As of 07/24/2010 05:00 CDT, water levels are slightly elevated from Grand Isle, LA to Dauphin Island, AL and range between 0.4 and 0.7 feet above predictions. Water levels along the Florida panhandle are at or near predicted. Water levels at St. Petersburg, FL and Naples, FL remain slightly elevated.

Wind speeds are generally ranging from 5 to 15 kts. Barometric pressure is falling slightly across the northern Gulf of Mexico.

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

Pensacola, FL: Next predicted high tides are 1.76 ft (0.54 m) at 07/24/2010 10:19 CDT and 1.70 ft (0.52 m) at 07/25/2010 10:58 CDT.
Dauphin Island, AL: Next predicted high tides are 1.56 ft (0.48 m) at 07/24/2010 09:47 CDT and 1.49 ft (0.45 m) at 07/25/2010 10:28 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.87 ft (0.57 m) at 07/24/2010 09:22 CDT and 1.78 ft (0.54 m) at 07/25/2010 10:00 CDT.

Bay Waveland, MS: Next predicted high tides are 2.06 ft (0.63 m) at 07/24/2010 11:07 CDT and 2.04 ft (0.62 m) at 07/25/2010 11:58 CDT.

Shell Beach, LA: Next predicted high tides are 1.59 ft (0.48 m) at 07/24/2010 13:06 CDT and 1.52 ft (0.46 m) at 07/25/2010 14:00 CDT.

Pilots Station East, LA: Next predicted high tides are 1.55 ft (0.47 m) at 07/24/2010 08:26 CDT and 1.49 ft (0.45 m) at 07/25/2010 09:01 CDT.

Grand Isle, LA: Next predicted high tides are 1.36 ft (0.41 m) at 07/24/2010 09:19 CDT and 1.30 ft (0.40 m) at 07/25/2010 09:59 CDT.

Panama City, FL: Next predicted high tides are 1.77 ft (0.54 m) at 07/24/2010 09:31 CDT and 1.72 ft (0.52 m) at 07/25/2010 10:14 CDT.

Apalachicola, FL: Next predicted high tides are 1.77 ft (0.54 m) at 07/24/2010 13:13 EDT and 1.47 ft (0.45 m) at 07/25/2010 05:15 EDT.

St. Petersburg, FL: Next predicted high tides are 2.66 ft (0.81 m) at 07/24/2010 13:06 EDT and 1.52 ft (0.46 m) at 07/25/2010 04:17 EDT.

Naples, FL: Next predicted high tides are 3.23 ft (0.98 m) at 07/24/2010 11:36 EDT and 2.25 ft (0.68 m) at 07/25/2010 01:21 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: PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION BONNIE ADVISORY NUMBER  8

400 AM CDT SAT JUL 24 2010

...BONNIE CONTINUES WEST-NORTHWESTWARD...STILL A TROPICAL DEPRESSION...
WATCHES AND WARNINGS
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A TROPICAL STORM WARNING IS IN EFFECT FOR...
* DESTIN FLORIDA TO MORGAN CITY LOUISIANA...INCLUDING LAKE PONTCHARTRAIN

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED
STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR
PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK
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AT 400 AM CDT THE CENTER OF TROPICAL DEPRESSION BONNIE WAS LOCATED ABOUT
285 MI ESE OF THE MOUTH OF THE MISSISSIPPI RIVER AND ABOUT 185 MI OF
APALACHICOLA FLORIDA THE DEPRESSION IS MOVING TOWARD THE
WEST-NORTHWEST NEAR 17 MPH. A GRADUAL DECREASE IN FORWARD SPEED IS
EXPECTED TODAY WITH LITTLE CHANGE IN THE DIRECTION OF MOTION. ON THIS
TRACK...THE CENTER OF BONNIE IS FORECAST TO MOVE OVER THE EASTERN GULF OF
MEXICO TODAY AND APPROACH THE NORTHERN GULF COAST TONIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 35 MPH WITH HIGHER GUSTS. SLIGHT
STRENGTHENING IS POSSIBLE TODAY...AND BONNIE COULD REGAIN TROPICAL STORM
STRENGTH BEFORE REACHING THE NORTHERN GULF COAST.

THE LATEST MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE HURRICANE
HUNTER AIRCRAFT IS 1013 MB...29.91 INCHES.

HAZARDS AFFECTING LAND
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WIND...TROPICAL STORM FORCE WINDS MAINLY IN SQUALLS WILL LIKELY BEGIN ALONG
PORTIONS OF THE NORTHERN GULF COAST WITHIN THE WARNING AREA LATE TODAY.

RAINFALL...BONNIE IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 1
TO 2 INCHES OVER PORTIONS OF SOUTHERN LOUISIANA...SOUTHERN
ALABAMA...SOUTHERN MISSISSIPPI...AND THE FAR WESTERN FLORIDA
PANHANDLE...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 3 INCHES.

STORM SURGE...STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 1 TO 3
FEET ABOVE GROUND LEVEL ALONG THE IMMEDIATE COAST NEAR AND TO THE RIGHT
OF WHERE THE CENTER MAKES LANDFALL ON THE NORTHERN GULF COAST.

FORECASTER BROWN/CANGIALOSI

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.
Pensacola, FL

Last Observed Sample: 07/24/2010 05:06 (CDT)

Relative to MLLW: Observed: 1.23 ft. Predicted: 1.01 ft. Residual: 0.22 ft.

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

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Pensacola, FL

Last Observed Sample: 07/24/2010 05:06 (CDT)

Wind Speed: 3 knots Gusts: 5 knots Direction: 359° T
Dauphin Island, AL

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8735280 Dauphin Island, AL
from 07/22/2010 05:18 - 07/25/2010 05:18

Last Observed Sample: 07/24/2010 05:00 (CDT)
Relative to MLLW: Observed: 1.36 ft. Predicted: 0.88 ft. Residual: 0.48 ft.
Historical Maximum Water Level: Sep 2 1985, 3.36 ft. above MHHW

Dauphin Island, AL

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
8735280 Dauphin Island, AL
from 07/22/2010 05:18 - 07/25/2010 05:18

Last Observed Sample: 07/24/2010 05:00 (CDT)
Wind Speed: 3 knots Gusts: 4 knots Direction: 057° T
Pascagoula NOAA Lab, MS

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8741333 Pascagoula NOAA Lab, MS
from 07/22/2010 05:18 - 07/25/2010 05:18

Last Observed Sample: 07/24/2010 05:06 (CDT)
Relative to MLLW: Observed: 1.64 ft. Predicted: 1.06 ft. Residual: 0.58 ft.
Historical Maximum Water Level: 0 ft. above MHHW

Bay Waveland Yacht Club, MS

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8747437 Bay Waveland Yacht Club, MS
from 07/22/2010 05:18 - 07/25/2010 05:18

Last Observed Sample: 07/24/2010 05:06 (CDT)
Relative to MLLW: Observed: 1.63 ft. Predicted: 1.00 ft. Residual: 0.63 ft.
Historical Maximum Water Level: Oct 28 1985, 5.05 ft. above MHHW
Bay Waveland Yacht Club, MS

Wind Speed/Gusts/Dir
8747437 Bay Waveland Yacht Club, MS
From 07/22/2010 05:18 - 07/25/2010 05:18

Last Observed Sample: 07/24/2010 05:06 (CDT)
Wind Speed: 6 knots Gusts: 8 knots Direction: 320° T

Bay Waveland Yacht Club, MS

Barometric Pressure Plot
8747437 Bay Waveland Yacht Club, MS
From 07/22/2010 05:18 - 07/25/2010 05:18

Last Observed Sample: 07/24/2010 05:06 (CDT)
Barometric Pressure: 1016.1 mb
Shell Beach, LA - Return to List

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8761305 Shell Beach, LA
from 07/22/2010 05:18 - 07/25/2010 05:18

Last Observed Sample: 07/24/2010 05:00 (CDT)
Relative to MLLW: Observed: 1.18 ft. Predicted: 0.62 ft. Residual: 0.56 ft.
Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above MHHW

Shell Beach, LA - Return to List

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8761305 Shell Beach, LA
from 07/22/2010 05:18 - 07/25/2010 05:18

Last Observed Sample: 07/24/2010 05:00 (CDT)
Wind Speed: 6 knots Gusts: 7 knots Direction: 354° T
Tropical Depression BONNIE QuickLook, POSTED 05:00 CDT 07/24/2010

**Shell Beach, LA** - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
S761305 Shell Beach, LA
From 07/22/2010 05:18 - 07/25/2010 05:18

![Pressure Plot](image)

- Barometric pressure
- Last Observed Sample: 07/24/2010 05:00 (CDT)
- Barometric Pressure: 1015.5 mb

**Shell Beach, LA** - Return to List

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
S761305 Shell Beach, LA
From 07/22/2010 05:18 - 07/25/2010 05:18

![Temperature Plot](image)

- Water temp.
- Air temp.
- Last Observed Sample: 07/24/2010 05:00 (CDT)
- Water Temperature: 88.5° F
- Air Temperature: 86.4° F
Pilots Station East, SW Pass, LA - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8760922 Pilots Station East, SW Pass, LA
From 07/22/2010 05:12 - 07/25/2010 05:12

Last Observed Sample: 07/24/2010 05:00 (CDT)
Relative to MLLW: Observed: 2.00 ft. Predicted: 1.28 ft. Residual: 0.72 ft.
Historical Maximum Water Level: Aug 29 2005, 6.24 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
8760922 Pilots Station East, SW Pass, LA
From 07/22/2010 05:12 - 07/25/2010 05:12

Last Observed Sample: 07/24/2010 05:00 (CDT)
Wind Speed: 7 knots Gusts: 9 knots Direction: 052° T
Tropical Depression BONNIE QuickLook, POSTED 05:00 CDT 07/24/2010

Pilots Station East, SW Pass, LA - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
8760922 Pilots Station East, SW Pass, LA
From 07/22/2010 05:12 - 07/25/2010 05:12

Last Observed Sample: 07/24/2010 05:00 (CDT)
Barometric Pressure: 1016.0 mb

Pilots Station East, SW Pass, LA - Return to List

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
8760922 Pilots Station East, SW Pass, LA
From 07/22/2010 05:12 - 07/25/2010 05:12

Last Observed Sample: 07/24/2010 05:00 (CDT)
Water Temperature: 87.1° F Air Temperature: 86.5° F
Grand Isle, LA - Return to List

Last Observed Sample: 07/24/2010 05:00 (CDT)

Relative to MLLW: Observed: 1.43 ft. Predicted: 0.98 ft. Residual: 0.45 ft.

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

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Grand Isle, LA - Return to List

Last Observed Sample: 07/24/2010 05:00 (CDT)

Wind Speed: 5 knots Gusts: 6 knots Direction: 357° T
Grand Isle, LA - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
8761724 Grand Isle, LA
FROM 07/22/2010 05:12 - 07/25/2010 05:12

Last Observed Sample: 07/24/2010 05:00 (CDT)
Barometric Pressure: 1016.2 mb

Grand Isle, LA - Return to List

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
8761724 Grand Isle, LA
FROM 07/22/2010 05:12 - 07/25/2010 05:12

Last Observed Sample: 07/24/2010 05:00 (CDT)
Water Temperature: 89.6° F Air Temperature: 86.2° F
Panama City, FL

Preliminary 6 min. Water Level vs. Predicted Plot
8729108 Panama City, FL
from 07/22/2010 05:18 - 07/25/2010 05:18

Last Observed Sample: 07/24/2010 05:00 (CDT)
Relative to MLLW: Observed: 1.43 ft. Predicted: 1.24 ft. Residual: 0.19 ft.
Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above MHHW

Panama City, FL

Wind Speed/Gusts/Dir
8729108 Panama City, FL
from 07/22/2010 05:18 - 07/25/2010 05:18

Last Observed Sample: 07/24/2010 05:00 (CDT)
Wind Speed: 5 knots Gusts: 8 knots Direction: 070° T
Apalachicola, FL - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8728690 Apalachicola, FL
from 07/22/2010 05:12 - 07/25/2010 05:12

Last Observed Sample: 07/24/2010 05:00 (CDT)
Relative to MLLW: Observed: 1.68 ft. Predicted: 1.48 ft. Residual: 0.20 ft.
Historical Maximum Water Level: Nov 21 1985, 5.69 ft. above MHHW

Apalachicola, FL - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
8728690 Apalachicola, FL
from 07/22/2010 05:12 - 07/25/2010 05:12

Last Observed Sample: 07/24/2010 05:00 (CDT)
Wind Speed: 9 knots Gusts: 12 knots Direction: 100° T
St. Petersburg, FL

Last Observed Sample: 07/24/2010 06:06 (EDT)
Relative to MLLW: Observed: 1.64 ft. Predicted: 1.47 ft. Residual: 0.17 ft.
Historical Maximum Water Level: Aug 31 1985, 4 ft. above MHHW

Naples, FL

Last Observed Sample: 07/24/2010 06:00 (EDT)
Relative to MLLW: Observed: 2.18 ft. Predicted: 1.55 ft. Residual: 0.63 ft.
Historical Maximum Water Level: Dec 21 1972, 3.11 ft. above MHHW