As of 19:00 EDT water levels are slightly elevated (0.6-1.4 feet) along western Florida coast. Water levels are currently at or near predicted tidal levels at stations throughout southern Georgia and South Carolina. Barometric pressure is decreasing overall.

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

Virginia Key, FL: Next predicted high tide is 2.261 ft (0.69 m) at 09/05/2008 01:03 EDT.

Trident Pier, FL: Next predicted high tide is 3.312 ft (1.01 m) at 09/04/2008 23:48 EDT.

Ponce De Leon Inlet South, FL: Next predicted high tide is 3.312 ft (1.01 m) at 09/05/2008
00:33 EDT.

Fernandina Beach, FL: Next predicted high tide is 5.751 ft (1.75 m) at 09/05/2008 01:00 EDT.

Fort Pulaski, GA: Next predicted high tide is 6.631 ft (2.02 m) at 09/05/2008 00:12 EDT.

Springmaid Pier, SC: Next predicted high tide is 4.711 ft (1.44 m) at 09/04/2008 23:36 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: KG/ND

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM HANNA ADVISORY NUMBER 32

500 PM EDT THU SEP 04 2008

NEW WATCHES AND WARNINGS FOR HANNA

AT 5 PM EDT 2100 UTC A TROPICAL STORM WARNING HAS BEEN ISSUED FROM THE SAVANNAH RIVER NORTHWARD TO THE NORTH CAROLINA/VIRGINIA BORDER INCLUDING THE PAMLICO AND ALBEMARLE SOUNDS. 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 HURRICANE WATCH IS EXTENDED NORTHWARD AND IS NOW IN EFFECT FROM NORTH OF EDISTO BEACH SOUTH CAROLINA TO CURRITUCK BEACH LIGHT INCLUDING PAMLICO SOUND.

AT 5 PM EDT A TROPICAL STORM WATCH HAS BEEN ISSUED FROM THE NORTH CAROLINA/ VIRGINIA BORDER NORTHWARD TO GREAT EGG INLET NEW JERSEY INCLUDING THE CHESAPEAKE BAY THE TIDAL POTOMAC WASHINGTON D.C AND THE DELAWARE BAY. A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA GENERALLY WITHIN 36 HOURS.

A TROPICAL STORM WATCH REMAINS IN EFFECT FROM THE SAVANNAH RIVER SOUTHWARD TO ALTAMAHA SOUND GEORGIA.

A TROPICAL STORM WARNING REMAINS IN EFFECT FOR THE CENTRAL AND NORTHWESTERN BAHAMAS.

AT 500 PM EDT 2100Z THE CENTER OF TROPICAL STORM HANNA WAS LOCATED ABOUT 155 MILES EAST-NORtheast OF NASSAU AND ABOUT 625 MILES SOUTH-SOUTHEAST OF WILMINGTON NORTH CAROLINA.

HANNA IS MOVING TOWARD THE NORTHWEST NEAR 14 MPH AND THIS MOTION IS EXPECTED TO CONTINUE DURING THE NEXT DAY OR SO WITH
A GRADUAL INCREASE IN FORWARD SPEED. A TURN TO THE NORTH IS EXPECTED BY LATE FRIDAY. ON THE FORECAST TRACK THE CENTER OF HANNA WILL PASS JUST EAST OF THE NORTHWESTERN BAHAMAS TODAY AND WILL BE NEAR THE SOUTHEAST COAST OF THE UNITED STATES BY LATE FRIDAY. HOWEVER RAINS AND WINDS ASSOCIATED WITH HANNA WILL REACH THE COAST WELL IN ADVANCE OF THE CENTER.

MAXIMUM SUSTAINED WINDS ARE NEAR 65 MPH WITH HIGHER GUSTS. ONLY SLIGHT STRENGTHENING IS FORECAST PRIOR TO LANDFALL ALTHOUGH IT IS STILL POSSIBLE FOR HANNA TO BECOME A HURRICANE.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 315 MILES MAINLY TO THE NORTH AND EAST OF THE CENTER.

THE LATEST MINIMUM CENTRAL PRESSURE REPORTED BY RECONNAISSANCE AIRCRAFT WAS 988 MB.

HANNA COULD PRODUCE RAINFALL TOTALS OF 2 TO 3 INCHES OVER THE NORTHERN BAHAMAS AND THE EASTERN PORTIONS OF SOUTH AND NORTH CAROLINA WITH MAXIMUM ISOLATED AMOUNTS OF 5 INCHES POSSIBLE. RAINFALL TOTALS OF 1 TO 3 INCHES ARE POSSIBLE FROM THE GEORGIA COAST SOUTHWARD TO THE CENTRAL FLORIDA COAST. VERY HEAVY RAINFALL AMOUNTS ARE LIKELY TO SPREAD RAPIDLY NORTHWARD INTO THE MID ATLANTIC STATES AND NEW ENGLAND FROM FRIDAY NIGHT INTO SATURDAY AND MAY RESULT IN FLOODING.

COASTAL STORM SURGE FLOODING OF 2 TO 4 FEET ABOVE NORMAL TIDE LEVELS ALONG WITH LARGE AND DANGEROUS BATTERING WAVES CAN BE EXPECTED NEAR AND TO THE EAST OF THE PATH OF THE CENTER OF HANNA.

FORECASTER FRANKLIN

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.
Virginia Key, FL - Station Map

Virginia Key, FL
Return to List

Last Observed Sample: 09/04/2008 18:48 (EDT)
Relative to MLLW: Observed: 1.39 ft. Predicted: 0.59 ft. Residual: 0.80 ft.
Historical Maximum Water Level: 11/15/1994, 1.9 ft. above MHHW

Trident Pier, FL - Station Map

Trident Pier, FL
Return to List

Last Observed Sample: 09/04/2008 19:18 (EDT)
Historical Maximum Water Level: 09/16/2001, 2.28 ft. above MHHW
Trident Pier, FL - Station Map

NOAA/NOS/C0-OPS
Air/Water Temperature Plot
8721504 Trident Pier, FL
from 09/02/2008 19:30 - 09/05/2008 19:30

Tropical Storm HANNA QuickLook, POSTED 19:00 EDT 09/04/2008

Last Observed Sample: 09/04/2008 19:18 (EDT)
Water Temperature: n/a Air Temperature: 80.8° F

Trident Pier, FL - Station Map

NOAA/NOS/C0-OPS
Wind Speed/Gusts/Dir
8721504 Trident Pier, FL
from 09/02/2008 19:30 - 09/05/2008 19:30

Last Observed Sample: 09/04/2008 19:18 (EDT)
Wind Speed: 9 knots Gusts: 14 knots Direction: 010° T
Trident Pier, FL - Station Map

Return to List

NOAA/NOS/C0-0PS
Barometric Pressure Plot
8721004 Trident Pier, FL
from 09/02/2008 19:30 - 09/05/2008 19:30

Barometric pressure

Last Observed Sample: 09/04/2008 19:18 (EDT)
Barometric Pressure: 1007.8 mb

Ponce De Leon Inlet South, FL - Station Map

Return to List

NOAA/NOS/C0-0PS
Preliminary 6 min. Water Level vs. Predicted Plot
8721147 Ponce De Leon Inlet South, FL
from 09/02/2008 17:30 - 09/05/2008 17:30

Relative to MLLW: Observed: 2.34 ft. Predicted: 0.94 ft. Residual: 1.40 ft.
Historical Maximum Water Level: n/a
Fort Pulaski, GA - Station Map

Last Observed Sample: 09/04/2008 19:12 (EDT)
Relative to MLLW: Observed: 2.03 ft. Predicted: 1.47 ft. Residual: 0.56 ft.
Historical Maximum Water Level: 10/15/1947, 3.4 ft. above MHHW

Fernandina Beach, FL - Station Map

Last Observed Sample: 09/04/2008 19:18 (EDT)
Water Temperature: 84.6° F Air Temperature: 81.9° F
Fernandina Beach, FL - Station Map

NOAA/NOS/C0-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
from 09/02/2008 19:30 - 09/05/2008 19:30

Last Observed Sample: 09/04/2008 19:18 (EDT)
Relative to MLLW: Observed: 2.04 ft. Predicted: 1.10 ft. Residual: 0.94 ft.
Historical Maximum Water Level: 10/02/1898, 6.94 ft. above MHHW

Fernandina Beach, FL - Station Map

NOAA/NOS/C0-OPS
Barometric Pressure Plot
from 09/02/2008 19:30 - 09/05/2008 19:30

Last Observed Sample: 09/04/2008 19:18 (EDT)
Barometric Pressure: 1011.0 mb
Fort Pulaski, GA - Station Map

NOAA/NOS/C0-OPS
Air/Water Temperature Plot
9670670 Fort Pulaski, GA
From 09/02/2008 19:30 - 09/05/2008 19:30

Water Temperature: 84.9° F
Air Temperature: 81.3° F

Fort Pulaski, GA - Station Map

NOAA/NOS/C0-OPS
Wind Speed/Gusts/Dir
9670670 Fort Pulaski, GA
From 09/02/2008 19:30 - 09/05/2008 19:30

Wind Speed: 12 knots
Gusts: 16 knots
Direction: 056° T
Tropical Storm HANNA QuickLook, POSTED 19:00 EDT 09/04/2008

**Fort Pulaski, GA - Station Map**

NOAA/NOS/C0-OPS
Barometric Pressure Plot
9670879 Fort Pulaski, GA
from 09/02/2008 19:30 - 09/05/2008 19:30

Last Observed Sample: 09/04/2008 19:12 (EDT)
Barometric Pressure: 1012.5 mb

**Springmaid Pier, SC - Station Map**

NOAA/NOS/C0-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
9661670 Springmaid Pier, SC
from 09/02/2008 19:30 - 09/05/2008 19:30

Relative to MLLW: Observed: 2.30 ft. Predicted: 1.75 ft. Residual: 0.55 ft.
Historical Maximum Water Level: 01/01/1987, 3.65 ft. above MHHW
Springmaid Pier, SC - Station Map

NOAA/NOS/C0-OPS
Air/Water Temperature Plot
9661970 Springmaid Pier, SC
from 09/02/2008 19:30 - 09/05/2008 19:30

Last Observed Sample: 09/04/2008 19:18 (EDT)
Water Temperature: 87.6° F Air Temperature: 80.8° F

Springmaid Pier, SC - Station Map

NOAA/NOS/C0-OPS
Wind Speed/Gusts/Dir
9661970 Springmaid Pier, SC
from 09/02/2008 19:30 - 09/05/2008 19:30

Last Observed Sample: 09/04/2008 19:18 (EDT)
Wind Speed: 12 knots Gusts: 14 knots Direction: 074° T
Springmaid Pier, SC - Station Map

Last Observed Sample: 09/04/2008 19:18 (EDT)

Barometric Pressure: 1014.2 mb

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