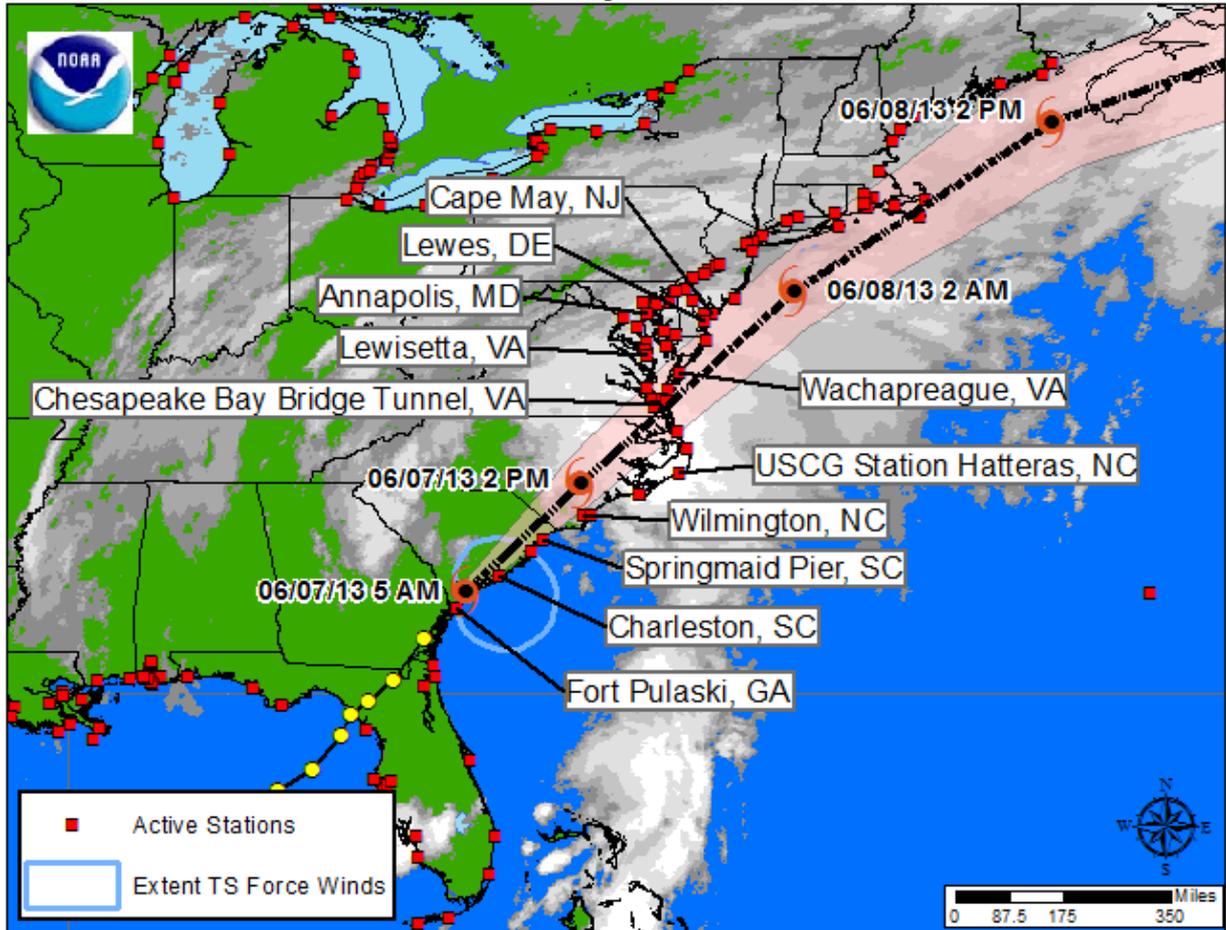




Tropical Storm ANDREA QuickLook
 Posted: 06:00 EDT 06/07/2013

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 06/07/2013 06:00 EDT, water levels from the east coast of Florida to Georgia are returning to normal. Water levels at most locations along the East Coast from South Carolina to southern New Jersey, including the Chesapeake Bay are slightly elevated and range between 0.4 and 1.2 feet above tidal predictions. Winds are increasing along the South and North Carolina coast and range between 20 and 25 knots, with gusts over 30 knots. Barometric pressure is falling along the East Coast.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur. Water level predictions relative to Mean Lower Low Water are:

Charleston, SC: Next predicted high tides are 4.8 ft (1.46 m) at 06/07/2013 07:48 EDT and 5.9 ft (1.82 m) at 06/07/2013 20:09 EDT.

Tropical Storm ANDREA QuickLook, POSTED 06:00 EDT 06/07/2013

Springmaid Pier, SC: Next predicted high tides are 4.6 ft (1.39 m) at 06/07/2013 07:23 EDT and 5.6 ft (1.73 m) at 06/07/2013 19:38 EDT.

Wilmington, NC: Next predicted high tides are 4.1 ft (1.25 m) at 06/07/2013 09:31 EDT and 4.8 ft (1.49 m) at 06/07/2013 21:58 EDT.

USCG Station Hatteras, NC: Next predicted high tides are 0.1 ft (0.03 m) at 06/07/2013 08:27 EDT and 0.1 ft (0.03 m) at 06/07/2013 21:10 EDT.

Chesapeake Bay Bridge Tunnel, VA: Next predicted high tides are 2.3 ft (0.70 m) at 06/07/2013 08:19 EDT and 2.9 ft (0.90 m) at 06/07/2013 20:34 EDT.

Lewisetta, VA: Next predicted high tides are 1.3 ft (0.40 m) at 06/07/2013 13:37 EDT and 1.6 ft (0.49 m) at 06/08/2013 02:07 EDT.

Annapolis, MD: Next predicted high tides are 1.0 ft (0.31 m) at 06/07/2013 17:10 EDT and 1.7 ft (0.53 m) at 06/08/2013 06:02 EDT.

Wachapreague, VA: Next predicted high tides are 3.8 ft (1.17 m) at 06/07/2013 08:10 EDT and 4.8 ft (1.48 m) at 06/07/2013 20:44 EDT.

Lewes, DE: Next predicted high tides are 3.7 ft (1.12 m) at 06/07/2013 08:40 EDT and 4.8 ft (1.49 m) at 06/07/2013 20:55 EDT.

Cape May, NJ: Next predicted high tides are 4.4 ft (1.36 m) at 06/07/2013 08:33 EDT and 5.6 ft (1.72 m) at 06/07/2013 20:48 EDT.

Fort Pulaski, GA: Next predicted high tides are 6.4 ft (1.96 m) at 06/07/2013 07:57 EDT and 7.7 ft (2.37 m) at 06/07/2013 20:14 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

WTNT31 KNHC 070835

BULLETIN

TROPICAL STORM ANDREA ADVISORY NUMBER 7

NWS NATIONAL HURRICANE CENTER MIAMI FL 500 AM EDT FRI JUN 07 2013

...ANDREA RACING NORTHEASTWARD ALONG THE EASTERN SEABOARD...

WATCHES AND WARNINGS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* NORTH OF ALTAMAHA SOUND GEORGIA TO CAPE CHARLES LIGHT VIRGINIA

- * PAMLICO AND ALBEMARLE SOUNDS
- * LOWER CHESAPEAKE BAY SOUTH OF NEW POINT COMFORT

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 AM EDT THE CENTER OF TROPICAL STORM ANDREA WAS LOCATED ABOUT 30 MI NE OF SAVANNAH GEORGIA AND ABOUT 50 MI SW OF CHARLESTON SOUTH CAROLINA. ANDREA HAS INCREASED ITS FORWARD SPEED AND IS NOW MOVING TOWARD THE NORTHEAST NEAR 28 MPH. THIS GENERAL MOTION IS EXPECTED TO CONTINUE FOR THE NEXT DAY OR TWO WITH AN ADDITIONAL INCREASE IN FORWARD SPEED. ON THE FORECAST TRACK...THE CENTER OF ANDREA WILL CONTINUE TO MOVE NEAR THE EAST COAST OF THE UNITED STATES THROUGH SATURDAY.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 45 MPH WITH HIGHER GUSTS. THESE WINDS ARE CONFINED TO RAINBANDS PRIMARILY OVER WATER TO THE EAST OF THE CENTER. LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT 48 HOURS...AND ANDREA IS EXPECTED TO LOSE TROPICAL CHARACTERISTICS LATER TODAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES TO THE EAST OF THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 996 MB...29.41 INCHES.

HAZARDS AFFECTING LAND

RAINFALL...ANDREA IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 2 TO 4 INCHES FROM CENTRAL AND EASTERN NORTH CAROLINA NORTHEASTWARD ALONG THE EASTERN SEABOARD INTO COASTAL MAINE. ADDITIONAL RAIN TOTALS OF UP TO 2 INCHES ARE EXPECTED OVER PORTIONS OF EASTERN GEORGIA AND SOUTH CAROLINA THROUGH LATE FRIDAY MORNING WHICH COULD BRING STORM TOTAL AMOUNTS UP TO 6 INCHES ACROSS THOSE AREAS.

STORM SURGE...THE COMBINATION OF STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING HEIGHTS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

NORTH OF ALTAMAHA SOUND TO CAPE CHARLES LIGHT...1 TO 2 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

Tropical Storm ANDREA QuickLook, POSTED 06:00 EDT 06/07/2013

WIND...TROPICAL STORM CONDITIONS WILL GRADUALLY SPREAD NORTHEASTWARD IN THE WARNING AREA ALONG THE U.S. EAST COAST DURING THE NEXT 24 HOURS.

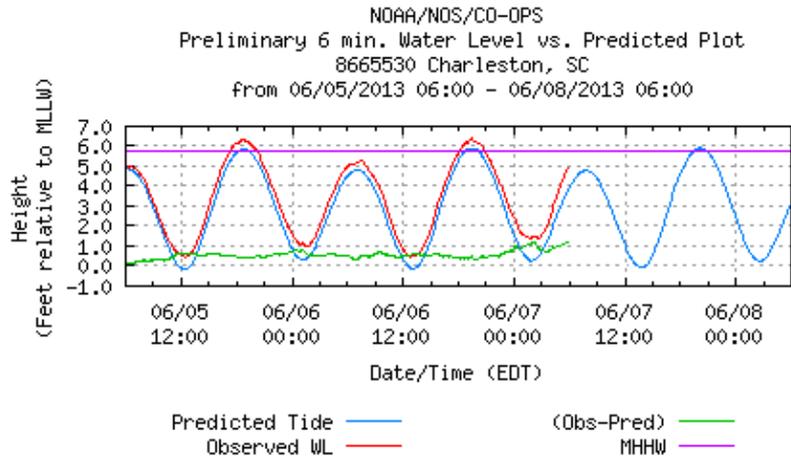
TORNADOES...A FEW TORNADOES ARE POSSIBLE OVER COASTAL SECTIONS FROM NORTH CAROLINA THROUGH VIRGINIA.

FORECASTER AVILA

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.

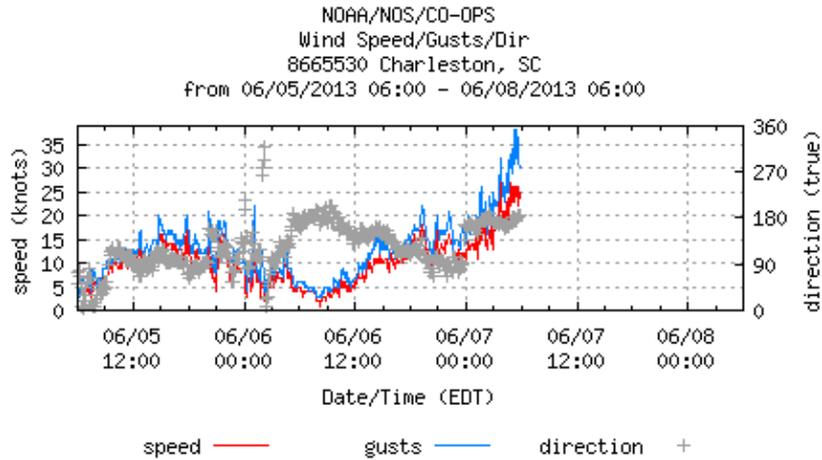
Jump to: [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Wilmington - Water Level](#), [Wilmington - Barometric](#), [USCG Station Hatteras - Water Level](#), [USCG Station Hatteras - Winds](#), [USCG Station Hatteras - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Lewisetta - Water Level](#), [Lewisetta - Barometric](#), [Annapolis - Water Level](#), [Annapolis - Barometric](#), [Wachapreague - Water Level](#), [Wachapreague - Winds](#), [Lewes - Water Level](#), [Lewes - Winds](#), [Cape May - Water Level](#), [Cape May - Winds](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#)

Charleston, SC - Return to List



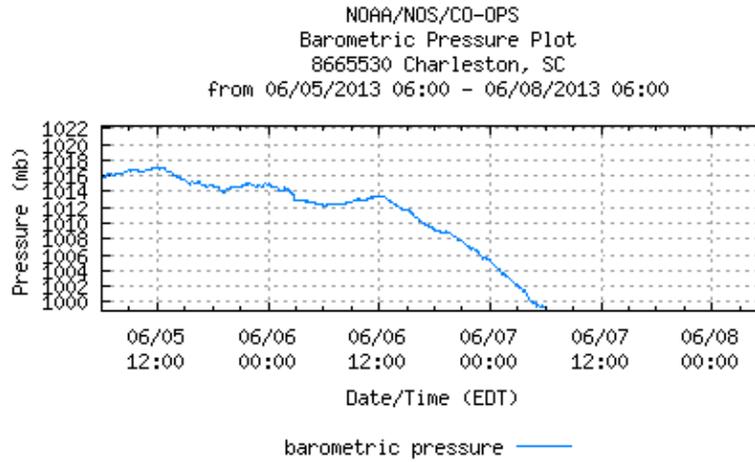
Last Observed Sample: 06/07/2013 05:54 (EDT)
Relative to MLLW: **Observed: 4.99 ft.** **Predicted: 3.86 ft.** **Residual: 1.13 ft.**
Historical Maximum Water Level: Sep 21 1989, 12.52 ft. above MLLW

Charleston, SC - Return to List



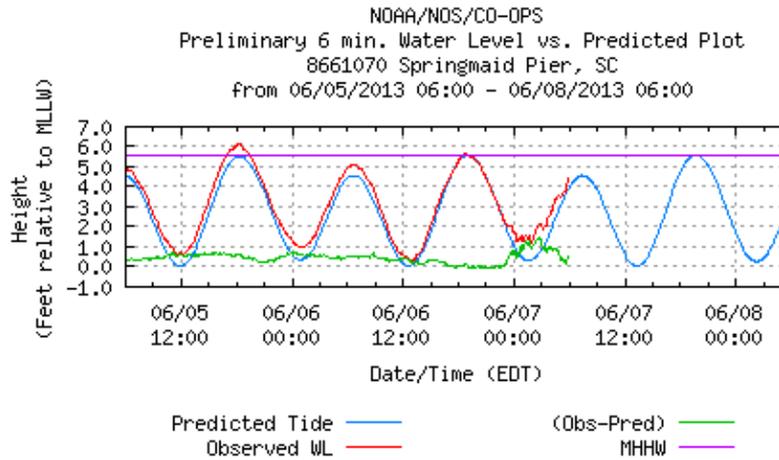
Last Observed Sample: 06/07/2013 05:54 (EDT)
Wind Speed: 30 knots **Gusts: 35 knots** **Direction: 179° T**

Charleston, SC - Return to List



Last Observed Sample: 06/07/2013 05:54 (EDT)
Barometric Pressure: 999.5 mb

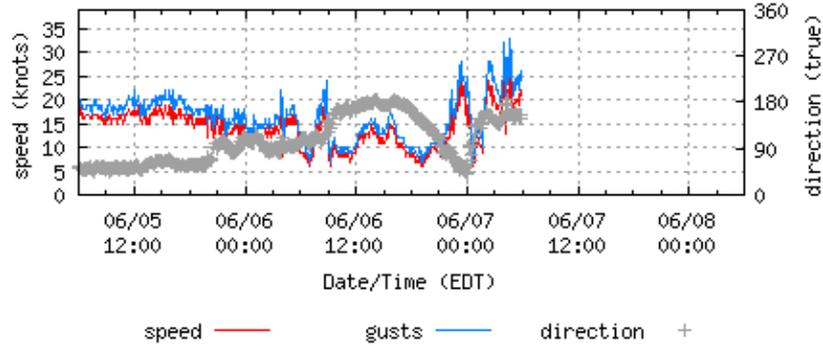
Springmaid Pier, SC - Return to List



Last Observed Sample: 06/07/2013 05:54 (EDT)
Relative to MLLW: Observed: 4.45 ft. Predicted: 3.90 ft. Residual: 0.55 ft.
Historical Maximum Water Level: Jan 1 1987, 9.25 ft. above MLLW

Springmaid Pier, SC - Return to List

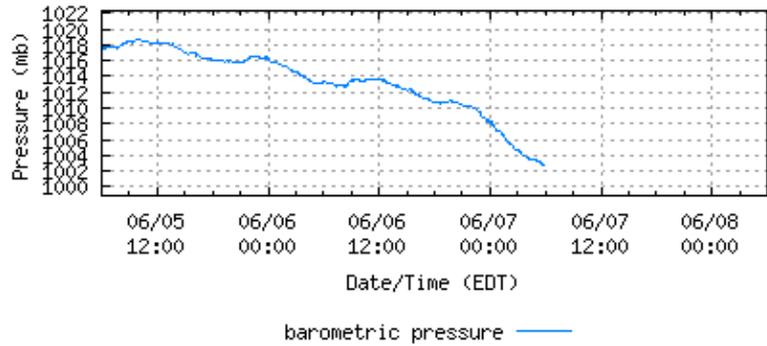
NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8661070 Springmaid Pier, SC
from 06/05/2013 06:00 - 06/08/2013 06:00



Last Observed Sample: 06/07/2013 05:54 (EDT)
Wind Speed: 21 knots Gusts: 24 knots Direction: 156° T

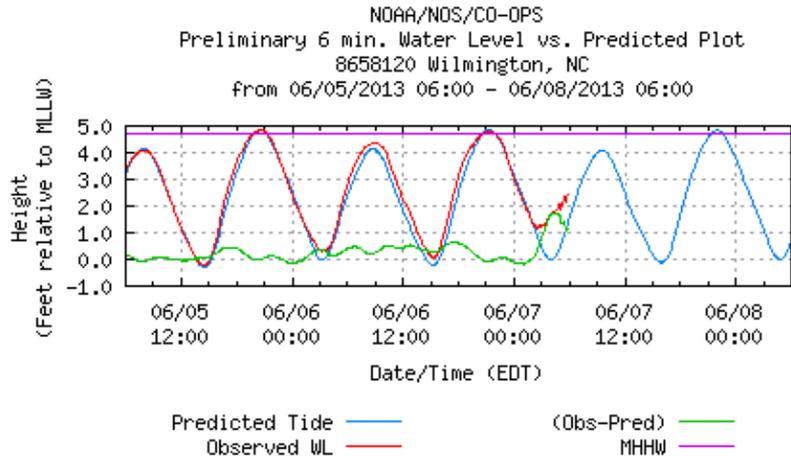
Springmaid Pier, SC - Return to List

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8661070 Springmaid Pier, SC
from 06/05/2013 06:00 - 06/08/2013 06:00



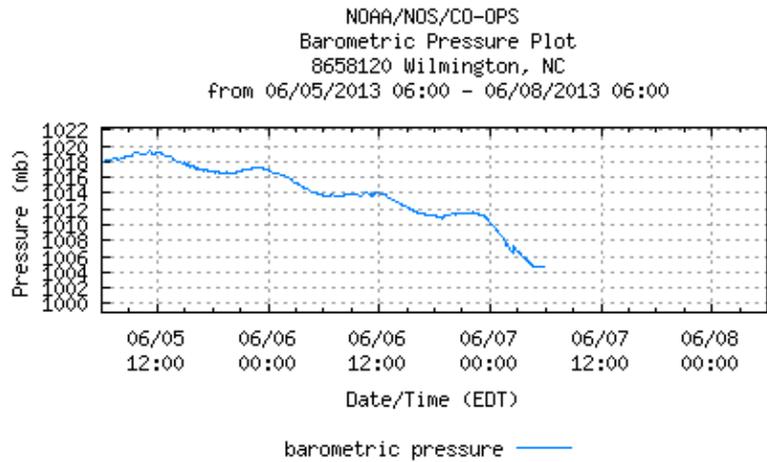
Last Observed Sample: 06/07/2013 05:54 (EDT)
Barometric Pressure: 1002.7 mb

Wilmington, NC - Return to List



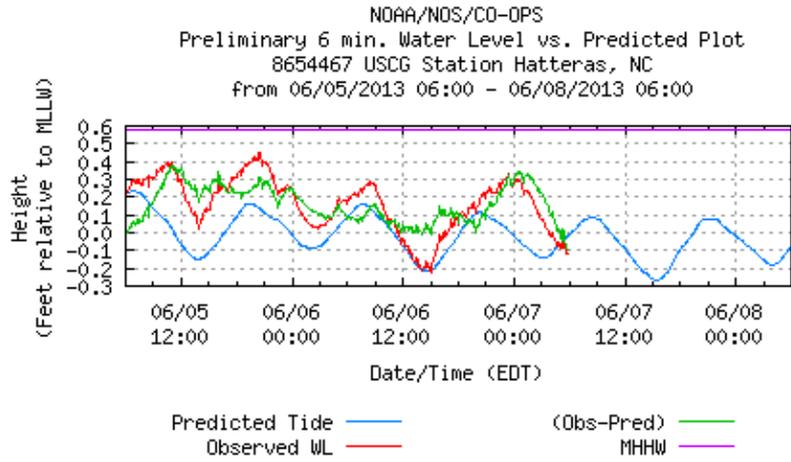
Last Observed Sample: 06/07/2013 05:54 (EDT)
 Relative to MLLW: **Observed: 2.61 ft.** **Predicted: 1.42 ft.** **Residual: 1.19 ft.**
 Historical Maximum Water Level: Oct 15 1954, 8.15 ft. above MLLW

Wilmington, NC - Return to List



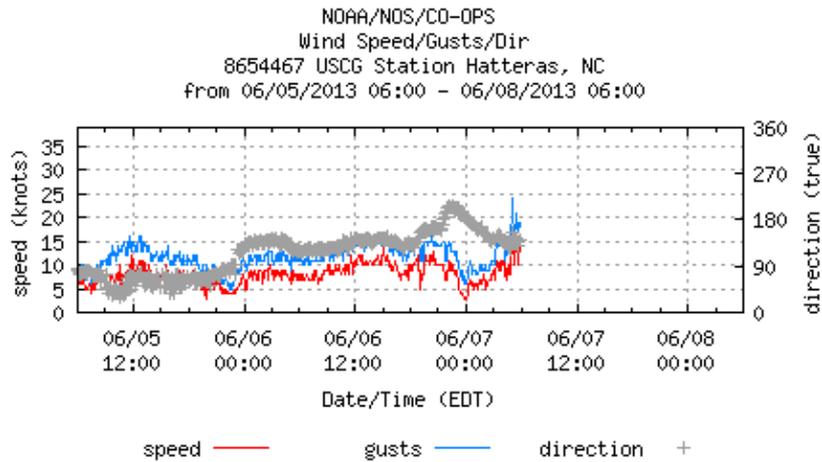
Last Observed Sample: 06/07/2013 05:54 (EDT)
Barometric Pressure: 1004.5 mb

USCG Station Hatteras, NC - Return to List



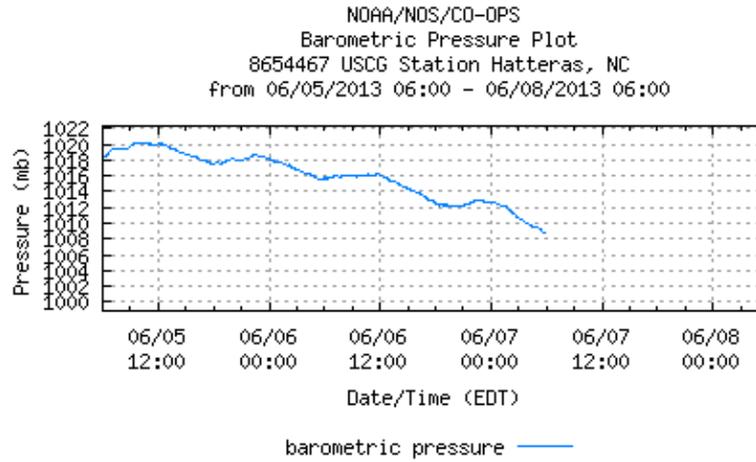
Last Observed Sample: 06/07/2013 05:48 (EDT)
 Relative to MLLW: **Observed: -0.12 ft.** **Predicted: -0.02 ft.** **Residual: -0.10 ft.**
 Historical Maximum Water Level: Oct 29 2012, 4.73 ft. above MLLW

USCG Station Hatteras, NC - Return to List



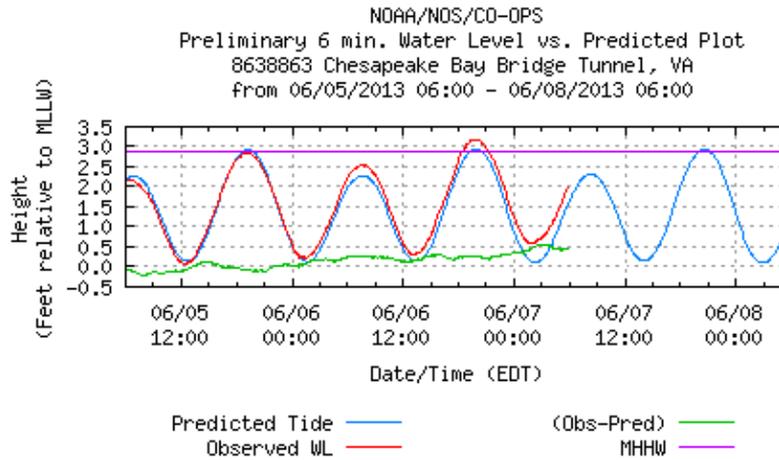
Last Observed Sample: 06/07/2013 05:48 (EDT)
Wind Speed: 15 knots **Gusts: 19 knots** **Direction: 142° T**

USCG Station Hatteras, NC - Return to List



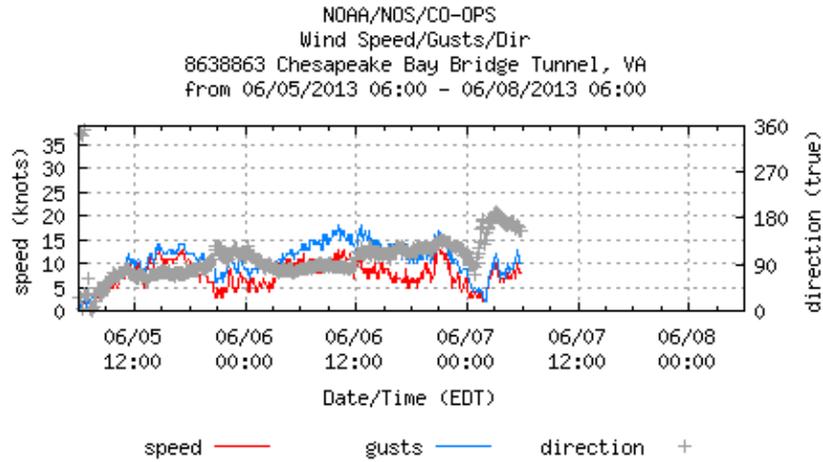
Last Observed Sample: 06/07/2013 05:48 (EDT)
 Barometric Pressure: 1008.9 mb

Chesapeake Bay Bridge Tunnel, VA - Return to List



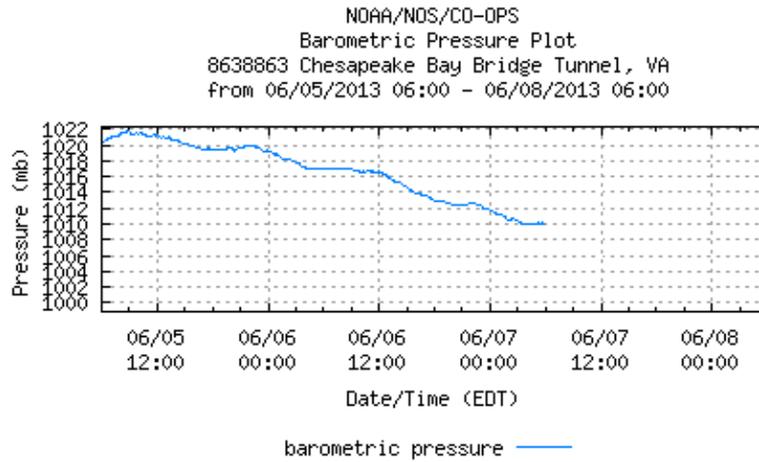
Last Observed Sample: 06/07/2013 05:48 (EDT)
 Relative to MLLW: Observed: 1.99 ft. Predicted: 1.55 ft. Residual: 0.44 ft.
 Historical Maximum Water Level: Nov 12 2009, 7.56 ft. above MLLW

Chesapeake Bay Bridge Tunnel, VA - Return to List



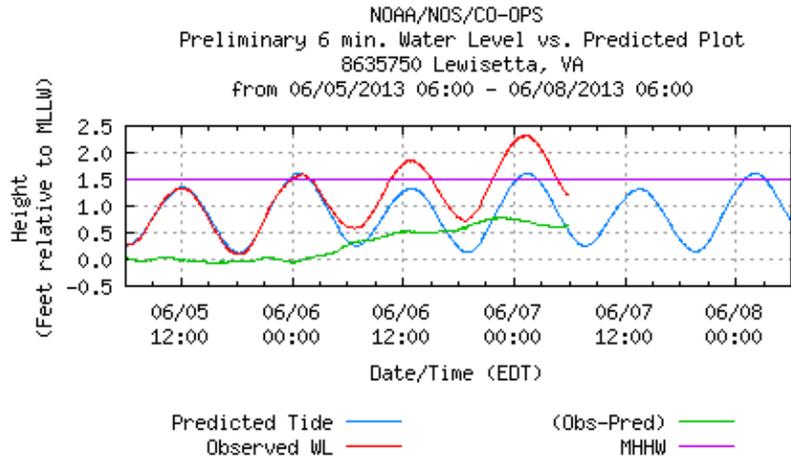
Last Observed Sample: 06/07/2013 05:48 (EDT)
Wind Speed: 8 knots Gusts: 10 knots Direction: 156° T

Chesapeake Bay Bridge Tunnel, VA - Return to List



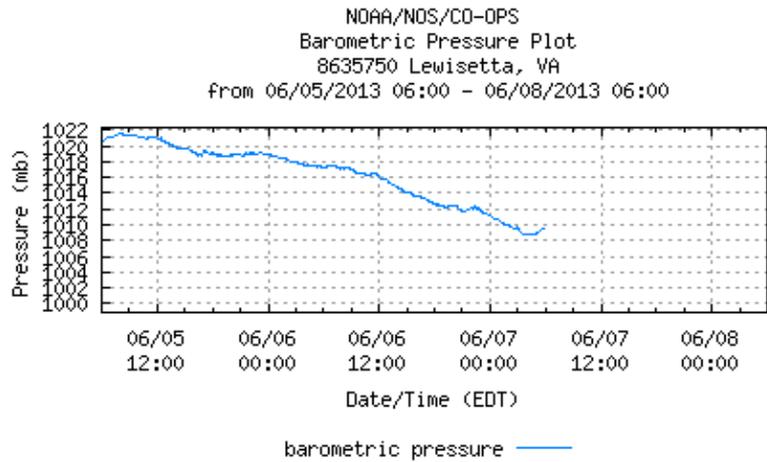
Last Observed Sample: 06/07/2013 05:48 (EDT)
Barometric Pressure: 1010.1 mb

Lewisetta, VA - Return to List



Last Observed Sample: 06/07/2013 05:48 (EDT)
 Relative to MLLW: **Observed: 1.20 ft.** **Predicted: 0.56 ft.** **Residual: 0.64 ft.**
 Historical Maximum Water Level: Sep 1 2006, 5.65 ft. above MLLW

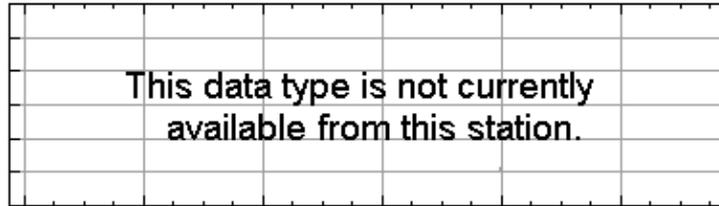
Lewisetta, VA - Return to List



Last Observed Sample: 06/07/2013 05:48 (EDT)
Barometric Pressure: 1009.4 mb

[Annapolis, MD - Return to List](#)

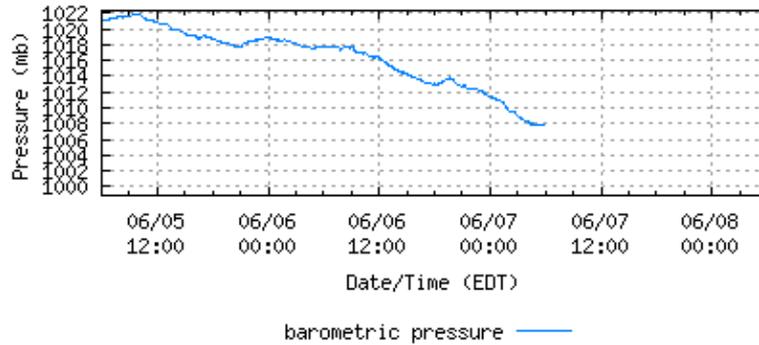
NOAA/NOS/CO-OPS



Last Observed Sample: 06/07/2013 05:54 (EDT)
Relative to MLLW: **Observed: 2.49 ft.** **Predicted: 1.69 ft.** **Residual: 0.80 ft.**
Historical Maximum Water Level: Sep 19 2003, 7.16 ft. above MLLW

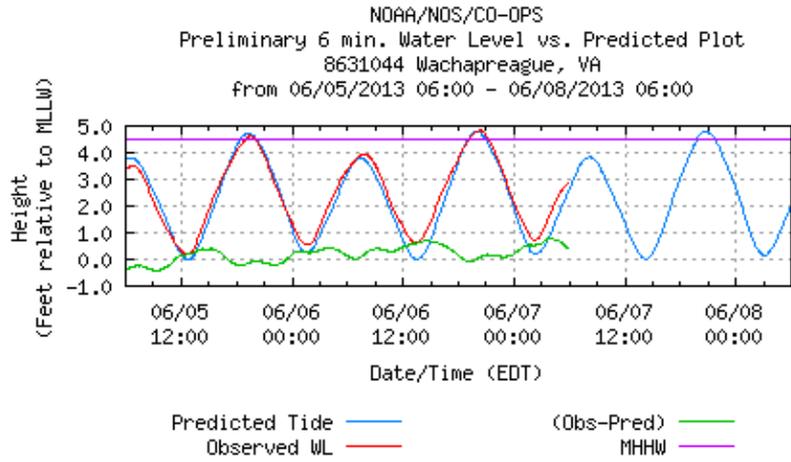
[Annapolis, MD - Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8575512 Annapolis, MD
from 06/05/2013 06:00 - 06/08/2013 06:00



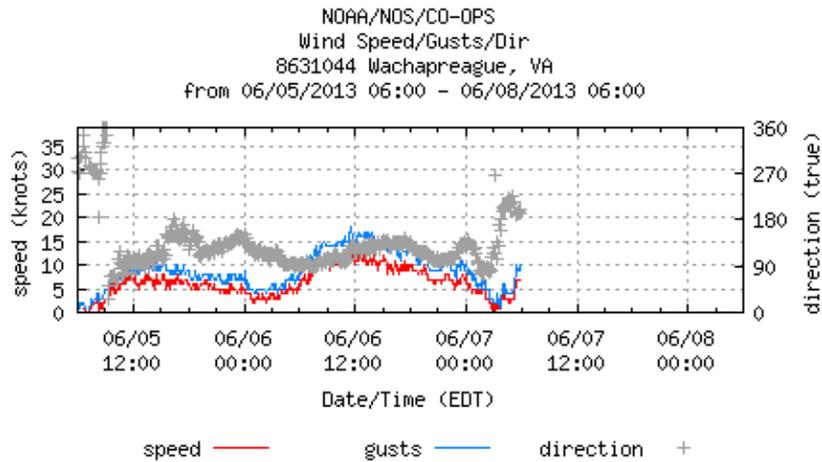
Last Observed Sample: 06/07/2013 05:54 (EDT)
Barometric Pressure: 1007.9 mb

Wachapreague, VA - Return to List



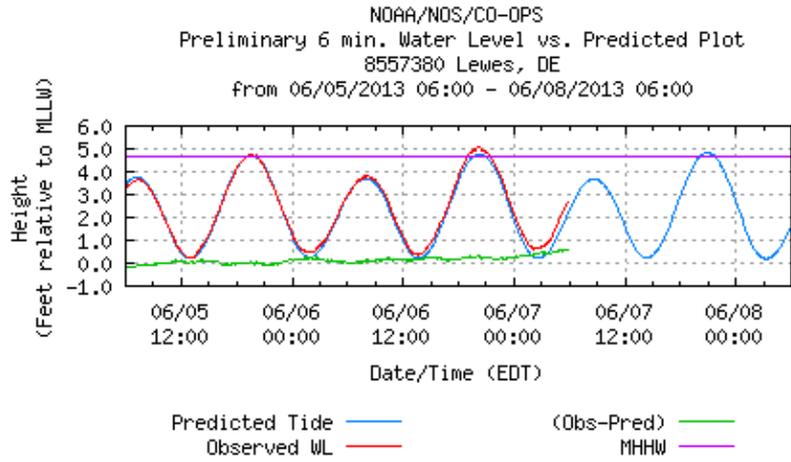
Last Observed Sample: 06/07/2013 05:54 (EDT)
Relative to MLLW: **Observed: 2.88 ft.** **Predicted: 2.48 ft.** **Residual: 0.40 ft.**
Historical Maximum Water Level: Feb 5 1998, 8.92 ft. above MLLW

Wachapreague, VA - Return to List



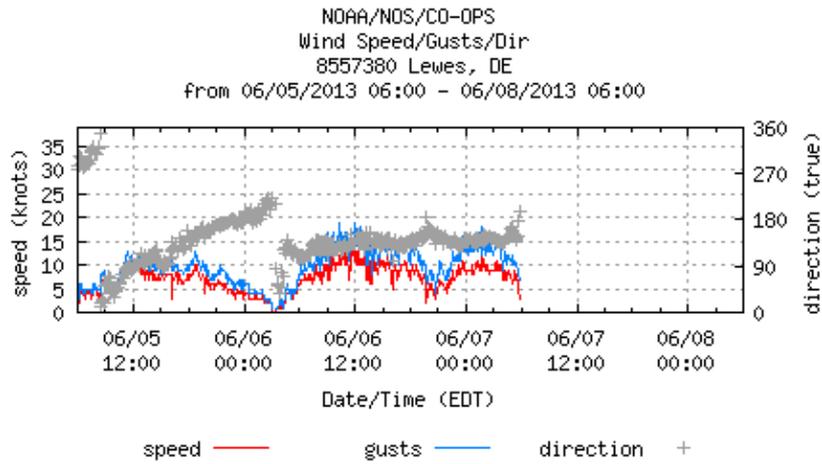
Last Observed Sample: 06/07/2013 05:54 (EDT)
Wind Speed: 7 knots **Gusts: 9 knots** **Direction: 193° T**

Lewes, DE - Return to List



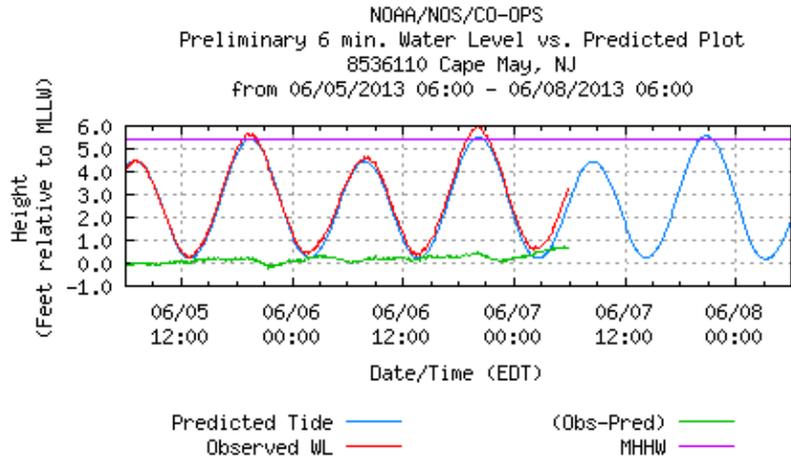
Last Observed Sample: 06/07/2013 05:48 (EDT)
 Relative to MLLW: **Observed: 2.70 ft.** **Predicted: 2.13 ft.** **Residual: 0.57 ft.**
 Historical Maximum Water Level: Mar 6 1962, 9.22 ft. above MLLW

Lewes, DE - Return to List



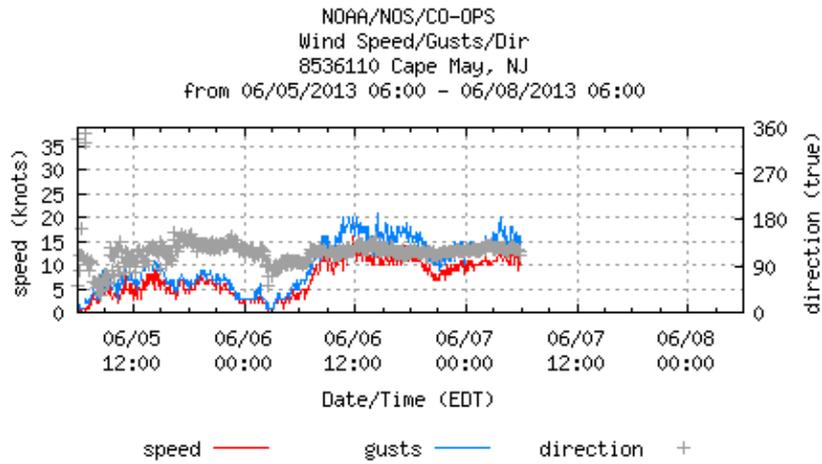
Last Observed Sample: 06/07/2013 05:48 (EDT)
Wind Speed: 3 knots **Gusts: 7 knots** **Direction: 196° T**

Cape May, NJ - Return to List



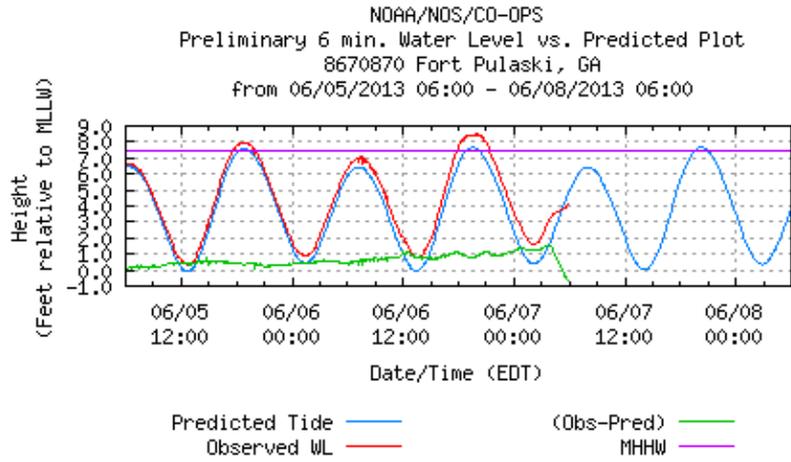
Last Observed Sample: 06/07/2013 05:54 (EDT)
 Relative to MLLW: **Observed: 3.27 ft.** **Predicted: 2.58 ft.** **Residual: 0.69 ft.**
 Historical Maximum Water Level: Oct 29 2012, 8.89 ft. above MLLW

Cape May, NJ - Return to List



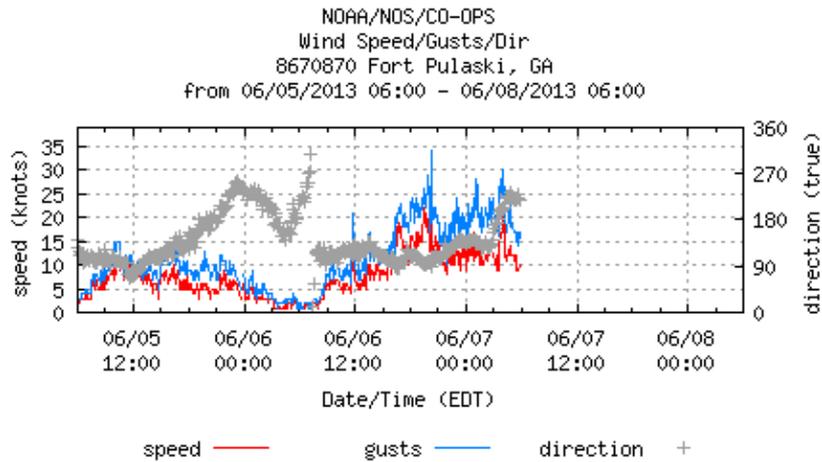
Last Observed Sample: 06/07/2013 05:54 (EDT)
Wind Speed: 12 knots **Gusts: 16 knots** **Direction: 113° T**

Fort Pulaski, GA - Return to List



Last Observed Sample: 06/07/2013 05:48 (EDT)
 Relative to MLLW: **Observed: 4.07 ft.** **Predicted: 4.68 ft.** **Residual: -0.61 ft.**
 Historical Maximum Water Level: Oct 15 1947, 10.90 ft. above MLLW

Fort Pulaski, GA - Return to List



Last Observed Sample: 06/07/2013 05:48 (EDT)
Wind Speed: 10 knots **Gusts: 17 knots** **Direction: 218° T**