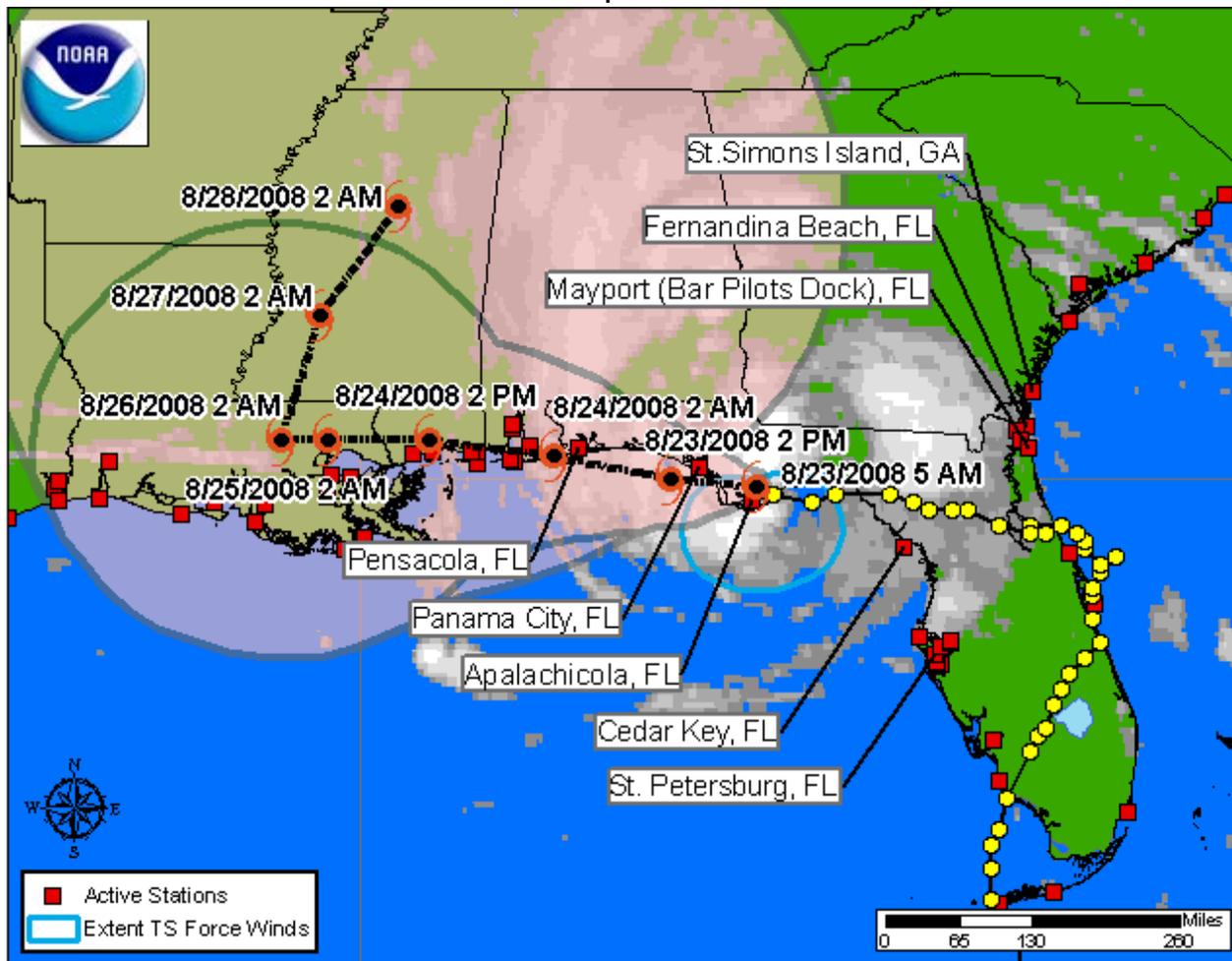




Tropical Storm FAY QuickLook  
Posted: 05:30 EDT 08/23/2008

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



### Storm Analysis

As of 08/23/2008 05:30 EDT, water levels from northeastern Florida to Georgia are beginning to return to normal, however they are still elevated between 0.6 to 1.1 feet above predicted. Water levels are over 0.7 feet above predictions at Cedar Key and rising at Apalachicola. Water levels are below predicted along the Florida panhandle. Barometric pressure is falling and wind gusts are up to 25 knots at Panama City.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to [Mean Lower Low Water](#) are:

Cedar Key, FL: Next predicted high tide is 4.18 ft (1.27 m) at 08/23/2008 06:06 EDT.

St. Petersburg, FL: Next predicted high tide is 2.67 ft (0.81 m) at 08/23/2008 06:12 EDT.

Apalachicola, FL: Next predicted high tide is 2.00 feet (0.61 m) at 08/23/2008 07:42 EDT.

Panama City, FL: Next predicted high tide is 1.90 feet (0.58 m) at 08/24/2008 03:49 CDT.

Pensacola, FL: Next predicted high tide is 1.80 ft (0.55 m) at 08/24/2008 04:46 CDT.

St. Simons Island, GA: Next predicted high tide is 7.30 ft (2.23 m) at 08/23/2008 14:02

EDT.

Fernandina Beach, FL: Next predicted high tide is 6.08 ft (2.07 m) at 08/23/2008 14:30 EDT.

Mayport Bar Pilots, FL: Next predicted high tide is 5.20 ft (1.58 m) at 08/23/2008 14:18 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: ND

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SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

TROPICAL STORM FAY ADVISORY NUMBER 31

500 AM EDT SAT AUG 23 2008

CENTER OF FAY CURRENTLY INLAND OVER THE CENTRAL FLORIDA PANHANDLE WARNINGS AND WATCHES EXTENDED WESTWARD

AT 5 AM EDT 0900 UTC THE TROPICAL STORM WARNING IS EXTENDED WESTWARD ALONG THE NORTHERN GULF COAST TO THE MOUTH OF THE PEARL RIVER. A TROPICAL STORM WARNING IS NOW IN EFFECT FOR THE NORTHEASTERN GULF COAST FROM SUWANEE RIVER FLORIDA WESTWARD TO THE MOUTH OF THE PEARL RIVER. A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

AT 500 AM EDT 0900Z THE CENTER OF TROPICAL STORM FAY WAS LOCATED NEAR LATITUDE 29.9 NORTH LONGITUDE 84.9 WEST OR OVER THE FLORIDA PANHANDLE ABOUT 15 MILES 25 KM NORTH-NORTHEAST OF APALACHICOLA FLORIDA AND ABOUT 50 MILES 85 KM EAST-SOUTHEAST OF PANAMA CITY FLORIDA.

FAY IS MOVING TOWARD THE WEST NEAR 7 MPH 11 KM/HR AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE FOR THE NEXT 24 TO 48 HOURS. ON THE FORECAST TRACK FAY WILL BE NEAR OR OVER THE GULF COAST OF THE WESTERN FLORIDA PANHANDLE TODAY AND TONIGHT AND NEAR OR OVER THE GULF COAST OF MISSISSIPPI AND ALABAMA ON SUNDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 45 MPH 75 KM/HR WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT 24 TO 48 HOURS AND FAY IS EXPECTED TO REMAIN A TROPICAL STORM INTO SUNDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 90 MILES 150 KM MAINLY TO THE SOUTH OF THE CENTER. BAINBRIDGE GEORGIA RECENTLY REPORTED A WIND GUST OF 43 MPH 69 KM/HR.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 997 MB 29.44 INCHES.

STORM SURGE FLOODING OF 2 TO 4 FEET ABOVE NORMAL TIDE LEVELS POSSIBLE IN THE WARNING AREA IN AREAS OF ONSHORE WINDS. ABOVE NORMAL TIDES ALONG THE GEORGIA AND FLORIDA ATLANTIC COAST SHOULD SUBSIDE TODAY.

OVER THE NEXT TWO DAYS FAY IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 5 TO 10 INCHES ACROSS THE WESTERN PORTION OF THE NORTHERN FLORIDA PENINSULA THE FLORIDA PANHANDLE SOUTHWESTERN GEORGIA AND THE SOUTHERN HALF OF BOTH MISSISSIPPI AND ALABAMA WITH ISOLATED MAXIMUM AMOUNTS OF 15 INCHES POSSIBLE. ADDITIONAL RAINFALL ACCUMULATIONS OF 1 TO 3 INCHES ARE POSSIBLE OVER THE REMAINDER OF THE FLORIDA PENINSULA AND SOUTHEASTERN GEORGIA.

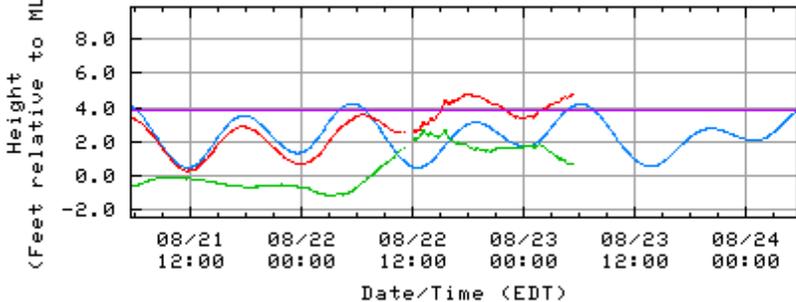
**FORECASTER BEVEN**

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: [Cedar Key - Water Level](#), [St. Petersburg - Water Level](#),  
[St. Petersburg - Air/Water Temp](#), [St. Petersburg - Winds](#), [St. Petersburg - Barometric](#),  
[Apalachicola - Water Level](#), [Apalachicola - Air/Water Temp](#), [Apalachicola - Winds](#),  
[Apalachicola - Barometric](#), [Panama City - Water Level](#), [Panama City - Air/Water Temp](#),  
[Panama City - Winds](#), [Panama City - Barometric](#), [Pensacola - Water Level](#),  
[Pensacola - Air/Water Temp](#), [Pensacola - Winds](#), [Pensacola - Barometric](#),  
[St.Simons Island - Water Level](#), [Fernandina Beach - Water Level](#),  
[Mayport \(Bar Pilots Dock\) - Water Level](#),

**Cedar Key, FL - Station Map** [Return to List](#)

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8727520 Cedar Key, FL  
 from 08/21/2008 05:30 - 08/24/2008 05:30



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

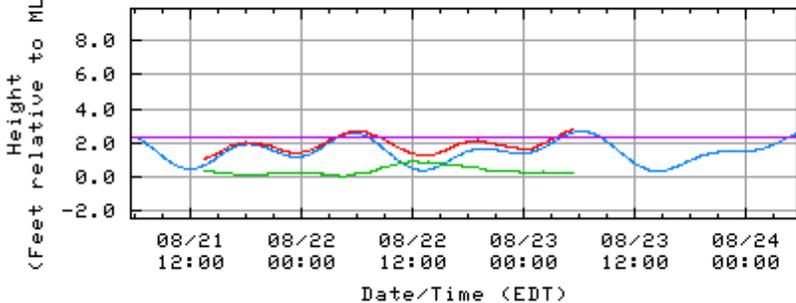
Last Observed Sample: 08/23/2008 05:18 (EDT)

Relative to **MLLW**: Observed: 4.72 ft. Predicted: 4.07 ft. Residual: 0.65 ft.

Historical Maximum Water Level: 10/07/1996, 5.15 ft. above **MHHW**

**St. Petersburg, FL - Station Map** [Return to List](#)

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8726520 St. Petersburg, FL  
 from 08/21/2008 05:30 - 08/24/2008 05:30



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

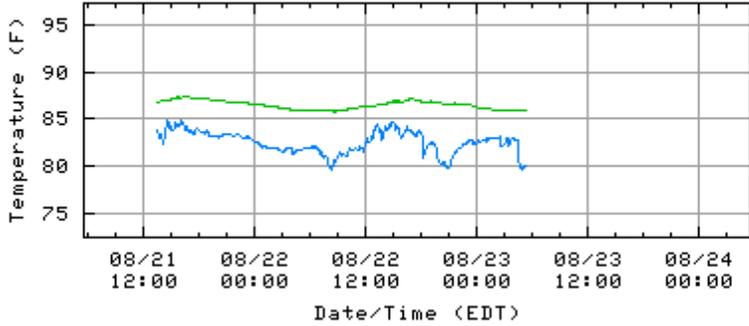
Last Observed Sample: 08/23/2008 05:18 (EDT)

Relative to **MLLW**: Observed: 2.76 ft. Predicted: 2.60 ft. Residual: 0.16 ft.

Historical Maximum Water Level: 08/31/1985, 4 ft. above **MHHW**

**St. Petersburg, FL - Station Map** [Return to List](#)

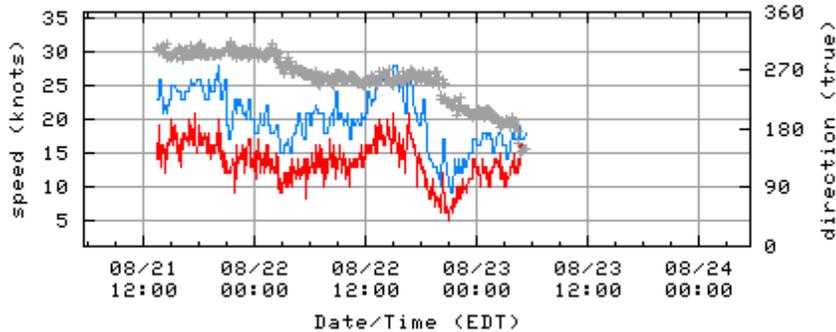
NOAA/NOS/CO-OPS  
 Air/Water Temperature Plot  
 8726520 St. Petersburg, FL  
 from 08/21/2008 05:30 - 08/24/2008 05:30



water temp. — air temp —  
**Last Observed Sample: 08/23/2008 05:18 (EDT)**  
**Water Temperature: 85.8° F Air Temperature: 80.0° F**

**St. Petersburg, FL - Station Map** [Return to List](#)

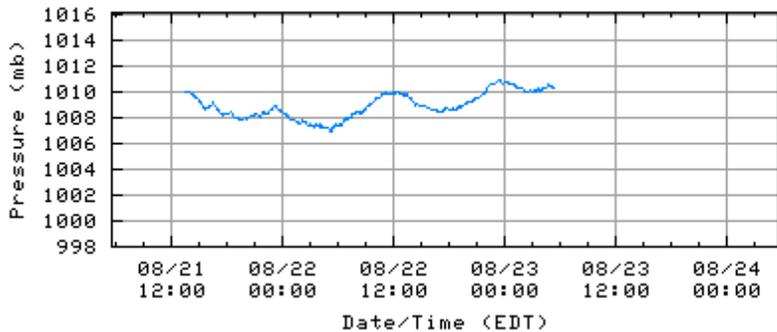
NOAA/NOS/CO-OPS  
 Wind Speed/Gusts/Dir  
 8726520 St. Petersburg, FL  
 from 08/21/2008 05:30 - 08/24/2008 05:30



speed — gusts — direction +  
**Last Observed Sample: 08/23/2008 05:18 (EDT)**  
**Wind Speed: 16 knots Gusts: 18 knots Direction: 149° T**

**St. Petersburg, FL - Station Map** [Return to List](#)

NOAA/NOS/CO-OPS  
 Barometric Pressure Plot  
 8726520 St. Petersburg, FL  
 from 08/21/2008 05:30 - 08/24/2008 05:30

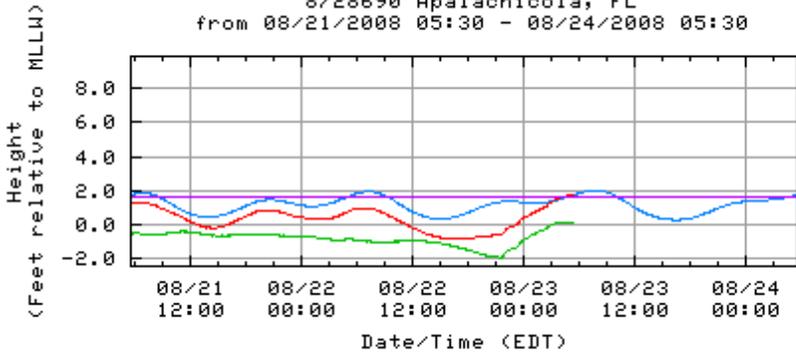


barometric pressure —  
**Last Observed Sample: 08/23/2008 05:18 (EDT)**

Barometric Pressure: 1010.4 mb

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

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8728690 Apalachicola, FL  
 from 08/21/2008 05:30 - 08/24/2008 05:30



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

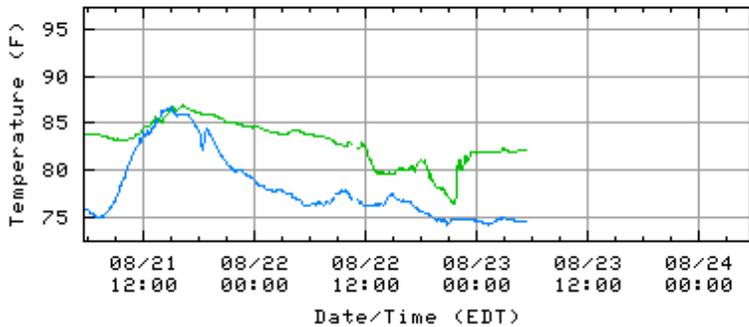
Last Observed Sample: 08/23/2008 05:12 (EDT)

Relative to MLLW: Observed: 1.77 ft. Predicted: 1.70 ft. Residual: 0.07 ft.

Historical Maximum Water Level: 11/21/1985, 5.69 ft. above MHHW

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

NOAA/NOS/CO-OPS  
 Air/Water Temperature Plot  
 8728690 Apalachicola, FL  
 from 08/21/2008 05:30 - 08/24/2008 05:30



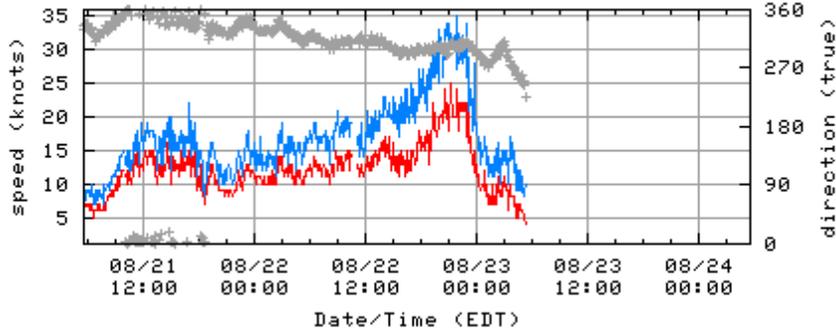
water temp. ——— air temp ———

Last Observed Sample: 08/23/2008 05:12 (EDT)

Water Temperature: 82.2° F Air Temperature: 74.5° F

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

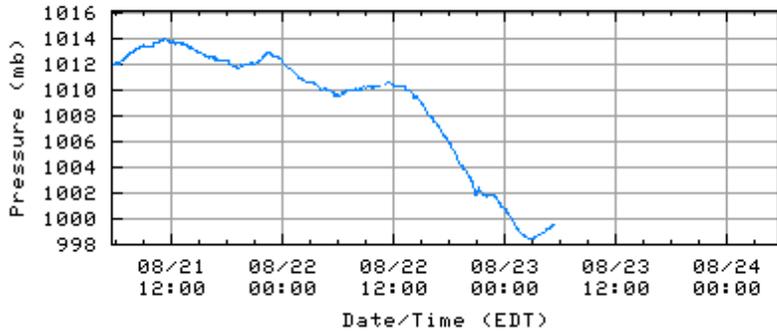
NOAA/NOS/CO-OPS  
 Wind Speed/Gusts/Dir  
 8728690 Apalachicola, FL  
 from 08/21/2008 05:30 - 08/24/2008 05:30



speed — gusts — direction +  
**Last Observed Sample: 08/23/2008 05:12 (EDT)**  
**Wind Speed: 4 knots Gusts: 10 knots Direction: 225° T**

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

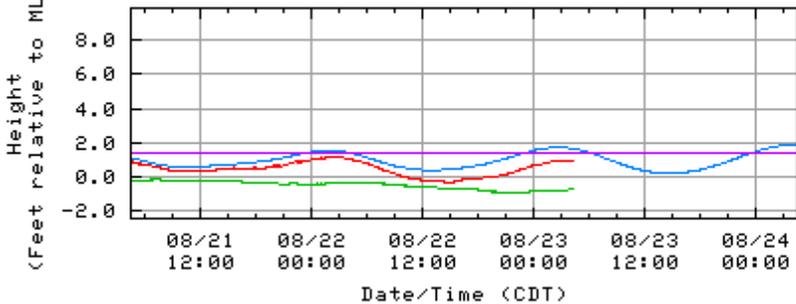
NOAA/NOS/CO-OPS  
 Barometric Pressure Plot  
 8728690 Apalachicola, FL  
 from 08/21/2008 05:30 - 08/24/2008 05:30



barometric pressure —  
**Last Observed Sample: 08/23/2008 05:12 (EDT)**  
**Barometric Pressure: 999.5 mb**

[Panama City, FL - Station Map](#) [Return to List](#)

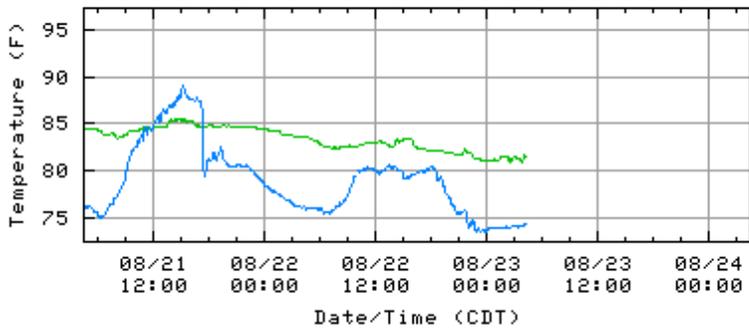
NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8729108 Panama City, FL  
 from 08/21/2008 04:30 - 08/24/2008 04:30



Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —  
**Last Observed Sample: 08/23/2008 04:12 (CDT)**  
**Relative to MLLW: Observed: 0.93 ft. Predicted: 1.64 ft. Residual: -0.71 ft.**  
**Historical Maximum Water Level: 10/04/1995, 5.72 ft. above MHHW**

**Panama City, FL - Station Map** [Return to List](#)

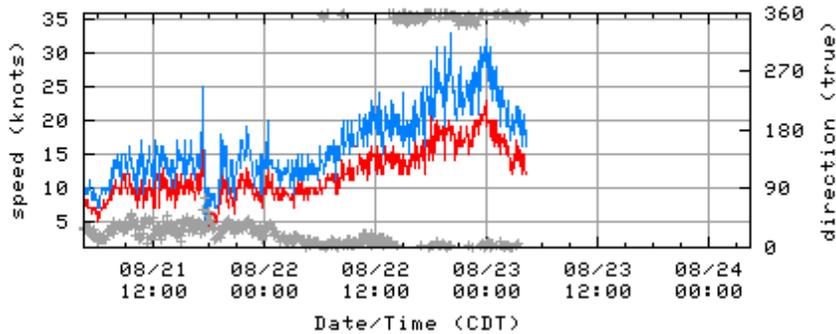
NOAA/NOS/CO-OPS  
 Air/Water Temperature Plot  
 8729108 Panama City, FL  
 from 08/21/2008 04:30 - 08/24/2008 04:30



water temp. — air temp —  
**Last Observed Sample: 08/23/2008 04:12 (CDT)**  
**Water Temperature: 81.5° F Air Temperature: 74.3° F**

**Panama City, FL - Station Map** [Return to List](#)

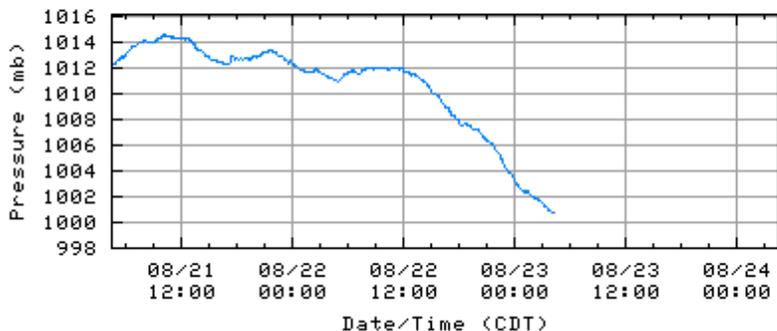
NOAA/NOS/CO-OPS  
 Wind Speed/Gusts/Dir  
 8729108 Panama City, FL  
 from 08/21/2008 04:30 - 08/24/2008 04:30



speed — gusts — direction +  
**Last Observed Sample: 08/23/2008 04:12 (CDT)**  
**Wind Speed: 12 knots Gusts: 16 knots Direction: 356° T**

**Panama City, FL - Station Map** [Return to List](#)

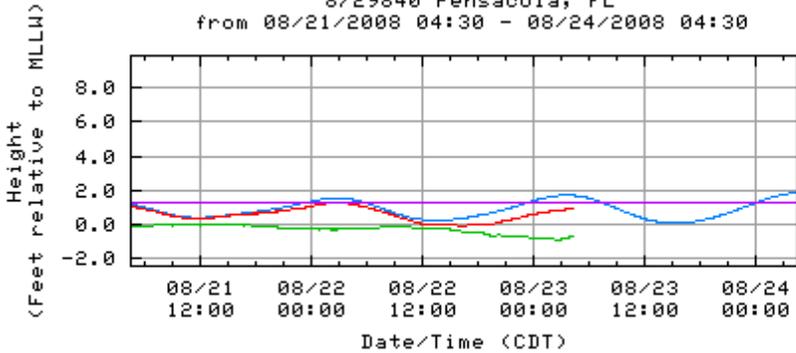
NOAA/NOS/CO-OPS  
 Barometric Pressure Plot  
 8729108 Panama City, FL  
 from 08/21/2008 04:30 - 08/24/2008 04:30



barometric pressure —  
**Last Observed Sample: 08/23/2008 04:12 (CDT)**  
**Barometric Pressure: 1000.7 mb**

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

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8729840 Pensacola, FL  
 from 08/21/2008 04:30 - 08/24/2008 04:30



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

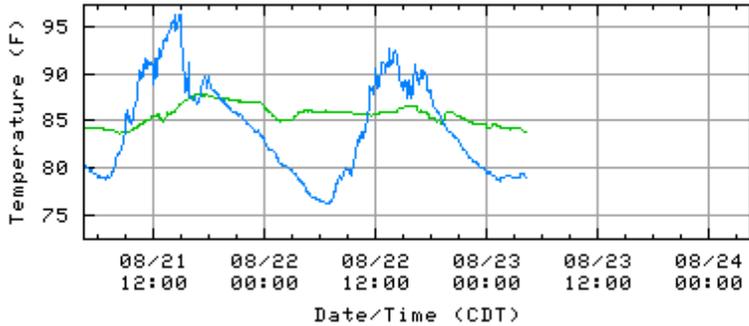
Last Observed Sample: 08/23/2008 04:12 (CDT)

Relative to **MLLW**: Observed: 0.95 ft. Predicted: 1.69 ft. Residual: -0.74 ft.

Historical Maximum Water Level: 09/18/1926, 7.41 ft. above **MHHW**

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

NOAA/NOS/CO-OPS  
 Air/Water Temperature Plot  
 8729840 Pensacola, FL  
 from 08/21/2008 04:30 - 08/24/2008 04:30



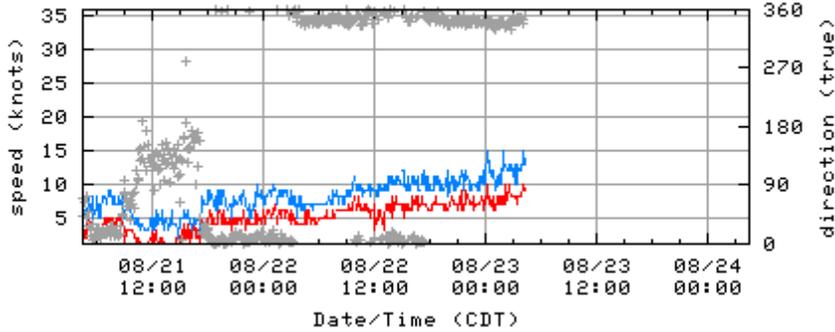
water temp. — air temp —

Last Observed Sample: 08/23/2008 04:12 (CDT)

Water Temperature: 83.8° F Air Temperature: 79.0° F

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

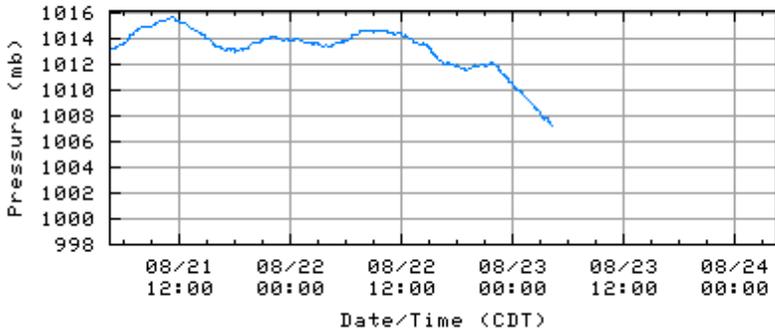
NOAA/NOS/CO-OPS  
 Wind Speed/Gusts/Dir  
 8729840 Pensacola, FL  
 from 08/21/2008 04:30 - 08/24/2008 04:30



speed — gusts — direction +  
**Last Observed Sample: 08/23/2008 04:12 (CDT)**  
**Wind Speed: 9 knots Gusts: 13 knots Direction: 352° T**

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

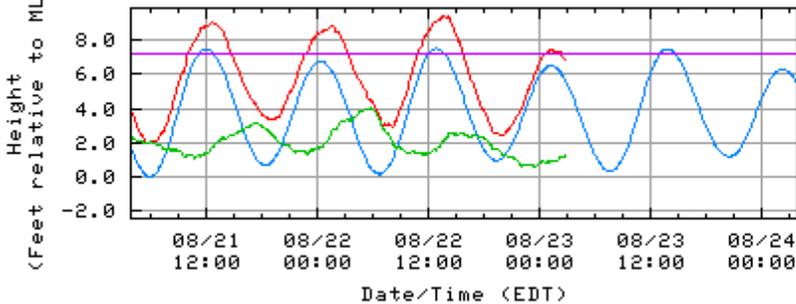
NOAA/NOS/CO-OPS  
 Barometric Pressure Plot  
 8729840 Pensacola, FL  
 from 08/21/2008 04:30 - 08/24/2008 04:30



barometric pressure —  
**Last Observed Sample: 08/23/2008 04:12 (CDT)**  
**Barometric Pressure: 1007.3 mb**

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

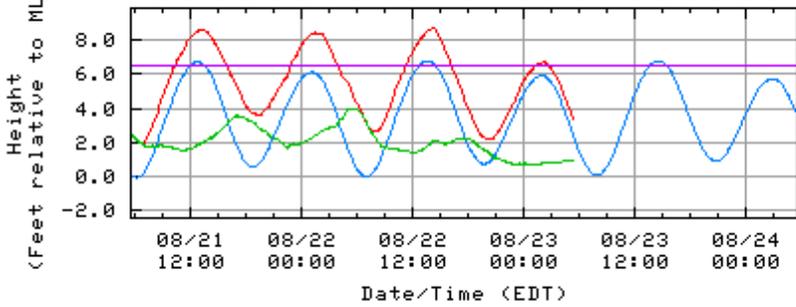
NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8677344 St.Simons Island, GA  
 from 08/21/2008 03:54 - 08/24/2008 03:54



Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —  
**Last Observed Sample: 08/23/2008 02:54 (EDT)**  
**Relative to MLLW: Observed: 6.84 ft. Predicted: 5.60 ft. Residual: 1.24 ft.**  
**Historical Maximum Water Level: 07/22/2001, 2.41 ft. above MHHW**

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

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8720030 Fernandina Beach, FL  
 from 08/21/2008 05:30 - 08/24/2008 05:30



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

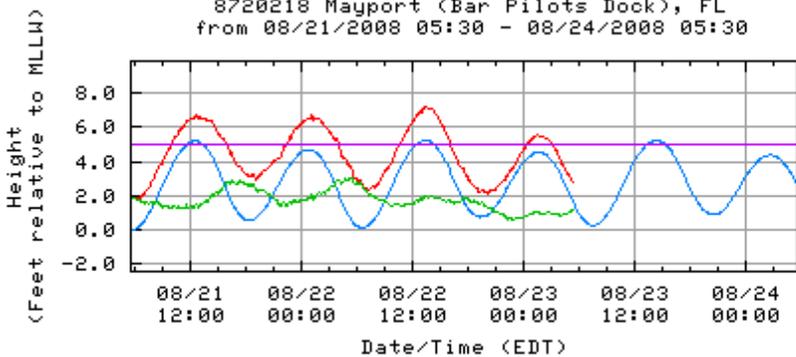
Last Observed Sample: 08/23/2008 05:18 (EDT)

Relative to **MLLW**: Observed: 3.32 ft. Predicted: 2.37 ft. Residual: 0.95 ft.

Historical Maximum Water Level: 10/02/1898, 6.94 ft. above **MHHW**

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

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8720218 Mayport (Bar Pilots Dock), FL  
 from 08/21/2008 05:30 - 08/24/2008 05:30



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

Last Observed Sample: 08/23/2008 05:12 (EDT)

Relative to **MLLW**: Observed: 2.83 ft. Predicted: 1.70 ft. Residual: 1.13 ft.

Historical Maximum Water Level: 09/17/2001, 2.15 ft. above **MHHW**