted. According to National Climatic Data Center statistics the snow depth just south of Boston was roughly 42 inches (107 centimeters). Totals were above 30 inches (76 centimeters) in many locations in Maine, New Hampshire, and Massachusetts.

As of Feb. 17, the snow depth near Boston was greater than in all but two reported locations in Alaska. It was significantly higher than the notoriously snowy states of Michigan, Wisconsin, and Minnesota. Only Buffalo, New York, had a higher snow pack.

On Feb. 16-17, more [snow](#) and ice fell across the eastern United States from northern Mississippi all the way to Maine.

Provided by NASA

Citation: Image: Snow-covered northeastern United States (2015, February 19) retrieved 12 May 2024 from <https://phys.org/news/2015-02-image-snow-covered-northeastern-states.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.