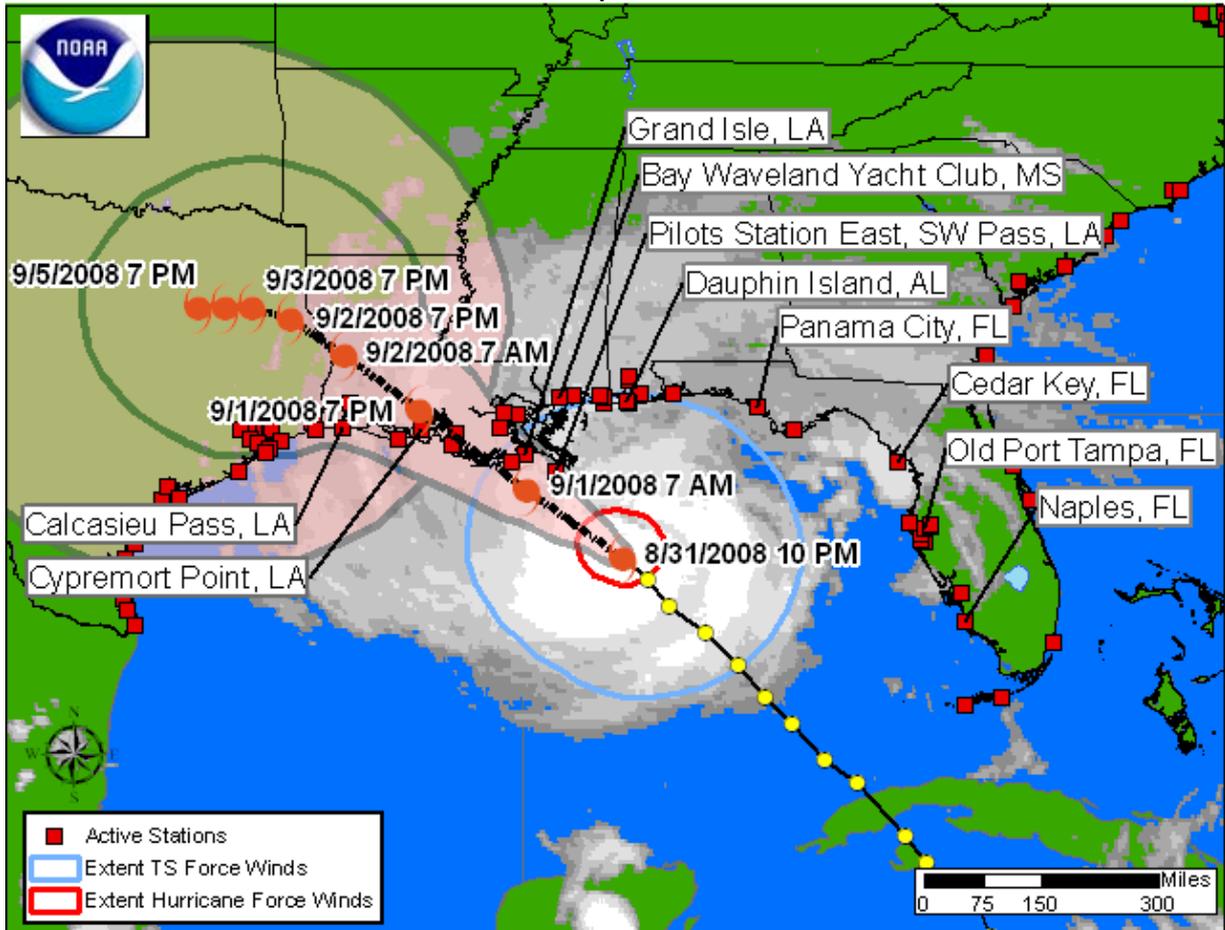




Hurricane GUSTAV QuickLook
Posted: 23:00 CDT 08/31/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/31/2008 23:00 CDT, water levels along the Florida Keys and southern Florida are beginning to fall, though they still remain elevated 0.5 to 1 feet above predictions. Water levels along the Gulf coast from Old Port Tampa, FL to Bay Waveland Yacht Club, LA are 1-3 feet above predicted and are still rising. Sites along the Louisiana Coast from Cypremort westward are beginning to elevate and seeing water levels roughly 0.5 feet above predicted. Winds are picking up along the Gulf coast with Dauphin Island, AL and Grand Isle, LA both measuring wind gusts up to 40 mph. Barometric pressure continues to fall from the Florida panhandle to Louisiana.

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

Naples, FL: Next predicted high tide is 2.90 ft (0.88 m) at 09/01/2008 01:30 EDT.

Old Port Tampa, FL: Next predicted high tide is 2.36 ft (0.72 m) at 09/01/2008 03:12 EDT.

Cedar Key, FL: Next predicted high tide is 3.87 ft (1.18 m) at 09/01/2008 03:18 CDT.

Panama City, FL: Next predicted high tide is 1.18 ft (0.36 m) at 09/01/2008 13:00 CDT.

Dauphin Island, AL: Next predicted high tide is 0.93 ft (0.28 m) at 09/01/2008 13:18 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tide is 1.09 ft (0.33 m) at 09/01/2008 03:24 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tide is 1.03 ft (0.31 m) at 09/01/2008 12:12 CDT.

Grand Isle, LA: Next predicted high tide is 0.76 ft (0.23 m) at 09/01/2008 01:39 CDT.

Cypremore Point, LA: Next predicted high tide is 1.12 ft (0.34 m) at 09/01/2008 07:54 CDT.

Calcasieu Pass, LA: Next predicted high tide is 1.92 ft (0.59 m) at 09/01/2008 04:21 CDT.

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: PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE GUSTAV ADVISORY NUMBER 30

1000 PM CDT SUN AUG 31 2008

...GUSTAV CLOSING IN ON THE NORTHERN GULF COAST...

A HURRICANE WARNING REMAINS IN EFFECT FROM JUST EAST OF HIGH ISLAND TEXAS EASTWARD TO THE ALABAMA-FLORIDA BORDER...INCLUDING THE CITY OF NEW ORLEANS AND LAKE PONTCHARTRAIN. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A TROPICAL STORM WARNING REMAINS IN EFFECT FROM EAST OF THE ALABAMA-FLORIDA BORDER TO THE OCHLOCKONEE RIVER.

AT 1000 PM CDT THE CENTER OF HURRICANE GUSTAV WAS LOCATED ABOUT 220 MILES SOUTHEAST OF NEW ORLEANS LOUISIANA AND ABOUT 310 MILES SOUTHEAST OF LAFAYETTE LOUISIANA. THIS POSITION IS ALSO ABOUT 180 MILES SOUTHEAST OF PORT FOURCHON ALONG THE LOUISIANA COAST.

GUSTAV IS MOVING TOWARD THE NORTHWEST NEAR 16 MPH AND THIS MOTION IS

EXPECTED TO CONTINUE PRIOR TO LANDFALL. ON THE FORECAST TRACK...THE CENTER OF GUSTAV WOULD REACH THE NORTHERN GULF COAST DURING THE DAYLIGHT HOURS TOMORROW. A DECREASE IN FORWARD SPEED IS EXPECTED TO OCCUR ON TUESDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 115 MPH WITH HIGHER GUSTS. GUSTAV IS A CATEGORY THREE HURRICANE ON THE SAFFIR-SIMPSON SCALE. A LITTLE STRENGTHENING IS POSSIBLE PRIOR TO LANDFALL.

GUSTAV IS A LARGE TROPICAL CYCLONE. HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 70 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 220 MILES.

THE LATEST MINIMUM CENTRAL PRESSURE ESTIMATED FROM NOAA AIRCRAFT RECONNAISSANCE DATA WAS 954 MB...28.17 INCHES.

AN EXTREMELY DANGEROUS STORM SURGE OF 10 TO 14 FEET ABOVE NORMAL TIDAL LEVELS IS EXPECTED NEAR AND TO THE EAST OF WHERE THE CENTER OF GUSTAV CROSSES THE COAST.

GUSTAV IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 6 TO 12 INCHES OVER PORTIONS OF LOUISIANA...SOUTHERN AND WESTERN MISSISSIPPI...ARKANSAS AND NORTHEASERN TEXAS...WITH ISOLATED MAXIMUM AMOUNTS OF UP TO 20 INCHES POSSIBLE THROUGH WEDNESDAY.

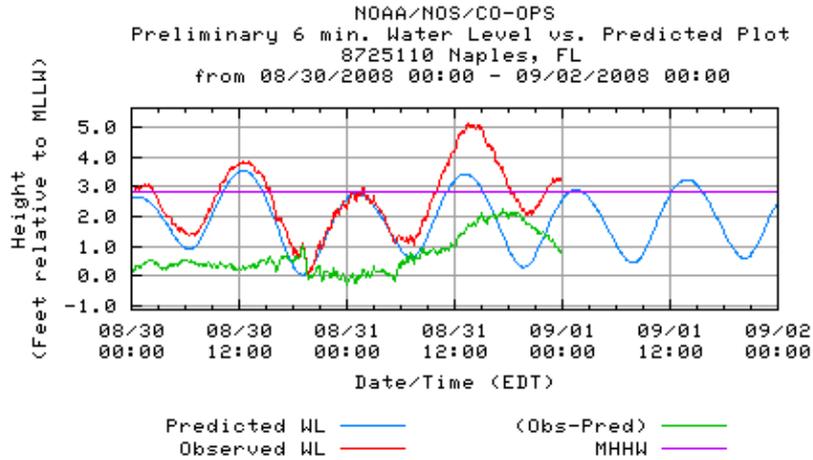
ISOLATED TORNADOES ARE POSSIBLE OVER THE CENTRAL GULF COAST TONIGHT.

FORECASTER FRANKLIN

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.

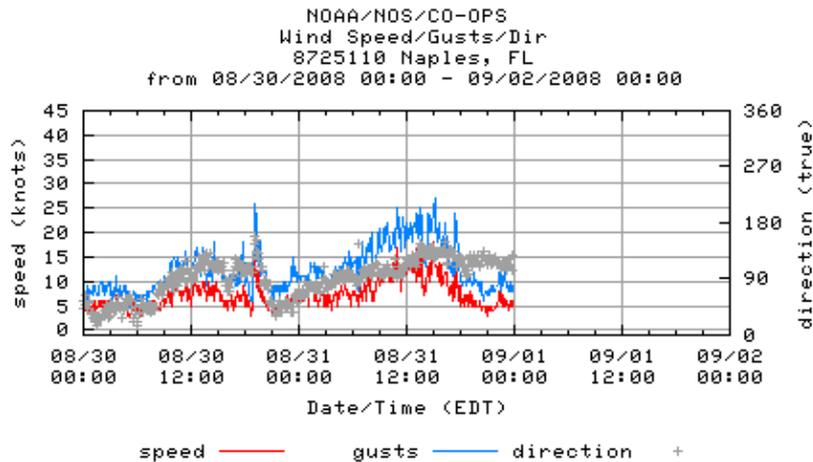
Jump to: [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Old Port Tampa - Water Level](#), [Old Port Tampa - Winds](#), [Cedar Key - Water Level](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Dauphin Island - Air/Water Temp](#), [Dauphin Island - Barometric](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Air/Water Temp](#), [Bay Waveland Yacht Club - Barometric](#), [Pilots Station East, SW Pass - Water Level](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Air/Water Temp](#), [Grand Isle - Barometric](#), [Cypremort Point - Water Level](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Air/Water Temp](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#),

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



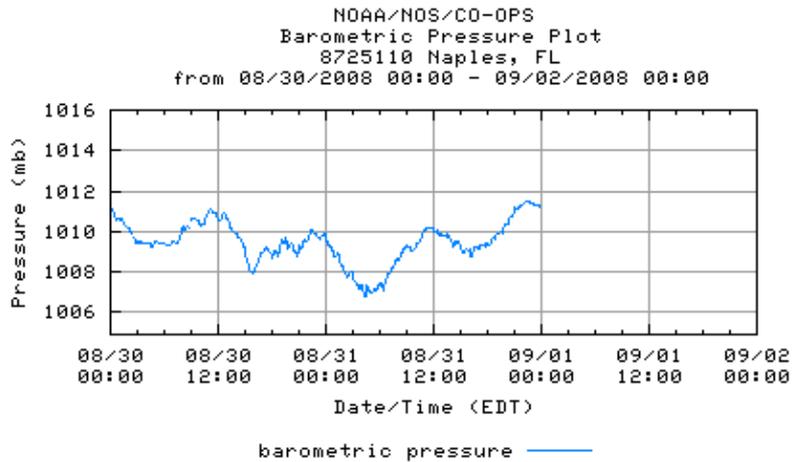
Last Observed Sample: 08/31/2008 23:48 (EDT)
 Relative to **MLLW**: **Observed: 3.25 ft. Predicted: 2.49 ft. Residual: 0.76 ft.**
 Historical Maximum Water Level: 12/21/1972, 3.11 ft. above **MHHW**

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



Last Observed Sample: 08/31/2008 23:48 (EDT)
Wind Speed: 6 knots Gusts: 9 knots Direction: 105° T

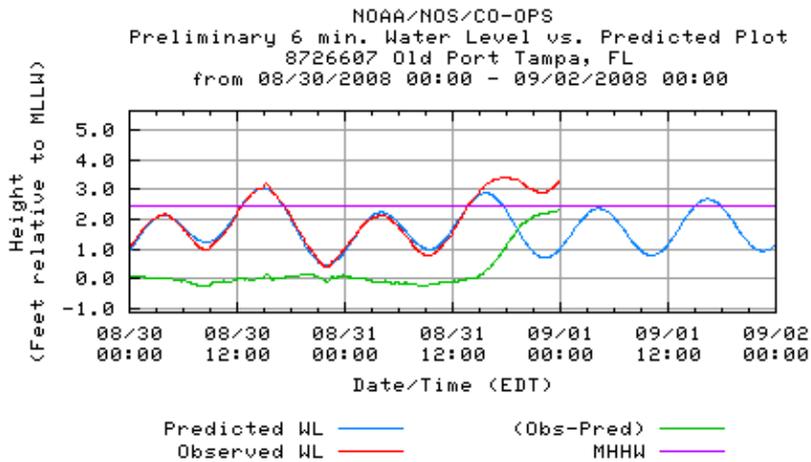
Naples, FL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 23:48 (EDT)

Barometric Pressure: 1011.3 mb

Old Port Tampa, FL - Station Map [Return to List](#)

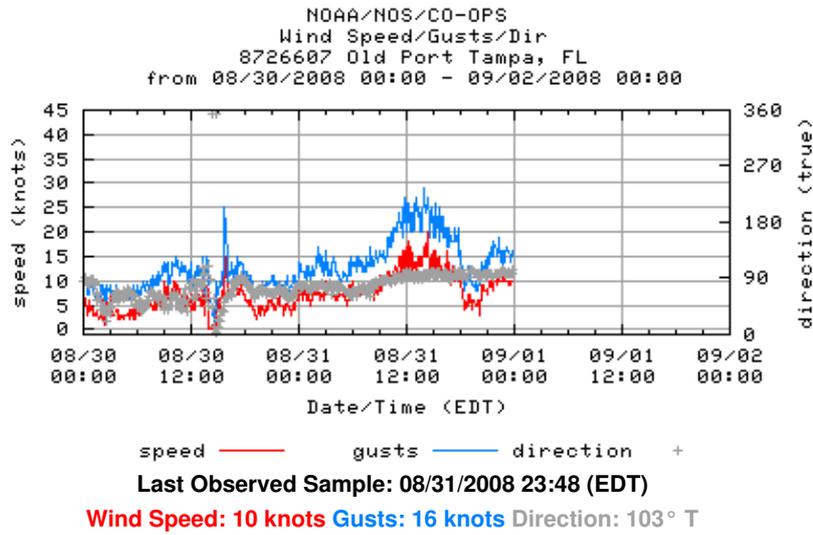


Last Observed Sample: 08/31/2008 23:48 (EDT)

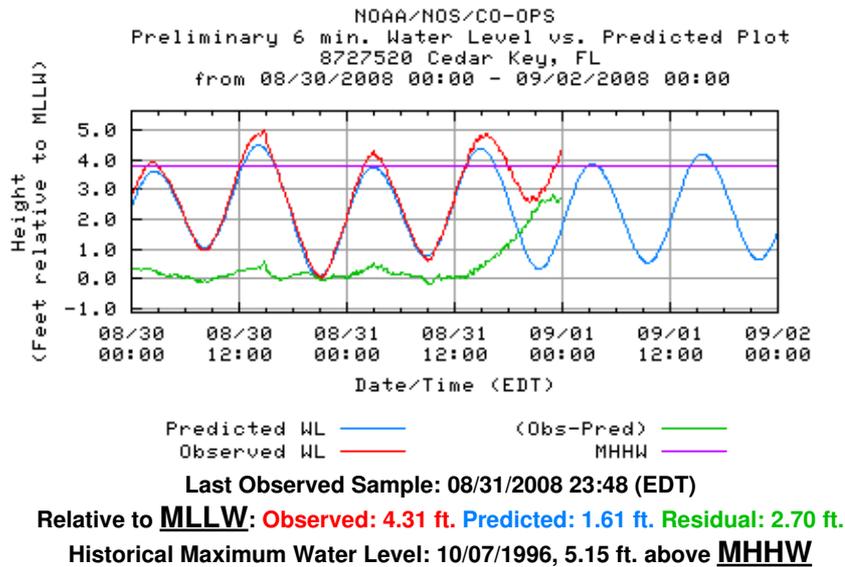
Relative to **MLLW**: **Observed: 3.27 ft.** **Predicted: 0.96 ft.** **Residual: 2.31 ft.**

Historical Maximum Water Level: 10/08/1996, 3.56 ft. above **MHHW**

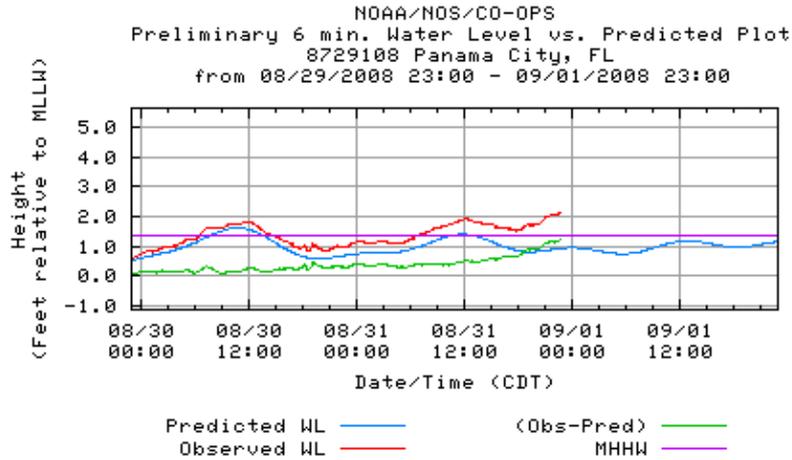
Old Port Tampa, FL - Station Map [Return to List](#)



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

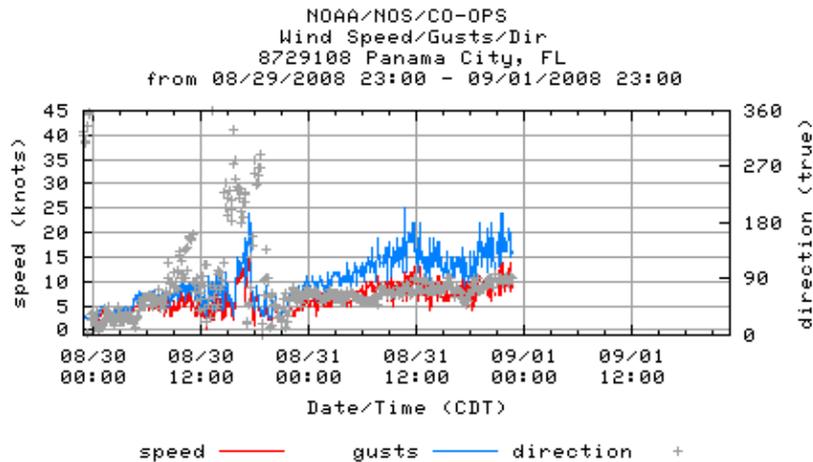


Panama City, FL - Station Map [Return to List](#)



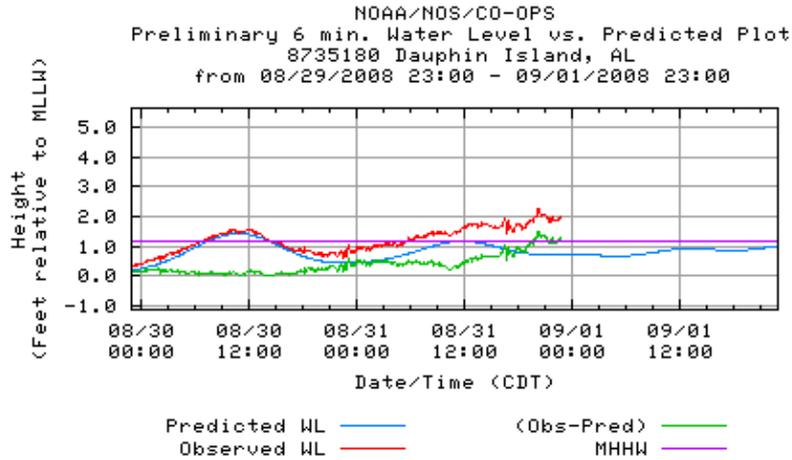
Last Observed Sample: 08/31/2008 22:42 (CDT)
Relative to **MLLW**: **Observed: 2.15 ft. Predicted: 0.93 ft. Residual: 1.22 ft.**
Historical Maximum Water Level: 10/04/1995, 5.72 ft. above **MHHW**

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



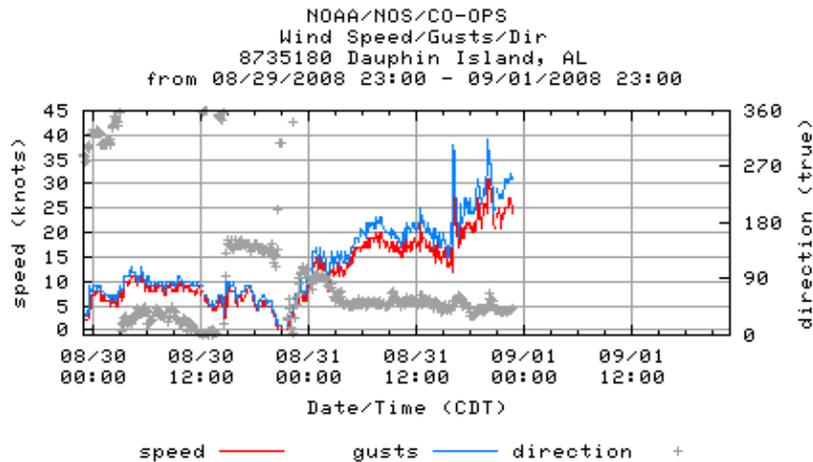
Last Observed Sample: 08/31/2008 22:42 (CDT)
Wind Speed: 9 knots Gusts: 16 knots Direction: 092° T

Dauphin Island, AL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 22:42 (CDT)
 Relative to **MLLW**: **Observed: 2.02 ft. Predicted: 0.73 ft. Residual: 1.29 ft.**
 Historical Maximum Water Level: 09/02/1985, 3.36 ft. above **MHHW**

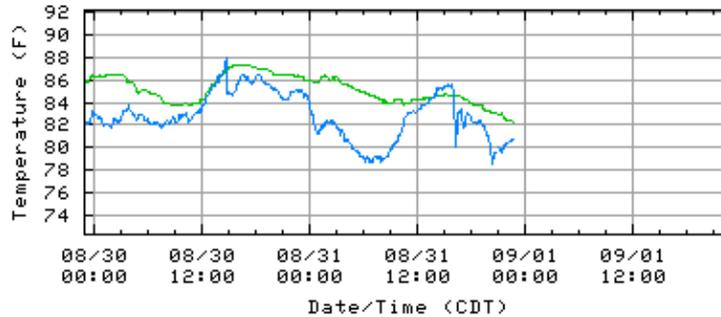
Dauphin Island, AL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 22:42 (CDT)
Wind Speed: 24 knots Gusts: 31 knots Direction: 044° T

Dauphin Island, AL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8735180 Dauphin Island, AL
from 08/29/2008 23:00 - 09/01/2008 23:00



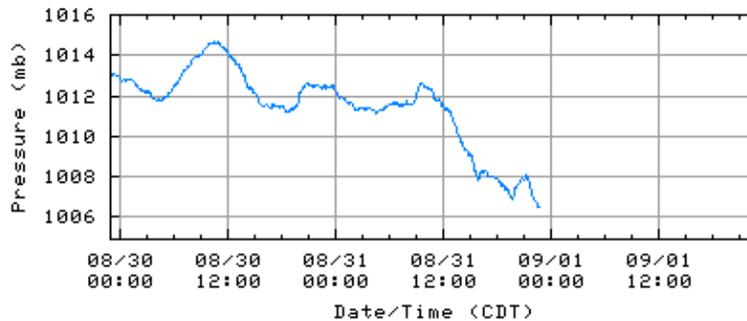
water temp. — air temp. —

Last Observed Sample: 08/31/2008 22:42 (CDT)

Water Temperature: 82.2° F Air Temperature: 80.8° F

Dauphin Island, AL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8735180 Dauphin Island, AL
from 08/29/2008 23:00 - 09/01/2008 23:00

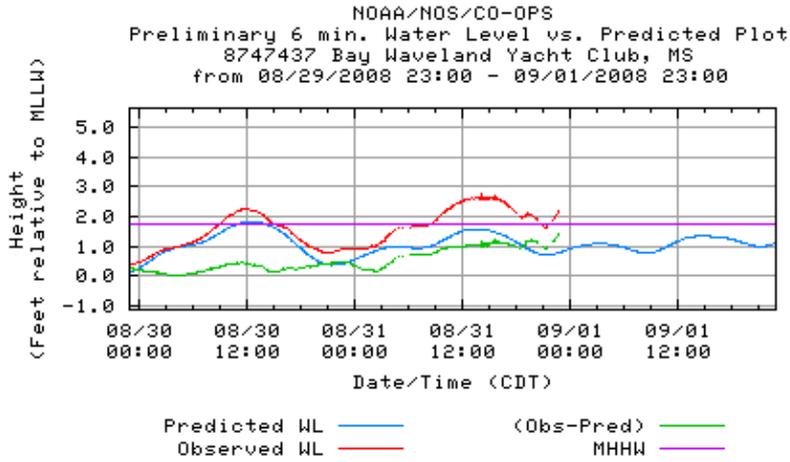


barometric pressure —

Last Observed Sample: 08/31/2008 22:42 (CDT)

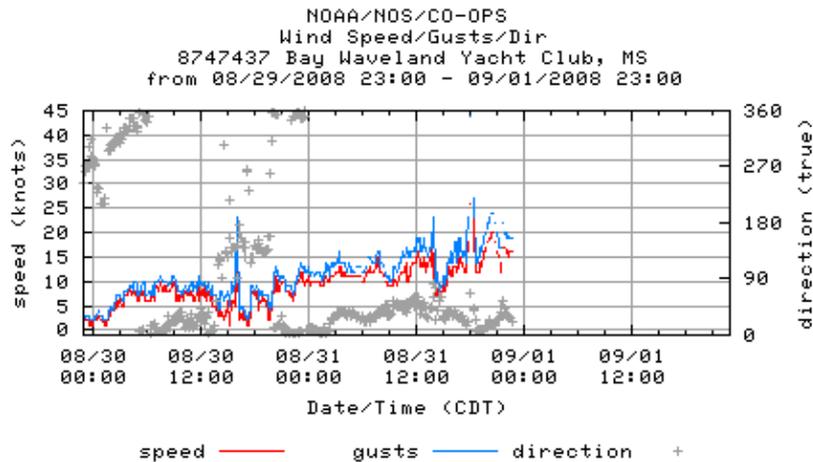
Barometric Pressure: 1006.5 mb

Bay Waveland Yacht Club, MS - Station Map [Return to List](#)



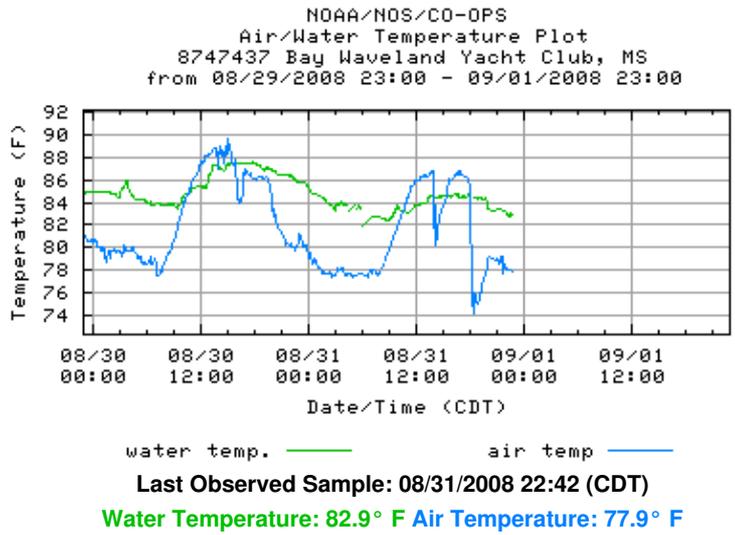
Last Observed Sample: 08/31/2008 22:42 (CDT)
 Relative to **MLLW**: **Observed: 2.17 ft. Predicted: 0.77 ft. Residual: 1.40 ft.**
 Historical Maximum Water Level: 10/28/1985, 5.05 ft. above **MHHW**

Bay Waveland Yacht Club, MS - Station Map [Return to List](#)

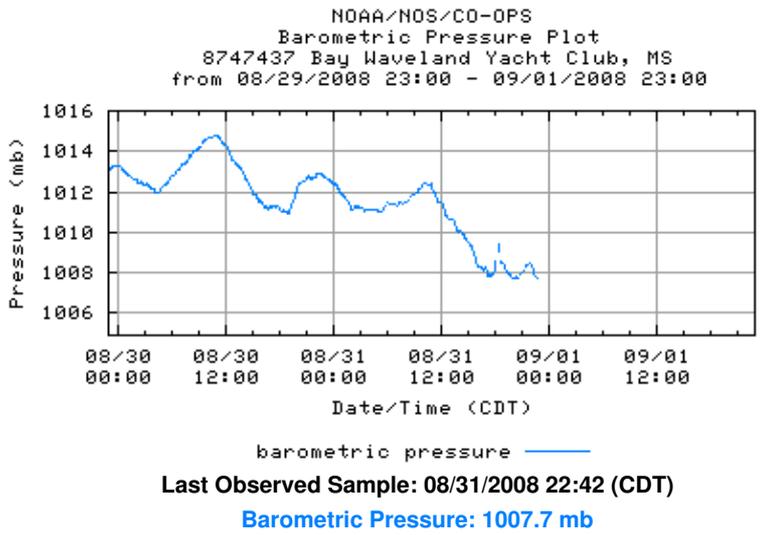


Last Observed Sample: 08/31/2008 22:42 (CDT)
Wind Speed: 16 knots Gusts: 19 knots Direction: 022° T

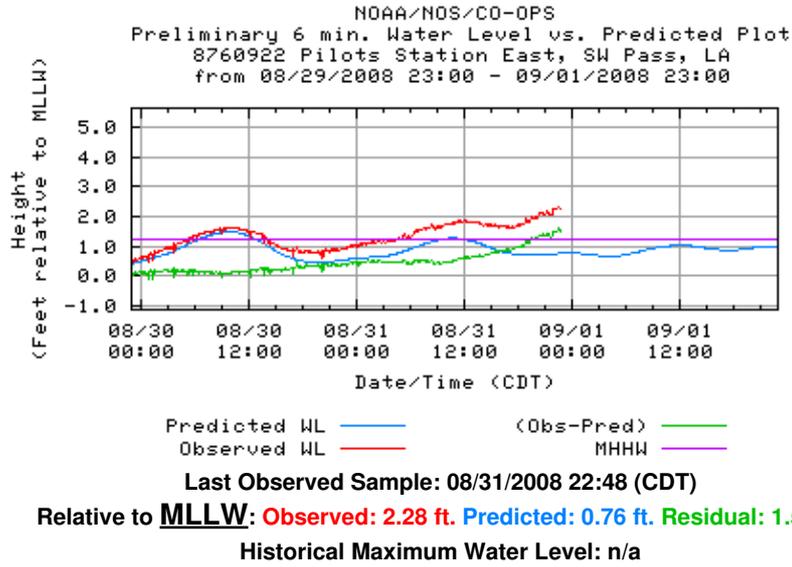
Bay Waveland Yacht Club, MS - Station Map [Return to List](#)



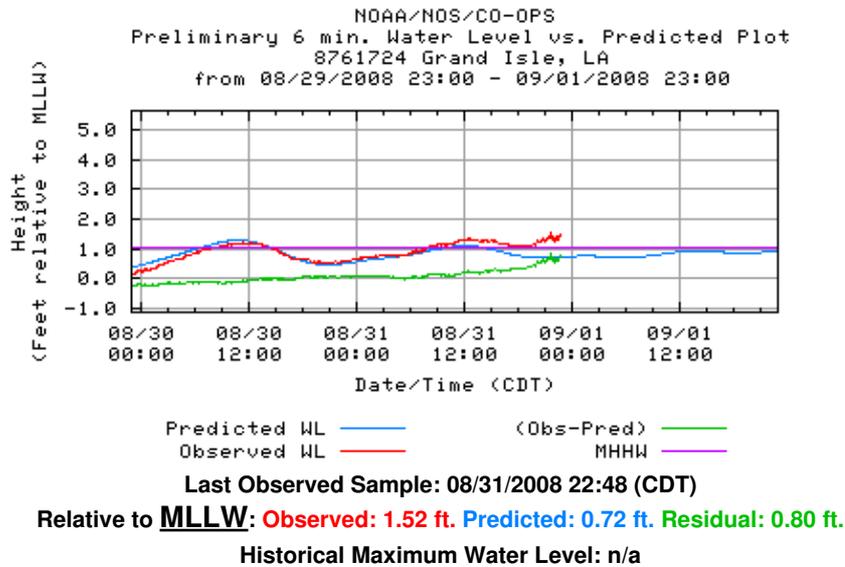
Bay Waveland Yacht Club, MS - Station Map [Return to List](#)



Pilots Station East, SW Pass, LA - Station Map [Return to List](#)

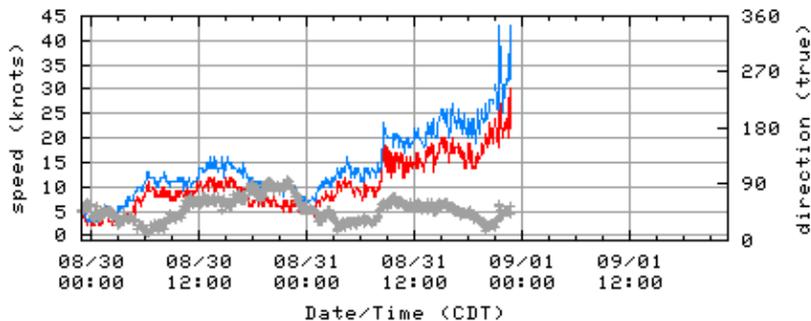


Grand Isle, LA - Station Map [Return to List](#)



Grand Isle, LA - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8761724 Grand Isle, LA
from 08/29/2008 23:00 - 09/01/2008 23:00



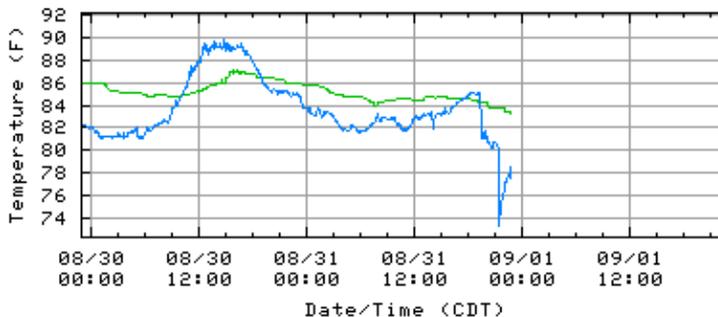
speed — gusts — direction +

Last Observed Sample: 08/31/2008 22:48 (CDT)

Wind Speed: 22 knots Gusts: 32 knots Direction: 044° T

Grand Isle, LA - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8761724 Grand Isle, LA
from 08/29/2008 23:00 - 09/01/2008 23:00

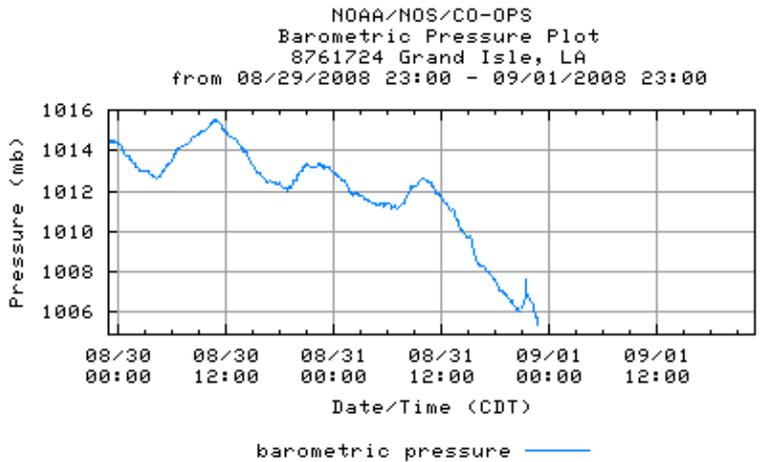


water temp. — air temp —

Last Observed Sample: 08/31/2008 22:48 (CDT)

Water Temperature: 83.3° F Air Temperature: 78.6° F

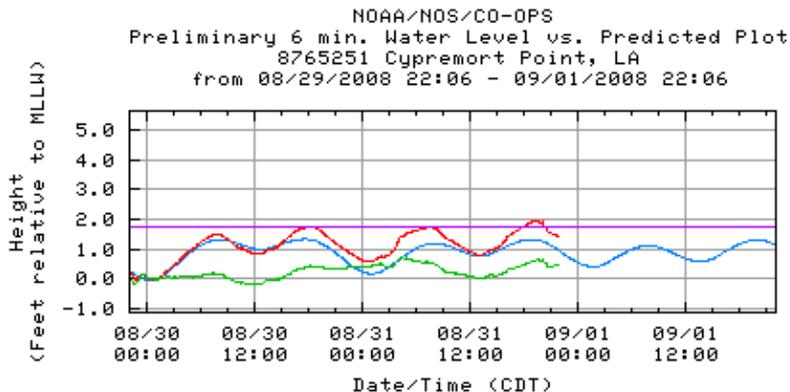
Grand Isle, LA - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 22:48 (CDT)

Barometric Pressure: 1005.4 mb

Cypremort Point, LA - Station Map [Return to List](#)

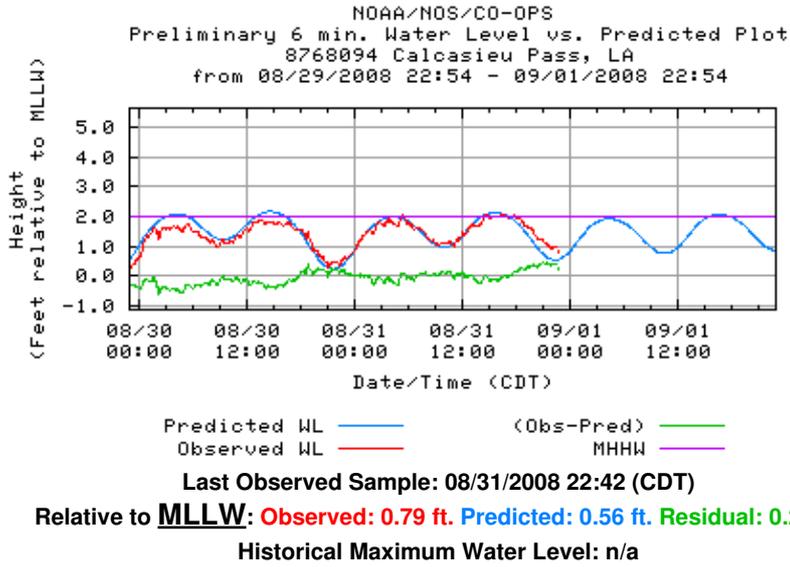


Last Observed Sample: 08/31/2008 21:48 (CDT)

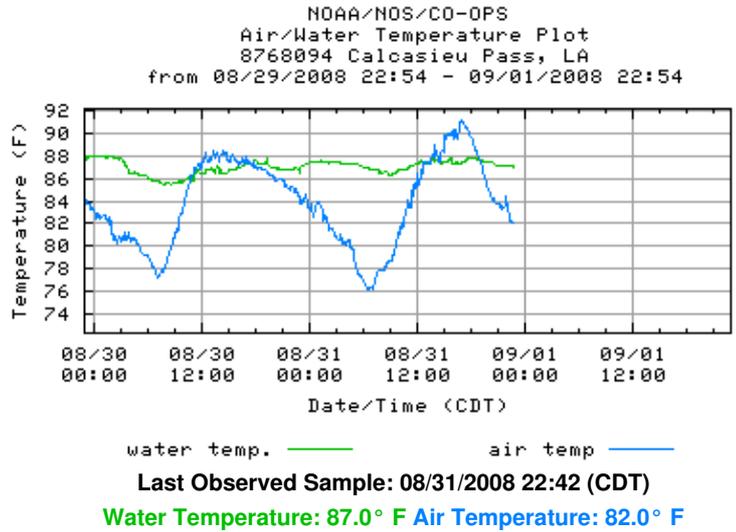
Relative to **MLLW**: Observed: 1.43 ft. Predicted: 0.99 ft. Residual: 0.44 ft.

Historical Maximum Water Level: n/a

Calcasieu Pass, LA - Station Map [Return to List](#)

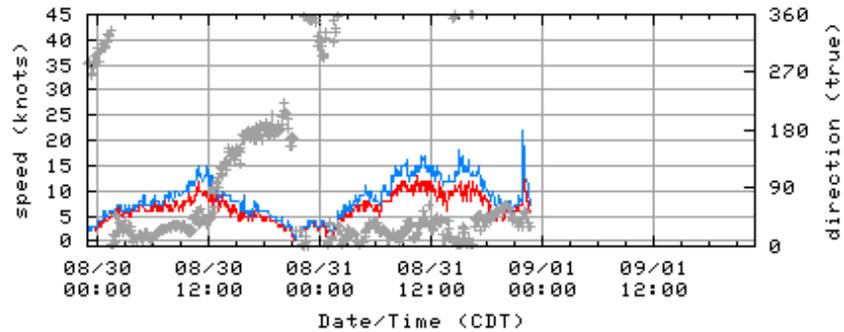


Calcasieu Pass, LA - Station Map [Return to List](#)



Calcasieu Pass, LA - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8768094 Calcasieu Pass, LA
from 08/29/2008 22:54 - 09/01/2008 22:54



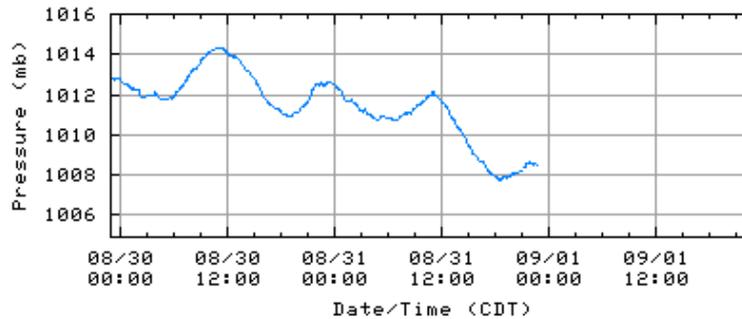
speed — gusts — direction +

Last Observed Sample: 08/31/2008 22:42 (CDT)

Wind Speed: 6 knots Gusts: 7 knots Direction: 031° T

Calcasieu Pass, LA - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8768094 Calcasieu Pass, LA
from 08/29/2008 22:54 - 09/01/2008 22:54



barometric pressure —

Last Observed Sample: 08/31/2008 22:42 (CDT)

Barometric Pressure: 1008.5 mb

Hurricane GUSTAV QuickLook, POSTED 23:00 CDT 08/31/2008

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