NOAA and NOAA Partnership Stations Relative to the Storm

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.
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

Wind Speed: 7 knots  Gusts: 11 knots  Direction: 158° T
Virginia Key, FL - Station Map

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

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
Hurricane GUSTAV QuickLook, POSTED 17:00 CDT 08/31/2008

**Naples, FL - Station Map**

NOAA/NOS/C0-OPS
Wind Speed/Gusts/Dir
9725110 Naples, FL
from 08/29/2008 18:12 - 09/01/2008 13:12

Last Observed Sample: 08/31/2008 18:00 (EDT)
Wind Speed: 9 knots Gusts: 12 knots Direction: 125° T

**Naples, FL - Station Map**

NOAA/NOS/C0-OPS
Barometric Pressure Plot
9725110 Naples, FL
from 08/29/2008 18:12 - 09/01/2008 13:12

Last Observed Sample: 08/31/2008 18:00 (EDT)
Barometric Pressure: 1009.3 mb
Old Port Tampa, FL - Station Map

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

Wind Speed: 10 knots
Gusts: 16 knots
Direction: 103° T
Panama City, FL - Station Map

**Preliminary 6 min. Water Level vs. Predicted Plot**

- **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

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**Wind Speed/Gusts/Dir**

- **Last Observed Sample:** 08/31/2008 16:54 (CDT)
- **Wind Speed:** 6 knots
- **Gusts:** 12 knots
- **Direction:** 069° T
Hurricane GUSTAV QuickLook, POSTED 17:00 CDT 08/31/2008

**Dauphin Island, AL - Station Map**

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
9735130 Dauphin Island, AL
from 08/29/2008 17:12 - 09/01/2008 17:12

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**

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
9735130 Dauphin Island, AL
from 08/29/2008 17:12 - 09/01/2008 17:12

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

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

Barometric Pressure: 1008.0 mb
Bay Waveland Yacht Club, MS - Station Map

Return to List

NOAA/NOS/C0-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
from 08/29/2008 17:12 - 09/01/2008 17:12

Date/Time (CDT)

Feet relative to MLLW

Predicted WL  (Obs-Pred)  Observed WL  MHHW

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


Historical Maximum Water Level: 10/28/1985, 5.05 ft. above MHHW

Bay Waveland Yacht Club, MS - Station Map

Return to List

NOAA/NOS/C0-OPS
Wind Speed/Gusts/Dir
from 08/29/2008 17:12 - 09/01/2008 17:12

Date/Time (CDT)

Knots

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

NOAA/NOS/C0-DPS
Air/Water Temperature Plot
8747457 Bay Waveland Yacht Club, MS
from 08/29/2008 17:12 - 09/01/2008 17:12

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

NOAA/NOS/C0-DPS
Barometric Pressure Plot
8747457 Bay Waveland Yacht Club, MS
from 08/29/2008 17:12 - 09/01/2008 17:12

Last Observed Sample: 08/31/2008 17:00 (CDT)
Barometric Pressure: 1008.3 mb
Pilots Station East, SW Pass, LA - Station Map

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

Relative to MLLW: Observed: 1.66 ft. Predicted: 0.77 ft. Residual: 0.89 ft.

Historical Maximum Water Level: n/a

Grand Isle, LA - Station Map

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

Relative to MLLW: Observed: 1.13 ft. Predicted: 0.84 ft. Residual: 0.29 ft.

Historical Maximum Water Level: n/a
Hurricane GUSTAV QuickLook, POSTED 17:00 CDT 08/31/2008

**Grand Isle, LA - Station Map**

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

Last Observed Sample: 08/31/2008 17:00 (CDT)
Wind Speed: 17 knots Gusts: 23 knots Direction: 046° T

**Grand Isle, LA - Station Map**

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8761724 Grand Isle, La
from 08/29/2008 17:12 - 09/01/2008 17:12

Last Observed Sample: 08/31/2008 17:00 (CDT)
Water Temperature: 84.6° F Air Temperature: 84.2° F
Grand Isle, LA - Station Map

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8751764 Grand Isle, LA
from 08/29/2008 17:12 - 09/01/2008 17:12

Barometric Pressure: 1008.1 mb

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