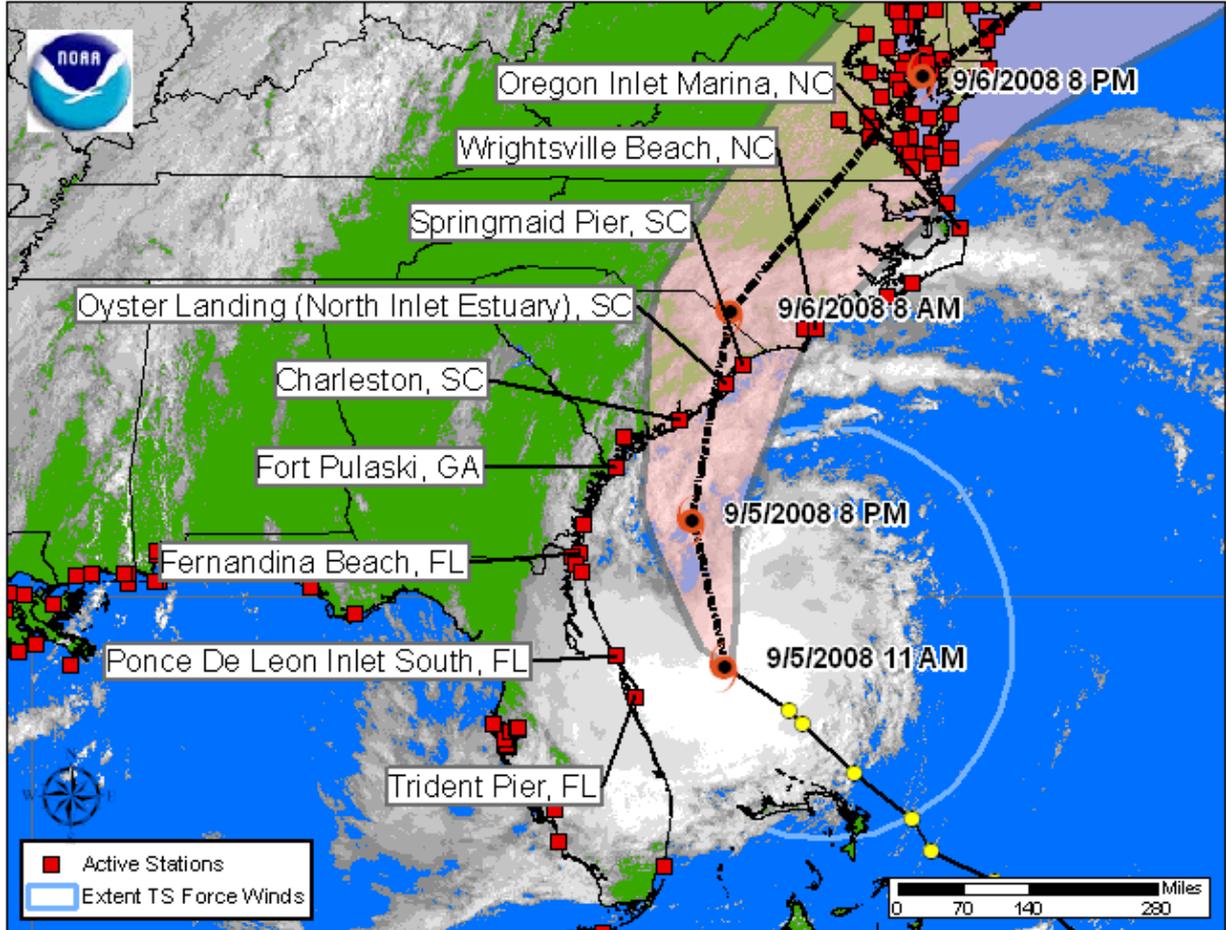




Tropical Storm HANNA QuickLook
Posted: 12:30 EDT 09/05/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/05/2008 12:30 EDT water levels along the eastern seaboard from Florida to South Carolina are elevated between 1.0 to 2.1 feet above predicted. Barometric pressure is falling along the coasts of Florida, Georgia and South Carolina. Wind speeds are decreasing at the Trident Pier, FL station. Barometric pressure are starting to fall at South Carolina and Georgia.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Trident Pier, FL: Next predicted high tide is 3.90 ft (1.19 m) at 09/05/2008 12:28 EDT.

Ponce De Leon Inlet South, FL: Next predicted high tide is 2.90 ft (0.88 m) at 09/05/2008 13:01 EDT.

Fernandina Beach, FL: Next predicted high tide is 6.30 ft (1.92 m) at 09/05/2008 13:33 EDT.

Fort Pulaski, GA: Next predicted high tide is 7.10 ft (2.16 m) at 09/05/2008 12:52 EDT.

Charleston, SC: Next predicted high tide is 5.57 ft (1.70 m) at 09/05/2008 12:42 EDT.

Oyster Landing (North Inlet Estuary), SC: Next predicted high tide is 5.00 ft (1.52 m) at 09/05/2008 13:24 EDT.

Springmaid Pier, SC: Next predicted high tide is 5.30 ft (1.62 m) at 09/05/2008 12:18 EDT.

Wrightville Beach, NC: Next predicted high tide is 3.50 ft (1.07 m) at 09/06/2008 00:17 EDT.

Oregon Inlet Marina, NC: Next predicted high tide is 1.00 ft (0.30 m) at 09/06/2008 00:53 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:TB

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM HANNA ADVISORY NUMBER 35

1100 AM EDT FRI SEP 05 2008

...CENTER OF HANNA OFF THE EAST COAST OF FLORIDA WARNINGS AND WATCHES EXTENDED NORTHWARD

AT 11 AM EDT THE TROPICAL STORM WARNING FOR THE UNITED STATES EAST COAST IS EXTENDED NORTHWARD TO SANDY HOOK NEW JERSEY INCLUDING ALL OF CHESAPEAKE BAY THE TIDAL POTOMAC WASHINGTON D.C. AND DELAWARE BAY. A TROPICAL WARNING IS NOW IN EFFECT FROM ALTAMAHA SOUND GEORGIA NORTHWARD ALONG THE ATLANTIC COAST TO SANDY HOOK NEW JERSEY INCLUDING PAMLICO AND ALBEMARLE SOUNDS INCLUDING ALL OF CHESAPEAKE BAY THE TIDAL POTOMAC WASHINGTON D.C. AND DELAWARE BAY. A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

THE HURRICANE WATCH REMAINS IN EFFECT FROM NORTH OF EDISTO BEACH SOUTH CAROLINA TO CURRITUCK BEACH LIGHT NORTH CAROLINA INCLUDING PAMLICO SOUND.

AT 1100 AM EDT A TROPICAL STORM WATCH IS IN EFFECT FROM NORTH OF SANDY HOOK NEW JERSEY TO WATCH HILL RHODE ISLAND INCLUDING LONG ISLAND. A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA GENERALLY

WITHIN 36 HOURS.

AT 1100 AM EDT THE CENTER OF TROPICAL STORM HANNA WAS LOCATED ABOUT 110 MILES EAST OF DAYTONA BEACH FLORIDA AND ABOUT 375 MILES SOUTH-SOUTHWEST OF WILMINGTON NORTH CAROLINA.

HANNA IS MOVING TOWARD THE NORTHWEST NEAR 20 MPH A TURN TOWARD THE NORTH IS EXPECTED LATER TODAY WITH A TURN TOWARD THE NORTHEAST AND AN INCREASE IN FORWARD SPEED EXPECTED ON SATURDAY. ON THE FORECAST TRACK THE CENTER OF HANNA WILL BE NEAR THE SOUTHEAST COAST OF THE UNITED STATES THIS AFTERNOON AND TONIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 65 MPH WITH HIGHER GUSTS. ONLY SLIGHT STRENGTHENING IS FORECAST PRIOR TO LANDFALL ALTHOUGH IT IS STILL POSSIBLE FOR HANNA TO BECOME A HURRICANE. WEAKENING IS EXPECTED AFTER LANDFALL.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 315 MILES

COASTAL STORM SURGE FLOODING OF 4 TO 6 FEET ABOVE NORMAL TIDE LEVELS ALONG WITH LARGE AND DANGEROUS BATTERING WAVES CAN BE EXPECTED NEAR AND TO THE EAST OF THE PATH OF THE CENTER OF HANNA.

HANNA IS EXPECTED TO PRODUCE RAINFALL ACCUMULATIONS OF 3 TO 7 INCHES FROM COASTAL SOUTH CAROLINA NORTHWARD THROUGH NORTH CAROLINA INTO CENTRAL VIRGINIA MARYLAND AND SOUTHEASTERN PENNSYLVANIA. ISOLATED MAXIMUM AMOUNTS OF 10 INCHES ARE POSSIBLE. ADDITIONAL RAINFALL AMOUNTS OF 1 TO 3 INCHES ARE POSSIBLE ALONG THE FLORIDA EAST COAST AND COASTAL GEORGIA. THE POTENTIAL FOR EXTREMELY HEAVY RAINFALL TOTALS AND FLASH FLOODING WILL BE SIGNIFICANT FOR THE NORTHERN MID-ATLANTIC STATES AND SOUTHERN NEW ENGLAND AS HANNA ADVANCES NORTHWARD ON SATURDAY AND SUNDAY. RAINFALL TOTALS OF 4 TO 8 INCHES WITH LOCALIZED HEAVIER AMOUNTS ARE POSSIBLE THERE.

ISOLATED TORNADOES ARE POSSIBLE TONIGHT OVER THE COASTAL AREAS OF SOUTH AND NORTH CAROLINA.

FORECASTER BEVEN

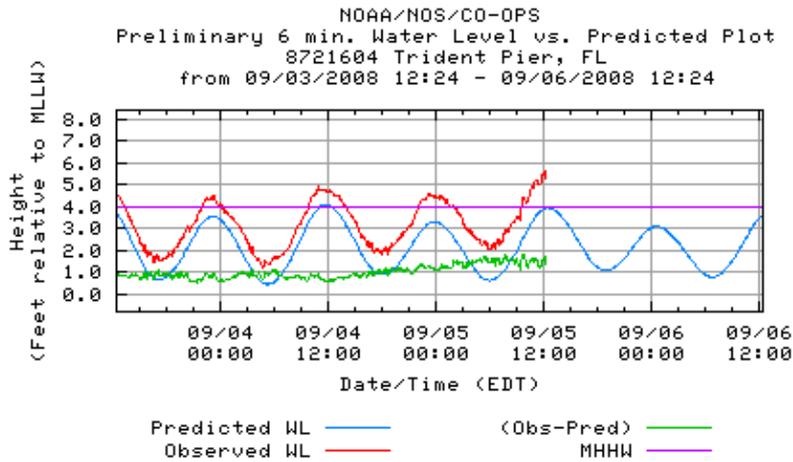
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Ponce De Leon Inlet South - Water Level](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Fernandina Beach - Air/Water Temp](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Fort Pulaski - Air/Water Temp](#), [Charleston - Water Level](#), [Oyster Landing \(North Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Springmaid Pier - Air/Water Temp](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Oregon Inlet Marina - Water Level](#), [Oregon Inlet](#)

Tropical Storm HANNA QuickLook, POSTED 12:30 EDT 09/05/2008

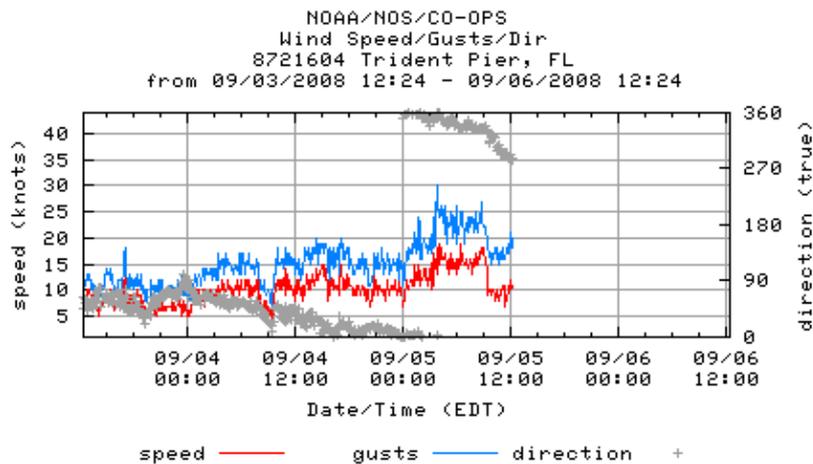
Marina - Winds, Oregon Inlet Marina - Barometric, Oregon Inlet Marina - Air/Water Temp,

Trident Pier, FL - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 12:12 (EDT)
 Relative to **MLLW**: **Observed: 5.29 ft. Predicted: 3.93 ft. Residual: 1.36 ft.**
 Historical Maximum Water Level: 09/16/2001, 2.28 ft. above **MHHW**

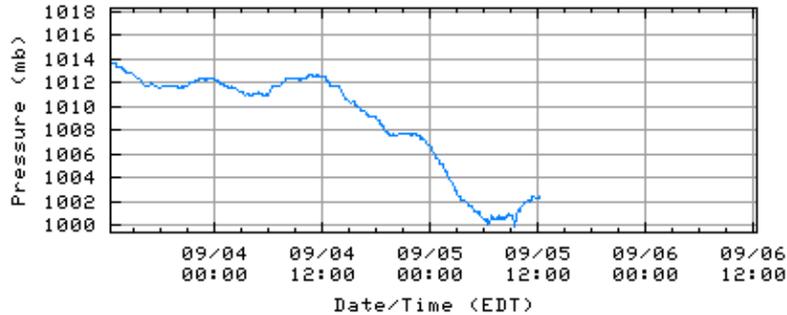
Trident Pier, FL - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 12:12 (EDT)
Wind Speed: 11 knots Gusts: 18 knots Direction: 283° T

Trident Pier, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Barometric Pressure Plot
 8721604 Trident Pier, FL
 from 09/03/2008 12:24 - 09/06/2008 12:24



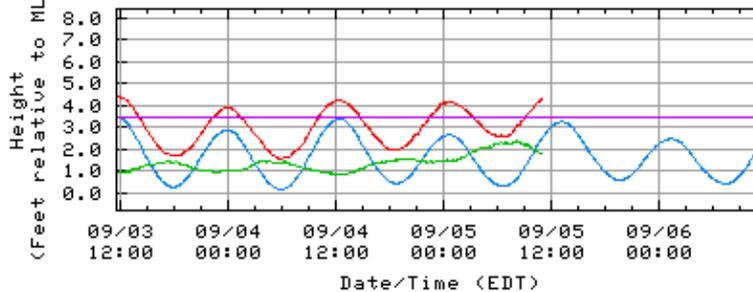
barometric pressure —

Last Observed Sample: 09/05/2008 12:12 (EDT)

Barometric Pressure: 1002.4 mb

Ponce De Leon Inlet South, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8721147 Ponce De Leon Inlet South, FL
 from 09/03/2008 11:30 - 09/06/2008 11:30



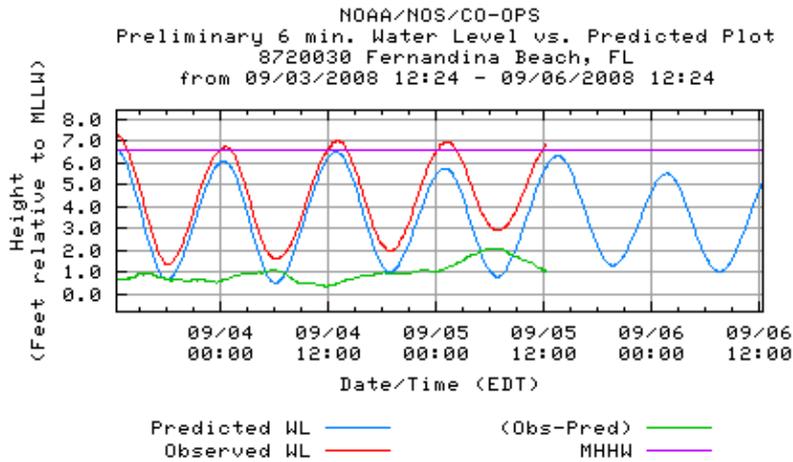
Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 09/05/2008 10:54 (EDT)

Relative to **MLLW**: Observed: 4.36 ft. Predicted: 2.52 ft. Residual: 1.84 ft.

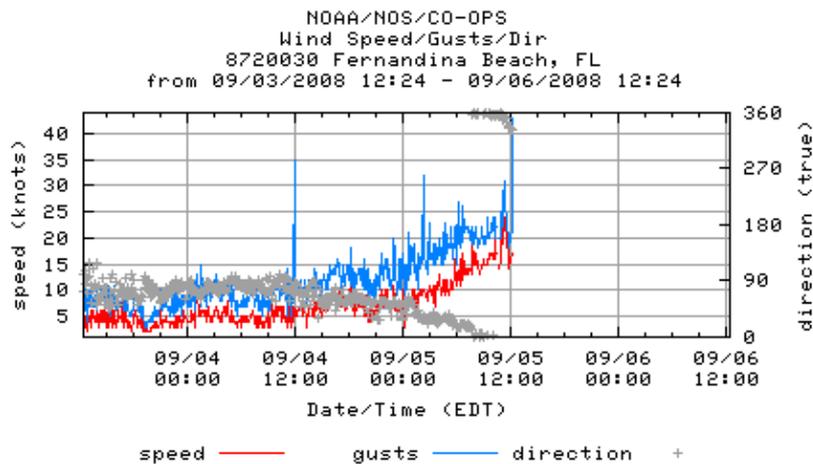
Historical Maximum Water Level: n/a

Fernandina Beach, FL - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 12:12 (EDT)
 Relative to **MLLW**: **Observed: 6.87 ft. Predicted: 5.76 ft. Residual: 1.11 ft.**
 Historical Maximum Water Level: 10/02/1898, 6.94 ft. above **MHHW**

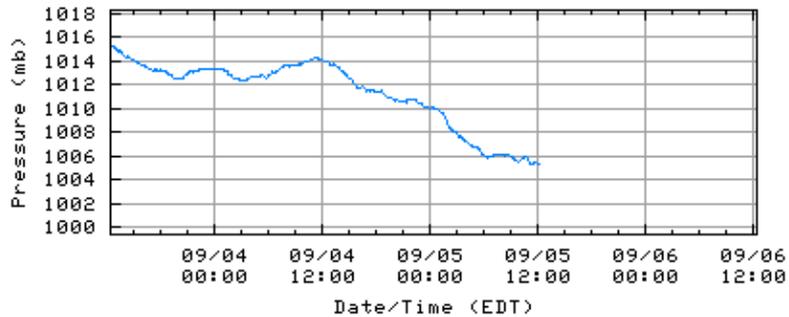
Fernandina Beach, FL - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 12:12 (EDT)
Wind Speed: 17 knots Gusts: 43 knots Direction: 333° T

Fernandina Beach, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8720030 Fernandina Beach, FL
from 09/03/2008 12:24 - 09/06/2008 12:24



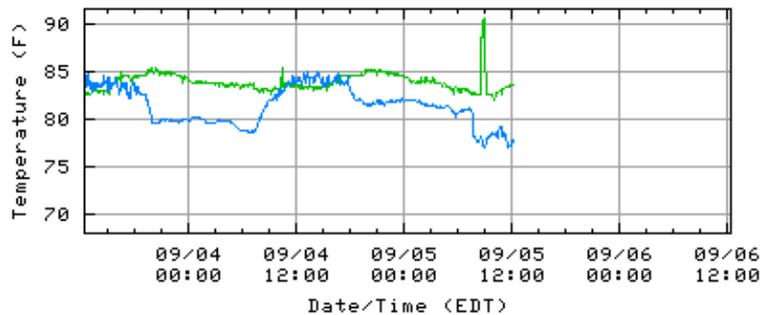
barometric pressure —

Last Observed Sample: 09/05/2008 12:12 (EDT)

Barometric Pressure: 1005.3 mb

Fernandina Beach, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8720030 Fernandina Beach, FL
from 09/03/2008 12:24 - 09/06/2008 12:24

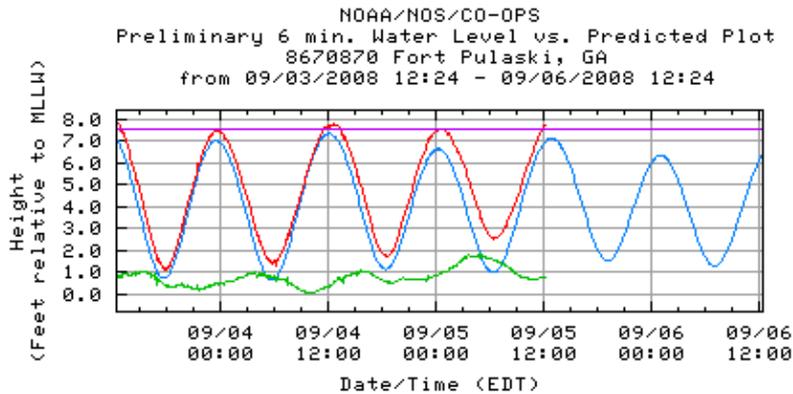


water temp. — air temp —

Last Observed Sample: 09/05/2008 12:12 (EDT)

Water Temperature: 83.5° F Air Temperature: 77.7° F

Fort Pulaski, GA - Station Map [Return to List](#)



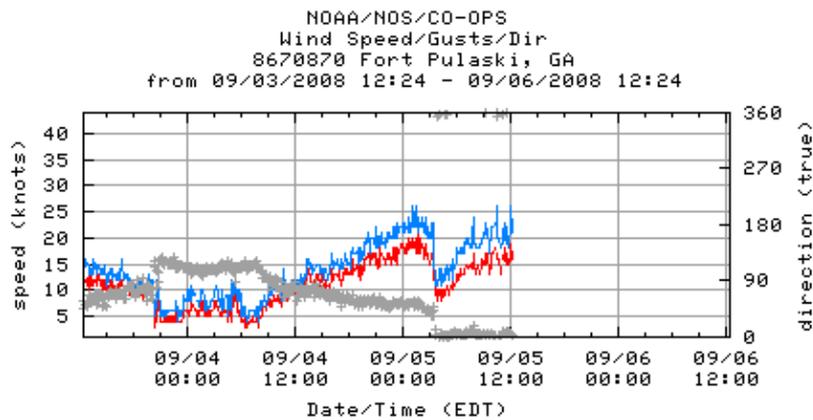
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 09/05/2008 12:06 (EDT)

Relative to **MLLW**: **Observed: 7.74 ft.** **Predicted: 6.92 ft.** **Residual: 0.82 ft.**

Historical Maximum Water Level: 10/15/1947, 3.4 ft. above **MHHW**

Fort Pulaski, GA - Station Map [Return to List](#)



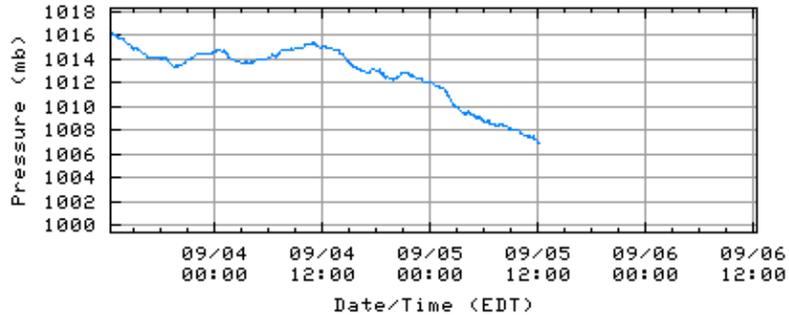
speed ——— gusts ——— direction +

Last Observed Sample: 09/05/2008 12:06 (EDT)

Wind Speed: 16 knots **Gusts: 21 knots** **Direction: 003° T**

Fort Pulaski, GA - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8670870 Fort Pulaski, GA
from 09/03/2008 12:24 - 09/06/2008 12:24



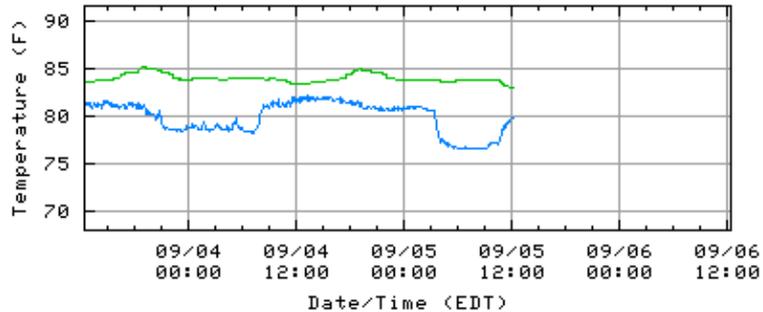
barometric pressure —

Last Observed Sample: 09/05/2008 12:06 (EDT)

Barometric Pressure: 1006.9 mb

Fort Pulaski, GA - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8670870 Fort Pulaski, GA
from 09/03/2008 12:24 - 09/06/2008 12:24

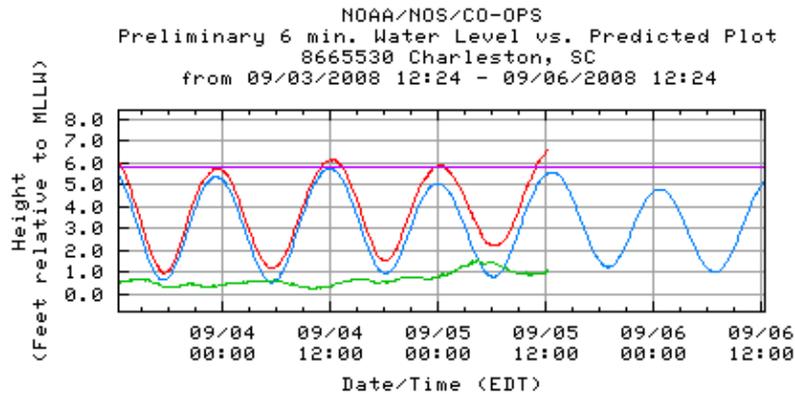


water temp. — air temp —

Last Observed Sample: 09/05/2008 12:06 (EDT)

Water Temperature: 82.9° F Air Temperature: 79.7° F

Charleston, SC - Station Map [Return to List](#)



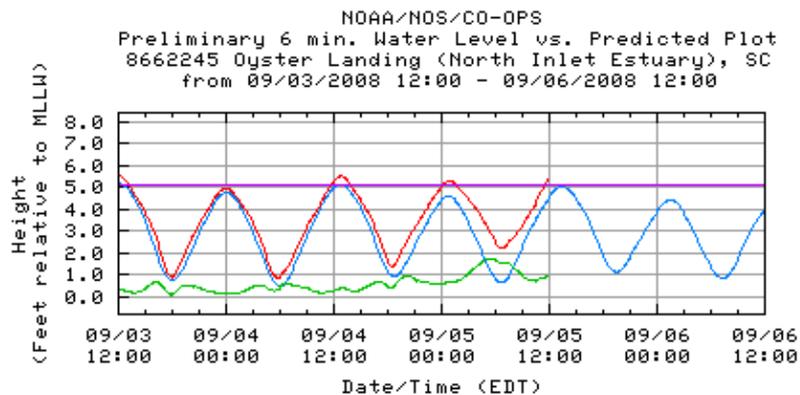
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 09/05/2008 12:12 (EDT)

Relative to **MLLW**: **Observed: 6.61 ft. Predicted: 5.51 ft. Residual: 1.10 ft.**

Historical Maximum Water Level: 09/21/1989, 6.76 ft. above **MHHW**

Oyster Landing (North Inlet Estuary), SC - Station Map [Return to List](#)



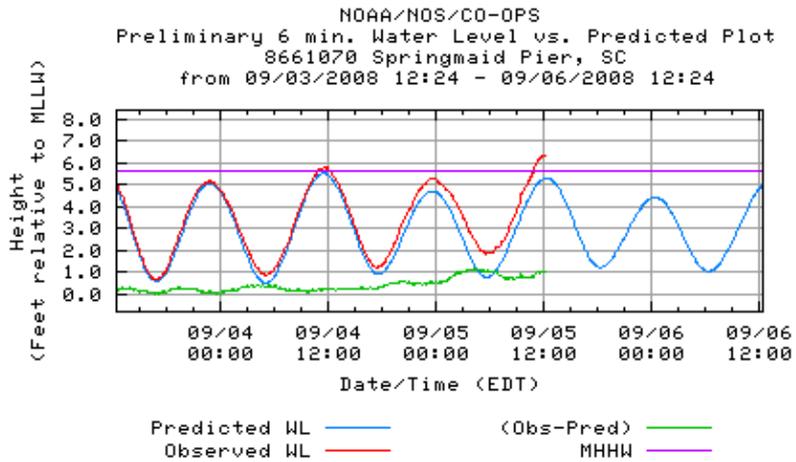
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 09/05/2008 11:48 (EDT)

Relative to **MLLW**: **Observed: 5.38 ft. Predicted: 4.43 ft. Residual: 0.95 ft.**

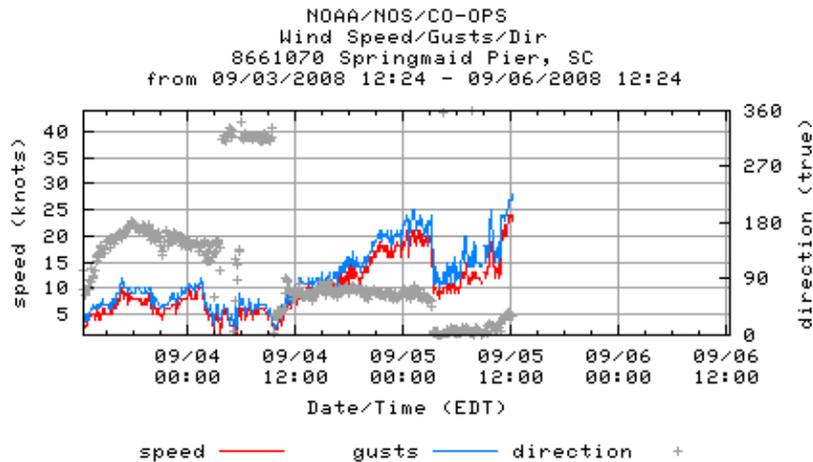
Historical Maximum Water Level: 07/22/2001, 2.21 ft. above **MHHW**

Springmaid Pier, SC - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 12:12 (EDT)
 Relative to **MLLW**: **Observed: 6.34 ft. Predicted: 5.30 ft. Residual: 1.04 ft.**
 Historical Maximum Water Level: 01/01/1987, 3.65 ft. above **MHHW**

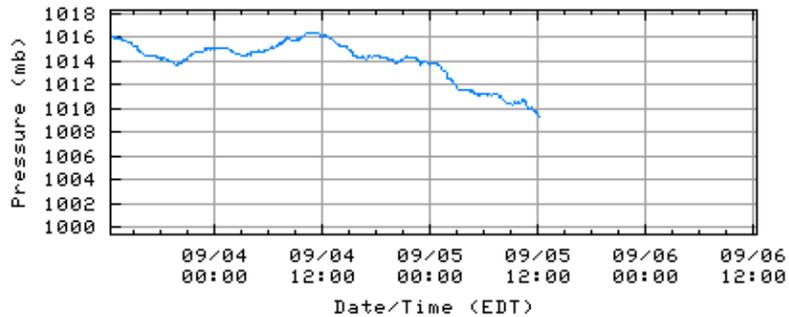
Springmaid Pier, SC - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 12:12 (EDT)
Wind Speed: 24 knots Gusts: 28 knots Direction: 030° T

Springmaid Pier, SC - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8661070 Springmaid Pier, SC
from 09/03/2008 12:24 - 09/06/2008 12:24



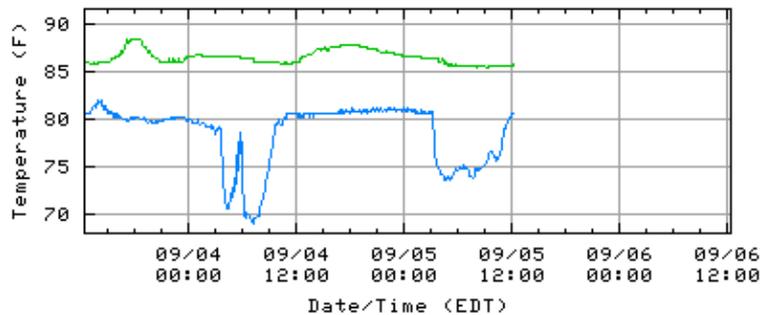
barometric pressure —

Last Observed Sample: 09/05/2008 12:12 (EDT)

Barometric Pressure: 1009.3 mb

Springmaid Pier, SC - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8661070 Springmaid Pier, SC
from 09/03/2008 12:24 - 09/06/2008 12:24

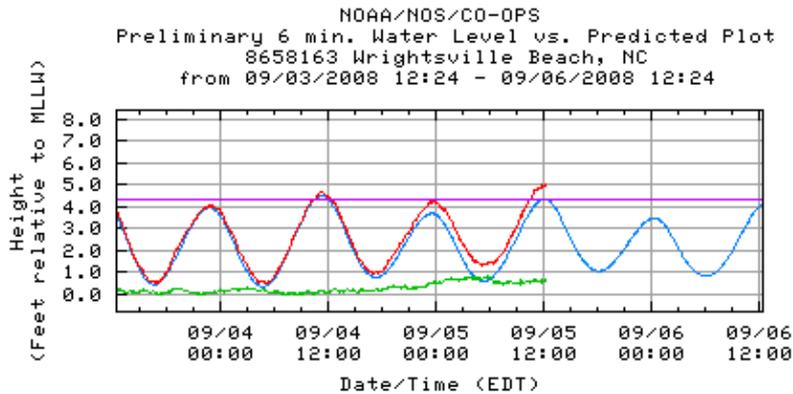


water temp. — air temp —

Last Observed Sample: 09/05/2008 12:12 (EDT)

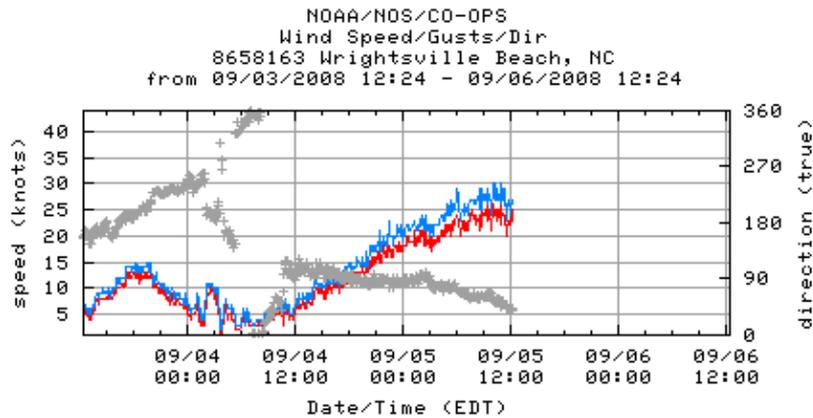
Water Temperature: 85.8° F Air Temperature: 80.4° F

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



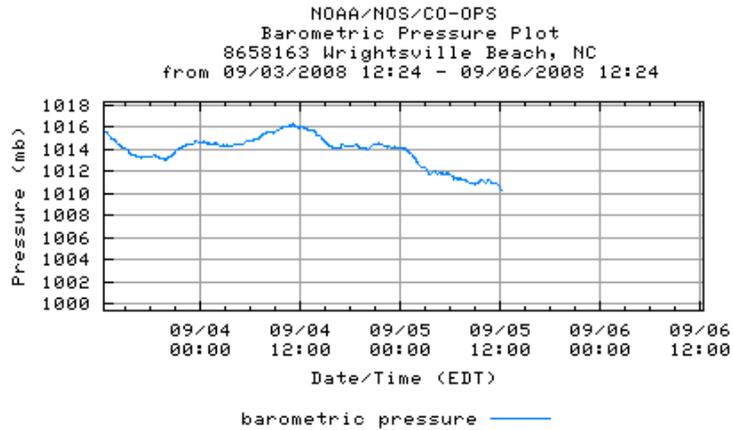
Last Observed Sample: 09/05/2008 12:12 (EDT)
 Relative to **MLLW**: **Observed: 5.01 ft. Predicted: 4.34 ft. Residual: 0.67 ft.**
 Historical Maximum Water Level: n/a

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



Last Observed Sample: 09/05/2008 12:12 (EDT)
Wind Speed: 23 knots Gusts: 26 knots Direction: 042° T

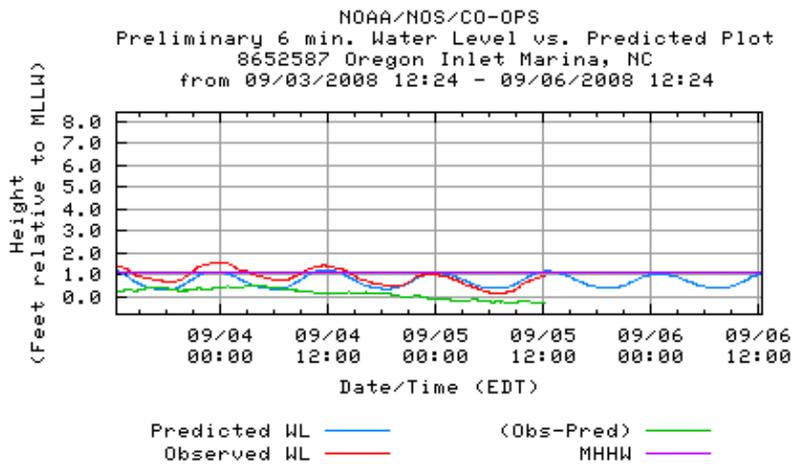
Wrightsville Beach, NC - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 12:12 (EDT)

Barometric Pressure: 1010.3 mb

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

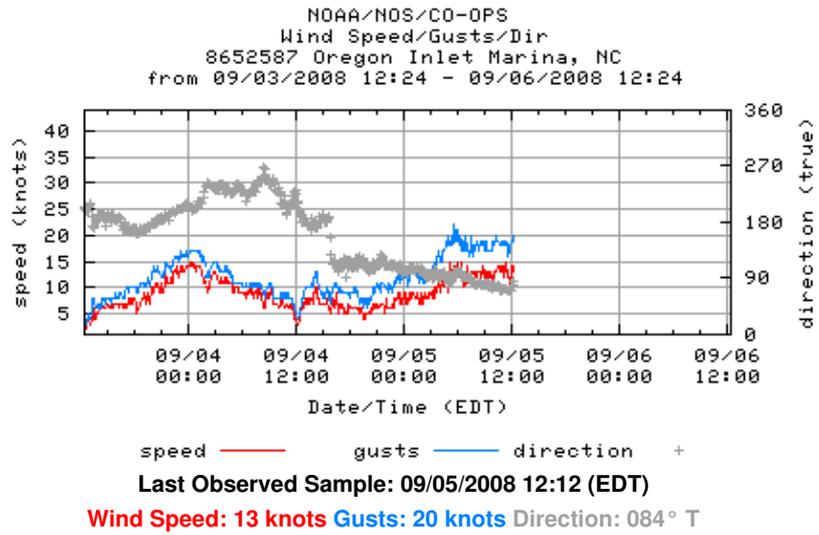


Last Observed Sample: 09/05/2008 12:12 (EDT)

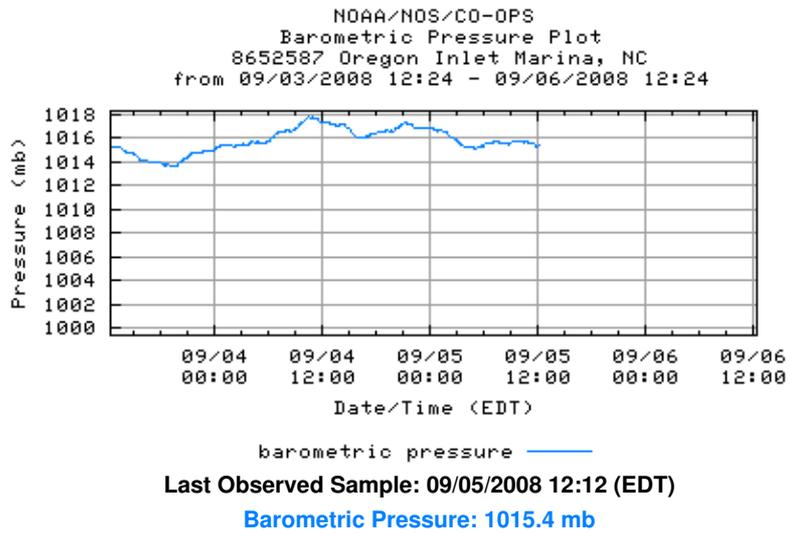
Relative to **MLLW**: Observed: 0.93 ft. Predicted: 1.17 ft. Residual: -0.24 ft.

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

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

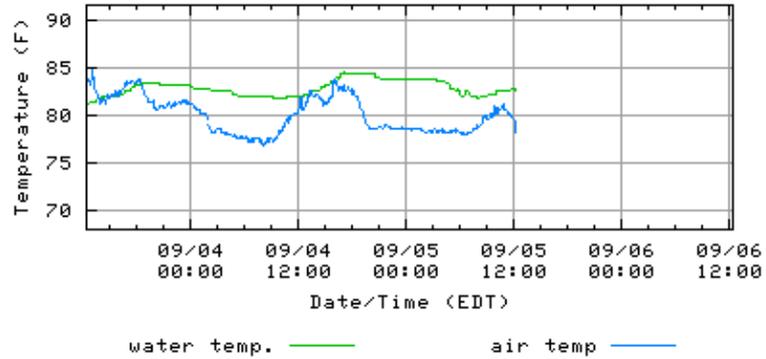


Oregon Inlet Marina, NC - Station Map [Return to List](#)



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

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8652587 Oregon Inlet Marina, NC
from 09/03/2008 12:24 - 09/06/2008 12:24



Last Observed Sample: 09/05/2008 12:12 (EDT)

Water Temperature: 82.6° F Air Temperature: 78.1° F

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