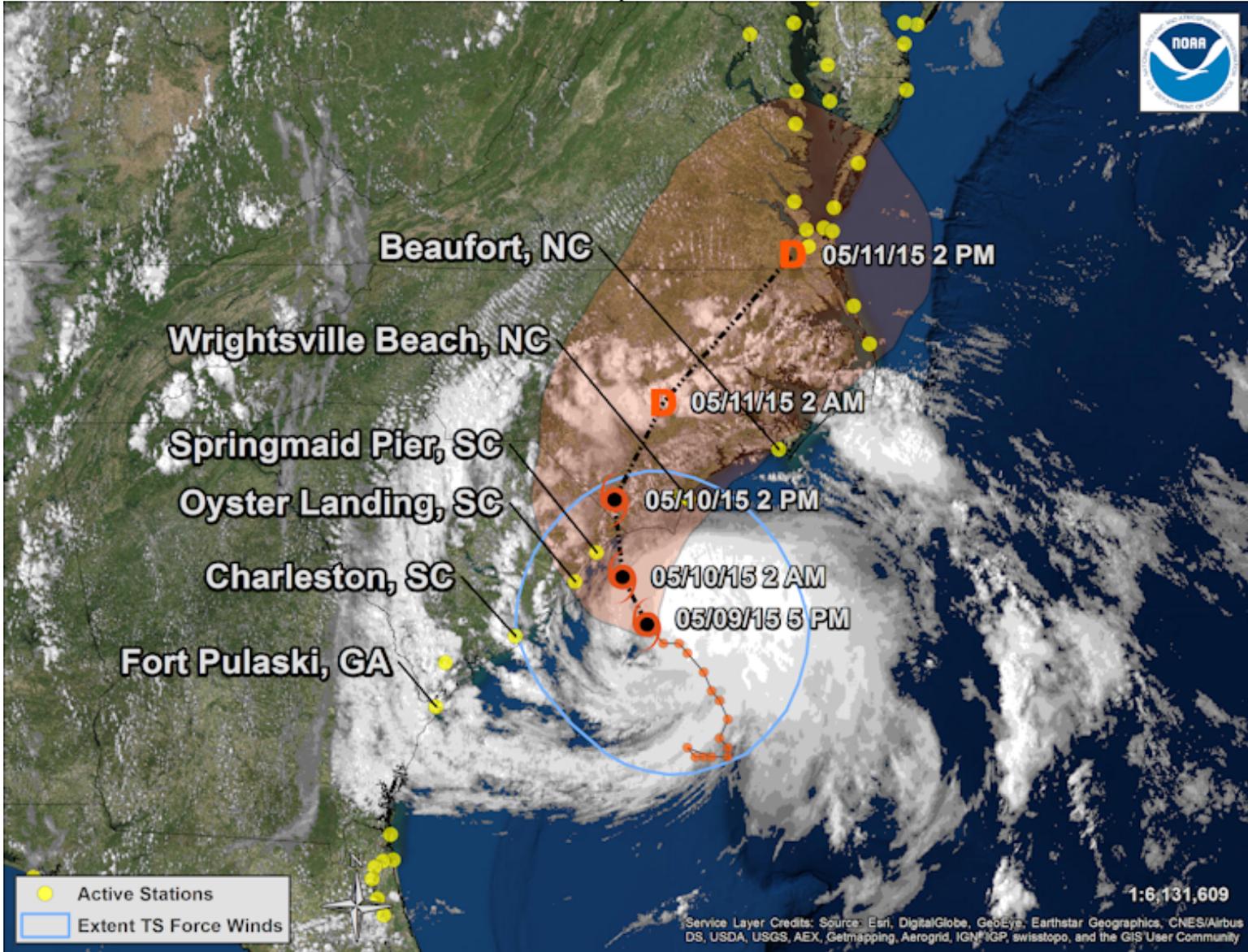


Tropical Storm ANA QuickLook  
Posted: 18:00 EDT 05/09/2015

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 05/09/2015 18:00 EDT, water levels along the coast from Georgia to North Carolina are slightly elevated and generally range between 0.7 and 1.3 feet above tidal predictions. Wind speeds along North and South Carolina range from 10 to 20 knots with slightly higher gusts. Barometric pressure has leveled out across the region.

Tropical Storm ANA QuickLook, POSTED 18:00 EDT 05/09/2015

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.

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 QuickLookHomepage.

Analyst: AJC

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TROPICAL STORM ANA ADVISORY NUMBER 8

NWS NATIONAL HURRICANE CENTER MIAMI FL

500 PM EDT SAT MAY 09 2015

...ANA HEADED FOR THE COASTS OF NORTH AND SOUTH CAROLINA...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

\* South Santee River South Carolina to Cape Lookout

A Tropical Storm Watch is in effect for...

\* Edisto Beach South Carolina to South of South Santee River

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area, in this case within 12-24 hours.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area, in this case within 12-24 hours.

Interests elsewhere in eastern North Carolina and Virginia should monitor the progress of Ana.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

## Tropical Storm ANA QuickLook, POSTED 18:00 EDT 05/09/2015

At 500 PM EDT, the center of Tropical Storm Ana was located about 65 MI SSE of Myrtle Beach, South Carolina. Ana is moving toward the northwest near 3 mph. A turn toward the north and northeast with a gradual increase in forward speed is expected over the next 48 hours. On the forecast track, the center will be very near the coasts of South and North Carolina by Sunday morning.

Maximum sustained winds are near 60 mph with higher gusts. Gradual weakening is forecast as Ana moves over cooler waters close to the coastline overnight. A more rapid rate of weakening will begin after the center crosses the coast.

Tropical storm force winds extend outward up to 125 miles from the center. NOAA buoy 41013, located about 35 miles south-southeast of Cape Fear North Carolina, recently reported sustained winds of 42 mph with a gust to 54 mph.

The estimated minimum central pressure is 1001 mb.

### HAZARDS AFFECTING LAND

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**WIND:** Tropical storm conditions are expected within the warning area, and are possible within the watch area, by this evening or later tonight.

**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 1 to 2 ft above ground at times of high tide in coastal areas from Cape Hatteras, North Carolina southward through South Carolina. For information specific to your area, please see products issued by your local National Weather Service forecast office.

**RAINFALL:** Ana is expected to produce rainfall accumulations of 2 to 4 inches, with isolated maximum amounts of 6 inches over eastern portions of North Carolina and South Carolina through Monday.

**SURF:** Swells generated by Ana are affecting portions of the southeastern U.S. coast. These swells will likely cause life-threatening surf and rip currents. Please see statements issued by your local National Weather Service forecast office.

### NEXT ADVISORY

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Next intermediate advisory at 800 PM EDT.

Next complete advisory at 1100 PM EDT.

Forecaster Pasch

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.

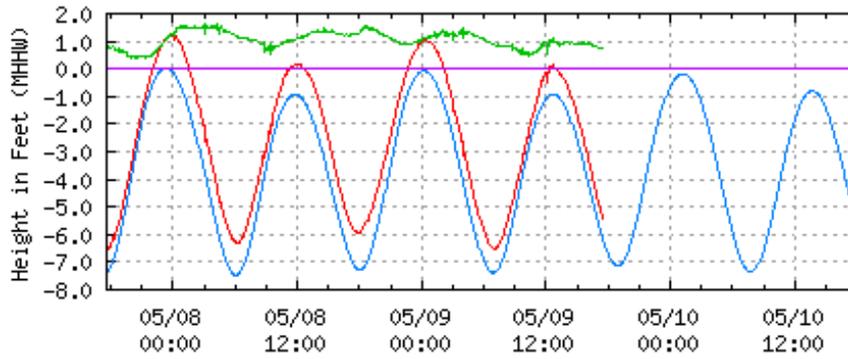
Jump to: [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Springmaid Pier -](#)

Tropical Storm ANA QuickLook, POSTED 18:00 EDT 05/09/2015

Water Level, Springmaid Pier - Winds, Springmaid Pier - Barometric, Wrightsville Beach - Water Level, Wrightsville Beach - Winds, Wrightsville Beach - Barometric, Beaufort - Water Level, Beaufort - Winds, Beaufort - Barometric

Tropical Storm ANA QuickLook, POSTED 18:00 EDT 05/09/2015

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



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

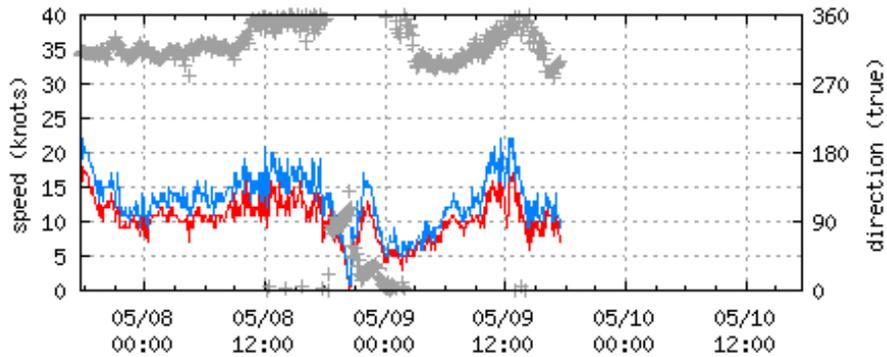
Last Observed Sample: 05/09/2015 17:30 (EDT). Data relative to MHHW

Observed: -5.43 ft. Predicted: -6.21 ft. Residual: 0.78 ft.

Historical Maximum Water Level: Oct 15 1947, 3.40 ft.

Next High Tide: 05/10/2015 01:11 (EDT), -0.17 ft.

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA  
Wind Speed / Gusts / Direction

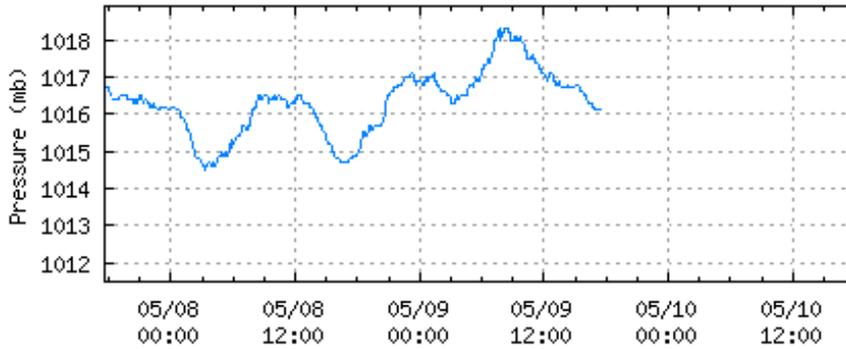


speed ——— gusts ——— direction +

Last Observed Sample: 05/09/2015 17:30 (EDT)

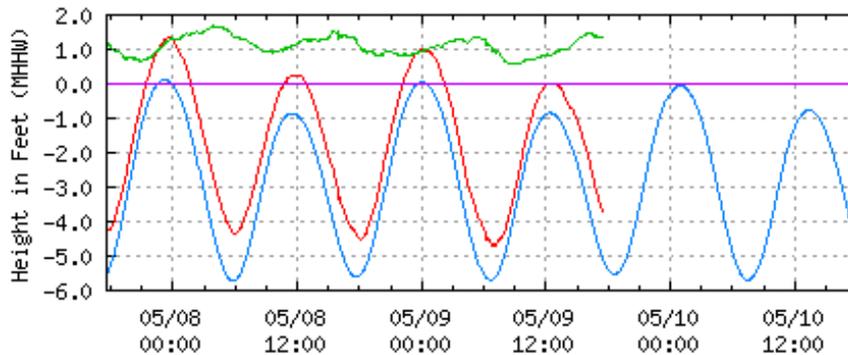
Wind Speed: 7 knots Gusts: 9 knots Direction: 298° T

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 05/09/2015 17:30 (EDT)  
Barometric Pressure: 1016.1 mb

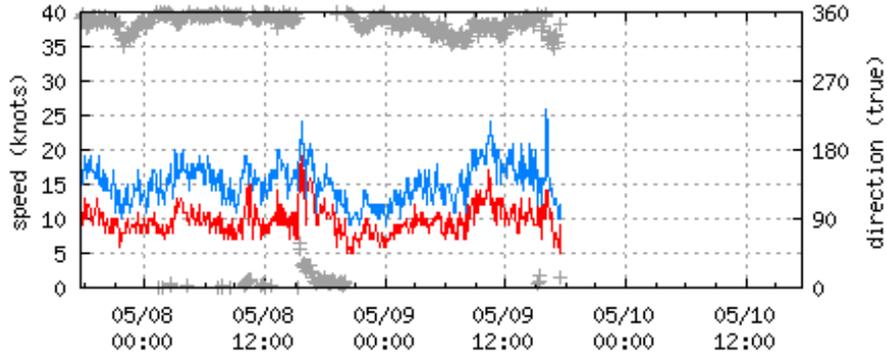
NOAA/NOS/CO-OPS 8665530 Charleston, SC  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



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

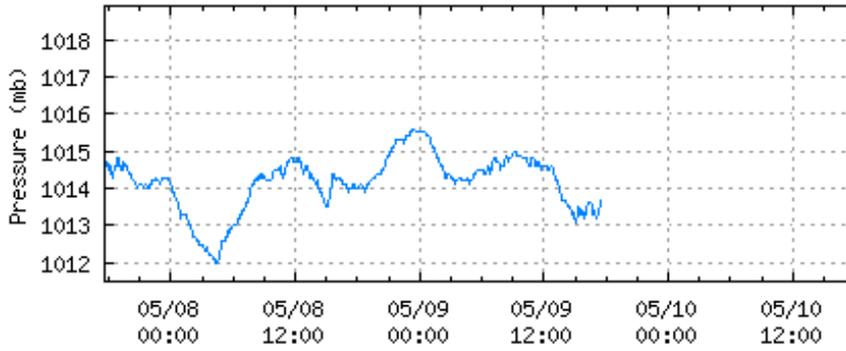
Last Observed Sample: 05/09/2015 17:30 (EDT). Data relative to MHHW  
**Observed: -3.72 ft. Predicted: -5.09 ft. Residual: 1.37 ft.**  
Historical Maximum Water Level: Sep 21 1989, 6.76 ft.  
Next High Tide: 05/10/2015 00:56 (EDT), -0.06 ft.

NOAA/NOS/CO-OPS 8665530 Charleston, SC  
Wind Speed / Gusts / Direction



speed — gusts — direction +  
Last Observed Sample: 05/09/2015 17:30 (EDT)  
Wind Speed: 9 knots Gusts: 12 knots Direction: 13° T

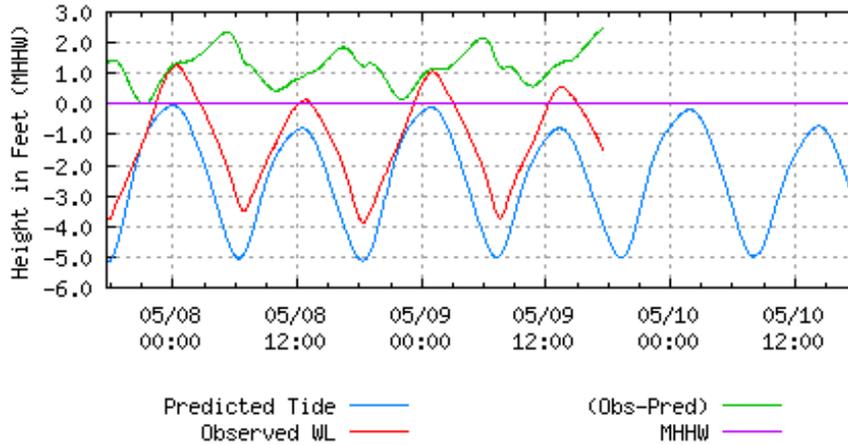
NOAA/NOS/CO-OPS 8665530 Charleston, SC  
Barometric Pressure



barometric pressure —

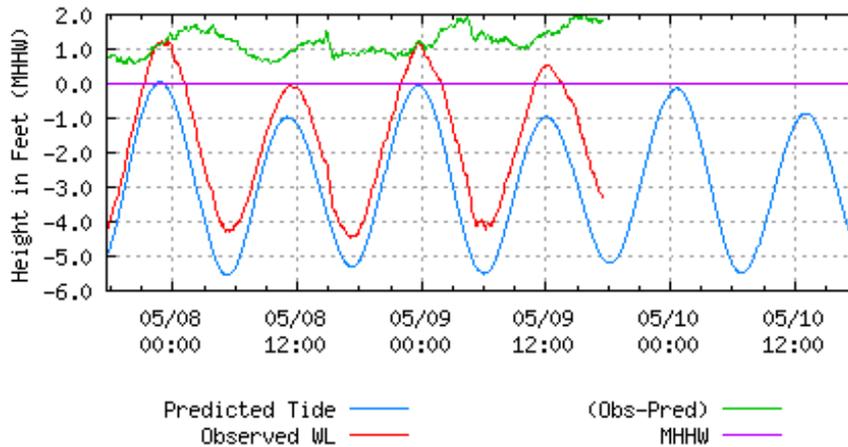
Last Observed Sample: 05/09/2015 17:30 (EDT)  
Barometric Pressure: 1013.7 mb

NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)

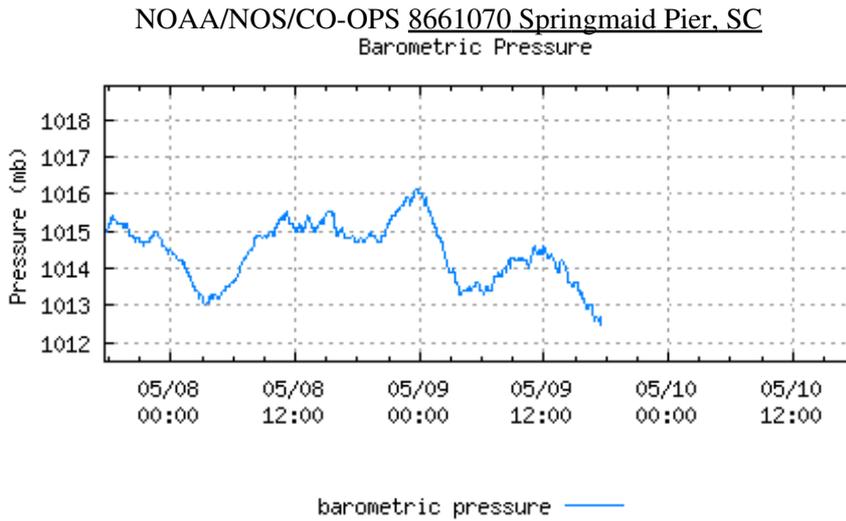
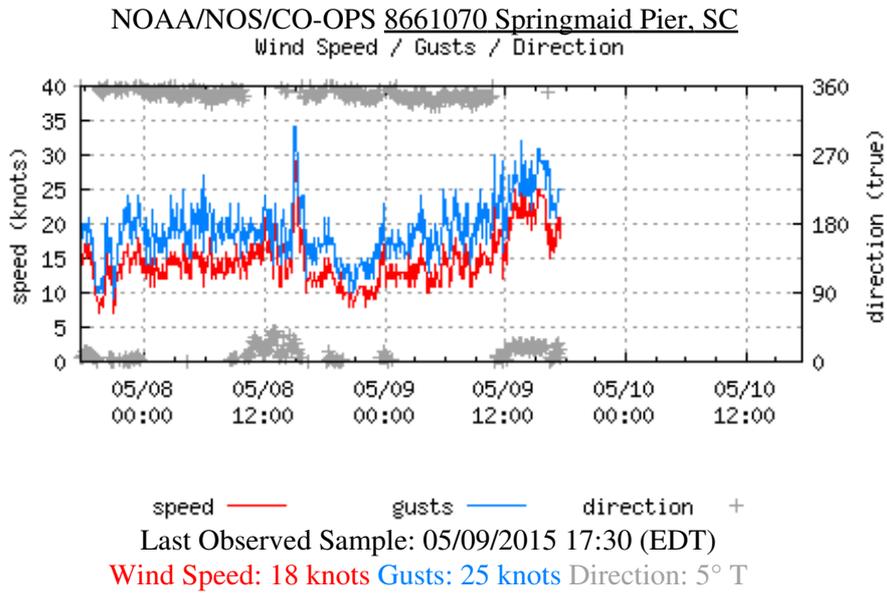


Last Observed Sample: 05/09/2015 17:30 (EDT). Data relative to MHHW  
**Observed: -1.49 ft. Predicted: -3.95 ft. Residual: 2.46 ft.**  
Historical Maximum Water Level: Aug 26 2011, 2.40 ft.  
Next High Tide: 05/10/2015 01:52 (EDT), -0.18 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)

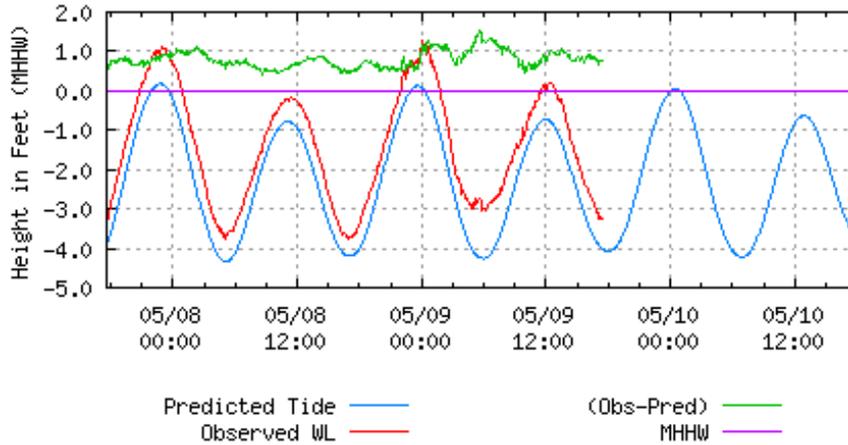


Last Observed Sample: 05/09/2015 17:30 (EDT). Data relative to MHHW  
**Observed: -3.27 ft. Predicted: -5.08 ft. Residual: 1.81 ft.**  
Historical Maximum Water Level: Jan 1 1987, 3.65 ft.  
Next High Tide: 05/10/2015 00:37 (EDT), -0.14 ft.



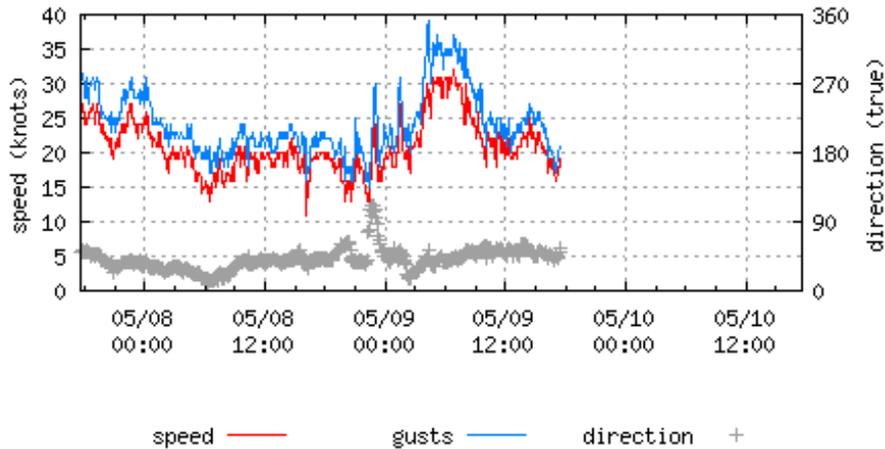
Last Observed Sample: 05/09/2015 17:30 (EDT)  
Barometric Pressure: 1012.7 mb

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC  
 Preliminary Water Level, relative to Mean Higher High Water(MHHW)



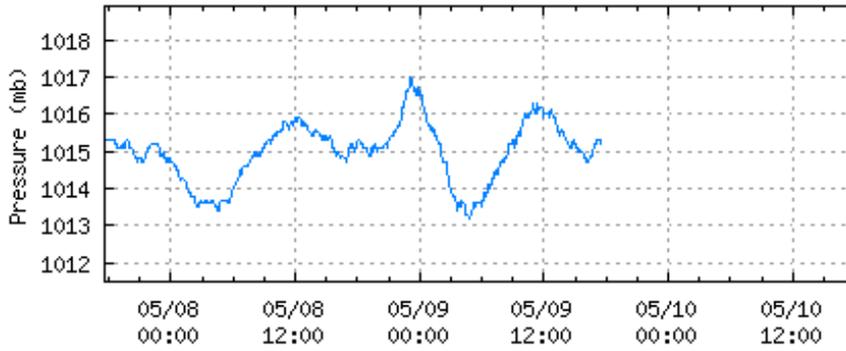
Last Observed Sample: 05/09/2015 17:30 (EDT). Data relative to MHHW  
**Observed: -3.25 ft. Predicted: -4.02 ft. Residual: 0.77 ft.**  
 Historical Maximum Water Level: Sep 25 2008, 2.81 ft.  
 Next High Tide: 05/10/2015 00:28 (EDT), 0.06 ft.

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC  
 Wind Speed / Gusts / Direction



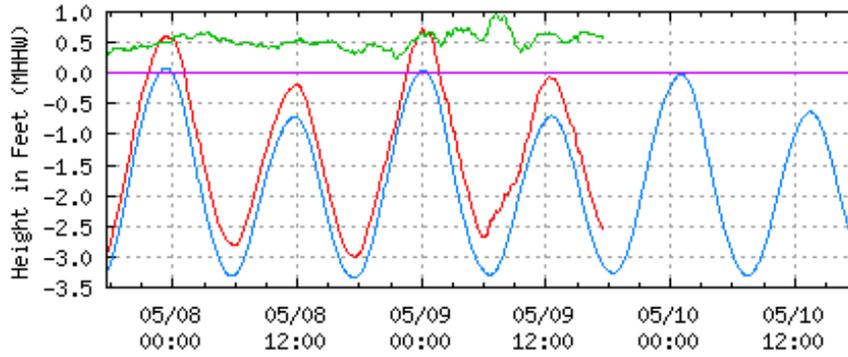
Last Observed Sample: 05/09/2015 17:30 (EDT)  
**Wind Speed: 19 knots Gusts: 21 knots Direction: 55° T**

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 05/09/2015 17:30 (EDT)  
Barometric Pressure: 1015.2 mb

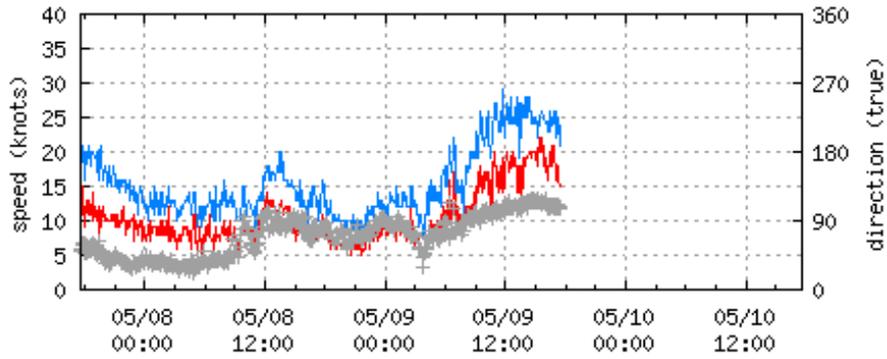
NOAA/NOS/CO-OPS 8656483 Beaufort, NC  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



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

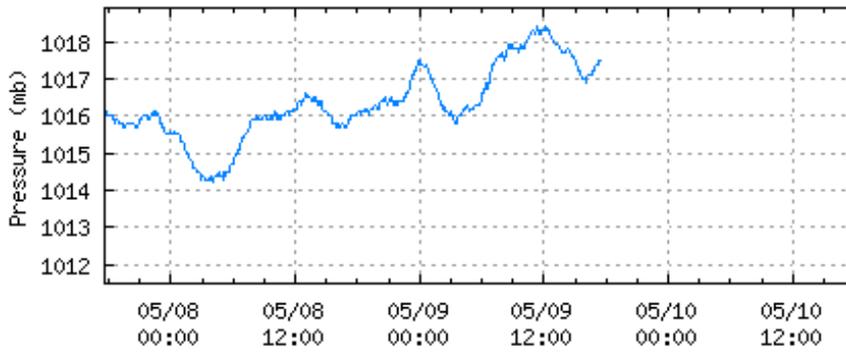
Last Observed Sample: 05/09/2015 17:30 (EDT). Data relative to MHHW  
**Observed: -2.55 ft. Predicted: -3.13 ft. Residual: 0.58 ft.**  
Historical Maximum Water Level: Sep 14 2005, 3.01 ft.  
Next High Tide: 05/10/2015 01:01 (EDT), -0.02 ft.

NOAA/NOS/CO-OPS 8656483 Beaufort, NC  
Wind Speed / Gusts / Direction



speed — gusts — direction +  
Last Observed Sample: 05/09/2015 17:30 (EDT)  
Wind Speed: 15 knots Gusts: 21 knots Direction: 105° T

NOAA/NOS/CO-OPS 8656483 Beaufort, NC  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 05/09/2015 17:30 (EDT)  
Barometric Pressure: 1017.5 mb

Tropical Storm ANA QuickLook, POSTED 18:00 EDT 05/09/2015

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8670870	Fort Pulaski, GA	05/09/2015 17:30 (EDT)	-5.43 ft	-6.21 ft	0.78 ft	1.03 ft
8665530	Charleston, SC	05/09/2015 17:30 (EDT)	-3.72 ft	-5.09 ft	1.37 ft	1.01 ft
8662245	Oyster Landing (N Inlet Estuary), SC	05/09/2015 17:30 (EDT)	-1.49 ft	-3.95 ft	2.46 ft	1.05 ft
8661070	Springmaid Pier, SC	05/09/2015 17:30 (EDT)	-3.27 ft	-5.08 ft	1.81 ft	1.17 ft
8658163	Wrightsville Beach, NC	05/09/2015 17:30 (EDT)	-3.25 ft	-4.02 ft	0.77 ft	1.26 ft
8656483	Beaufort, NC	05/09/2015 17:30 (EDT)	-2.55 ft	-3.13 ft	0.58 ft	0.72 ft

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