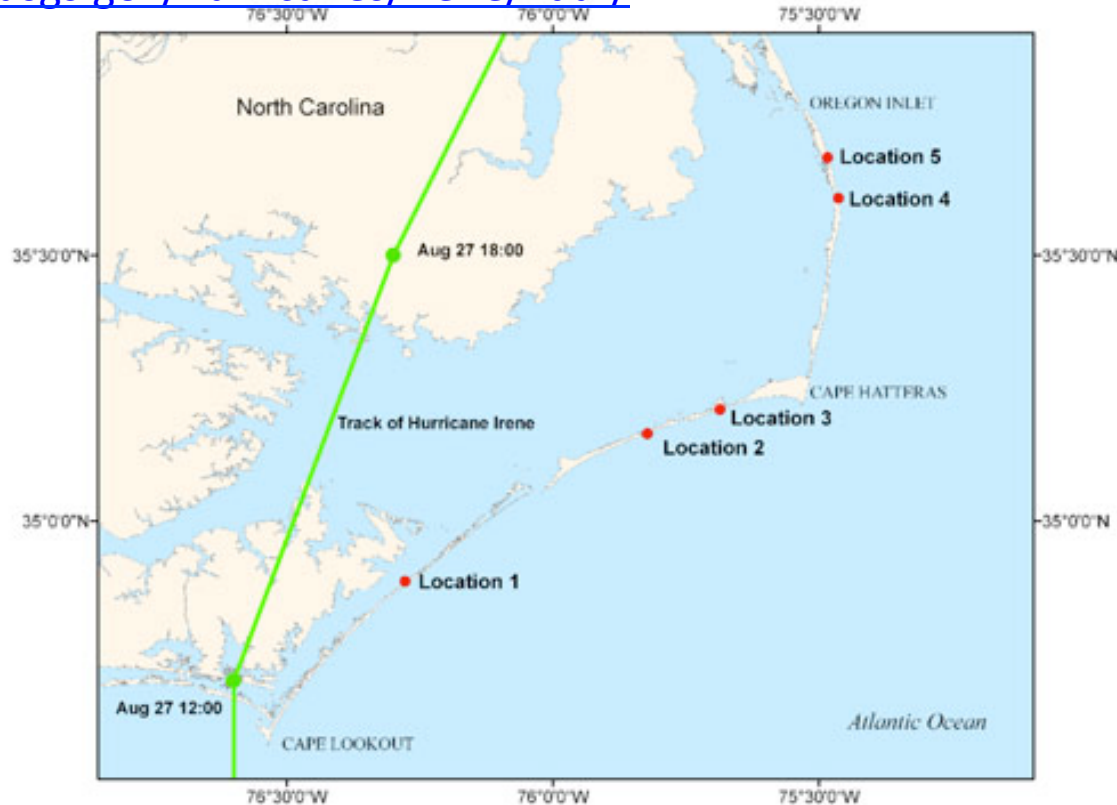


Location index for pre-storm and post-storm LIDAR elevations for the Outer Banks, NC (Location 4 on map). Each location includes pre- and post-storm topography as well as topographic change. The green line shows Hurricane Irene's track.

<http://coastal.er.usgs.gov/hurricanes/irene/lidar/>

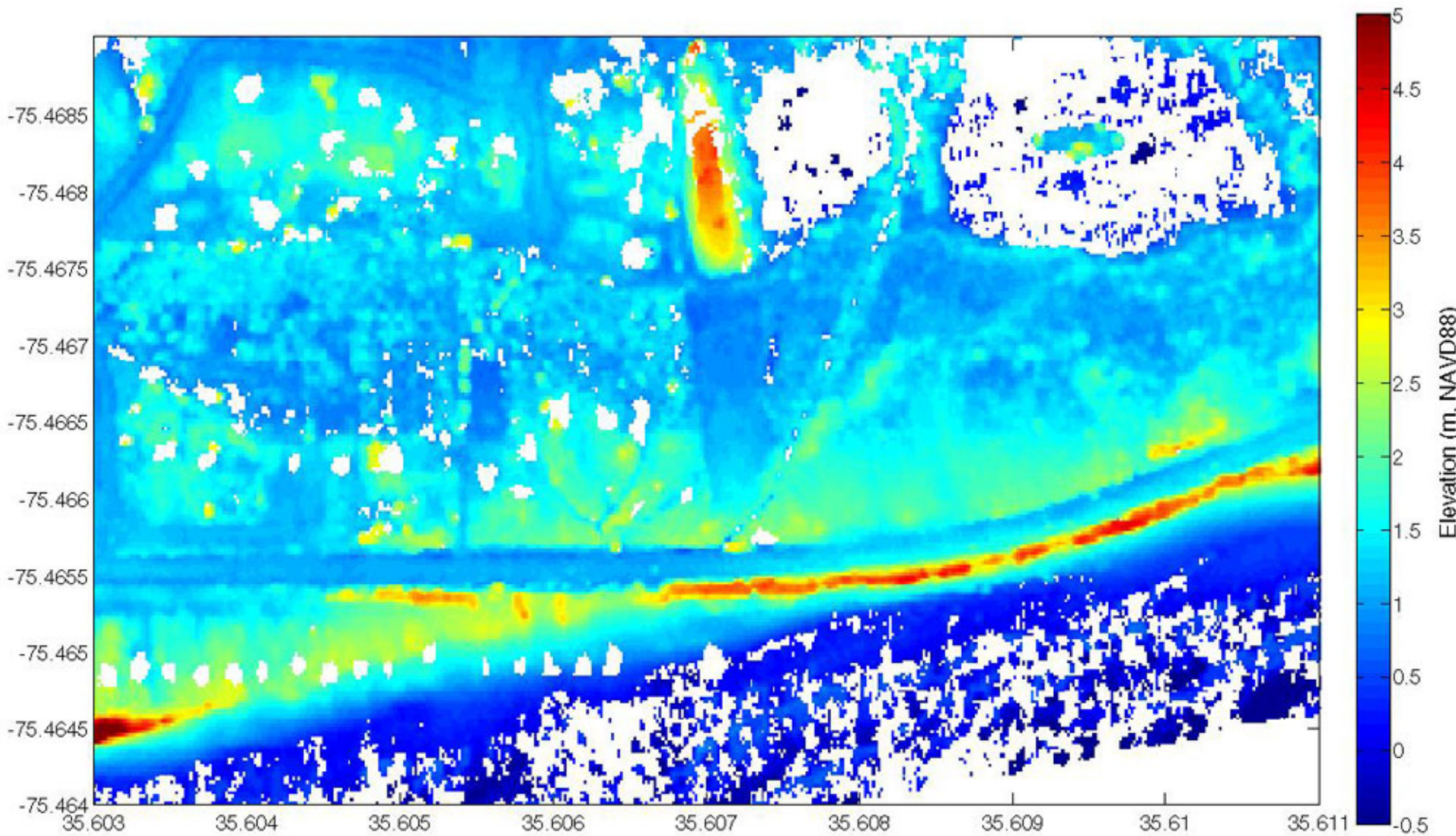


On the elevation images below, red colors indicate topographic highs, while blues indicate topographic lows. The differences between the pre- and post-storm elevation data sets show where significant changes have occurred. Red colors indicate erosion. For example, oranges and reds on the seaward side of the islands indicate widespread shoreline retreat. (In each image, the Atlantic Ocean is on the bottom right.) Blue colors show areas of accretion, such as overwash deposits where waves and surge have moved sand landward.

Before and After Hurricane Irene Aerial Photographs

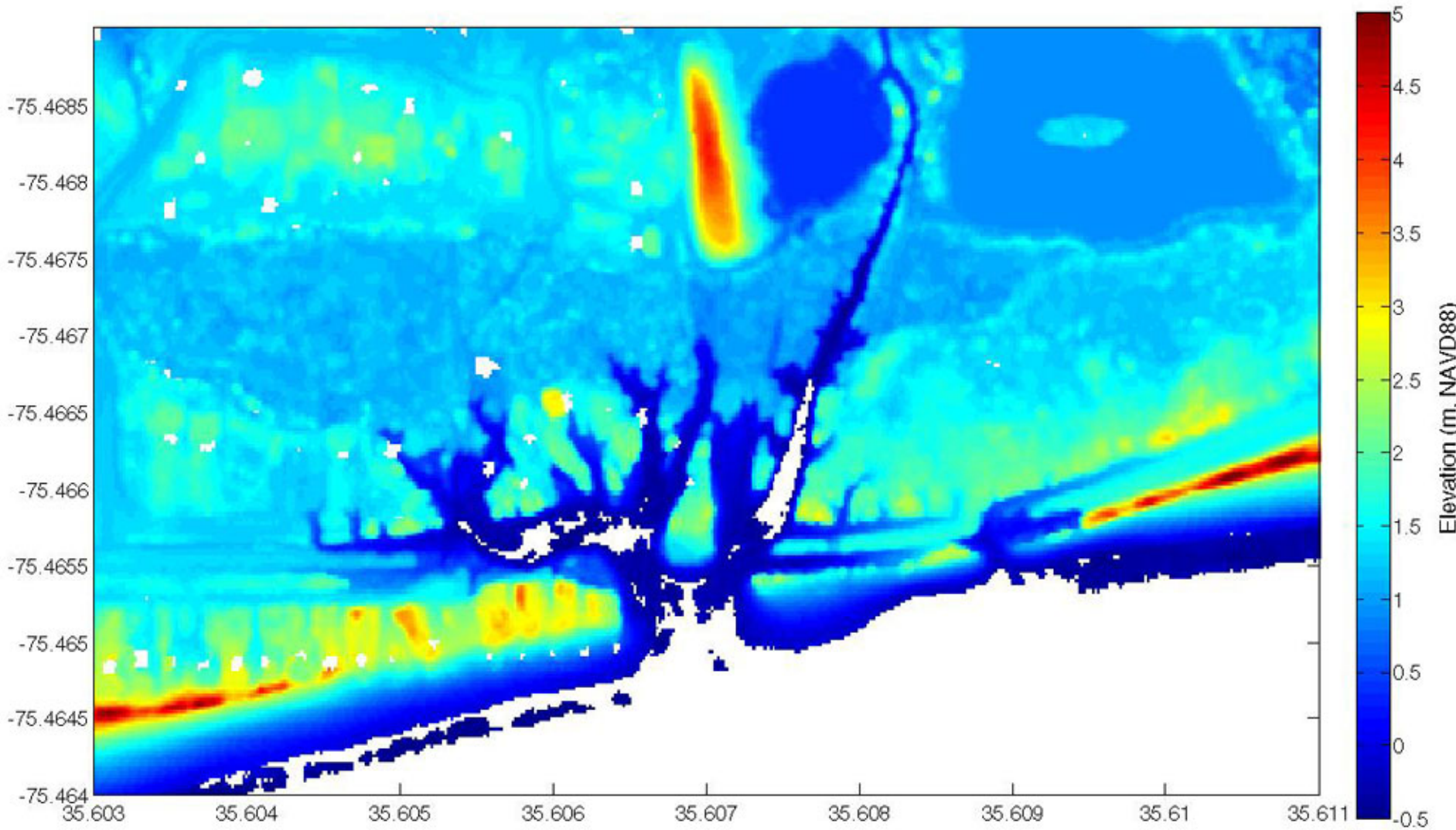


November 27-December 1, 2009 (pre-storm) Outer Banks near Rodanthe, NC



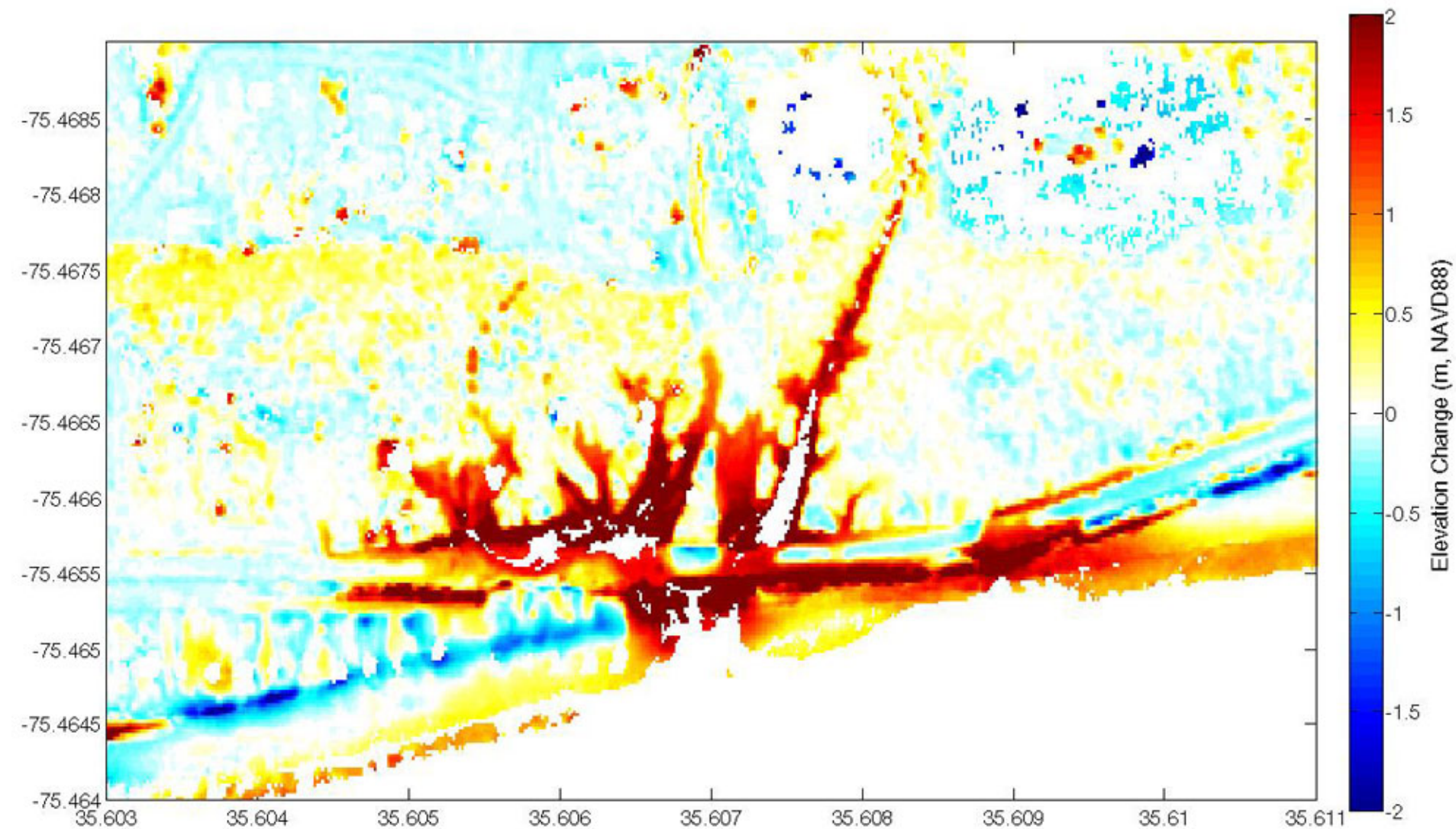
RED = HIGH, BLUE = LOW

August 28-29, 2011 (post-storm) for a portion of Outer Banks near Rodanthe, NC



RED = HIGH, BLUE = LOW

Topographic change (difference) for a portion of Outer Banks near Rodanthe, NC



RED = EROSION, BLUE = ACCRETION

<http://coastal.er.usgs.gov/hurricanes/irene/photo-comparisons/>