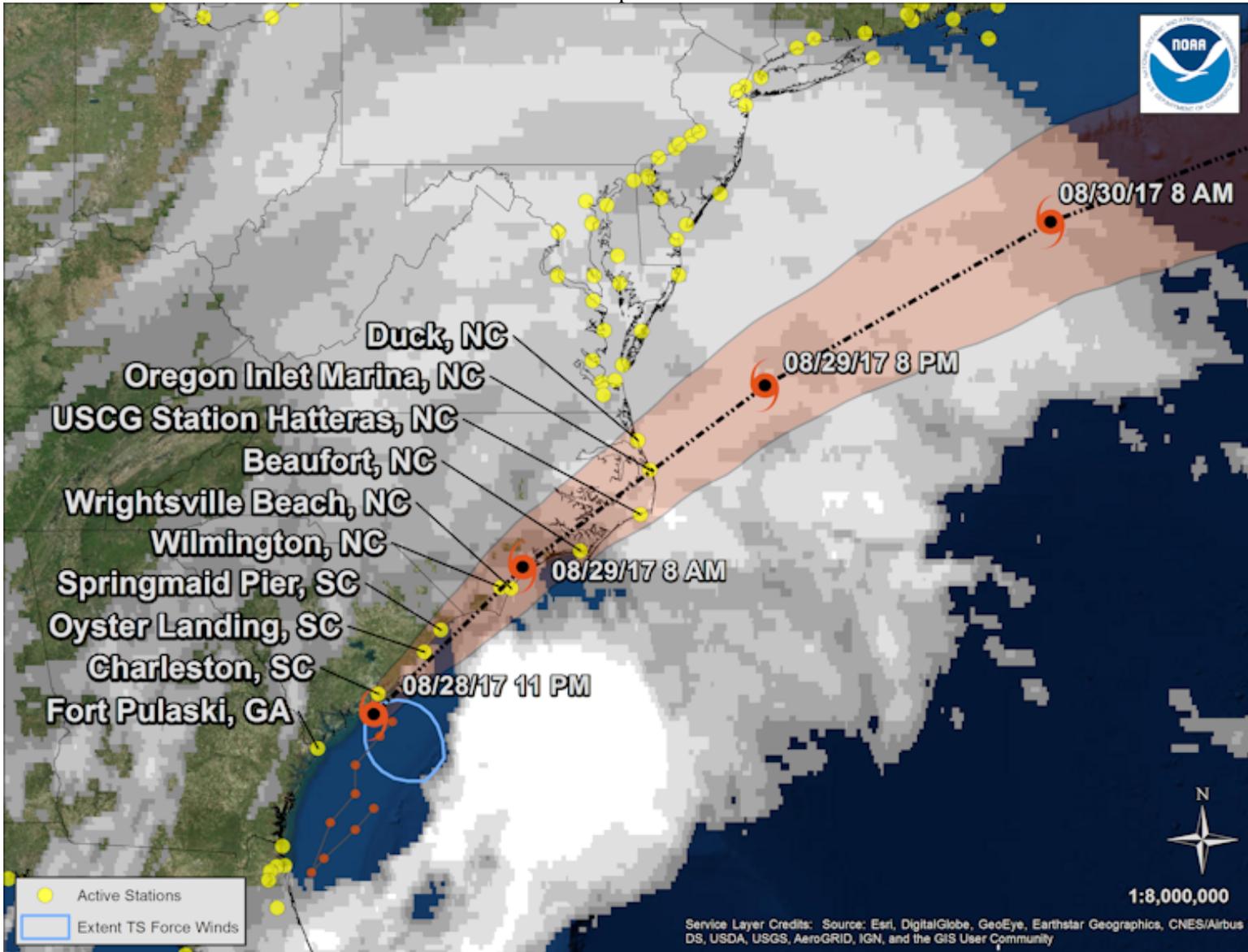




Potential Tropical Cyclone TEN QuickLook  
Posted: 00:00 EDT 08/29/2017

### NOAA and NOAA Partnership Stations Relative to the Storm



### Storm Analysis

As of 08/29/2017 0000 EDT, water levels along the Atlantic coast from Georgia to North Carolina remain elevated at a range between 1 and 2 feet above normal tide levels. Water levels within Pamlico Sound at Oregon Inlet Marina, NC and USCG Hatteras, NC are near or slightly above normal tide levels by less than a foot.

Winds generally range between 10 and 20 knots with slightly higher gusts; however, winds at Duck, NC are measuring close to 30 knots with gusts to 35 kts. Barometric pressure is gradually falling across the region.

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 real-time and historical inundation information for select stations affected by this storm, please see Coastal Inundation Dashboard.

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: RCL

-----  
SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:  
POTENTIAL TROPICAL CYCLONE TEN ADVISORY NUMBER 6  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
1100 PM EDT MON AUG 28 2017

...DISTURBANCE LOCATED VERY NEAR THE SOUTH CAROLINA COAST...  
...PRODUCING GUSTY WINDS AND HEAVY RAINS...

SUMMARY OF 1100 PM EDT...0300 UTC...INFORMATION

-----  
LOCATION...32.5N 80.0W  
ABOUT 20 MI...35 KM SSW OF CHARLESTON SOUTH CAROLINA  
ABOUT 175 MI...280 KM SW OF WILMINGTON NORTH CAROLINA  
MAXIMUM SUSTAINED WINDS...40 MPH...65 KM/H  
PRESENT MOVEMENT...NNE OR 20 DEGREES AT 7 MPH...11 KM/H  
MINIMUM CENTRAL PRESSURE...1005 MB...29.68 INCHES

WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY:

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A TROPICAL STORM WARNING IS IN EFFECT FOR...  
\* NORTH OF SURF CITY TO DUCK  
\* ALBEMARLE SOUND  
\* PAMLICO SOUND

A TROPICAL STORM WATCH IS IN EFFECT FOR...  
\* SURF CITY TO SOUTH SANTEE RIVER

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA.

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

-----  
AT 1100 PM EDT (0300 UTC), THE DISTURBANCE WAS CENTERED NEAR LATITUDE 32.5 NORTH, LONGITUDE 80.0 WEST. THE SYSTEM IS MOVING TOWARD THE NORTH-NORTHEAST NEAR 7 MPH (11 KM/H). A FASTER NORTHEAST MOTION IS EXPECTED DURING THE NEXT COUPLE OF DAYS. ON THE FORECAST TRACK, THE SYSTEM WILL MOVE NEAR OR OVER THE COAST OF SOUTH CAROLINA TONIGHT AND ACROSS THE NORTH CAROLINA OUTER BANKS ON TUESDAY.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 40 MPH (65 KM/H) WITH HIGHER GUSTS. THE DISTURBANCE IS NOT EXPECTED TO CHANGE MUCH IN STRENGTH TONIGHT OR EARLY TUESDAY AND THE CHANCES FOR THE SYSTEM TO BECOME A TROPICAL CYCLONE APPEAR TO BE DECREASING. REGARDLESS OF WHETHER OR NOT THIS SYSTEM BECOMES A TROPICAL CYCLONE, TROPICAL-STORM-FORCE WINDS AND HEAVY RAINS ARE EXPECTED OVER PORTIONS OF THE CAROLINAS DURING THE NEXT DAY OR SO.

\* FORMATION CHANCE THROUGH 48 HOURS...MEDIUM...50 PERCENT

\* FORMATION CHANCE THROUGH 5 DAYS...MEDIUM...50 PERCENT

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 90 MILES (150 KM) SOUTHEAST OF THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 1005 MB (29.68 INCHES).

#### HAZARDS AFFECTING LAND

-----  
WIND: TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA TONIGHT AND TUESDAY AND TROPICAL STORM CONDITIONS ARE POSSIBLE IN THE WATCH AREA TONIGHT.

RAINFALL: THE SYSTEM IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 3 TO 6 INCHES ALONG NORTHEASTERN SOUTH CAROLINA, NORTH CAROLINA, AND SOUTHEAST VIRGINIA COASTS, WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 9 INCHES. THE HEAVIER RAINS MAY RESULT IN SOME FLOODING CONCERNS ALONG COASTAL AREAS.

SURF: SWELLS GENERATED BY THIS DISTURBANCE WILL AFFECT PORTIONS OF THE SOUTH CAROLINA, NORTH CAROLINA, AND VIRGINIA COASTS DURING THE

NEXT DAY OR SO, CREATING DANGEROUS SURF AND RIP CURRENT CONDITIONS.  
PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE.

TORNADOES: A BRIEF TORNADO IS POSSIBLE TONIGHT THROUGH MIDDAY  
TUESDAY ALONG THE SOUTH CAROLINA AND NORTH CAROLINA COASTS.

NEXT ADVISORY

-----

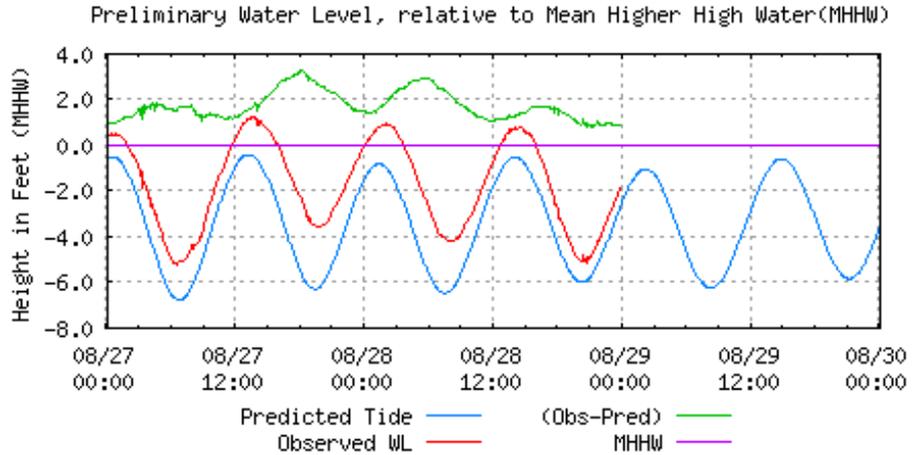
NEXT INTERMEDIATE ADVISORY AT 200 AM EDT.  
NEXT COMPLETE ADVISORY AT 500 AM EDT.

FORECASTER CANGIALOSI

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, Cooper River Entrance - Water Level](#), [Charleston, Cooper River Entrance - Winds](#), [Charleston, Cooper River Entrance - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Wilmington - Water Level](#), [Beaufort - Water Level](#), [Beaufort - Winds](#), [Beaufort - Barometric](#), [USCG Station Hatteras - Water Level](#), [USCG Station Hatteras - Winds](#), [Oregon Inlet Marina - Water Level](#), [Oregon Inlet Marina - Winds](#), [Duck - Water Level](#), [Duck - Winds](#)

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



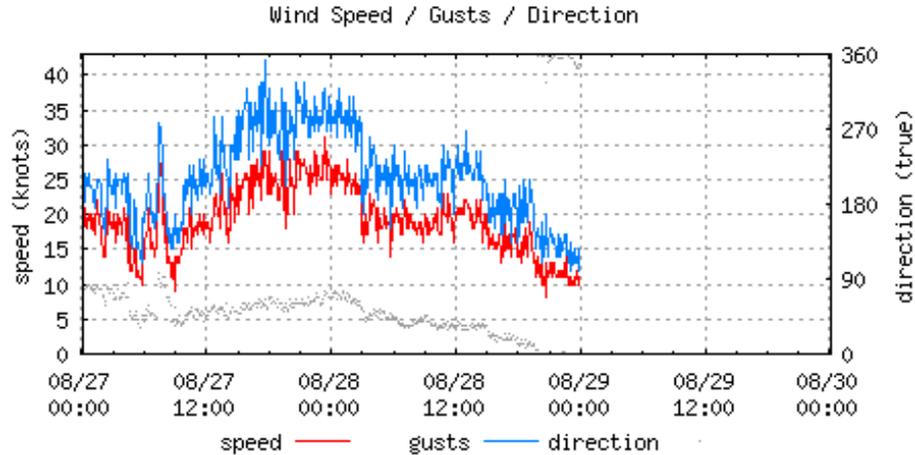
Last Observed Sample: 08/29/2017 00:00 (EDT). Data relative to MHHW

Observed: -1.71 ft. Predicted: -2.57 ft. Residual: 0.86 ft.

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

Next High Tide: 08/29/2017 02:14 (EDT), -1.03 ft.

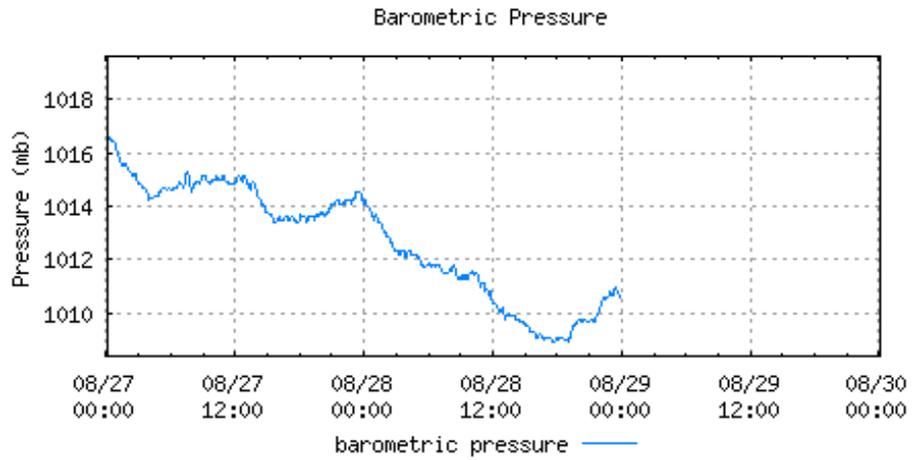
NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



Last Observed Sample: 08/29/2017 00:00 (EDT)

Wind Speed: 11 knots Gusts: 15 knots Direction: 343° T

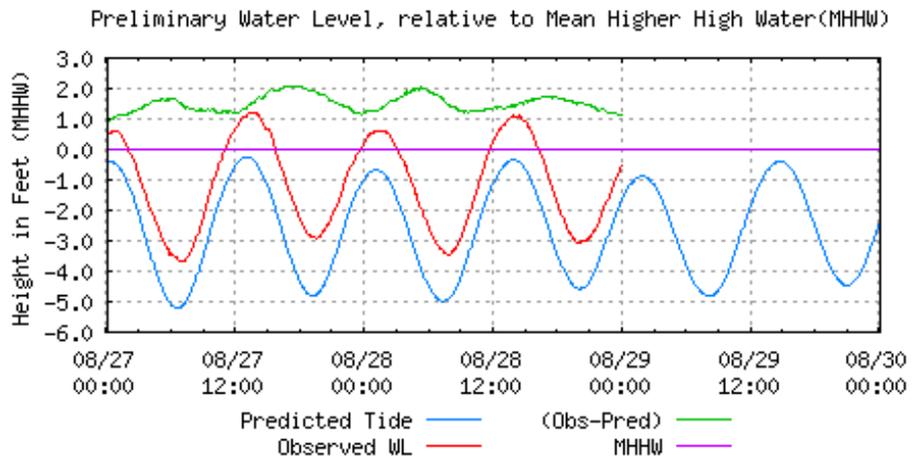
NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



Last Observed Sample: 08/29/2017 00:00 (EDT)

Barometric Pressure: 1010.7 mb

NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



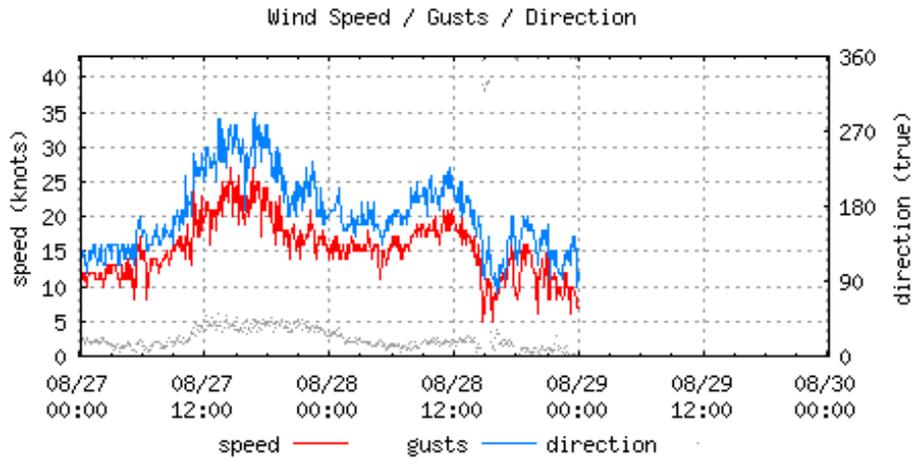
Last Observed Sample: 08/29/2017 00:00 (EDT). Data relative to MHHW

Observed: -0.56 ft. Predicted: -1.67 ft. Residual: 1.11 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 08/29/2017 01:56 (EDT), -0.88 ft.

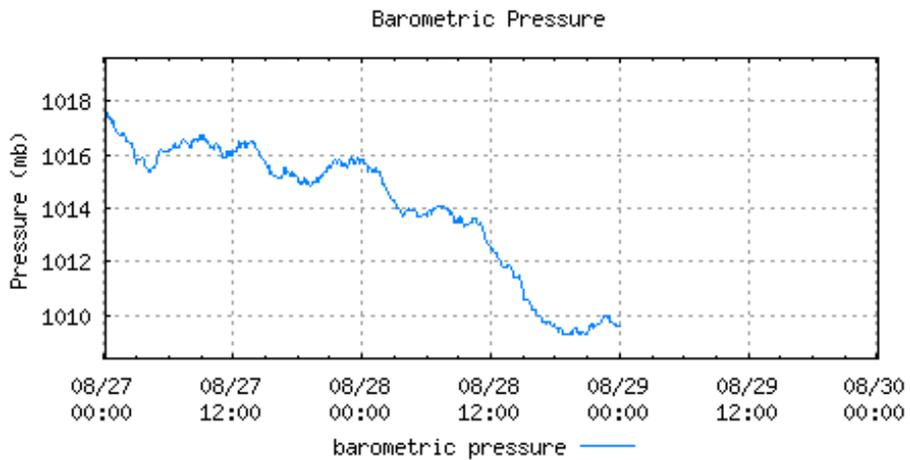
NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 08/29/2017 00:00 (EDT)

Wind Speed: 7 knots Gusts: 12 knots Direction: 346° T

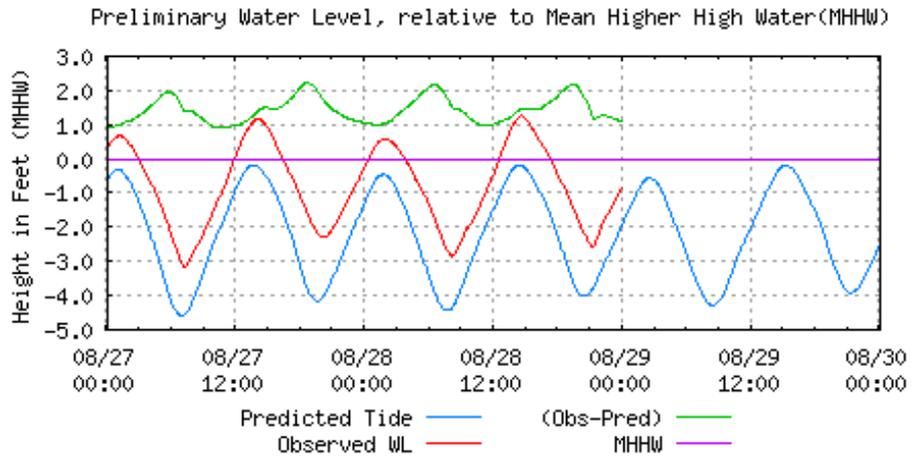
NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 08/29/2017 00:00 (EDT)

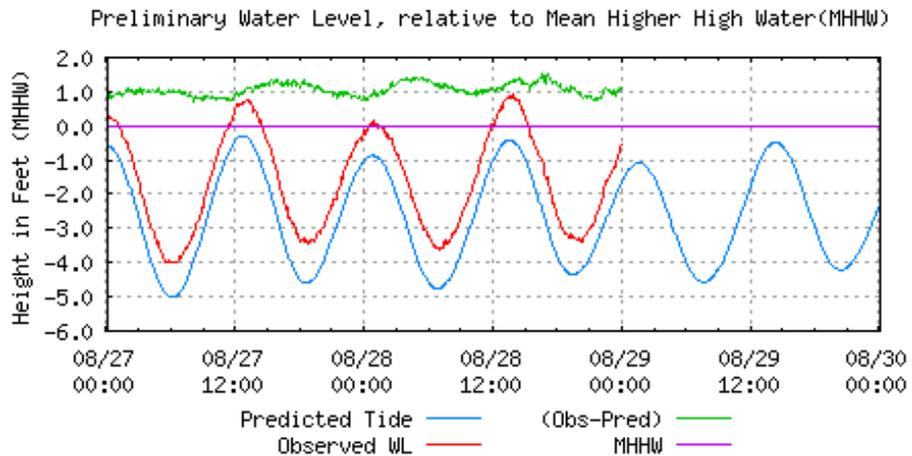
Barometric Pressure: 1009.6 mb

NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC



Last Observed Sample: 08/29/2017 00:00 (EDT). Data relative to MHHW  
**Observed: -0.86 ft. Predicted: -1.98 ft. Residual: 1.12 ft.**  
 Historical Maximum Water Level: Oct 8 2016, 4.64 ft.  
 Next High Tide: 08/29/2017 02:37 (EDT), -0.56 ft.

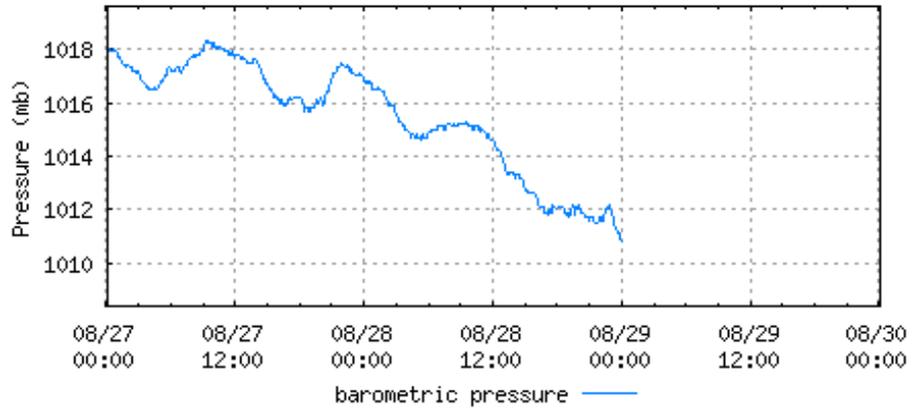
NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC



Last Observed Sample: 08/29/2017 00:00 (EDT). Data relative to MHHW  
**Observed: -0.54 ft. Predicted: -1.66 ft. Residual: 1.12 ft.**  
 Historical Maximum Water Level: Jan 1 1987, 3.65 ft.  
 Next High Tide: 08/29/2017 01:38 (EDT), -1.08 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC

Barometric Pressure



Last Observed Sample: 08/29/2017 00:00 (EDT)

Barometric Pressure: 1010.8 mb

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

NOAA/NOS/CO-OPS

This data type is not currently available from this station.

Last Observed Sample: 08/29/2017 00:06 (EDT). Data relative to MHHW

Observed: 0.19 ft. Predicted: -1.04 ft. Residual: 1.23 ft.

Historical Maximum Water Level: Sep 25 2008, 2.81 ft.

Next High Tide: 08/29/2017 01:24 (EDT), -0.69 ft.

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


This data type is not currently available from this station.

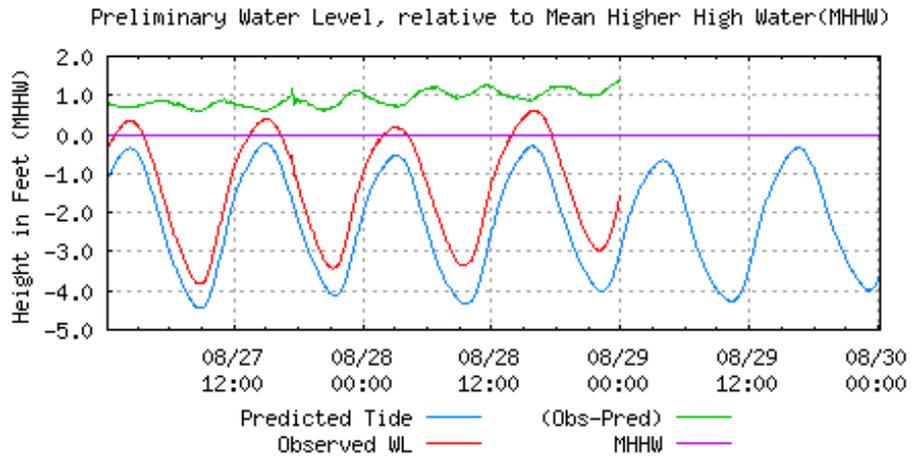
Last Observed Sample: 08/29/2017 00:06 (EDT)  
Wind Speed: 7 knots Gusts: 8 knots Direction: 51° T

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


This data type is not currently available from this station.

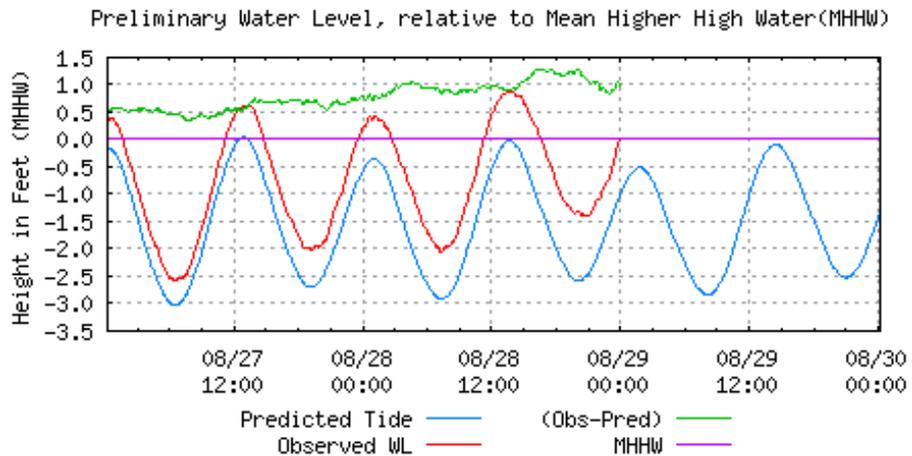
Last Observed Sample: 08/29/2017 00:06 (EDT)  
Barometric Pressure: 1012.0 mb

NOAA/NOS/CO-OPS 8658120 Wilmington, NC



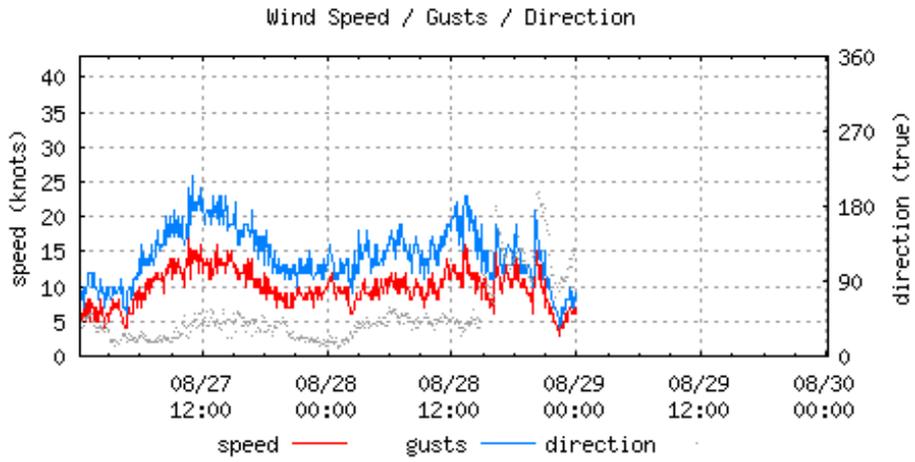
Last Observed Sample: 08/29/2017 00:00 (EDT). Data relative to MHHW  
**Observed: -1.57 ft. Predicted: -2.97 ft. Residual: 1.40 ft.**  
 Historical Maximum Water Level: Oct 8 2016, 3.48 ft.  
 Next High Tide: 08/29/2017 03:58 (EDT), -0.66 ft.

NOAA/NOS/CO-OPS 8656483 Beaufort, NC



Last Observed Sample: 08/29/2017 00:00 (EDT). Data relative to MHHW  
**Observed: -0.01 ft. Predicted: -1.00 ft. Residual: 0.99 ft.**  
 Historical Maximum Water Level: Sep 14 2005, 3.01 ft.  
 Next High Tide: 08/29/2017 01:49 (EDT), -0.51 ft.

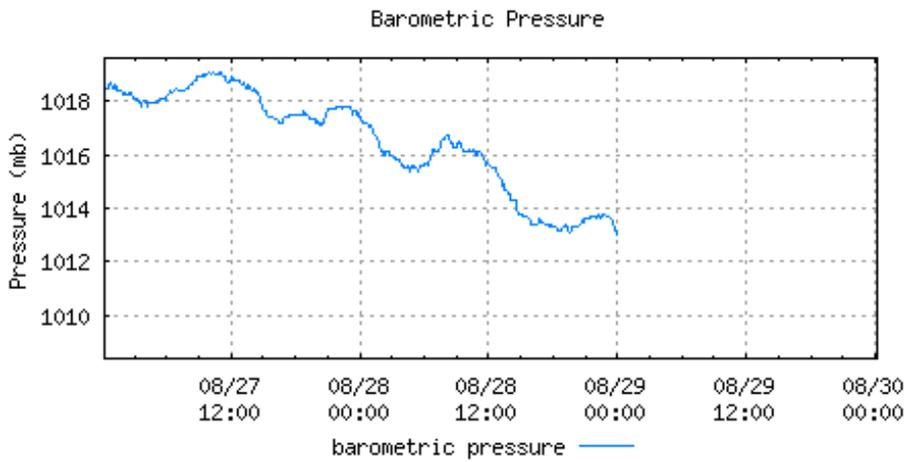
NOAA/NOS/CO-OPS 8656483 Beaufort, NC



Last Observed Sample: 08/29/2017 00:00 (EDT)

Wind Speed: 6 knots Gusts: 8 knots Direction: 101° T

NOAA/NOS/CO-OPS 8656483 Beaufort, NC

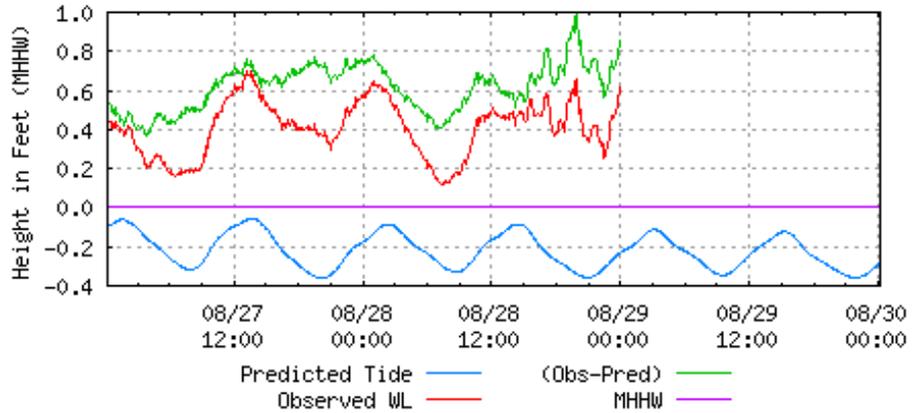


Last Observed Sample: 08/29/2017 00:00 (EDT)

Barometric Pressure: 1013.0 mb

NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC

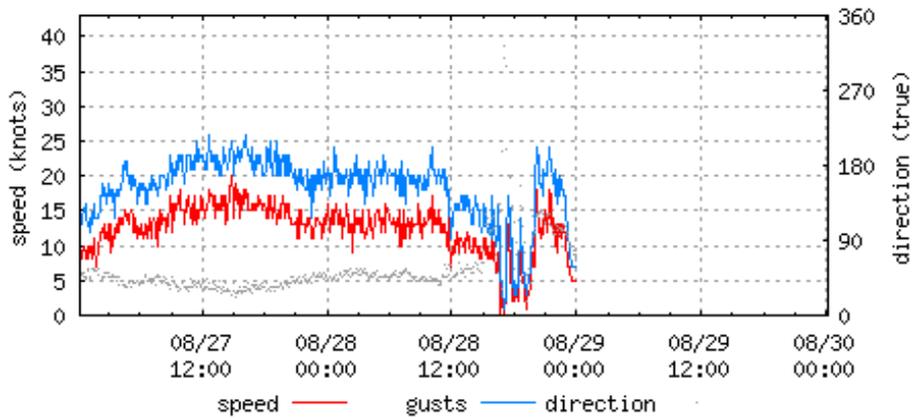
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/29/2017 00:00 (EDT). Data relative to MHHW  
**Observed: 0.62 ft. Predicted: -0.23 ft. Residual: 0.85 ft.**  
 Historical Maximum Water Level: Oct 9 2016, 5.71 ft.  
 Next High Tide: 08/29/2017 03:09 (EDT), -0.12 ft.

NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC

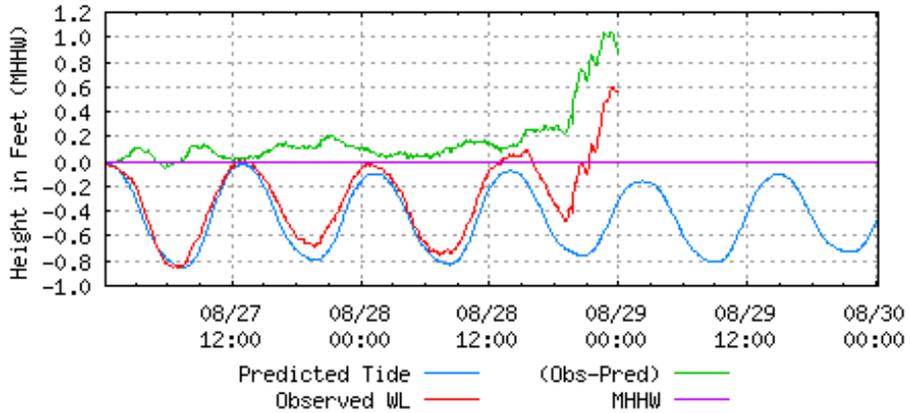
Wind Speed / Gusts / Direction



Last Observed Sample: 08/29/2017 00:00 (EDT)  
**Wind Speed: 5 knots Gusts: 7 knots Direction: 72° T**

NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC

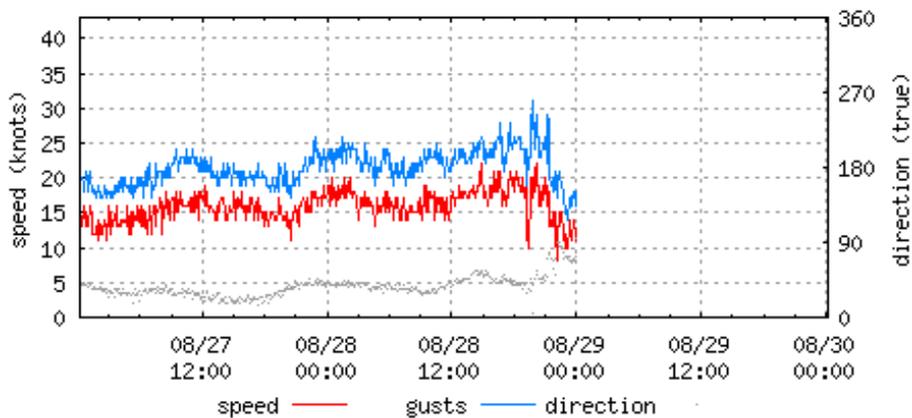
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/29/2017 00:00 (EDT). Data relative to MHHW  
**Observed: 0.56 ft. Predicted: -0.32 ft. Residual: 0.88 ft.**  
 Historical Maximum Water Level: Aug 28 2011, 6.32 ft.  
 Next High Tide: 08/29/2017 02:13 (EDT), -0.16 ft.

NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC

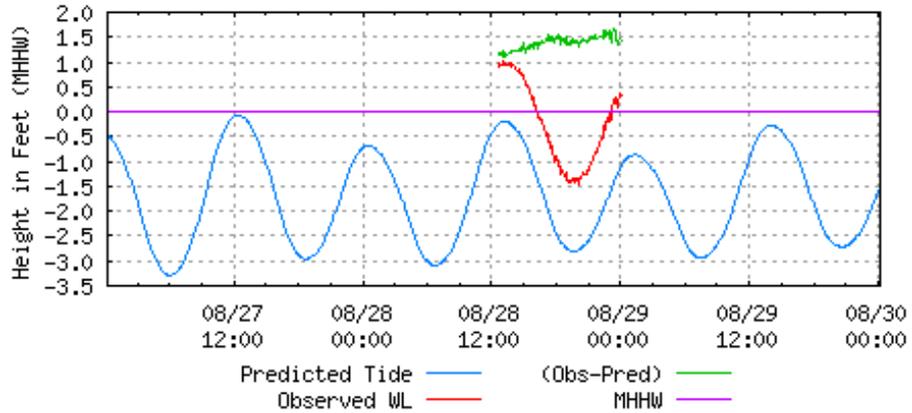
Wind Speed / Gusts / Direction



Last Observed Sample: 08/29/2017 00:00 (EDT)  
**Wind Speed: 11 knots Gusts: 16 knots Direction: 96° T**

NOAA/NOS/CO-OPS 8651370 Duck, NC

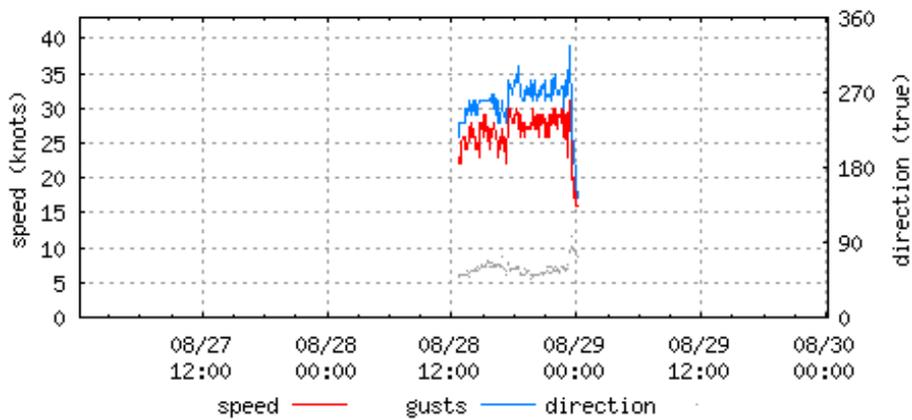
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/29/2017 00:06 (EDT). Data relative to MHHW  
**Observed: 0.34 ft. Predicted: -1.09 ft. Residual: 1.43 ft.**  
 Historical Maximum Water Level: Sep 18 2003, 4.13 ft.  
 Next High Tide: 08/29/2017 01:19 (EDT), -0.87 ft.

NOAA/NOS/CO-OPS 8651370 Duck, NC

Wind Speed / Gusts / Direction



Last Observed Sample: 08/29/2017 00:06 (EDT)  
**Wind Speed: 16 knots Gusts: 17 knots Direction: 72° T**

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	08/29/2017 00:00 (EDT)	-1.71 ft	-2.57 ft	0.86 ft	0.94 ft
8665530	Charleston, Cooper River Entrance, SC	08/29/2017 00:00 (EDT)	-0.56 ft	-1.67 ft	1.11 ft	1.11 ft
8662245	Oyster Landing (N Inlet Estuary), SC	08/29/2017 00:00 (EDT)	-0.86 ft	-1.98 ft	1.12 ft	1.25 ft
8661070	Springmaid Pier, SC	08/29/2017 00:00 (EDT)	-0.54 ft	-1.66 ft	1.12 ft	0.92 ft
8658163	Wrightsville Beach, NC	08/29/2017 00:06 (EDT)	0.19 ft	-1.04 ft	1.23 ft	1.23 ft
8658120	Wilmington, NC	08/29/2017 00:00 (EDT)	-1.57 ft	-2.97 ft	1.40 ft	0.60 ft
8656483	Beaufort, NC	08/29/2017 00:00 (EDT)	-0.01 ft	-1.00 ft	0.99 ft	0.89 ft
8654467	USCG Station Hatteras, NC	08/29/2017 00:00 (EDT)	0.62 ft	-0.23 ft	0.85 ft	0.66 ft
8652587	Oregon Inlet Marina, NC	08/29/2017 00:00 (EDT)	0.56 ft	-0.32 ft	0.88 ft	0.60 ft
8651370	Duck, NC	08/29/2017 00:06 (EDT)	0.34 ft	-1.09 ft	1.43 ft	1.04 ft

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