

NOAA Storm Surge Probability

The Tropical Cyclone Storm Surge Probabilities show how likely that the specified storm surge height will occur during the forecast period indicated. The probabilities are based on errors during recent years in the official track and intensity forecasts issued by the National Hurricane Center (NHC). Variability in storm size is also incorporated. Storm surge values used in the calculations are produced by the Sea, Lake, and Overland Surges from Hurricanes (SLOSH) model.

Coverage area & data available

- Coastal US surge data for tropical cyclone events
- Notable historical events available through 2005

Update frequency

Event data is updated every 3 to 6 hours during active events.

Enhanced columns

We enhance your data with one column that you can view and filter by:

- P-Surge (10%)(NOAA) [Date/Time]

What the data means

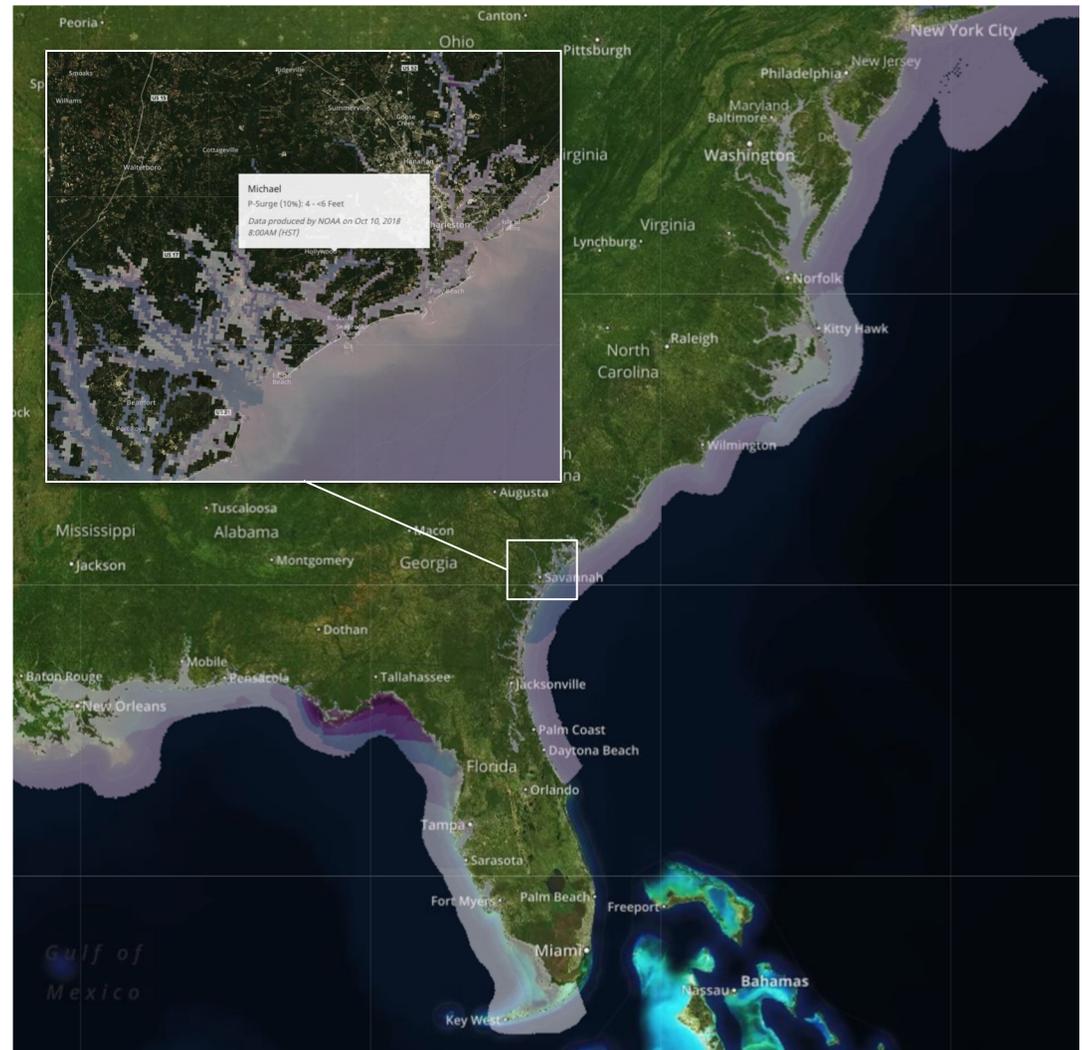
SpatialKey presents the 10% exceedance probability surge heights, which is the worst-case scenario presented by NOAA. This estimates storm surge (with tide) heights in feet above ground level with a 1-in-10 chance of being exceeded.

Exported Columns

The models you enhanced your data with will be available in exported CSV files as:

- NOAA P-Surge [Provider Version]

When you download your enhanced data, look for the columns that start with the "Provider Name", then the "Peril Name", and ending with the "Provider Version". For example, "NOAA P-Surge 1630358603".



Learn more about NOAA Storm Surge data at <https://www.nhc.noaa.gov/>

