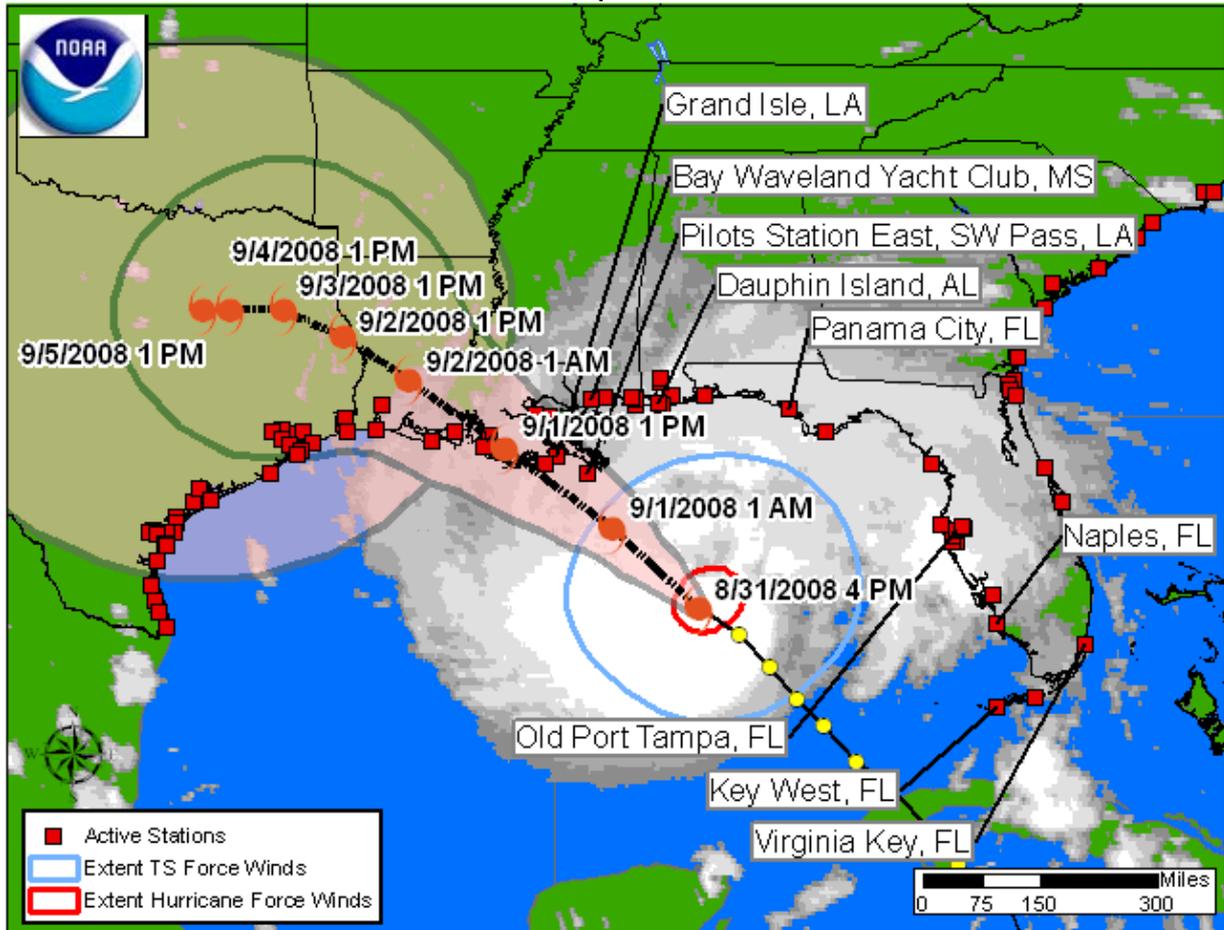




Hurricane GUSTAV QuickLook
Posted: 17:00 CDT 08/31/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/31/2008 17:00 CDT, water levels along the Florida Keys and southern Florida are still elevated and are approximately 0.8 to 1.0 feet above predicted. Water levels from the Florida panhandle to Louisiana are beginning to rise above predicted. Water levels at Old Port Tampa, Fla starting to rise while Grand Isle, LA remain at predicted. Winds are still increasing along the Gulf Coast. Barometric pressure continues to fall across the region.

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

Key West, FL: Next predicted high tide is 1.86 ft (0.57 m) at 08/31/2008 23:21 EDT.

Virginia Key, FL: Next predicted high tide is 2.60 ft (0.79 m) at 08/31/2008 22:18 EDT.

Naples, FL: Next predicted high tide is 0.30 ft (0.09 m) at 08/31/2008 19:42 EDT.

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

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 0.70 ft (0.21 m) at 08/31/2008 18:43 CDT.

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

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE GUSTAV ADVISORY NUMBER 29

400 PM CDT SUN AUG 31 2008

...GUSTAV MOVING QUICKLY NORTHWESTWARD OVER THE CENTRAL GULF OF MEXICO...HURRICANE WARNING EXTENDED WESTWARD...

AT 4 PM CDT THE HURRICANE WARNING IS EXTENDED WESTWARD ALONG THE LOUISIANA AND TEXAS COASTS TO JUST EAST OF HIGH ISLAND TEXAS. A HURRICANE WARNING IS NOW IN EFFECT FROM JUST EAST OF HIGH ISLAND EASTWARD TO THE ALABAMA-FLORIDA BORDER...INCLUDING THE CITY OF NEW ORLEANS AND LAKE PONTCHARTRAIN. A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS. 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. A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

AT 5 PM EDT THE TROPICAL STORM WARNING IS DISCONTINUED FOR THE DRY TORTUGAS.

AT 400 PM CDT THE CENTER OF HURRICANE GUSTAV WAS LOCATED NEAR OR ABOUT 215 MILES SOUTH-SOUTHEAST OF THE MOUTH OF THE MISSISSIPPI

RIVER.

GUSTAV IS MOVING TOWARD THE NORTHWEST NEAR 18 MPH . THIS GENERAL MOTION IS EXPECTED TO CONTINUE WITH A DECREASE IN FORWARD SPEED DURING THE NEXT COUPLE OF DAYS. ON THE FORECAST TRACK... GUSTAV SHOULD MAKE LANDFALL ON THE NORTHERN GULF COAST ON MONDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 115 MPH WITH HIGHER GUSTS. GUSTAV IS A CATEGORY THREE HURRICANE ON THE SAFFIR-SIMPSON SCALE. SOME RE-INTENSIFICATION IS POSSIBLE TONIGHT. FLUCTUATIONS IN STRENGTH ARE LIKELY THEREAFTER...BUT GUSTAV IS FORECAST TO REMAIN A MAJOR HURRICANE UNTIL LANDFALL.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 65 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 220 MILES . TROPICAL STORM CONDITIONS SHOULD BEGIN TO SPREAD ONTO THE NORTHERN GULF COAST TONIGHT WITH HURRICANE CONDITIONS STARTING TO SPREAD ONSHORE EARLY MONDAY MORNING.

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 NORTHERN GULF COAST. ABOVE NORMAL TIDES IN THE DRY TORTUGAS SHOULD DIMINISH TONIGHT.

GUSTAV IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 6 TO 12 INCHES OVER PORTION OF LOUISIANA SOUTHERN MISSISSIPPI AND SOUTHERN ARKANSAS WITH ISOLATED MAXIMUM AMOUNTS OF UP TO 20 INCHES POSSIBLE THROUGH WEDNESDAY MORNING.ADDITIONAL RAINFALL AMOUNTS OF ABOUT AN INCH ARE POSSIBLE OVER FLORIDA KEYS AND SOUTH FLORIDA.

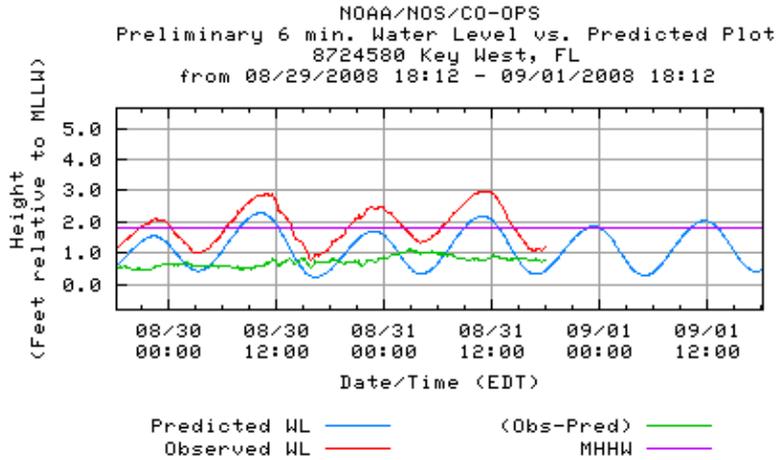
ISOLATED TORNADOES ARE POSSIBLE OVER THE CENTRAL GULF COAST TONIGHT.

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.

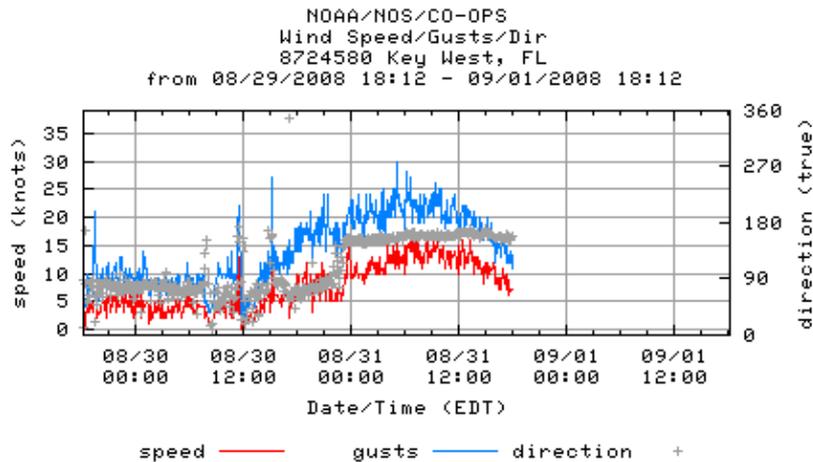
Jump to: [Key West - Water Level](#), [Key West - Winds](#), [Virginia Key - Water Level](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Old Port Tampa - Water Level](#), [Old Port Tampa - Winds](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Dauphin Island - 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](#).

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



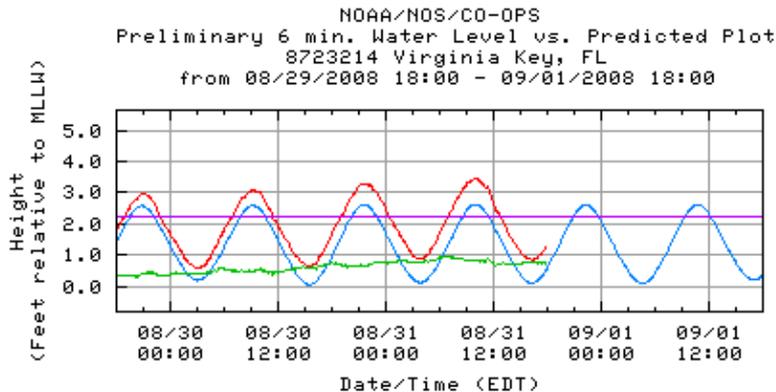
Last Observed Sample: 08/31/2008 18:00 (EDT)
 Relative to **MLLW**: **Observed: 1.19 ft. Predicted: 0.44 ft. Residual: 0.75 ft.**
 Historical Maximum Water Level: 09/08/1965, 1.93 ft. above **MHHW**

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



Last Observed Sample: 08/31/2008 18:00 (EDT)
Wind Speed: 7 knots Gusts: 11 knots Direction: 158° T

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



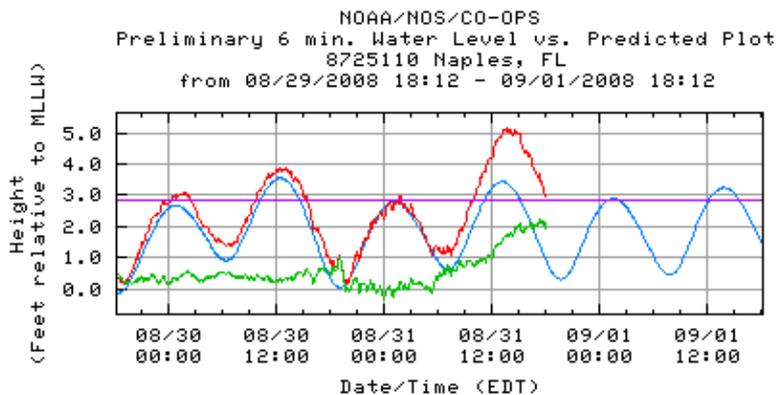
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 08/31/2008 17:48 (EDT)

Relative to **MLLW**: **Observed: 1.25 ft. Predicted: 0.50 ft. Residual: 0.75 ft.**

Historical Maximum Water Level: 11/15/1994, 1.9 ft. above **MHHW**

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



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

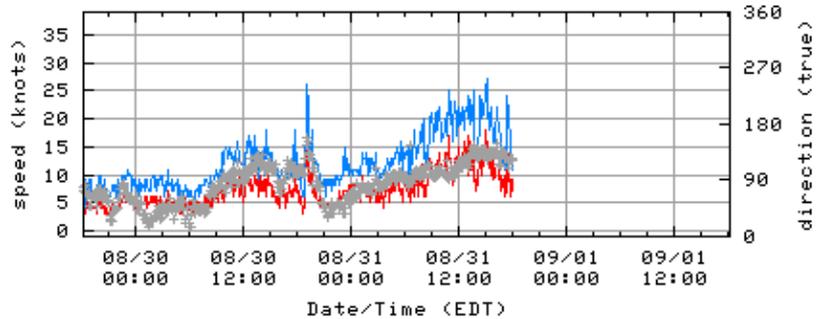
Last Observed Sample: 08/31/2008 18:00 (EDT)

Relative to **MLLW**: **Observed: 3.03 ft. Predicted: 0.94 ft. Residual: 2.09 ft.**

Historical Maximum Water Level: 12/21/1972, 3.11 ft. above **MHHW**

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

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8725110 Naples, FL
from 08/29/2008 18:12 - 09/01/2008 18:12



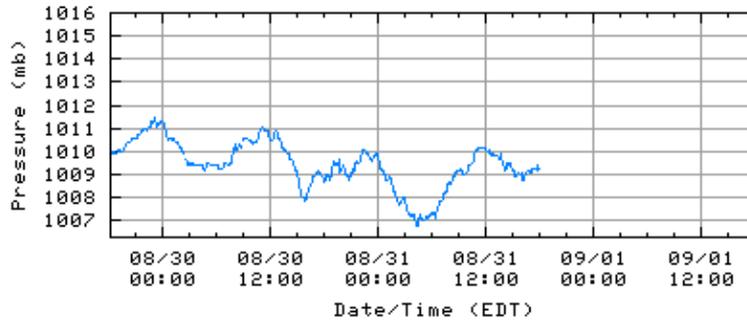
speed — gusts — direction +

Last Observed Sample: 08/31/2008 18:00 (EDT)

Wind Speed: 9 knots Gusts: 12 knots Direction: 125° T

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

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8725110 Naples, FL
from 08/29/2008 18:12 - 09/01/2008 18:12

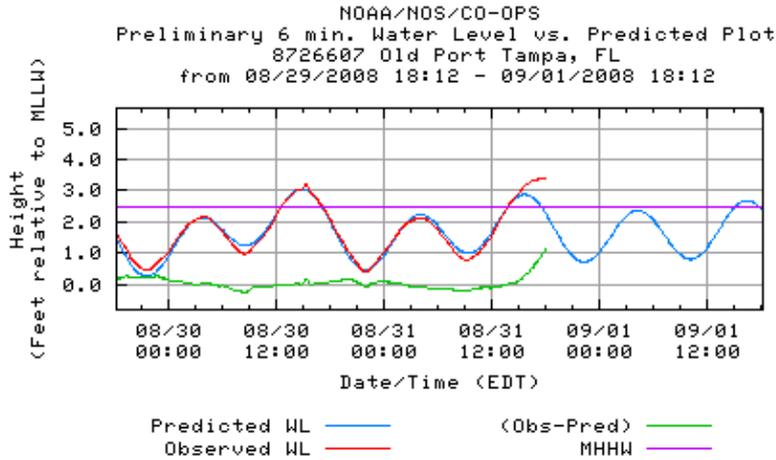


barometric pressure —

Last Observed Sample: 08/31/2008 18:00 (EDT)

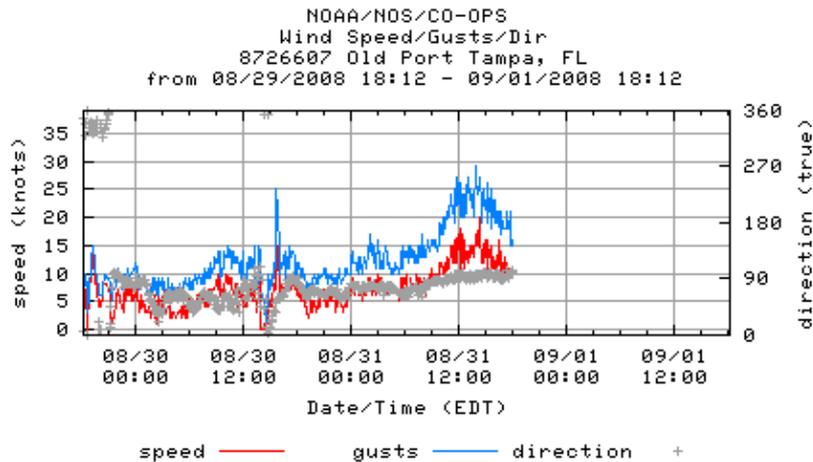
Barometric Pressure: 1009.3 mb

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



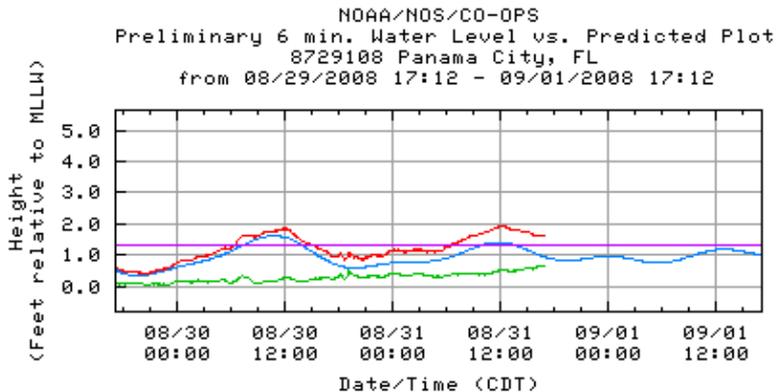
Last Observed Sample: 08/31/2008 18:00 (EDT)
 Relative to **MLLW**: **Observed: 3.42 ft. Predicted: 2.28 ft. Residual: 1.14 ft.**
 Historical Maximum Water Level: 10/08/1996, 3.56 ft. above **MHHW**

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



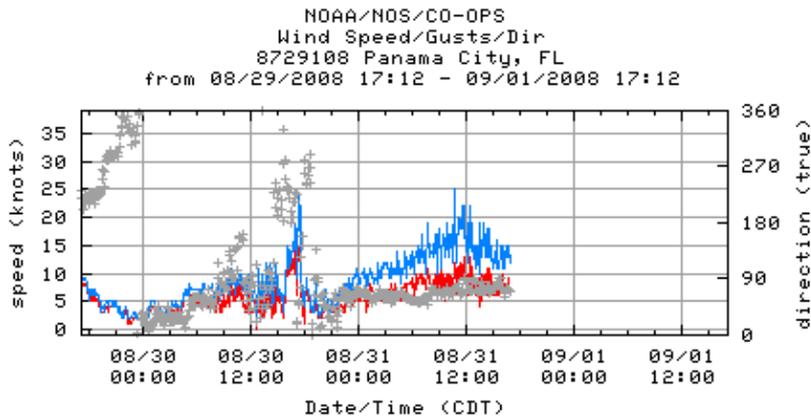
Last Observed Sample: 08/31/2008 18:00 (EDT)
Wind Speed: 10 knots Gusts: 16 knots Direction: 103° T

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



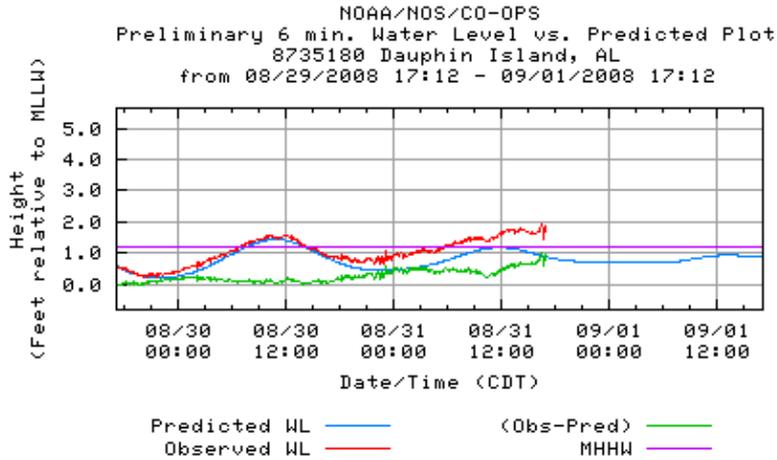
Last Observed Sample: 08/31/2008 16:54 (CDT)
 Relative to **MLLW**: **Observed: 1.62 ft. Predicted: 0.95 ft. Residual: 0.67 ft.**
 Historical Maximum Water Level: 10/04/1995, 5.72 ft. above **MHHW**

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



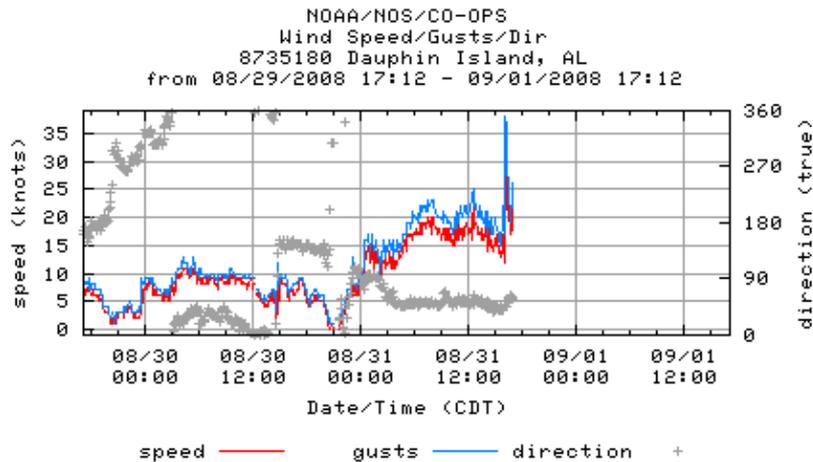
Last Observed Sample: 08/31/2008 16:54 (CDT)
Wind Speed: 6 knots Gusts: 12 knots Direction: 069° T

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



Last Observed Sample: 08/31/2008 17:00 (CDT)
 Relative to **MLLW**: **Observed: 1.86 ft. Predicted: 0.88 ft. Residual: 0.98 ft.**
 Historical Maximum Water Level: 09/02/1985, 3.36 ft. above **MHHW**

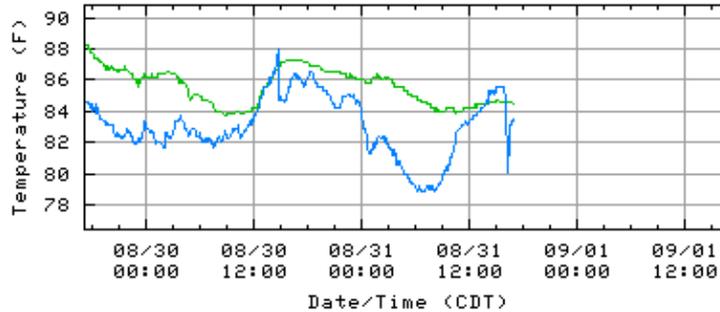
Dauphin Island, AL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 17:00 (CDT)
Wind Speed: 22 knots Gusts: 26 knots Direction: 059° 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 17:12 - 09/01/2008 17:12



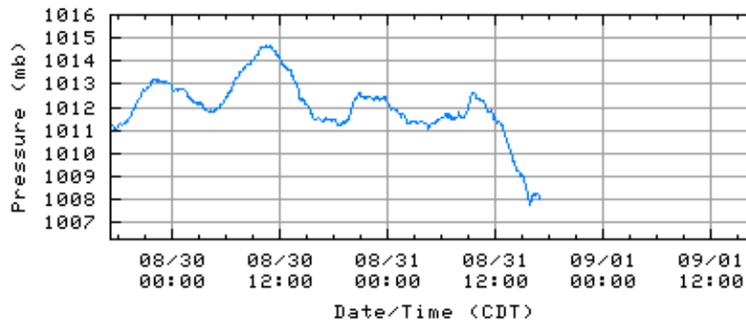
water temp. — air temp. —

Last Observed Sample: 08/31/2008 17:00 (CDT)

Water Temperature: 84.4° F Air Temperature: 83.3° F

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

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8735180 Dauphin Island, AL
from 08/29/2008 17:12 - 09/01/2008 17:12

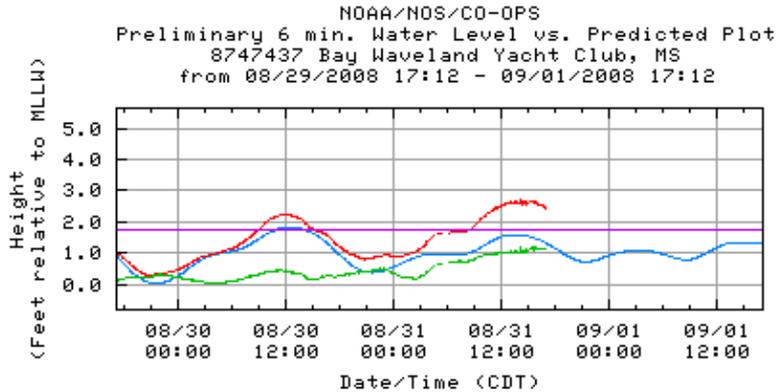


barometric pressure —

Last Observed Sample: 08/31/2008 17:00 (CDT)

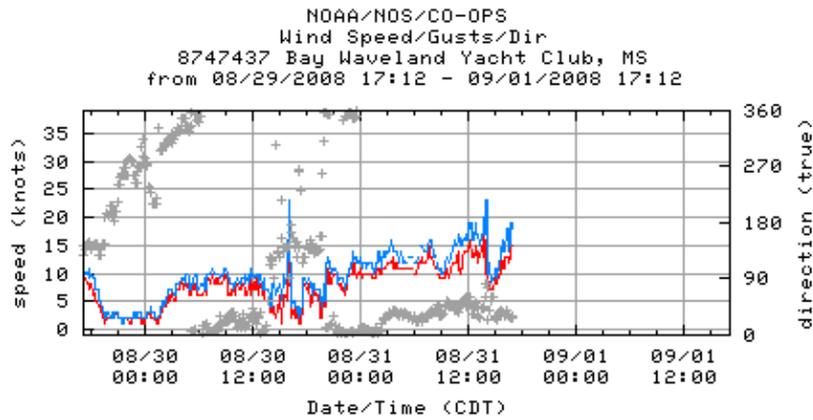
Barometric Pressure: 1008.0 mb

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



Last Observed Sample: 08/31/2008 17:00 (CDT)
 Relative to **MLLW**: **Observed: 2.44 ft. Predicted: 1.33 ft. Residual: 1.11 ft.**
 Historical Maximum Water Level: 10/28/1985, 5.05 ft. above **MHHW**

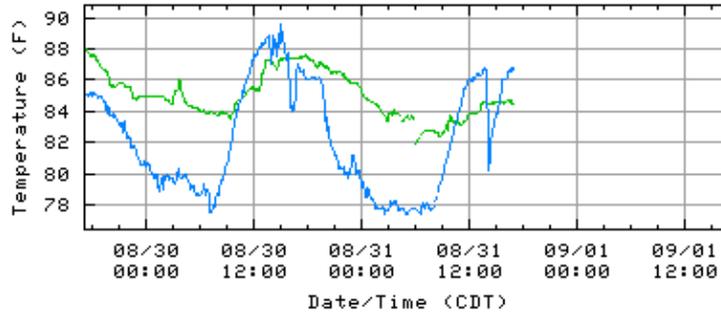
Bay Waveland Yacht Club, MS - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 17:00 (CDT)
Wind Speed: 15 knots Gusts: 18 knots Direction: 030° T

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

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8747437 Bay Waveland Yacht Club, MS
from 08/29/2008 17:12 - 09/01/2008 17:12



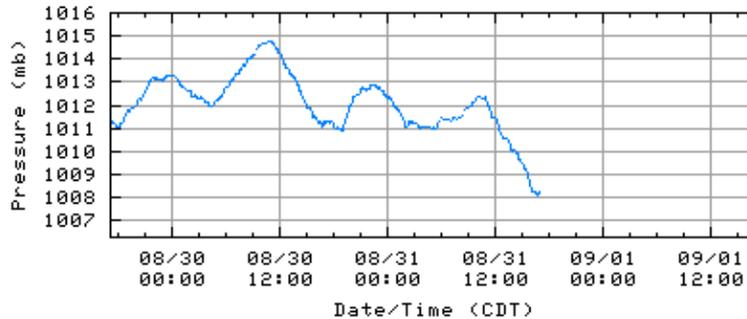
water temp. — air temp. —

Last Observed Sample: 08/31/2008 17:00 (CDT)

Water Temperature: 84.5° F Air Temperature: 86.7° F

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

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8747437 Bay Waveland Yacht Club, MS
from 08/29/2008 17:12 - 09/01/2008 17:12

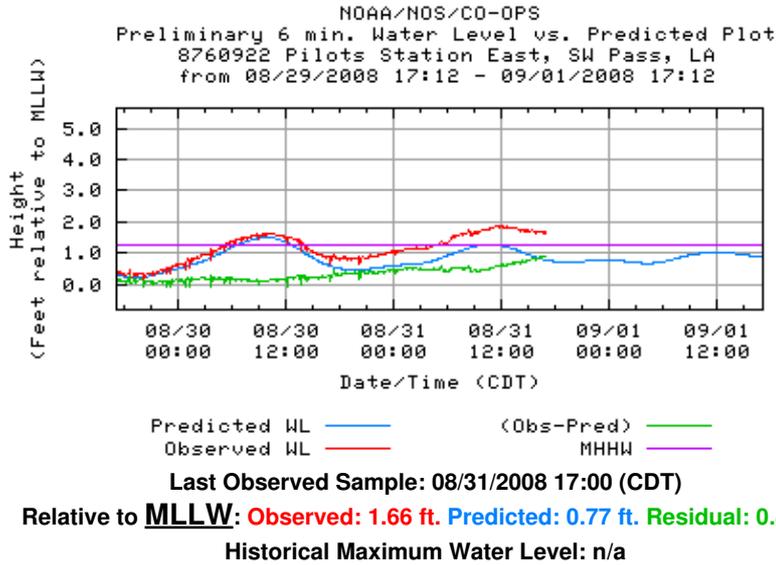


barometric pressure —

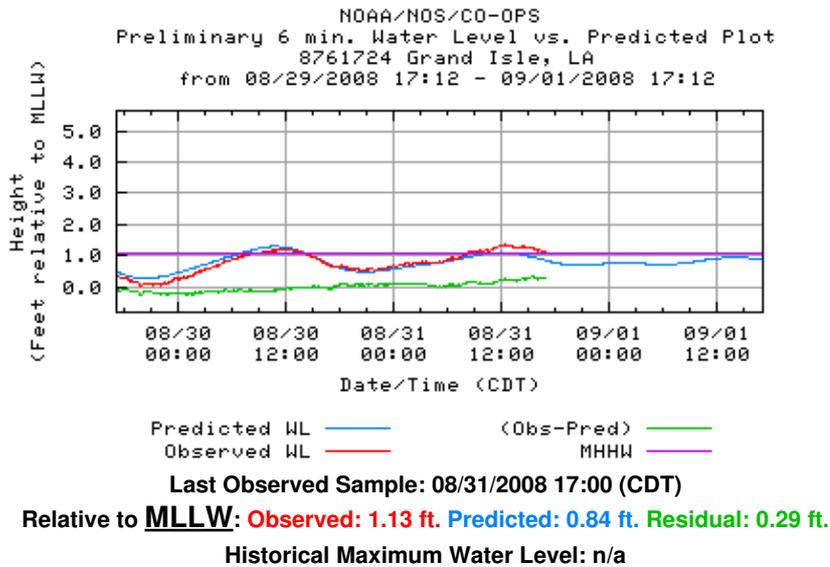
Last Observed Sample: 08/31/2008 17:00 (CDT)

Barometric Pressure: 1008.3 mb

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

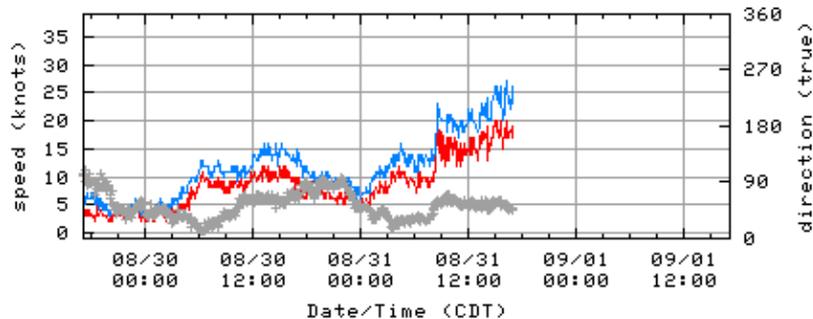


Grand Isle, LA - Station Map [Return to List](#)



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

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8761724 Grand Isle, LA
from 08/29/2008 17:12 - 09/01/2008 17:12



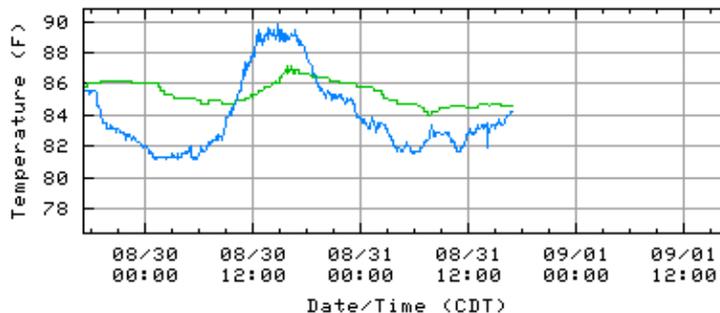
speed — gusts — direction +

Last Observed Sample: 08/31/2008 17:00 (CDT)

Wind Speed: 17 knots Gusts: 23 knots Direction: 046° 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 17:12 - 09/01/2008 17:12



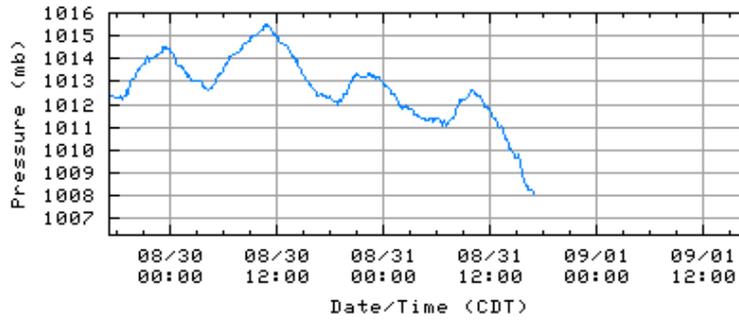
water temp. — air temp —

Last Observed Sample: 08/31/2008 17:00 (CDT)

Water Temperature: 84.6° F Air Temperature: 84.2° F

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

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8761724 Grand Isle, LA
from 08/29/2008 17:12 - 09/01/2008 17:12



barometric pressure —

Last Observed Sample: 08/31/2008 17:00 (CDT)

Barometric Pressure: 1008.1 mb

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