Storm Analysis

As of 08/17/2009 0500 CDT, water levels from the Florida panhandle to southeastern Louisiana are elevated and range between 0.6 to 1.0 ft above predicted. Water levels along the Gulf coast of Florida from Cedar Key southward are near predicted values. Wind gusts up to 25 knots have been observed at Apalachicola and Panama City, FL.

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

Apalachicola, FL: Next predicted high tide is 2.0 ft (0.60 m) at 08/17/2009 12:18 EDT.
Panama City, FL: Next predicted high tide is 2.0 ft (0.61 m) at 08/17/2009 07:54 CDT.
Pensacola, FL: Next predicted high tide is 2.1 ft (0.63 m) at 08/17/2009 08:48 CDT.
Weeks Bay, AL: Next predicted high tide is 2.0 ft (0.61 m) at 08/17/2009 09:36 CDT.

Dauphin Island, AL: Next predicted high tide is 1.9 ft (0.57 m) at 08/17/2009 08:06 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tide is 1.8 ft (0.56 m) at 08/17/2009 10:12 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tide is 2.3 ft (0.70 m) at 08/17/2009 09:06 CDT.

Shell Beach, LA: Next predicted high tide is 1.8 ft (0.55 m) at 08/17/2009 11:33 CDT.

Cedar Key, FL: Next predicted high tide is 4.3 ft (1.31 m) at 08/17/2009 11:24 EDT.

St. Petersburg, FL: Next predicted high tide is 2.9 ft (0.88 m) at 08/17/2009 11:18 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: LEF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM CLAUDETTE ADVISORY NUMBER 6
400 AM CDT MON AUG 17 2009

...CLAUDETTE WEAKENS AS IT MOVES FARTHER INLAND...

AT 400 AM CDT THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED EAST OF INDIAN PASS FLORIDA AND WEST OF DESTIN FLORIDA. A TROPICAL STORM WARNING REMAINS IN EFFECT FROM DESTIN EASTWARD TO INDIAN PASS. THIS WARNING WILL LIKELY BE DISCONTINUED LATER THIS MORNING.

AT 400 AM CDT THE CENTER OF TROPICAL STORM CLAUDETTE WAS LOCATED ABOUT 15 MILES SOUTH-SOUTHEAST OF BREWTON ALABAMA AND ABOUT 40 MILES NORTHWEST OF FORT WALTON BEACH FLORIDA.

CLAUDETTE IS MOVING TOWARD THE NORTHWEST NEAR 12 MPH. A TURN TOWARD THE NORTH-NORTHWEST IS EXPECTED LATER TODAY. ON THIS TRACK. THE CENTER OF CLAUDETTE
WILL MOVE INTO SOUTHERN ALABAMA THIS MORNING AND THEN INTO NORTHEASTERN MISSISSIPPI TONIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 40 MPH WITH HIGHER GUSTS. WEAKENING IS EXPECTED AS THE SYSTEM MOVES OVER LAND AND CLAUDETTE IS EXPECTED TO WEAKEN TO A TROPICAL DEPRESSION LATER THIS MORNING.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 90 MILES MAINLY OVER WATER 0 THE SOUTHEAST OF THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 1006 MB.

RAINFALL ACCUMULATIONS OF 3 TO 6 INCHES WITH ISOLATED MAXIMUM AMOUNTS OF 10 INCHES ARE EXPECTED ACROSS THE FLORIDA PANHANDLE. THE BIG BEND REGION OF FLORIDA AND SOUTHERN TO CENTRAL ALABAMA.

STORM TIDES OF 3 TO 5 FEET ABOVE GROUND LEVEL ALONG PORTIONS OF THE FLORIDA PANHANDLE AND THE BIG BEND REGION OF FLORIDA ARE EXPECTED TO GRADUALLY SUBSIDE THIS MORNING.

FORECASTER BROWN

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.
Apalachicola, FL - Station Map

Relative to MLLW: Observed: 2.17 ft. Predicted: 1.63 ft. Residual: 0.54 ft.
Historical Maximum Water Level: 11/21/1985, 5.69 ft. above MHHW

Wind Speed: 14 knots Gusts: 19 knots Direction: 089° T
Tropical Storm CLAUDETTE QuickLook, POSTED 05:00 CDT 08/17/2009

**Apalachicola, FL - Station Map**

NOAA/NOS/C0-CPS
Barometric Pressure Plot
8720690 Apalachicola, FL
From 08/15/2009 06:00 - 08/18/2009 06:06

Barometric Pressure: 1017.8 mb

Last Observed Sample: 08/17/2009 05:48 (EDT)

**Panama City, FL - Station Map**

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
872908 Panama City, FL
From 08/15/2009 05:06 - 08/18/2009 05:06

Relative to MLLW:
- Observed: 2.70 ft.
- Predicted: 1.71 ft.
- Residual: 0.99 ft.

Historical Maximum Water Level: 10/04/1995, 5.72 ft. above MHHW
Panama City, FL - Station Map

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
872908 Panama City, FL
From 05/15/2009 05:06 - 06/18/2009 05:06

Last Observed Sample: 08/17/2009 04:48 (CDT)
Wind Speed: 17 knots Gusts: 24 knots Direction: 141° T

Barometric Pressure: 1017.5 mb
Panama City, FL - Station Map

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
8729108 Panama City, FL
From 08/15/2009 05:00 - 08/18/2009 05:00

Water Temperature: 85.1° F Air Temperature: 76.1° F

Last Observed Sample: 08/17/2009 04:48 (CDT)

Pensacola, FL - Station Map

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8729040 Pensacola, FL
From 08/15/2009 05:00 - 08/18/2009 05:00

Relative to MLLW: Observed: 2.14 ft. Predicted: 1.53 ft. Residual: 0.61 ft.

Historical Maximum Water Level: 09/18/1926, 7.41 ft. above MHHW
Tropical Storm CLAUDETTE QuickLook, POSTED 05:00 CDT 08/17/2009

**Pensacola, FL - Station Map**  
NOAA/NOS/C0-CPS  
Wind Speed/Gusts/Dir  
8729840 Pensacola, FL  
From 08/15/2009 05:06 - 08/18/2009 05:06

Last Observed Sample: 08/17/2009 04:48 (CDT)  
**Wind Speed:** 3 knots  
**Gusts:** 5 knots  
**Direction:** 310° T

**Pensacola, FL - Station Map**  
NOAA/NOS/C0-CPS  
Barometric Pressure Plot  
8729840 Pensacola, FL  
From 08/15/2009 05:06 - 08/10/2009 05:06

Last Observed Sample: 08/17/2009 04:42 (CDT)  
**Barometric Pressure:** 1016.3 mb
**Pensacola, FL - Station Map**

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
8729040 Pensacola, FL
from 08/15/2009 05:06 - 08/18/2009 05:06

Last Observed Sample: 08/17/2009 04:48 (CDT)
Water Temperature: n/a Air Temperature: 75.6° F

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**Weeks Bay, AL - Station Map**

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8732023 Weeks Bay, AL
from 08/15/2009 05:06 - 08/18/2009 05:06

Relative to MLLW: Observed: 2.21 ft. Predicted: 1.39 ft. Residual: 0.82 ft.
Historical Maximum Water Level: n/a
**Dauphin Island, AL - Station Map**

Preliminary 6 min. Water Level vs. Predicted Plot
8735280 Dauphin Island, AL
from 08/15/2009 05:05 - 08/18/2009 05:06

Last Observed Sample: 08/17/2009 04:54 (CDT)
Relative to MLLW: Observed: 2.19 ft. Predicted: 1.50 ft. Residual: 0.69 ft.
Historical Maximum Water Level: 09/02/1985, 3.36 ft. above MHHW

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**Dauphin Island, AL - Station Map**

Wind Speed/Gusts/Dir
8735280 Dauphin Island, AL
from 08/15/2009 05:05 - 08/18/2009 05:06

Last Observed Sample: 08/17/2009 04:54 (CDT)

Wind Speed: 1 knots Gusts: 3 knots Direction: 333° T
Tropical Storm CLAUDETTE QuickLook, POSTED 05:00 CDT 08/17/2009

Dauphin Island, AL - Station Map  Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
8735180 Dauphin Island, AL
FROM 08/15/2009 05:05 - 08/18/2009 05:06

Last Observed Sample: 08/17/2009 04:54 (CDT)
Barometric Pressure: 1015.3 mb

Dauphin Island, AL - Station Map  Return to List

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
8735180 Dauphin Island, AL
FROM 08/15/2009 05:05 - 08/18/2009 05:06

Last Observed Sample: 08/17/2009 04:54 (CDT)
Water Temperature: 84.6° F Air Temperature: 79.2° F
Coast Guard Sector Mobile, AL - Station Map

**Last Observed Sample:** 08/17/2009 04:54 (CDT)

Relative to **MLLW**: Observed: 2.34 ft. Predicted: 1.25 ft. Residual: 1.09 ft.

**Historical Maximum Water Level:** n/a

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Coast Guard Sector Mobile, AL - Station Map

**Last Observed Sample:** 08/17/2009 04:54 (CDT)

**Wind Speed:** 3 knots  
**Gusts:** 4 knots  
**Direction:** 322° T
Coast Guard Sector Mobile, AL - Station Map

NOAA/NOS/C0-CPS
Barometric Pressure Plot
3736897 Coast Guard Sector Mobile, AL
From 08/15/2009 05:05 - 08/18/2009 05:06

Last Observed Sample: 08/17/2009 04:54 (CDT)
Barometric Pressure: 1015.4 mb

Coast Guard Sector Mobile, AL - Station Map

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
3736897 Coast Guard Sector Mobile, AL
From 08/15/2009 05:05 - 08/18/2009 05:06

Last Observed Sample: 08/17/2009 04:54 (CDT)
Water Temperature: 86.9° F Air Temperature: 75.2° F
Bay Waveland Yacht Club, MS - Station Map  

**NOAA/NOS/C0-CPS**

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

8747437 Bay Waveland Yacht Club, MS  
from 08/15/2009 05:06 - 08/18/2009 05:06

**Last Observed Sample:** 08/17/2009 04:48 (CDT)

Relative to **MLLW**:  
- Observed: 2.48 ft.  
- Predicted: 1.56 ft.  
- Residual: 0.92 ft.

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

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Bay Waveland Yacht Club, MS - Station Map  

**NOAA/NOS/C0-CPS**

**Wind Speed/Gusts/Dir**

8747437 Bay Waveland Yacht Club, MS  
from 08/15/2009 05:06 - 08/18/2009 05:06

**Last Observed Sample:** 08/17/2009 04:48 (CDT)

**Wind Speed:** 7 knots  
**Gusts:** 8 knots  
**Direction:** 013° T
Tropical Storm CLAUDETTE QuickLook, POSTED 05:00 CDT 08/17/2009

Shell Beach, LA - Station Map

Last Observed Sample: 08/17/2009 04:48 (CDT)

Relative to MLLW: Observed: 1.89 ft. Predicted: 0.92 ft. Residual: 0.97 ft.

Historical Maximum Water Level: n/a

Wind Speed: 2 knots Gusts: 3 knots Direction: 257° T
Tropical Storm CLAUDETTE QuickLook, POSTED 05:00 CDT 08/17/2009

Cedar Key, FL - Station Map

Last Observed Sample: 08/17/2009 05:54 (EDT)
Relative to MLLW: Observed: 2.40 ft. Predicted: 2.21 ft. Residual: 0.19 ft.
Historical Maximum Water Level: 10/07/1996, 5.15 ft. above MHHW

St. Petersburg, FL - Station Map

Last Observed Sample: 08/17/2009 05:54 (EDT)
Relative to MLLW: Observed: 1.91 ft. Predicted: 1.76 ft. Residual: 0.15 ft.
Historical Maximum Water Level: 08/31/1985, 4 ft. above MHHW
Tropical Storm CLAUDETTE QuickLook, POSTED 05:00 CDT 08/17/2009