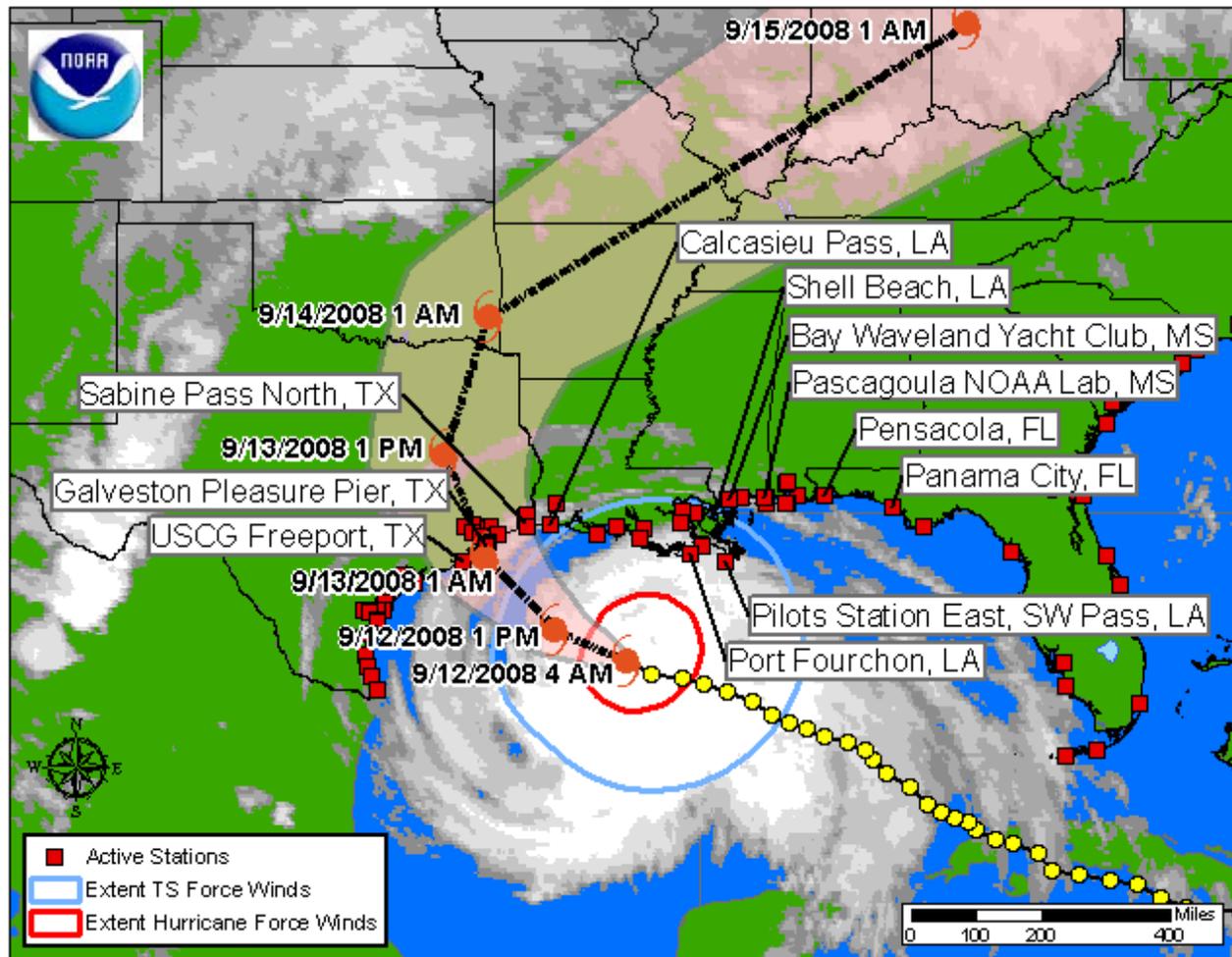




Hurricane IKE QuickLook  
Posted: 05:00 CDT 09/12/2008

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



### Storm Analysis

As of 09/12/2008 05:00 CDT, water levels are rising along the Gulf Coast from Mississippi to southern Texas and range from 2.5 to 6.5 feet above predicted. The highest water levels are being recorded at Shell Beach, LA. Water levels along the eastern Gulf Coast are elevated 1.5 to 2.5 feet above predicted. Barometric pressure is falling along the Louisiana and Texas coasts. Winds are increasing across Mississippi and Louisiana with winds at Pilots Station East, SW Pass, LA recording frequent gusts over 50 knots.

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

Shell Beach, LA: Next predicted high tide is 1.47 ft (0.45 m) at 09/12/2008 12:27 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tide is 1.90 ft (0.58 m) at 09/12/2008 10:27 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tide is 1.56 ft (0.48 m) at 09/12/2008 07:30 CDT.

Port Fourchon, LA: Next predicted high tide is 1.68 ft (0.51 m) at 09/12/2008 08:09 CDT.

Calcasieu Pass, LA: Next predicted high tide is 1.90 ft (0.58 m) at 09/12/2008 12:53 CDT.

Sabine Pass North, TX: Next predicted high tide is 1.60 ft (0.49 m) at 09/12/2008 13:28 CDT.

Galveston Pleasure Pier, TX: Next predicted high tide is 1.80 ft (0.55 m) at 09/12/2008 13:03 CDT.

USCG Freeport, TX: Next predicted high tide is 1.40 ft (0.43 m) at 09/12/2008 12:20 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tide is 1.46 ft (0.45 m) at 09/12/2008 08:42 CDT.

Pensacola, FL: Next predicted high tide is 1.71 ft (0.52 m) at 09/12/2008 09:21 CDT.

Panama City, FL: Next predicted high tide is 1.65 ft (0.50 m) at 09/12/2008 08:42 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: ND

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

HURRICANE IKE ADVISORY NUMBER 45

400 AM CDT FRI SEP 12 2008

IKE GETS A LITTLE STRONGER FORECAST TO BECOME A MAJOR HURRICANE

A HURRICANE WARNING REMAINS IN EFFECT FROM MORGAN CITY LOUISIANA TO BAFFIN BAY TEXAS. HURRICANE CONDITIONS ARE EXPECTED TO REACH THE COAST IN THE WARNING AREA LATER TODAY. PREPARATIONS TO PROTECT LIFE AN PROPERTY IN THE HURRICANE WARNING AREA SHOULD BE RUSHED TO COMPLETION.

A TROPICAL STORM WARNING REMAINS IN EFFECT SOUTH OF BAFFIN BAY TO PORT MANSFIELD TEXAS. A TROPICAL STORM WARNING IS ALSO IN EFFECT FROM EAST OF MORGAN CITY TO THE MISSISSIPPI-ALABAMA BORDER INCLUDING THE CITY OF NEW ORLEANS AND LAKE PONTCHARTRAIN.

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

AT 400 AM CDT 0900Z THE CENTER OF HURRICANE IKE WAS LOCATED NEAR LATITUDE 26.7 NORTH LONGITUDE 91.6 WEST OR ABOUT 365 MILES 585 KM EAST OF CORPUS CHRISTI TEXAS AND ABOUT 265 MILES 425 KM SOUTHEAST OF GALVESTON TEXAS.

IKE IS MOVING TOWARD THE WEST-NORTHWEST NEAR 13 MPH 20 KM/HR. A TURN TOWARD THE NORTHWEST IS EXPECTED LATER TODAY WITH A TURN TOWARD THE NORTH EXPECTED ON SATURDAY. ON THE FORECAST TRACK THE CENTER OF IKE WILL BE VERY NEAR THE UPPER TEXAS COAST BY LATE TODAY OR EARLY SATURDAY. HOWEVER BECAUSE IKE IS A VERY LARGE TROPICAL CYCLONE WEATHER WILL DETERIORATE ALONG THE COASTLINE TODAY LONG BEFORE THE CENTER REACHES THE COAST.

REPORTS FROM AN AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT INDICATE THAT MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 105 MPH 165 KM/HR WITH HIGHER GUSTS. IKE IS A CATEGORY TWO HURRICANE ON THE SAFFIR-SIMPSON SCALE. SOME ADDITIONAL STRENGTHENING IS FORECAST DURING THE NEXT 24 HOURS AND IKE IS FORECAST TO BECOME A

**MAJOR HURRICANE BEFORE THE CENTER REACHES THE COAST.**

**IKE REMAINS A VERY LARGE TROPICAL CYCLONE. HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 120 MILES 195 KM FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 275 MILES 445 KM. AN OIL PLATFORM IN THE NORTHWESTERN GULF OF MEXICO RECENTLY REPORTED SUSTAINED WINDS OF 89 MPH 144 KM/HR AT AN ELEVATION OF 400 FEET.**

**THE LATEST MINIMUM CENTRAL PRESSURE REPORTED BY THE HURRICANE HUNTERS IS 953 MB 28.14 INCHES.**

**COASTAL STORM SURGE FLOODING OF UP TO 20 FEET ABOVE NORMAL TIDE LEVELS ALONG WITH LARGE AND DANGEROUS BATTERING WAVES CAN BE EXPECTED NEAR AND TO THE EAST OF WHERE THE CENTER OF IKE MAKES LANDFALL EXTENDING A GREATER THAN USUAL DISTANCE FROM THE CENTER DUE TO THE LARGE SIZE OF THE CYCLONE. SURGE FLOODING OF UP TO 25 FEET AND POSSIBLY HIGHER COULD OCCUR AT THE HEADS OF BAYS. COASTAL STORM SURGE FLOODING OF 6 TO 8 FEET ABOVE NORMAL TIDE LEVELS ALONG WITH LARGE AND DANGEROUS WAVES CAN BE EXPECTED WITHIN THE TROPICAL STORM WARNING AREA ALONG THE NORTHERN GULF COAST. ABOVE NORMAL TIDES IN THE EASTERN GULF OF MEXICO SHOULD GRADUALLY SUBSIDE OVER THE NEXT DAY OR SO.**

**IKE IS EXPECTED TO PRODUCE RAINFALL AMOUNTS OF 5 TO 10 INCHES OVER EASTERN TEXAS AND EXTREME SOUTHWESTERN LOUISIANA WITH ISOLATED AMOUNTS OF 15 INCHES POSSIBLE.**

**ISOLATED TORNADOES ARE POSSIBLE TODAY OVER PORTIONS OF SOUTHERN LOUISIANA AND EXTREME SOUTHERN MISSISSIPPI. ISOLATED TORNADOES ARE POSSIBLE TONIGHT OVER PORTIONS OF SOUTHWESTERN LOUISIANA AND SOUTHEASTERN TEXAS.**

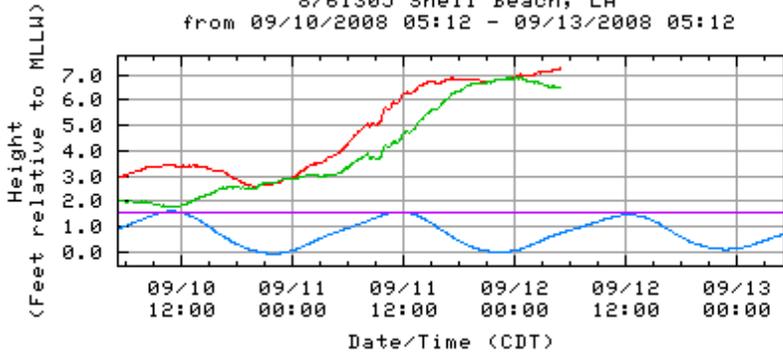
**FORECASTER BEVEN**

**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: [Shell Beach - Water Level](#), [Shell Beach - Air/Water Temp](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Air/Water Temp](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Port Fourchon - Water Level](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Barometric](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#), [Galveston Pleasure Pier - Water Level](#), [Galveston Pleasure Pier - Winds](#), [Galveston Pleasure Pier - Barometric](#), [USCG Freeport - Water Level](#), [USCG Freeport - Winds](#), [USCG Freeport - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Pensacola - Water Level](#), [Panama City - Water Level](#),

[Shell Beach, LA - Station Map](#) [Return to List](#)

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8761305 Shell Beach, LA  
 from 09/10/2008 05:12 - 09/13/2008 05:12



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

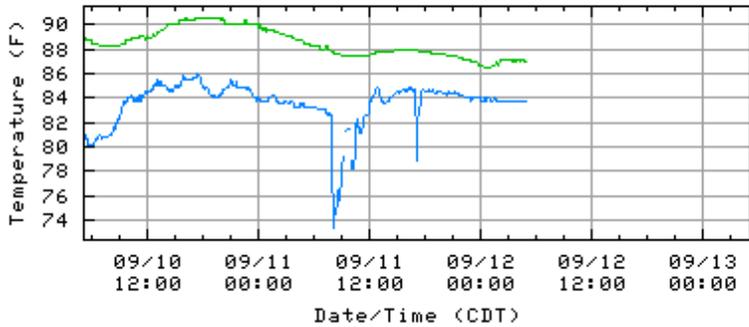
Last Observed Sample: 09/12/2008 04:48 (CDT)

Relative to **MLLW**: Observed: 7.24 ft. Predicted: 0.72 ft. Residual: 6.52 ft.

Historical Maximum Water Level: 01/20/1983, 5.69 ft. above **MHHW**

[Shell Beach, LA - Station Map](#) [Return to List](#)

NOAA/NOS/CO-OPS  
 Air/Water Temperature Plot  
 8761305 Shell Beach, LA  
 from 09/10/2008 05:12 - 09/13/2008 05:12



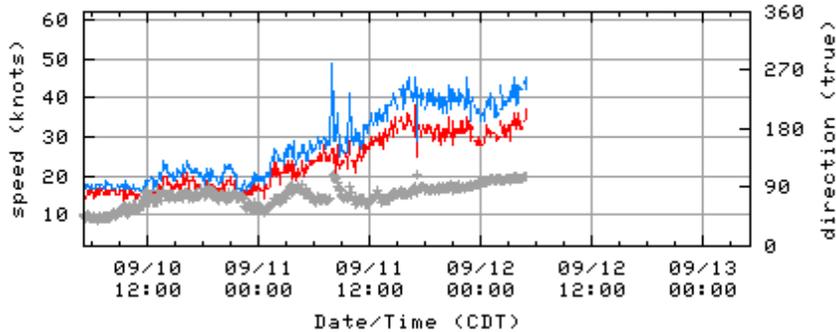
water temp. — air temp —

Last Observed Sample: 09/12/2008 04:48 (CDT)

Water Temperature: 86.9° F Air Temperature: 83.7° F

[Shell Beach, LA - Station Map](#) [Return to List](#)

NOAA/NOS/CO-OPS  
 Wind Speed/Gusts/Dir  
 8761305 Shell Beach, LA  
 from 09/10/2008 05:12 - 09/13/2008 05:12



speed — gusts — direction +

Last Observed Sample: 09/12/2008 04:48 (CDT)

Wind Speed: 34 knots Gusts: 44 knots Direction: 107° T

[Shell Beach, LA - Station Map](#) [Return to List](#)

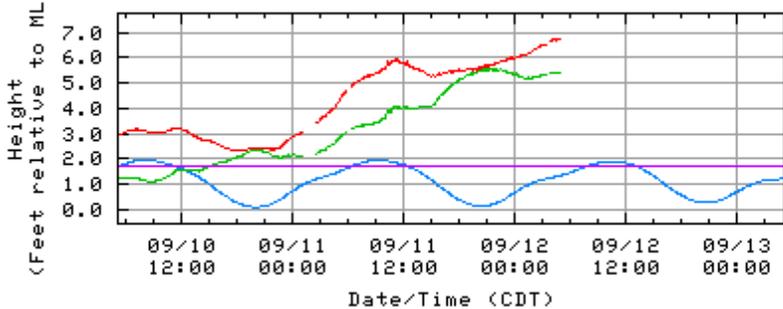
NOAA/NOS/CO-OPS  
 Barometric Pressure Plot  
 8761305 Shell Beach, LA  
 from 09/10/2008 05:12 - 09/13/2008 05:12



barometric pressure —  
**Last Observed Sample: 09/12/2008 04:48 (CDT)**  
**Barometric Pressure: 1005.5 mb**

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

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8747437 Bay Waveland Yacht Club, MS  
 from 09/10/2008 05:06 - 09/13/2008 05:06

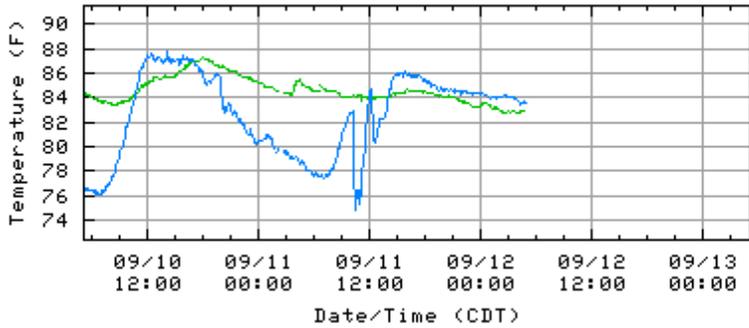


Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —  
**Last Observed Sample: 09/12/2008 04:48 (CDT)**

Relative to **MLLW**: **Observed: 6.73 ft.** **Predicted: 1.33 ft.** **Residual: 5.40 ft.**  
 Historical Maximum Water Level: 10/28/1985, 5.05 ft. above **MHHW**

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

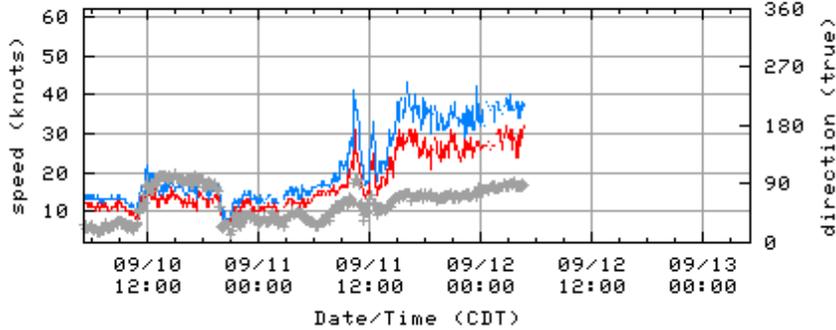
NOAA/NOS/CO-OPS  
 Air/Water Temperature Plot  
 8747437 Bay Waveland Yacht Club, MS  
 from 09/10/2008 05:06 - 09/13/2008 05:06



water temp. — air temp —  
**Last Observed Sample: 09/12/2008 04:48 (CDT)**  
**Water Temperature: n/a Air Temperature: 83.6° F**

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

NOAA/NOS/CO-OPS  
 Wind Speed/Gusts/Dir  
 8747437 Bay Waveland Yacht Club, MS  
 from 09/10/2008 05:06 - 09/13/2008 05:06



speed — gusts — direction +  
**Last Observed Sample: 09/12/2008 04:36 (CDT)**  
**Wind Speed: 32 knots Gusts: 37 knots Direction: 087° T**

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

NOAA/NOS/CO-OPS  
 Barometric Pressure Plot  
 8747437 Bay Waveland Yacht Club, MS  
 from 09/10/2008 05:06 - 09/13/2008 05:06

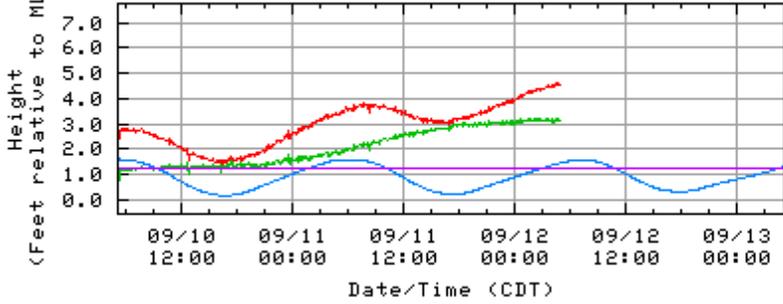


barometric pressure —  
**Last Observed Sample: 09/12/2008 04:36 (CDT)**  
**Barometric Pressure: 1008.8 mb**

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

NOAA/NOS/CO-OPS

Preliminary 6 min. Water Level vs. Predicted Plot  
 8760922 Pilots Station East, SW Pass, LA  
 from 09/10/2008 05:12 - 09/13/2008 05:12



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

Last Observed Sample: 09/12/2008 04:54 (CDT)

Relative to **MLLW**: Observed: 4.56 ft. Predicted: 1.45 ft. Residual: 3.11 ft.

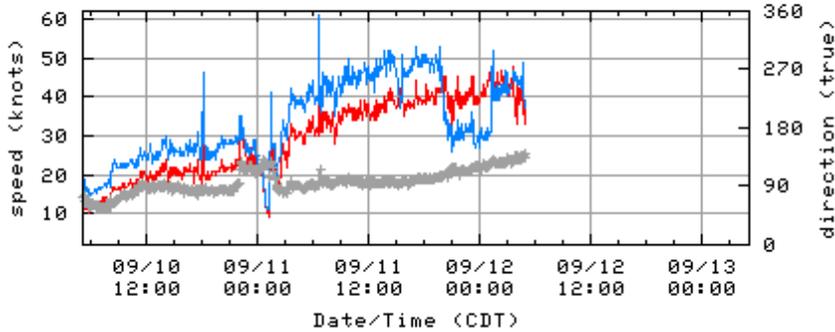
Historical Maximum Water Level: n/a

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

NOAA/NOS/CO-OPS

Wind Speed/Gusts/Dir

8760922 Pilots Station East, SW Pass, LA  
 from 09/10/2008 05:12 - 09/13/2008 05:12



speed ——— gusts ——— direction +  
 Last Observed Sample: 09/12/2008 04:54 (CDT)

Wind Speed: 33 knots Gusts: 37 knots Direction: 140° T

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

NOAA/NOS/CO-OPS

Barometric Pressure Plot

8760922 Pilots Station East, SW Pass, LA  
 from 09/10/2008 05:12 - 09/13/2008 05:12



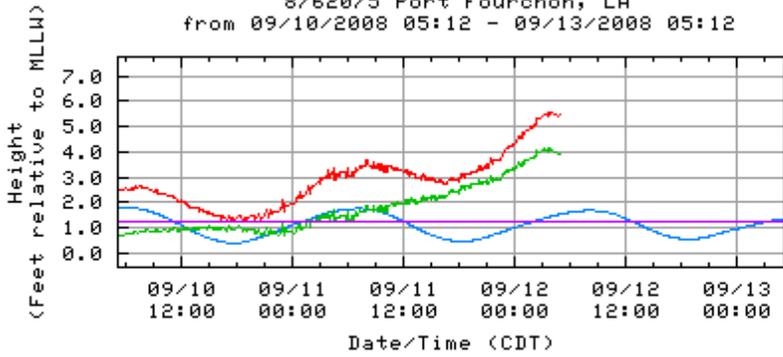
barometric pressure ———

Last Observed Sample: 09/12/2008 04:54 (CDT)

Barometric Pressure: 1005.0 mb

**Port Fourchon, LA - Station Map** [Return to List](#)

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8762075 Port Fourchon, LA  
 from 09/10/2008 05:12 - 09/13/2008 05:12



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

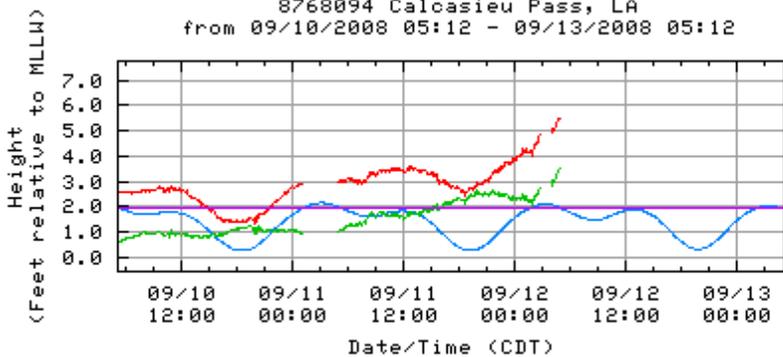
Last Observed Sample: 09/12/2008 04:54 (CDT)

Relative to **MLLW**: Observed: 5.46 ft. Predicted: 1.53 ft. Residual: 3.93 ft.

Historical Maximum Water Level: 09/24/2005, 3.8 ft. above **MHHW**

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

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8768094 Calcasieu Pass, LA  
 from 09/10/2008 05:12 - 09/13/2008 05:12



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

Last Observed Sample: 09/12/2008 04:48 (CDT)

Relative to **MLLW**: Observed: 5.46 ft. Predicted: 1.99 ft. Residual: 3.47 ft.

Historical Maximum Water Level: n/a

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

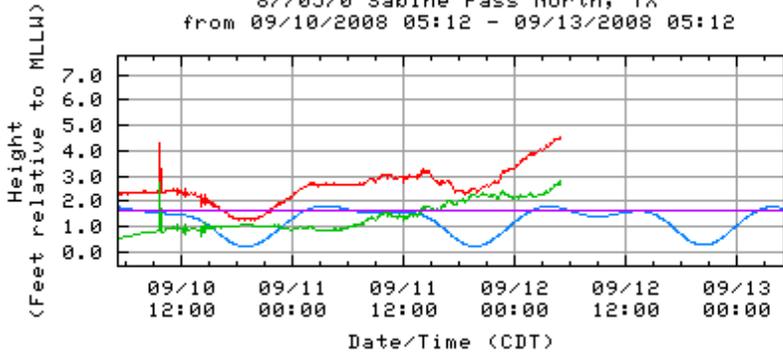


Last Observed Sample: 09/12/2008 04:48 (CDT)

Barometric Pressure: 1003.1 mb

**Sabine Pass North, TX - Station Map** [Return to List](#)

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8770570 Sabine Pass North, TX  
 from 09/10/2008 05:12 - 09/13/2008 05:12



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

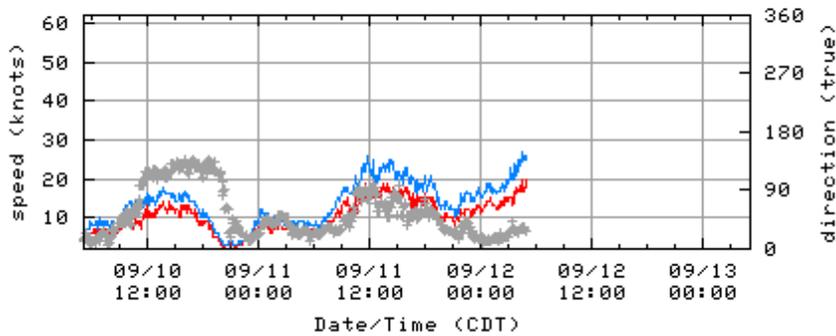
Last Observed Sample: 09/12/2008 04:48 (CDT)

Relative to **MLLW**: Observed: 4.43 ft. Predicted: 1.76 ft. Residual: 2.67 ft.

Historical Maximum Water Level: 09/11/1998, 3.32 ft. above **MHHW**

[Sabine Pass North, TX - Station Map](#) [Return to List](#)

NOAA/NOS/CO-OPS  
 Wind Speed/Gusts/Dir  
 8770570 Sabine Pass North, TX  
 from 09/10/2008 05:12 - 09/13/2008 05:12

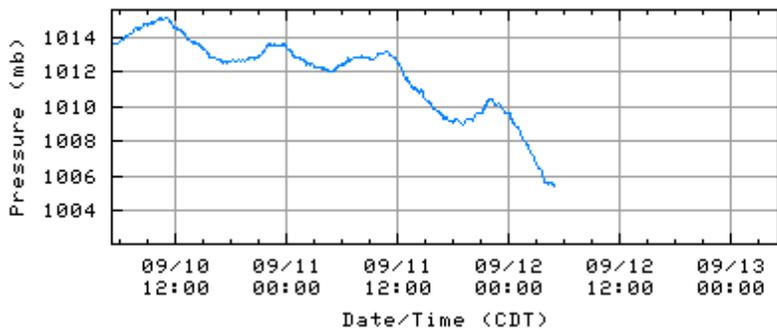


speed ——— gusts ——— direction +  
 Last Observed Sample: 09/12/2008 04:48 (CDT)

Wind Speed: 17 knots Gusts: 25 knots Direction: 030° T

[Sabine Pass North, TX - Station Map](#) [Return to List](#)

NOAA/NOS/CO-OPS  
 Barometric Pressure Plot  
 8770570 Sabine Pass North, TX  
 from 09/10/2008 05:12 - 09/13/2008 05:12



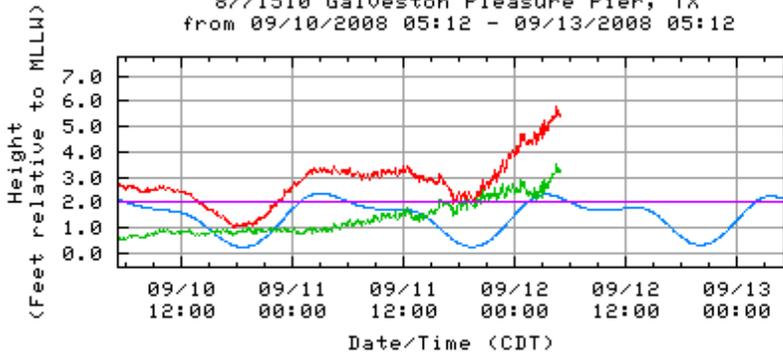
barometric pressure ———

Last Observed Sample: 09/12/2008 04:48 (CDT)

Barometric Pressure: 1005.6 mb

[Galveston Pleasure Pier, TX - Station Map](#) [Return to List](#)

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8771510 Galveston Pleasure Pier, TX  
 from 09/10/2008 05:12 - 09/13/2008 05:12



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

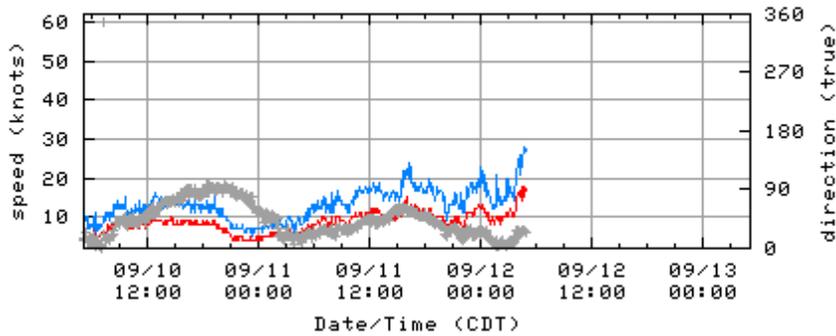
Last Observed Sample: 09/12/2008 04:54 (CDT)

Relative to **MLLW**: Observed: 5.38 ft. Predicted: 2.20 ft. Residual: 3.18 ft.

Historical Maximum Water Level: 09/11/1961, 7.16 ft. above **MHHW**

[Galveston Pleasure Pier, TX - Station Map](#) [Return to List](#)

NOAA/NOS/CO-OPS  
 Wind Speed/Gusts/Dir  
 8771510 Galveston Pleasure Pier, TX  
 from 09/10/2008 05:12 - 09/13/2008 05:12



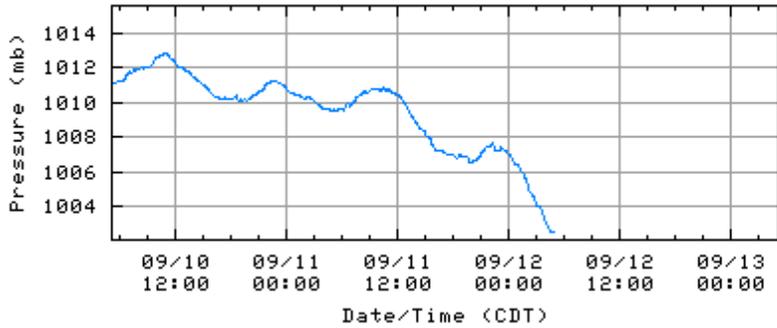
speed — gusts — direction +

Last Observed Sample: 09/12/2008 04:54 (CDT)

Wind Speed: 17 knots Gusts: 27 knots Direction: 024° T

[Galveston Pleasure Pier, TX - Station Map](#) [Return to List](#)

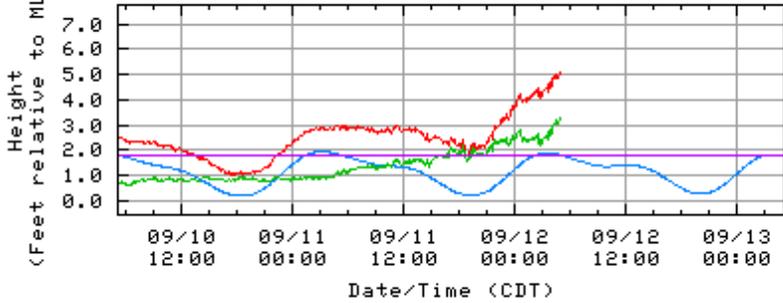
NOAA/NOS/CO-OPS  
 Barometric Pressure Plot  
 8771510 Galveston Pleasure Pier, TX  
 from 09/10/2008 05:12 - 09/13/2008 05:12



barometric pressure —  
**Last Observed Sample: 09/12/2008 04:54 (CDT)**  
**Barometric Pressure: 1002.6 mb**

[USCG Freeport, TX - Station Map](#) [Return to List](#)

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8772447 USCG Freeport, TX  
 from 09/10/2008 05:12 - 09/13/2008 05:12



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

**Last Observed Sample: 09/12/2008 04:48 (CDT)**  
**Relative to MLLW: Observed: 4.88 ft. Predicted: 1.83 ft. Residual: 3.05 ft.**  
**Historical Maximum Water Level: n/a**

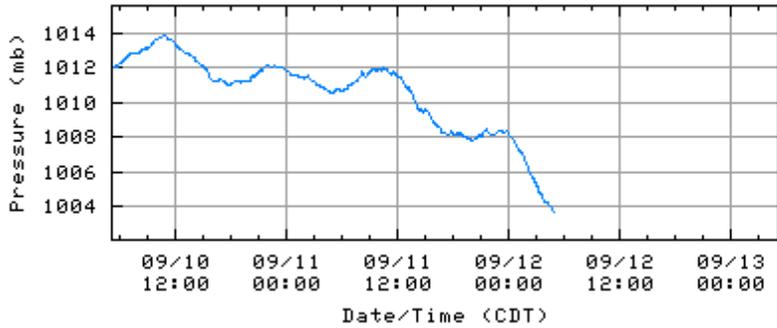
[USCG Freeport, TX - Station Map](#) [Return to List](#)



**Last Observed Sample: 09/12/2008 04:48 (CDT)**  
**Wind Speed: 21 knots Gusts: 24 knots Direction: 036° T**

[USCG Freeport, TX - Station Map](#) [Return to List](#)

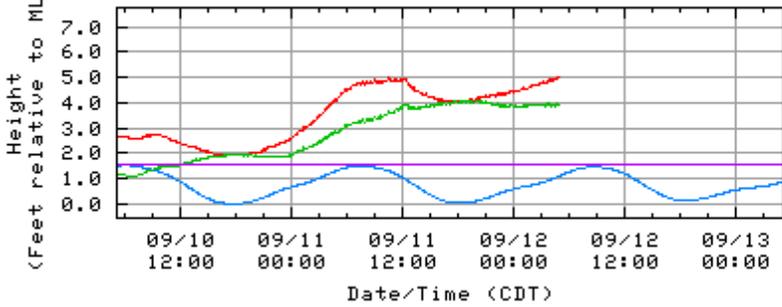
NOAA/NOS/CO-OPS  
 Barometric Pressure Plot  
 8772447 USCG Freeport, TX  
 from 09/10/2008 05:12 - 09/13/2008 05:12



barometric pressure —  
**Last Observed Sample: 09/12/2008 04:48 (CDT)**  
**Barometric Pressure: 1003.8 mb**

[Pascagoula NOAA Lab, MS - Station Map](#) [Return to List](#)

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8741533 Pascagoula NOAA Lab, MS  
 from 09/10/2008 05:12 - 09/13/2008 05:12

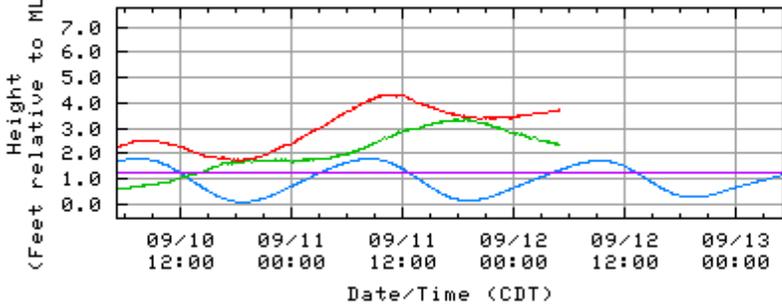


Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —

**Last Observed Sample: 09/12/2008 04:54 (CDT)**  
**Relative to MLLW: Observed: 5.01 ft. Predicted: 1.09 ft. Residual: 3.92 ft.**  
**Historical Maximum Water Level: n/a**

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

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8729840 Pensacola, FL  
 from 09/10/2008 05:12 - 09/13/2008 05:12

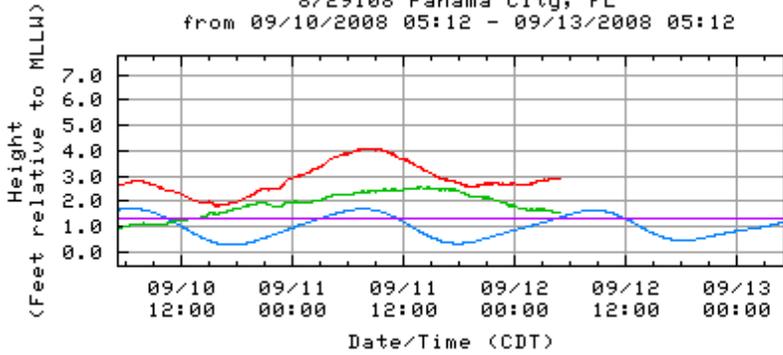


Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —

**Last Observed Sample: 09/12/2008 04:48 (CDT)**  
**Relative to MLLW: Observed: 3.70 ft. Predicted: 1.31 ft. Residual: 2.39 ft.**  
**Historical Maximum Water Level: 09/18/1926, 7.41 ft. above MHHW**

**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 09/10/2008 05:12 - 09/13/2008 05:12



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

**Last Observed Sample: 09/12/2008 04:48 (CDT)**

**Relative to MLLW: Observed: 2.90 ft. Predicted: 1.35 ft. Residual: 1.55 ft.**

**Historical Maximum Water Level: 10/04/1995, 5.72 ft. above MHHW**

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