

Meteorology by AccuWeather

### Metropolitan Forecast

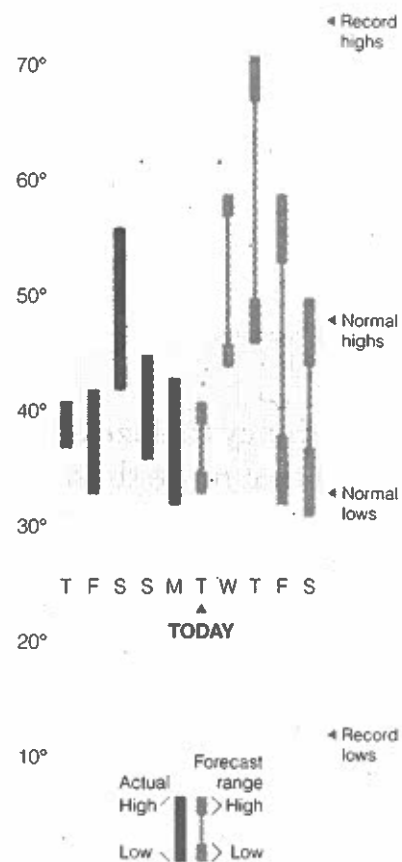
**Tuesday** ..... Mostly sunny; chilly  
 Wednesday ..... Mostly sunny as high pressure overhead from the south. A very bright day followed by a chilly afterglow. Winds will generally be light from the south.

**Thursday** ..... A moonlit sky  
 Friday ..... High pressure will continue to dominate the area leading to mostly clear conditions although temperatures will not be as warm.

**Saturday** ..... Mostly sunny, warmer  
 Sunday ..... Mostly sunny skies and warmer temperatures, as high pressure shifts to the west. This will shift winds to the south-north-northeast with warmer air over the region.

**Monday** ..... Partly sunny, warmer  
 Tuesday ..... Partly sunny, warmer with some sunshine, breezy and very warm as a low pressure system develops ahead of a roaching cold front. A beautiful day outdoors with temperatures about 10 degrees above normal.

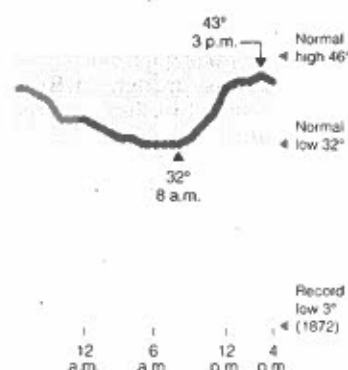
**Wednesday** ..... Cooler with some sun  
 Thursday ..... Cooler with some sun, cloudy, breezy and cooler on Friday as a cold front moves off to the east. Highs in the middle to upper 50s. Regaining cooler, however, sun returns on Saturday. Highs only in the upper 40s.



### Metropolitan Almanac

Central Park for the 16 hours ended at 4 p.m. yesterday.

**Temperature**  
 SUN. YESTERDAY  
 43° 3 p.m.  
 Normal high 46°  
 32° 8 a.m.  
 Normal low 32°  
 Record low 3° (1872)



**Precipitation** (in inches)  
 Yesterday ..... 0.00  
 Record ..... 1.81  
 Since Oct. 1 ..... 7.4

For the last 30 days  
 Actual ..... 1.75  
 Normal ..... 3.41

For the last 365 days  
 Actual ..... 67.39  
 Normal ..... 49.93

**Air pressure**  
 High ..... 30.07 4 p.m.  
 Low ..... 29.79 1 a.m.

**Humidity**  
 High ..... 61% 1 a.m.  
 Low ..... 26% 3 p.m.

**Heating Degree Days**  
 An index of fuel consumption that tracks how far the day's mean temperature fell below 65  
 Yesterday ..... 27  
 So far this month ..... 120  
 So far this season (since July 1) ..... 2992  
 Normal to date for the season ..... 3677

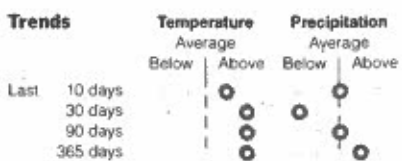
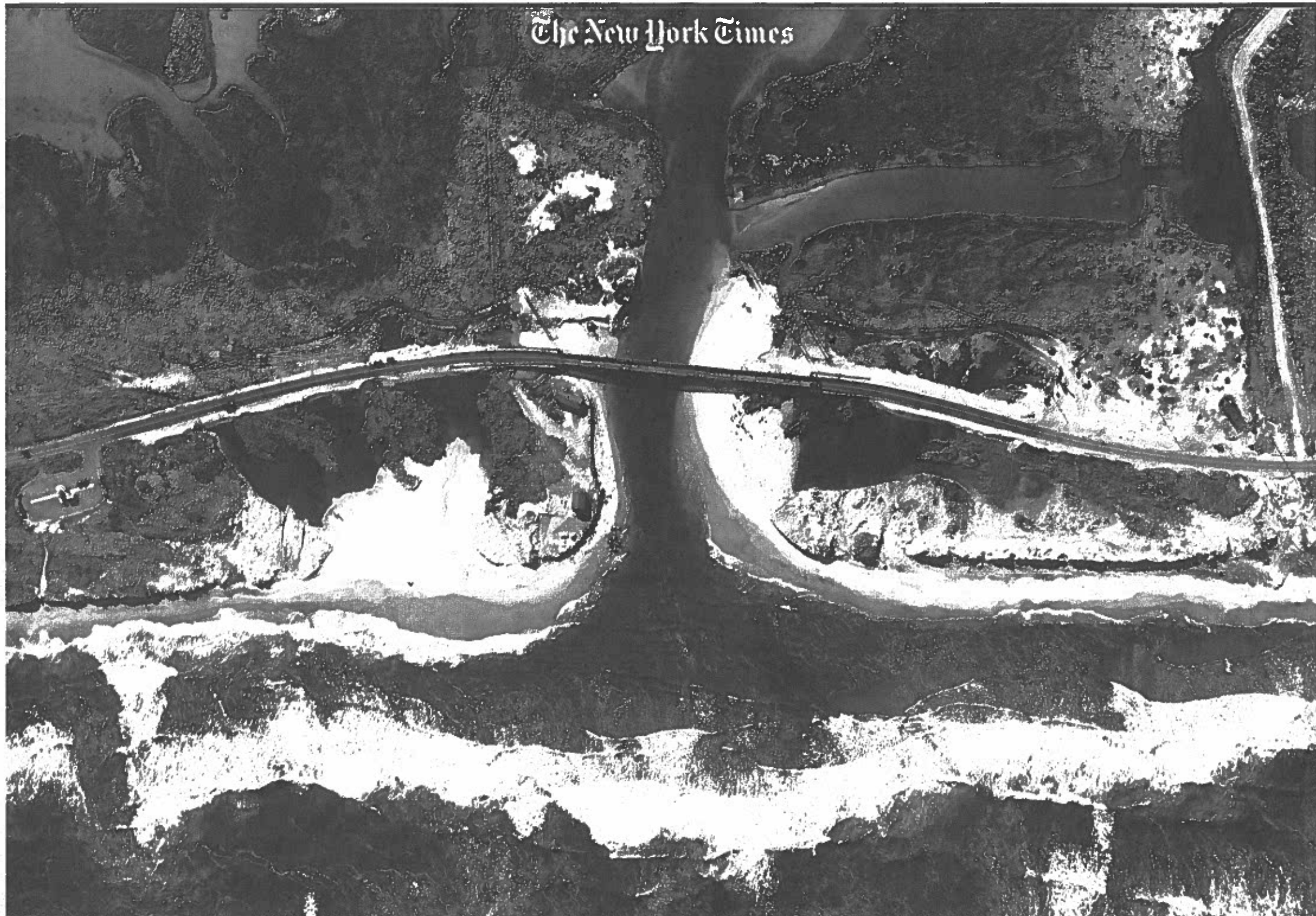


Chart shows how recent temperature and precipitation trends compare with those of the last 30 years.

### Seasonal Forecast

**Moon and Planets**  
 Last Quarter  
 New  
 First Quarter

**Mountain and Ocean Temperatures**  
 Today's forecast



NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

## A Lifeline Built On Shifting Sands

Waves and weather take a constant toll as engineers struggle to keep the Outer Banks connected.

By CORNELIA DEAN  
 RODANTHE, N.C. — Last August, when

keeping the road open until a more permanent fix could be designed and built.



**BESIEGED** Waves hit a new bridge on Highway 12 at Pea Island, N.C., over an inlet created by Hurricane Irene. Critics say officials should adopt a ferry system instead.

Environmental Protection Agency, the United States Geological Survey and other agencies, said the Outer Banks were particularly threatened.

Already, Highway 12 floods repeatedly and is often cut by storms. Maintaining it "is totally a lost cause," said Stanley R. Riggs, a coastal scientist at East Carolina University who is an author of a new book, "The Battle for North Carolina's Coast," which describes in depressing detail the difficulties of keeping the road open. "It will bankrupt the state," he said.

But people who live and work on the Outer

# SIMONS FOUNDATION

The Foundation congratulates the 77 outstanding mathematicians and theoretical physicists who have been awarded Simons Fellowships in 2012, the inaugural year of the program. This program extends academic leaves from one term to a full year, enabling recipients to focus solely on research for the long periods often necessary for significant advances. The Foundation is proud to support the work of these distinguished scientists.

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