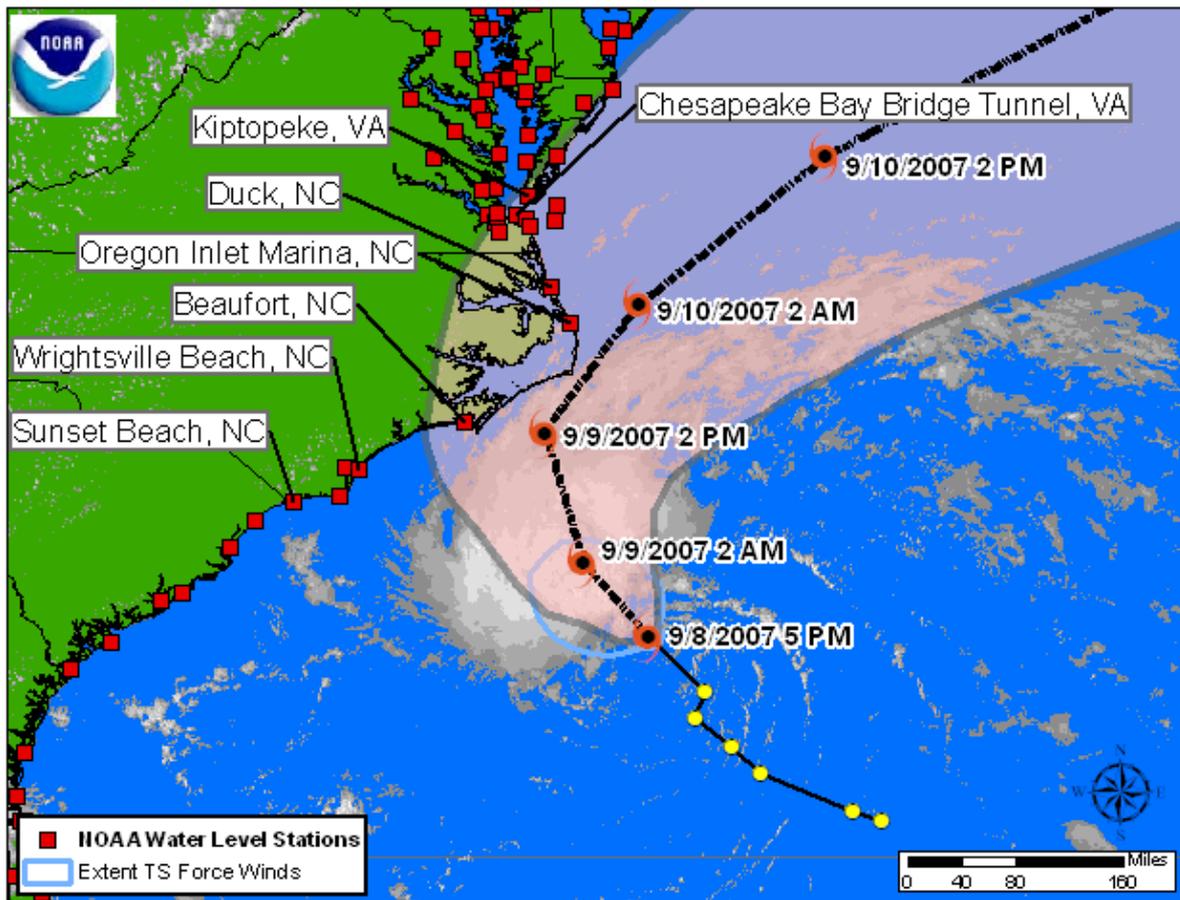




Tropical Storm GABRIELLE QUICKLOOK
Posted: 18:00 EDT 09/08/2007

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

Water level and meteorological plots below are updated automatically.

As of 9/8/2007 1830 EDT water levels along North Carolina coast and at the mouth of the Chesapeake Bay remain near or at predicted.

Next high tide predictions

- Sunset Beach, NC: 18:11 EDT 5.7 ft (1.7 m)
- Beaufort, NC: 18:51 EDT 3.9 ft (1.2 m)
- Wrightsville Beach, NC: 17:06 EDT 4.6 ft (1.4 m)
- Oregon Inlet Marina, NC: 18:46 EDT 1.4 ft (0.4 m)
- Duck, NC: 18:18 EDT 3.9 ft (1.2 m)
- CBBT, VA: 19:15 EDT 3.1 ft (0.9 m)

Kiptopeke, VA: 19:38 EDT 3.1 ft (0.9 m)

For more data, please see the [CO-OPS Tides & Currents page](#).

For information about this product, please see the [Storm QuickLook homepage](#).

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

...GABRIELLE BECOMES TROPICAL...STILL FORECAST TO STRENGTHEN AS IT APPROACHES NORTH CAROLINA...

A TROPICAL STORM WARNING REMAINS IN EFFECT FROM SURF CITY NORTH CAROLINA NORTHWARD TO THE NORTH CAROLINA/VIRGINIA BORDER... INCLUDING THE PAMLICO AND ALBEMARLE SOUNDS.

GABRIELLE IS MOVING TOWARD THE NORTHWEST NEAR 8 MPH. A GRADUAL TURN TOWARD THE NORTH IS FORECAST DURING THE NEXT 24 HOURS. ON THIS TRACK...THE CENTER OF GABRIELLE WILL BE NEAR OR OVER THE COAST OF NORTH CAROLINA TOMORROW AFTERNOON...BUT OUTER RAIN BANDS WILL LIKELY REACH THE COAST TONIGHT.

MAXIMUM SUSTAINED WINDS HAVE DECREASED AND ARE NOW NEAR 40 MPH WITH HIGHER GUSTS. HOWEVER...SLIGHT STRENGTHENING IS FORECAST DURING THE NEXT 24 HOURS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES TO THE NORTH FROM THE CENTER. THE MINIMUM CENTRAL PRESSURE WAS 1009 MB...29.80 INCHES.

COASTAL STORM SURGE FLOODING OF 2 TO 3 FEET IS POSSIBLE WITHIN THE WARNING AREA AS GABRIELLE PASSES NEAR OR OVER THE COAST.

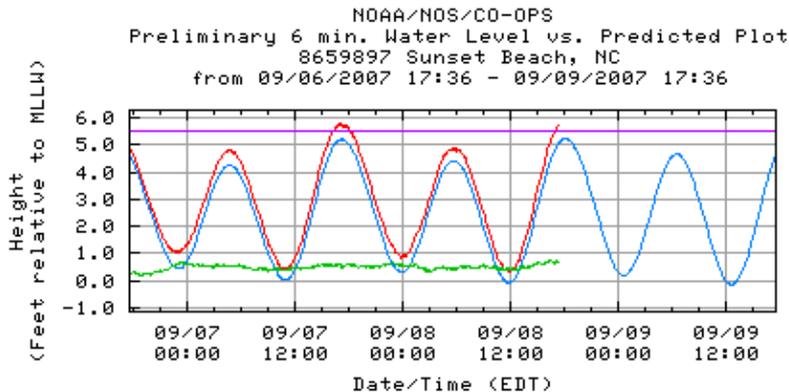
GABRIELLE IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 1 TO 3 INCHES ACROSS COASTAL SECTIONS OF NORTH CAROLINA...WITH ISOLATED MAXIMUM AMOUNTS OF 5 INCHES.

Water level analyst: CM

For the purpose of timely release, data contained within this QUICKLOOK have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Sunset Beach - Water Level](#), [Beaufort - Water Level](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Oregon Inlet Marina - Water Level](#), [Duck - Water Level](#), [Duck - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Kiptopeke - Water Level](#).

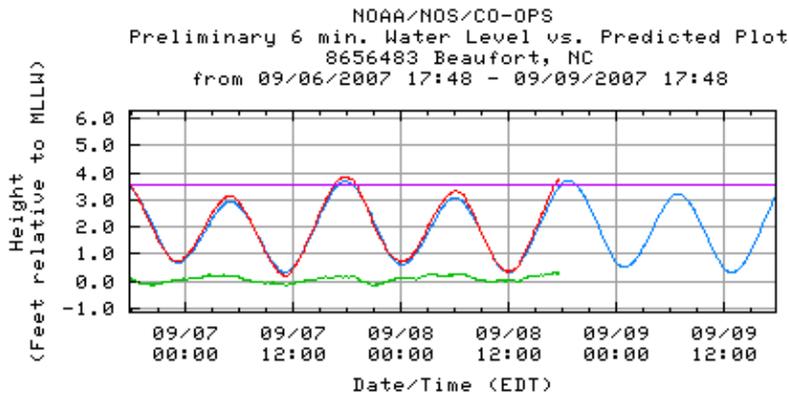
Sunset Beach, NC - Station Map [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 09/08/2007 17:24 (EDT)
 Relative to **MLLW**: **Observed: 5.75 ft. Predicted: 5.07 ft. Residual: 0.68 ft.**
 Historical Maximum Water Level: n/a

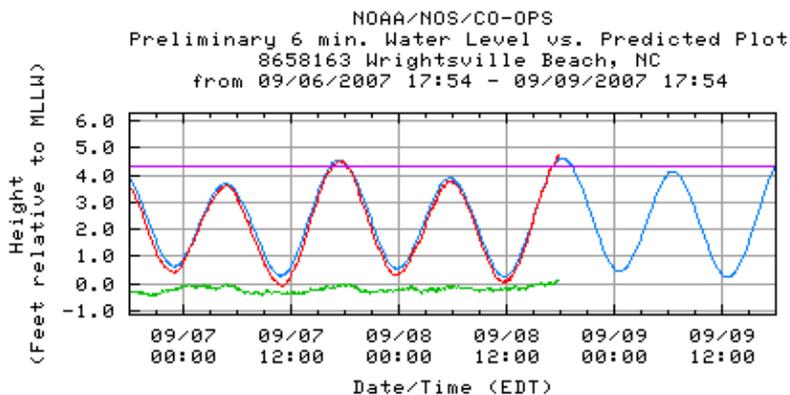
Beaufort, NC - Station Map [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 09/08/2007 17:36 (EDT)
 Relative to **MLLW**: **Observed: 3.78 ft. Predicted: 3.48 ft. Residual: 0.30 ft.**
 Historical Maximum Water Level: 09/16/1999, 2.74 ft. above **MHHW**

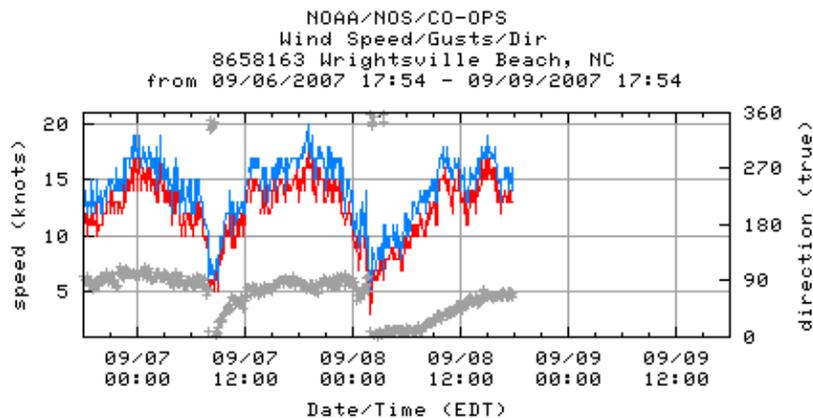
Wrightsville Beach, NC - Station Map [Return to List](#)



Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 09/08/2007 17:42 (EDT)
 Relative to **MLLW**: **Observed: 4.72 ft. Predicted: 4.59 ft. Residual: 0.13 ft.**
 Historical Maximum Water Level: n/a

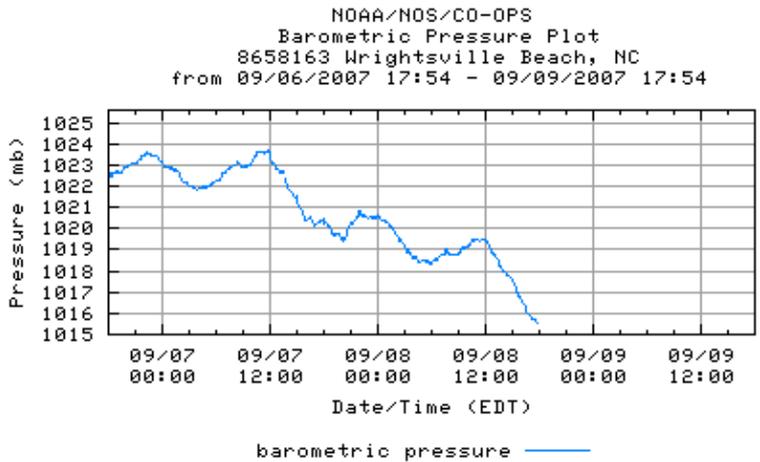
Wrightsville Beach, NC - Station Map [Return to List](#)



speed — gusts — direction +

Last Observed Sample: 09/08/2007 17:42 (EDT)
Wind Speed: 13 knots Gusts: 16 knots Direction: 071° T

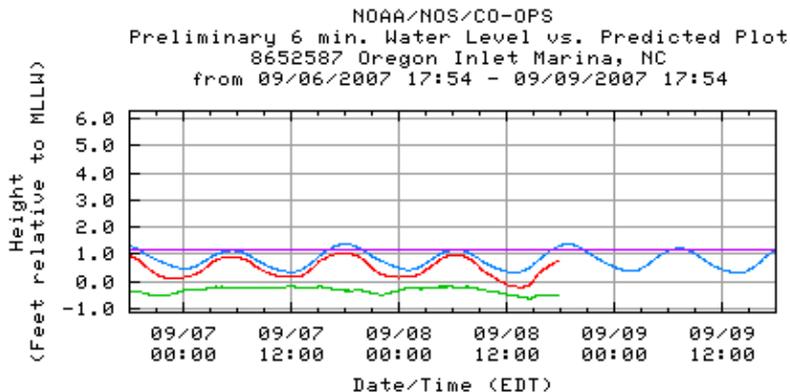
Wrightsville Beach, NC - Station Map [Return to List](#)



Last Observed Sample: 09/08/2007 17:42 (EDT)

Barometric Pressure: 1015.5 mb

Oregon Inlet Marina, NC - Station Map [Return to List](#)

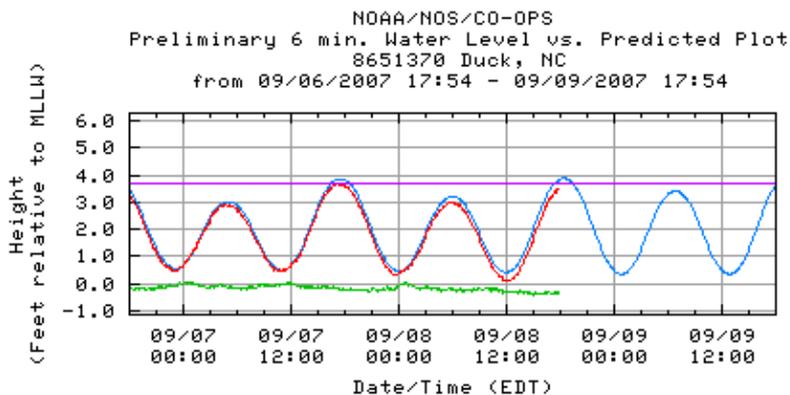


Last Observed Sample: 09/08/2007 17:42 (EDT)

Relative to **MLLW**: Observed: 0.75 ft. Predicted: 1.29 ft. Residual: -0.54 ft.

Historical Maximum Water Level: 09/16/1999, 4.49 ft. above **MHHW**

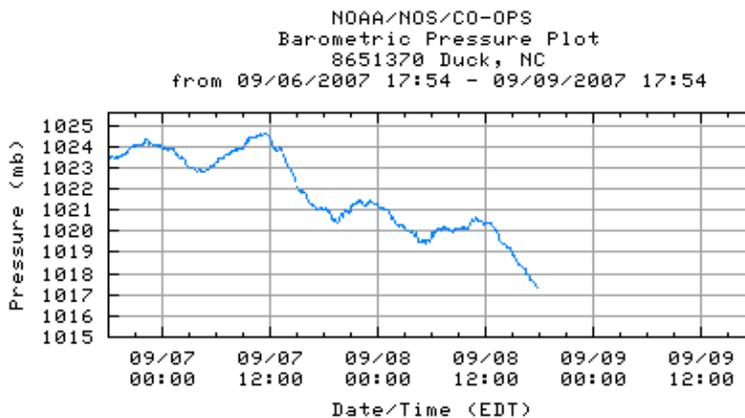
Duck, NC - Station Map [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 09/08/2007 17:42 (EDT)
 Relative to **MLLW**: **Observed: 3.48 ft. Predicted: 3.83 ft. Residual: -0.35 ft.**
 Historical Maximum Water Level: 08/30/1999, 3.23 ft. above **MHHW**

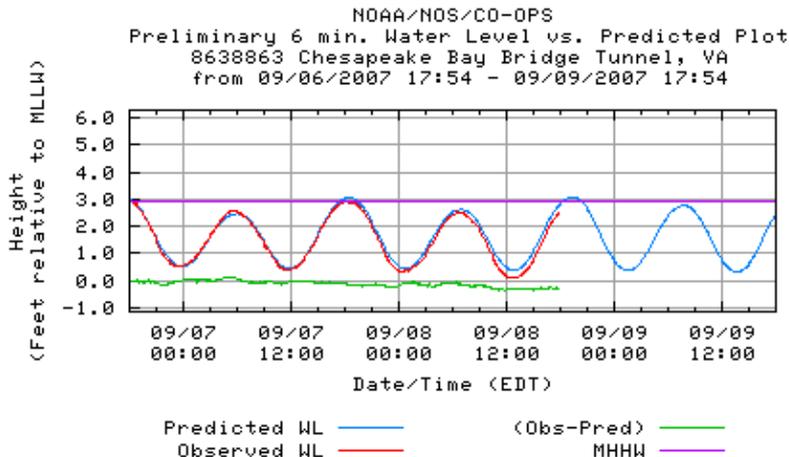
Duck, NC - Station Map [Return to List](#)



barometric pressure ———

Last Observed Sample: 09/08/2007 17:42 (EDT)
Barometric Pressure: 1017.3 mb

Chesapeake Bay Bridge Tunnel, VA - Station Map [Return to List](#)

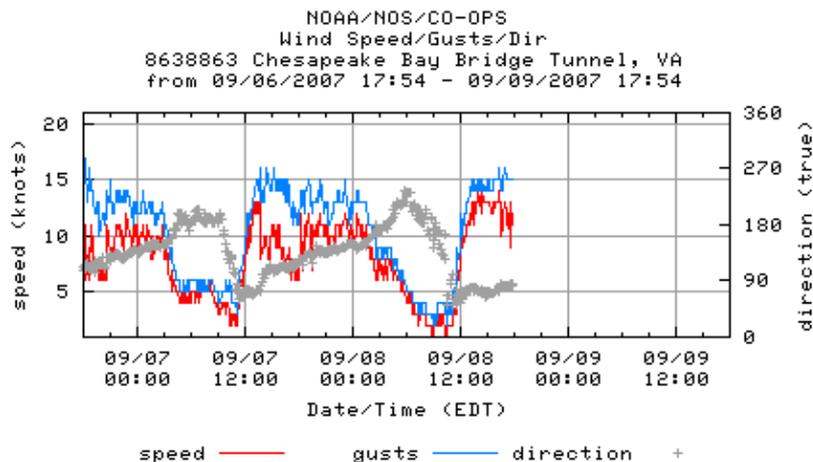


Last Observed Sample: 09/08/2007 17:42 (EDT)

Relative to **MLLW**: **Observed: 2.49 ft. Predicted: 2.77 ft. Residual: -0.28 ft.**

Historical Maximum Water Level: 02/05/1998, 3.68 ft. above **MHHW**

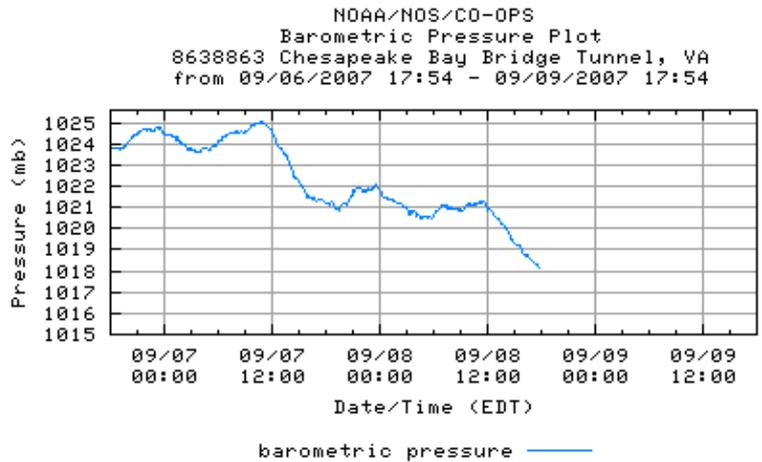
Chesapeake Bay Bridge Tunnel, VA - Station Map [Return to List](#)



Last Observed Sample: 09/08/2007 17:42 (EDT)

Wind Speed: 11 knots Gusts: 15 knots Direction: 084° T

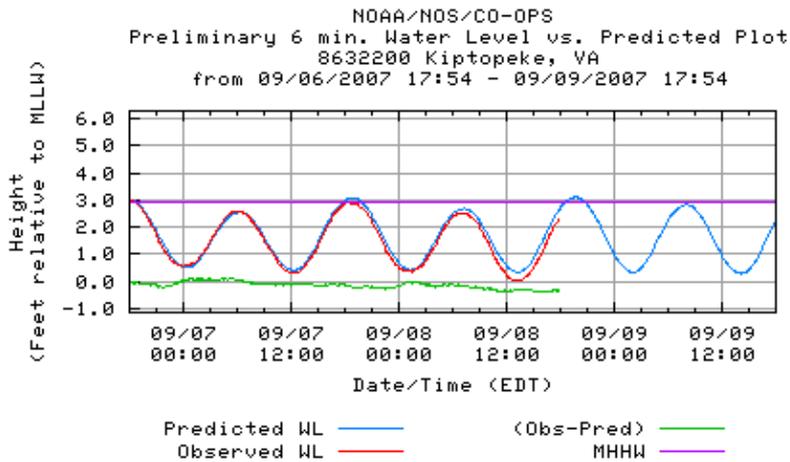
Chesapeake Bay Bridge Tunnel, VA - Station Map [Return to List](#)



Last Observed Sample: 09/08/2007 17:42 (EDT)

Barometric Pressure: 1018.1 mb

Kiptopeke, VA - Station Map [Return to List](#)



Last Observed Sample: 09/08/2007 17:42 (EDT)

Relative to **MLLW**: Observed: 2.29 ft. Predicted: 2.63 ft. Residual: -0.34 ft.

Historical Maximum Water Level: 03/08/1962, 4.13 ft. above **MHHW**

Tropical Storm GABRIELLE QUICKLOOK, POSTED 18:00 EDT 09/08/2007

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce