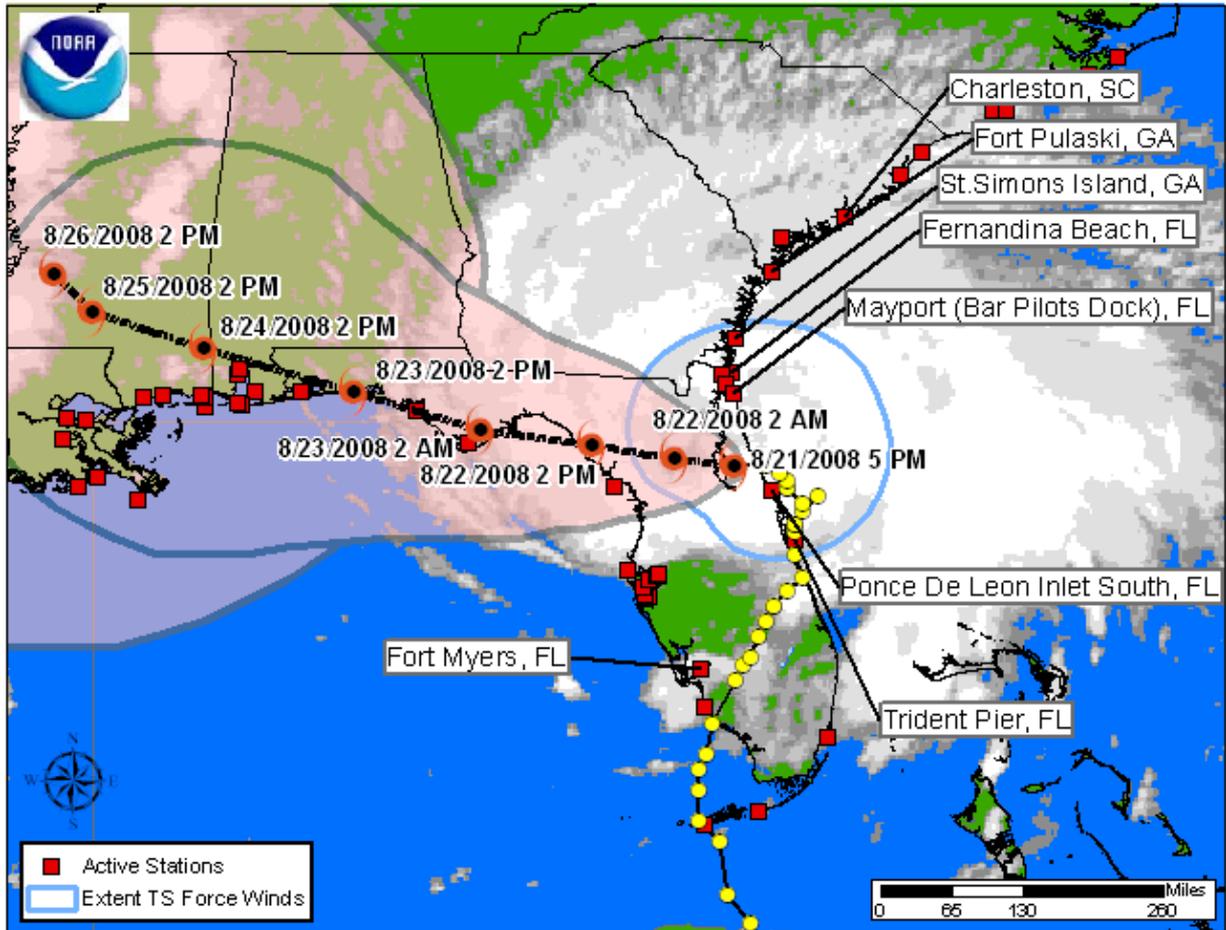




Tropical Storm FAY QuickLook  
Posted: 18:00 EDT 08/21/2008

NOAA and NOAA Partnership Stations Relative to the Storm



**Storm Analysis**

**Tropical Storm FAY beginning to make landfall on Florida's East Coast near Flagler Beach.**

As of 08/21/2008 18:00 EDT, water levels from northeastern Florida to South Carolina are elevated about 1.25 to 2.40 feet above predicted. Water levels are starting to returned to normal at many locations on the west coast of Florida. Water levels have returned to normal at Trident Pier, FL. Barometric pressure is still falling at Fernandina Beach, FL. Winds are decreasing at Fort Pulaski, GA with gusts up to 30 knots recorded. Wind speeds and gust continue to decrease at Trident Pier, FL.

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

Ponce De Leon, FL: Next predicted high tide is 3.00 ft (0.91 m) at 08/22/2008 00:33 EDT.

Mayport Bar Pilots, FL: Next predicted high tide is 4.69 ft (1.43 m) at 08/22/2008 00:45 EDT.

Fernandina Beach, FL: Next predicted high tide is 6.11 ft (1.86 m) at 08/22/2008 01:03 EDT.

St. Simons Island, GA: Next predicted high tide is 8.08 ft (2.46 m) at 08/22/2008 00:18 EDT.

Fort Pulaski, GA: Next predicted high tide is 6.93 ft (2.11 m) at 08/22/2008 00:15 EDT.

Charleston, SC: Next predicted high tide is 5.32 ft (1.62 m) at 08/22/2008 00:00 EDT.

Trident Pier, FL: Next predicted high tide is 3.56 ft (1.09 m) at 08/21/2008 23:51 EDT.

Fort Myers, FL: Next predicted high tide is 1.12 ft (0.34 m) at 08/21/2008 20:06 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

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**SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:**

**TROPICAL STORM FAY ADVISORY NUMBER 25  
500 PM EDT THU AUG 21 2008**

**...FAY EXPECTED TO MOVE SLOWLY WESTWARD ACROSS FLORIDA...VERY HEAVY  
RAINS CONTINUE.**

**AT 5 PM EDT A TROPICAL STORM WATCH HAS BEEN ISSUED FOR  
THE GULF OF MEXICO COAST OF FLORIDA FROM THE SUWANNEE RIVER TO  
INDIAN PASS.**

**A TROPICAL STORM WARNING REMAINS IN EFFECT FROM FORT PIERCE FLORIDA  
NORTHWARD TO THE SAVANNAH RIVER AT THE BORDER BETWEEN GEORGIA AND  
SOUTH CAROLINA.**

**AT 500 PM EDT THE CENTER OF TROPICAL STORM FAY WAS LOCATED  
JUST WEST OF FLAGLER BEACH FLORIDA. THE CENTER OF FAY CROSSED THE EAST  
COAST OF  
FLORIDA NEAR FLAGLER BEACH AROUND 230 PM EDT**

**FAY IS MOVING TOWARD THE WEST NEAR 5 MPH.THIS GENERAL  
SLOW MOTION SHOULD CONTINUE FOR THE NEXT COUPLE OF DAYS. ON THIS  
TRACK FAY IS FORECAST TO MOVE SLOWLY ACROSS THE NORTHERN FLORIDA  
PENINSULA TONIGHT AND EARLY FRIDAY AND BE VERY NEAR THE FLORIDA  
PANHANDLE BY LATE FRIDAY OR EARLY SATURDAY.**

**MAXIMUM SUSTAINED WINDS ARE NEAR 60 MPH WITH HIGHER  
GUSTS.SOME WEAKENING IS FORECAST DURING THE NEXT 24 HOURS.**

**TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 150 MILES MAINLY TO THE EAST OF THE CENTER.**

**FAY IS EXPECTED TO PRODUCE RAINFALL ACCUMULATIONS OF 5 TO 10 INCHES ACROSS THE CENTRAL TO NORTHERN PORTION OF THE FLORIDA PENINSULA INCLUDING THE FLORIDA PANHANDLE SOUTHERN GEORGIA AND SOUTHEASTERN ALABAMA WITH ISOLATED MAXIMUM AMOUNTS OF 15 INCHES POSSIBLE. RAINFALL TOTALS OF 2 TO 4 INCHES ARE POSSIBLE ACROSS THE COASTAL AREAS OF SOUTHERN SOUTH CAROLINA. ADDITIONAL RAINFALL AMOUNTS OF 1 TO 2 INCHES ARE POSSIBLE OVER SOUTHWEST AND SOUTHERN FLORIDA. ISOLATED STORM TOTAL ACCUMULATIONS OF 20 TO 30 INCHES HAVE BEEN OBSERVED WITH THIS SYSTEM OVER THE EAST CENTRAL COASTAL AREAS OF FLORIDA.**

**STORM SURGE FLOODING OF 1 TO 3 FEET ABOVE NORMAL TIDES IS POSSIBLE ALONG THE EAST COAST OF FLORIDA AND GEORGIA TO THE NORTH OF THE CENTER OF FAY.**

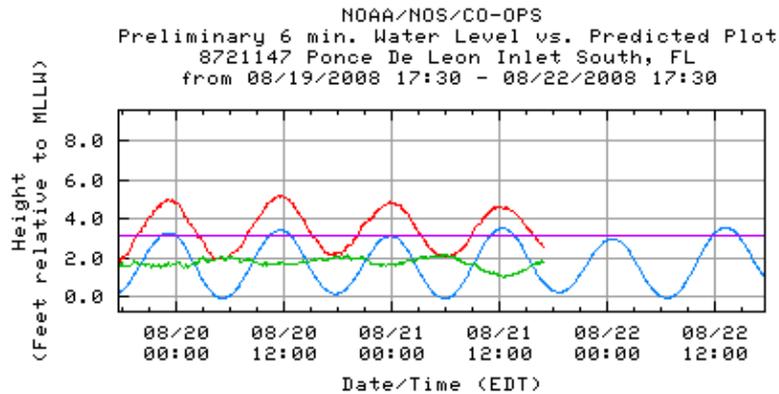
**ISOLATED TORNADOES ARE POSSIBLE TONIGHT OVER PORTIONS OF NORTHEASTERN FLORIDA AND SOUTHEASTERN GEORGIA.**

**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.

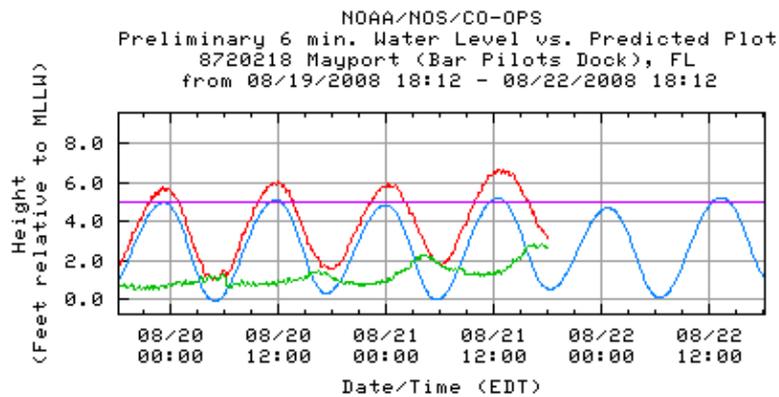
Jump to: [Ponce De Leon Inlet South - Water Level](#), [Mayport \(Bar Pilots Dock\) - Water Level](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Air/Water Temp](#), [Fernandina Beach - Barometric](#), [St.Simons Island - Water Level](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Air/Water Temp](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Fort Myers - Water Level](#),

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



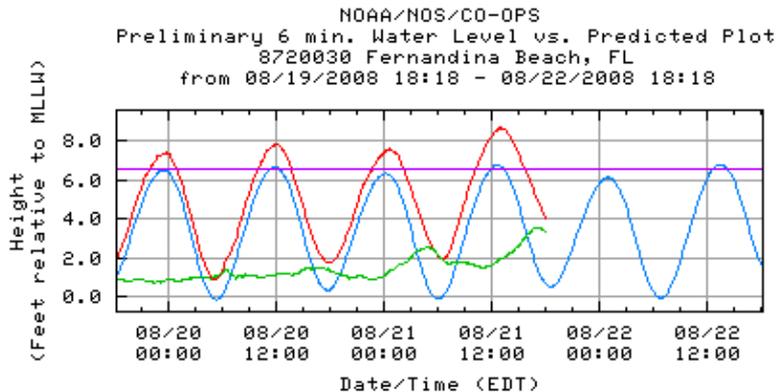
Last Observed Sample: 08/21/2008 16:54 (EDT)  
 Relative to **MLLW**: **Observed: 2.52 ft. Predicted: 0.73 ft. Residual: 1.79 ft.**  
 Historical Maximum Water Level: n/a

**Mayport (Bar Pilots Dock), FL - Station Map** [Return to List](#)



Last Observed Sample: 08/21/2008 18:00 (EDT)  
 Relative to **MLLW**: **Observed: 3.19 ft. Predicted: 0.57 ft. Residual: 2.62 ft.**  
 Historical Maximum Water Level: 09/17/2001, 2.15 ft. above **MHHW**

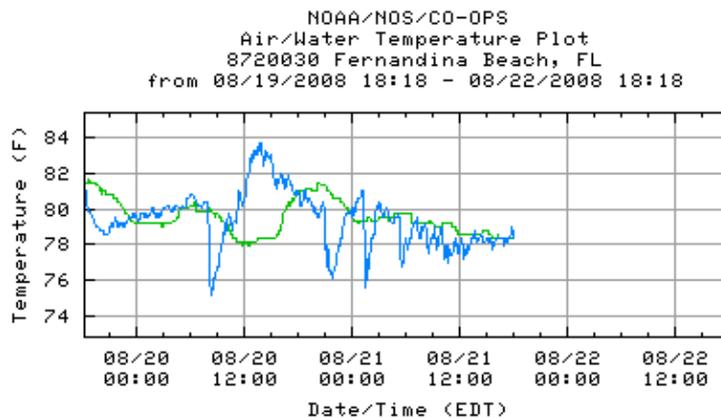
**Fernandina Beach, FL - Station Map** [Return to List](#)



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

Last Observed Sample: 08/21/2008 18:06 (EDT)  
 Relative to **MLLW**: **Observed: 4.02 ft. Predicted: 0.70 ft. Residual: 3.32 ft.**  
 Historical Maximum Water Level: 10/02/1898, 6.94 ft. above **MHHW**

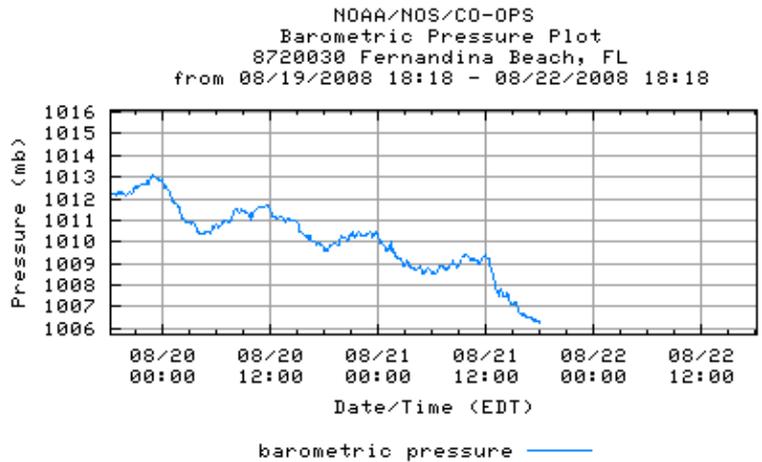
**Fernandina Beach, FL - Station Map** [Return to List](#)



water temp. ——— air temp ———

Last Observed Sample: 08/21/2008 18:06 (EDT)  
**Water Temperature: 78.3° F Air Temperature: 78.4° F**

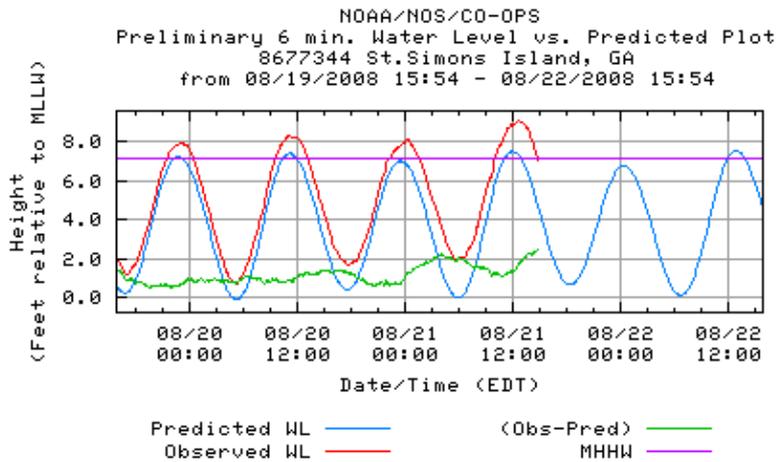
**Fernandina Beach, FL - Station Map** [Return to List](#)



Last Observed Sample: 08/21/2008 18:06 (EDT)

Barometric Pressure: 1006.3 mb

**St.Simons Island, GA - Station Map** [Return to List](#)

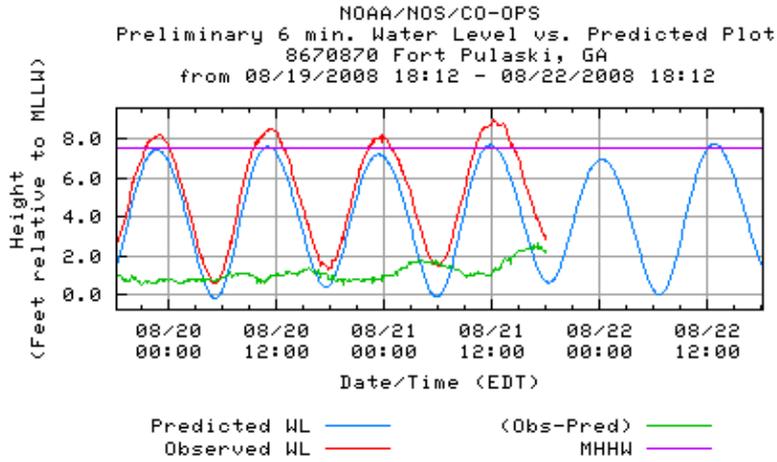


Last Observed Sample: 08/21/2008 14:54 (EDT)

Relative to **MLLW**: Observed: 7.06 ft. Predicted: 4.61 ft. Residual: 2.45 ft.

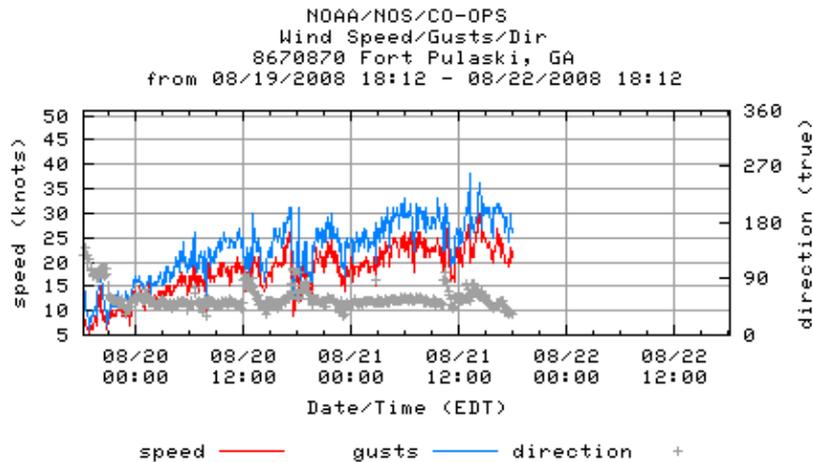
Historical Maximum Water Level: 07/22/2001, 2.41 ft. above **MHHW**

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



Last Observed Sample: 08/21/2008 18:00 (EDT)  
 Relative to **MLLW**: **Observed: 2.88 ft. Predicted: 0.71 ft. Residual: 2.17 ft.**  
 Historical Maximum Water Level: 10/15/1947, 3.4 ft. above **MHHW**

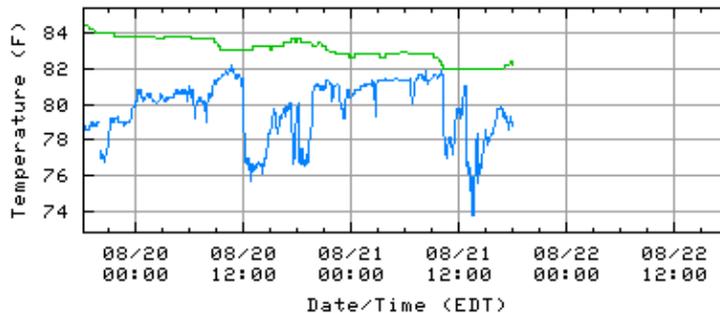
**Fort Pulaski, GA - Station Map** [Return to List](#)



Last Observed Sample: 08/21/2008 18:00 (EDT)  
**Wind Speed: 21 knots Gusts: 26 knots Direction: 033° T**

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

NOAA/NOS/CO-OPS  
Air/Water Temperature Plot  
8670870 Fort Pulaski, GA  
from 08/19/2008 18:12 - 08/22/2008 18:12



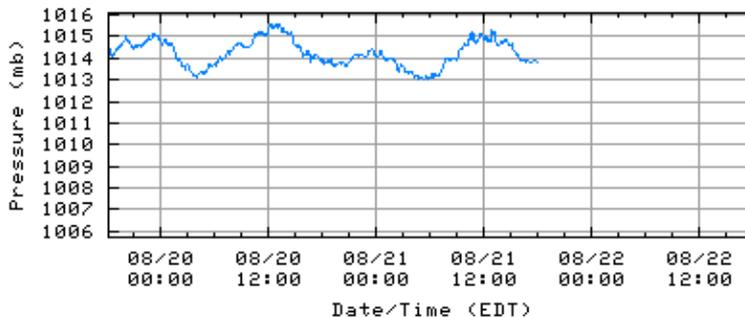
water temp. — air temp. —

Last Observed Sample: 08/21/2008 18:00 (EDT)

Water Temperature: 82.2° F Air Temperature: 79.0° F

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

NOAA/NOS/CO-OPS  
Barometric Pressure Plot  
8670870 Fort Pulaski, GA  
from 08/19/2008 18:12 - 08/22/2008 18:12

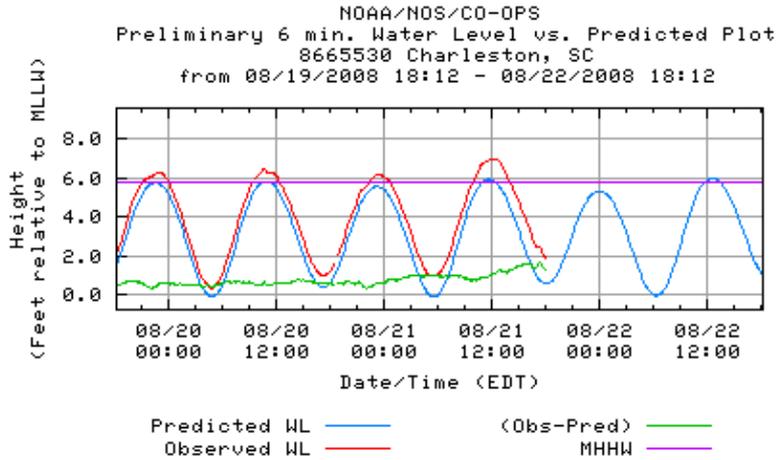


barometric pressure —

Last Observed Sample: 08/21/2008 18:00 (EDT)

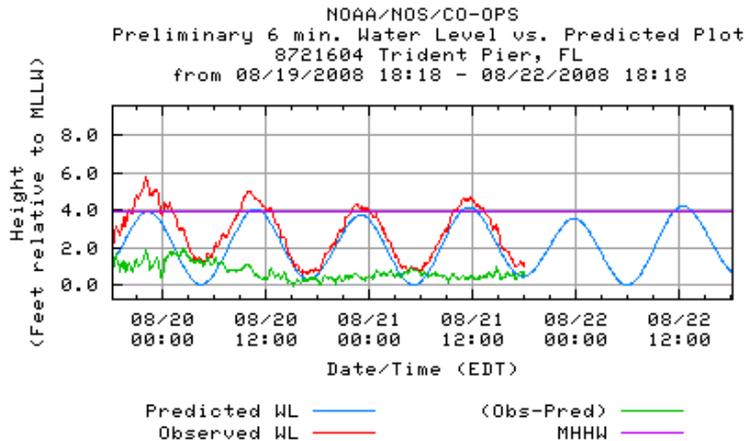
Barometric Pressure: 1013.8 mb

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



Last Observed Sample: 08/21/2008 18:00 (EDT)  
 Relative to **MLLW**: **Observed: 1.91 ft. Predicted: 0.59 ft. Residual: 1.32 ft.**  
 Historical Maximum Water Level: 09/21/1989, 6.76 ft. above **MHHW**

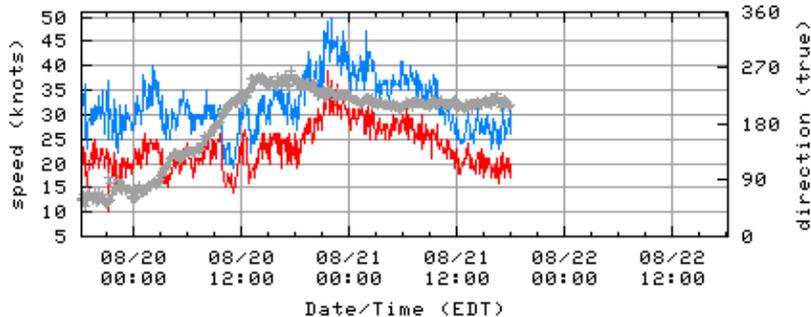
**Trident Pier, FL - Station Map** [Return to List](#)



Last Observed Sample: 08/21/2008 18:06 (EDT)  
 Relative to **MLLW**: **Observed: 1.20 ft. Predicted: 0.49 ft. Residual: 0.71 ft.**  
 Historical Maximum Water Level: 09/16/2001, 2.28 ft. above **MHHW**

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

NOAA/NOS/CO-OPS  
 Wind Speed/Gusts/Dir  
 8721604 Trident Pier, FL  
 from 08/19/2008 18:18 - 08/22/2008 18:18



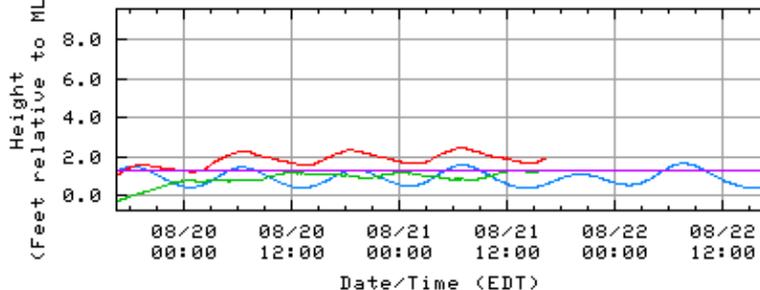
speed — gusts — direction +

Last Observed Sample: 08/21/2008 18:06 (EDT)

Wind Speed: 20 knots Gusts: 26 knots Direction: 210° T

**Fort Myers, FL - Station Map** [Return to List](#)

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8725520 Fort Myers, FL  
 from 08/19/2008 16:24 - 08/22/2008 16:24



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

Last Observed Sample: 08/21/2008 16:12 (EDT)

Relative to **MLLW**: Observed: 1.91 ft. Predicted: 0.60 ft. Residual: 1.31 ft.

Historical Maximum Water Level: 11/23/1988, 3.41 ft. above **MHHW**

# Tropical Storm FAY QuickLook, POSTED 18:00 EDT 08/21/2008

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