As of 08/29/2012 23:00 CDT, water levels along the Gulf coast from Alabama to Louisiana are elevated and continue to rise in some locations. Water levels at New Canal Station, LA near Lake Pontchartrain are 6.1 feet above tidal predictions and rising. Water levels along the Gulf Coast from Dauphin Island, AL to Shell Beach, LA, including Mobile Bay, are between 2.5 and 5.6 ft above predictions with water levels falling at Bay Waveland and Shell Beach. Water levels along southeastern Louisiana from Pilots Station to LAWMA, Amerada Pass, LA are elevated between 1.6 and 2.6 feet above tidal predictions. Water levels at stations west of Freshwater Canal, LA are 2.2 feet below tidal predictions. Water levels along the Florida panhandle remain elevated by 1.6 to 2.1 feet above tidal predictions.

Winds from Alabama to southeastern Louisiana generally range from 17 to 35 knots, with gusts of up to 49 knots at Shell Beach, LA. Winds along the Florida panhandle are decreasing and range from 10 to 15 knots. Barometric pressure is beginning to rise in most locations.
Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

New Canal Station, LA: Next predicted high tides are 0.4 ft (0.11 m) at 08/30/2012 19:18 CDT and 0.3 ft (0.10 m) at 08/31/2012 19:42 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tides are 1.7 ft (0.53 m) at 08/30/2012 12:14 CDT and 1.0 ft (0.31 m) at 08/31/2012 04:15 CDT.

Shell Beach, LA: Next predicted high tides are 1.2 ft (0.36 m) at 08/30/2012 14:26 CDT and 0.8 ft (0.26 m) at 08/31/2012 07:22 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.4 ft (0.43 m) at 08/30/2012 11:03 CDT and 0.5 ft (0.15 m) at 08/31/2012 01:55 CDT.

Chickasaw Creek, AL: Next predicted high tides are 1.2 ft (0.38 m) at 08/30/2012 13:06 CDT and 1.1 ft (0.34 m) at 08/31/2012 14:34 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tides are 1.4 ft (0.43 m) at 08/30/2012 12:26 CDT and 1.3 ft (0.39 m) at 08/31/2012 13:22 CDT.

Dauphin Island, AL: Next predicted high tides are 1.4 ft (0.42 m) at 08/30/2012 10:20 CDT and 1.2 ft (0.37 m) at 08/31/2012 11:14 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.4 ft (0.43 m) at 08/30/2012 09:26 CDT and 1.2 ft (0.38 m) at 08/31/2012 10:13 CDT.

Grand Isle, LA: Next predicted high tides are 1.2 ft (0.38 m) at 08/30/2012 10:21 CDT and 1.1 ft (0.34 m) at 08/31/2012 11:26 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.4 ft (0.41 m) at 08/30/2012 04:37 CDT and 1.3 ft (0.41 m) at 08/30/2012 15:23 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.0 ft (0.62 m) at 08/30/2012 03:25 CDT and 1.8 ft (0.56 m) at 08/30/2012 13:28 CDT.

Pensacola, FL: Next predicted high tides are 1.5 ft (0.46 m) at 08/30/2012 11:08 CDT and 1.3 ft (0.41 m) at 08/31/2012 12:08 CDT.

Panama City, FL: Next predicted high tides are 1.5 ft (0.47 m) at 08/30/2012 10:21 CDT and 1.4 ft (0.43 m) at 08/31/2012 11:16 CDT.

Apalachicola, FL: Next predicted high tides are 1.6 ft (0.48 m) at 08/30/2012 04:47 EDT and 1.8 ft (0.57 m) at 08/30/2012 15:26 EDT.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see Tidal Datums. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: DW
SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ISAAC ADVISORY NUMBER 35
400 PM CDT WED AUG 29 2012

...ISAAC PRODUCING LIFE-THREATENING HAZARDS FROM STORM SURGE AND INLAND FLOODING AS IT MOVES SLOWLY ACROSS SOUTHEASTERN LOUISIANA...

WATCHES AND WARNINGS
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CHANGES WITH THIS ADVISORY...

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...
* CAMERON LOUISIANA TO THE ALABAMA-FLORIDA BORDER

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK
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AT 400 PM CDT THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED BY NOAA DOPPLER WEATHER RADAR ABOUT 35 MI S OF BATON ROUGE LOUISIANA OR ABOUT 60 MI W OF NEW ORLEANS LOUISIANA. ISAAC IS MOVING TOWARD THE NORTHWEST NEAR 6 MPH. THIS GENERAL MOTION IS EXPECTED TO CONTINUE THROUGH TONIGHT...FOLLOWED BY A TURN TOWARD THE NORTH-NORTHWEST BY THURSDAY NIGHT OR EARLY FRIDAY. ON THE FORECAST TRACK...THE CENTER OF ISAAC WILL MOVE FARHER INLAND OVER LOUISIANA TONIGHT AND TOMORROW...AND MOVE OVER SOUTHERN ARKANSAS BY EARLY FRIDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 70 MPH WITH HIGHER GUSTS. STEADY WEAKENING IS FORECAST DURING THE NEXT 48 HOURS AS ISAAC CONTINUES TO MOVE FARHER INLAND...AND ISAAC COULD BECOME A TROPICAL DEPRESSION BY THURSDAY NIGHT.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 175 MILES FROM THE CENTER.

DURING THE PAST HOUR...A WIND GUST TO 70 MPH WAS REPORTED AT MARSH ISLAND LOUISIANA...AND A GUST TO 67 MPH WAS REPORTED AT GULFPORT MISSISSIPPI. ALSO...TROPICAL-STORM-FORCE WINDS HAVE BEEN OCCURRING CONTINUOUSLY AT SHELL BEACH LOUISIANA FOR MORE THAN 24 HOURS.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON NEARBY SURFACE OBSERVATIONS IS 975 MB.

HAZARDS AFFECTING LAND
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EVEN THOUGH ISAAC IS NO LONGER A HURRICANE...LIFE-THREATENING HAZARDS FROM STORM SURGE AND INLAND FLOODING ARE STILL OCCURRING.

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

* MISSISSIPPI AND SOUTHEASTERN LOUISIANA...6 TO 12 FT
* SOUTH-CENTRAL LOUISIANA...3 TO 6 FT
* ALABAMA...2 TO 4 FT
* FLORIDA PANHANDLE AND APALACHEE BAY...1 TO 2 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE WINDS. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES.

STORM SURGE VALUES NEAR 7 FEET HAVE RECENTLY BEEN REPORTED AT WAVELAND MISSISSIPPI.

WIND...TROPICAL STORM CONDITIONS WILL CONTINUE ACROSS THE WARNING AREA THROUGH TONIGHT.

WINDS AFFECTING THE UPPER FLOORS OF HIGH-RISE BUILDINGS WILL BE SIGNIFICANTLY STRONGER THAN THOSE NEAR GROUND LEVEL. AT ABOUT THE 30TH STORY...WINDS WOULD LIKELY BE ONE SAFFIR-SIMPSON CATEGORY STRONGER THAN AT THE SURFACE.

RAINFALL...ISAAC IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 7 TO 14 INCHES...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 25 INCHES...OVER MUCH OF LOUISIANA...SOUTHERN AND CENTRAL MISSISSIPPI...SOUTHWEST ALABAMA AND SOUTHERN AND CENTRAL ARKANSAS THROUGH FRIDAY. THESE RAINS COULD RESULT IN SIGNIFICANT LOWLAND FLOODING.

AN UNOFFICIAL RAINFALL TOTAL OF 22.5 INCHES HAS BEEN REPORTED IN ARABI LOUISIANA...WHICH IS NEAR THE NINTH WARD DISTRICT OF NEW ORLEANS. AN OFFICIAL REPORT OF 17 INCHES OF RAINFALL HAS BEEN RECEIVED FROM AUDUBON PARK IN NEW ORLEANS.

TORNADOES...ISOLATED TORNADOES ARE POSSIBLE ALONG THE CENTRAL GULF COAST REGION AND PARTS OF THE LOWER MISSISSIPPI RIVER VALLEY THROUGH THURSDAY.

SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL CONTINUE TO AFFECT THE WEST COAST OF FLORIDA AND THE NORTHERN GULF COAST FOR THE NEXT DAY OR SO.

FORECASTER STEWART
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: New Canal Station - Water Level, New Canal Station - Winds, Bay Waveland Yacht Club - Water Level, Bay Waveland Yacht Club - Winds, Bay Waveland Yacht Club - Barometric, Shell Beach - Water Level, Shell Beach - Winds, Shell Beach - Barometric, Pascagoula NOAA Lab - Water Level, Dock C, Port of Pascagoula - Winds, Chickasaw Creek - Water Level, Coast Guard Sector Mobile - Water Level, Coast Guard Sector Mobile - Winds, Dauphin Island - Water Level, Dauphin Island - Winds, Pilots Station East, SW Pass - Water Level, Pilots Station East, SW Pass - Winds, Pilots Station East, SW Pass - Barometric, Grand Isle - Water Level, Grand Isle - Winds, Grand Isle - Barometric, LAWMA, Amerada Pass - Water Level, LAWMA, Amerada Pass - Winds, Freshwater Canal Locks - Water Level, Freshwater Canal Locks - Barometric, Pensacola - Water Level, Pensacola - Winds, Panama City - Water Level, Panama City - Winds, Apalachicola - Water Level, Apalachicola - Winds.
New Canal Station, LA - Return to List

NOS/NCEI

Preliminary 6 min. Water Level vs. Predicted Plot
8/27/2012 - 8/30/2012 23:18 CDT

Last Observed Sample: 08/29/2012 23:18 (CDT)
Historical Maximum Water Level: Sep 13 2008, 4.96 ft. above MHHW

New Canal Station, LA - Return to List

NOS/NCEI

Wind Speed/Gusts/Dir
8/27/2012 - 8/30/2012 23:18 CDT

Last Observed Sample: 08/29/2012 23:18 (CDT)
Wind Speed: 20 knots Gusts: 35 knots Direction: 184° T
Bay Waveland Yacht Club, MS - Return to List

NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8/27/2012 - 8/30/2012 23:18

Last Observed Sample: 08/29/2012 23:18 (CDT)
Relative to MLLW: Observed: 5.66 ft. Predicted: 0.32 ft. Residual: 5.34 ft.
Historical Maximum Water Level: Sep 1 2008, 9.16 ft. above MHHW

Bay Waveland Yacht Club, MS - Return to List

NOS/CO-OPS
Wind Speed/Gusts/Dir
8/27/2012 - 8/30/2012 23:18

Last Observed Sample: 08/29/2012 23:18 (CDT)
Wind Speed: 34 knots Gusts: 41 knots Direction: 153° T
Bay Waveland Yacht Club, MS - Return to List

Last Observed Sample: 08/29/2012 23:18 (CDT)
Barometric Pressure: 999.8 mb

Shell Beach, LA - Return to List

Last Observed Sample: 08/29/2012 23:18 (CDT)
Relative to MLLW: Observed: 4.17 ft. Predicted: 0.06 ft. Residual: 4.11 ft.
Historical Maximum Water Level: Sep 1 2008, 8.78 ft. above MHHW
Shell Beach, LA - Return to List

Tropical Storm ISAAC QuickLook, POSTED 23:00 CDT 08/29/2012

Wind Speed/Gusts/Dir

From 08/27/2012 23:30 - 08/30/2012 23:30

Last Observed Sample: 08/29/2012 23:18 (CDT)
Wind Speed: 33 knots Gusts: 39 knots Direction: 168° T

Barometric Pressure: 999.2 mb
Pascagoula NOAA Lab, MS - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
0741333 Pascagoula NOAA Lab, MS
From 08/27/2012 23:30 - 08/30/2012 23:30

Last Observed Sample: 08/29/2012 23:24 (CDT)
Relative to MLLW: Observed: 3.97 ft. Predicted: 0.30 ft. Residual: 3.67 ft.
Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

Dock C, Port of Pascagoula, MS - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
0741501 Dock C, Port of Pascagoula, MS
From 08/27/2012 23:30 - 08/30/2012 23:30

Last Observed Sample: 08/29/2012 23:24 (CDT)
Wind Speed: 28 knots Gusts: 34 knots Direction: 149° T
Chickasaw Creek, AL - Return to List

NOAA/NESS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Flot
8/27/12 - 8/30/2012
Last Observed Sample: 08/29/2012 23:18 (CDT)
Relative to MLLW: Observed: 3.95 ft. Predicted: 0.23 ft. Residual: 3.72 ft.
Historical Maximum Water Level: , 0 ft. above MHHW

Coast Guard Sector Mobile, AL - Return to List

NOAA/NESS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Flot
8/27/12 - 8/30/2012
Last Observed Sample: 08/29/2012 23:24 (CDT)
Relative to MLLW: Observed: 4.15 ft. Predicted: 0.29 ft. Residual: 3.86 ft.
Historical Maximum Water Level: Sep 1 2008, 3.79 ft. above MHHW
Coast Guard Sector Mobile, AL - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
3/36897 Coast Guard Sector Mobile, AL
from 08/27/2012 23:18 to 08/30/2012 23:58

Last Observed Sample: 08/29/2012 23:24 (CDT)
Wind Speed: 18 knots Gusts: 28 knots Direction: 132° T

Dauphin Island, AL - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Flot
3/36897 Dauphin Island, AL
from 08/27/2012 23:18 to 08/30/2012 23:58

Last Observed Sample: 08/29/2012 23:18 (CDT)
Relative to MLLW: Observed: 2.68 ft. Predicted: 0.34 ft. Residual: 2.34 ft.
Historical Maximum Water Level: Sep 16 2004, 5.94 ft. above MHHW
Dauphin Island, AL - Return to List

Last Observed Sample: 08/29/2012 23:18 (CDT)
Wind Speed: 32 knots Gusts: 37 knots Direction: 138° T

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

Last Observed Sample: 08/29/2012 23:24 (CDT)
Relative to MLLW: Observed: 2.47 ft. Predicted: 0.54 ft. Residual: 1.93 ft.
Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW
Last Observed Sample: 08/29/2012 23:24 (CDT)

Wind Speed: 34 knots  
Gusts: 45 knots  
Direction: 180° T

Barometric Pressure: 1001.7 mb
Grand Isle, LA - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Flot
8/6/12 24 Grand Isle, LA
from 08/27/2012 23:30 - 08/30/2012 23:30

Last Observed Sample: 08/29/2012 23:24 (CDT)
Relative to MLLW: Observed: 2.84 ft. Predicted: 0.50 ft. Residual: 2.34 ft.
Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Grand Isle, LA - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
8/6/12 24 Grand Isle, LA
from 08/27/2012 23:30 - 08/30/2012 23:30

Last Observed Sample: 08/29/2012 23:24 (CDT)
Wind Speed: 26 knots Gusts: 34 knots Direction: 210° T
Grand Isle, LA - Return to List

NOAA/NOS/OCS-CPS
Barometric Pressure Plot
8/6/12 Grand Isle, LA
from 08/27/2012 23:30 - 08/30/2012 23:30

Barometric Pressure: 1000.1 mb

LAWMA, Amerada Pass, LA - Return to List

NOAA/NOS/OCS-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
876427 LHHW, Amerada Pass, LA
from 08/27/2012 23:30 - 08/30/2012 23:30

Relative to MLLW: Observed: 1.48 ft. Predicted: 0.10 ft. Residual: 1.38 ft.
Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW
LAWMA, Amerada Pass, LA - Return to List

Wind Speed/Gusts/Dir
8/6/12 27 LAWMA, Amerada Pass, LA
from 08/27/2012 23:18 - 08/30/2012 23:30

Last Observed Sample: 08/29/2012 23:24 (CDT)
Wind Speed: 9 knots Gusts: 24 knots Direction: 243° T

Freshwater Canal Locks, LA - Return to List

Preliminary 6 min. Water Level vs. Predicted Tides
8/6/12 Freshwater Canal Locks, LA
from 08/27/2012 23:30 - 08/30/2012 23:30

Relative to MLLW: Observed: -1.17 ft. Predicted: 0.94 ft. Residual: -2.11 ft.
Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW
Freshwater Canal Locks, LA - Return to List

Barometric Pressure Plot
8/29/12 Freshwater Canal Locks, LA
from 08/27/2012 23:18 - 08/30/2012 23:18

Barometric Pressure: 994.7 mb

Last Observed Sample: 08/29/2012 23:18 (CDT)

Pensacola, FL - Return to List

Preliminary 6 min. Water Level vs. Predicted Plot
8/29/12 Pensacola, FL
from 08/27/2012 23:18 - 08/30/2012 23:18

Relative to MLLW: Observed: 2.40 ft. Predicted: 0.44 ft. Residual: 1.96 ft.
Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW
Pensacola, FL - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
8/29/2012 Pensacola, FL
from 08/27/2012 23:10 - 08/30/2012 23:30

Last Observed Sample: 08/29/2012 23:18 (CDT)
Wind Speed: 12 knots Gusts: 18 knots Direction: 154° T

Panama City, FL - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Flot
8/29/2012 Panama City, FL
from 08/27/2012 23:10 - 08/30/2012 23:30

Relative to MLLW: Observed: 2.16 ft. Predicted: 0.66 ft. Residual: 1.50 ft.
Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above MHHW
Panama City, FL - Return to List

Last Observed Sample: 08/29/2012 23:24 (CDT)
Wind Speed: 8 knots  Gusts: 12 knots  Direction: 111° T

Apalachicola, FL - Return to List

Relative to MLLW: Observed: 1.78 ft.  Predicted: 0.59 ft.  Residual: 1.19 ft.
Historical Maximum Water Level: Jul 10 2005, 6.43 ft. above MHHW
Apalachicola, FL - Return to List

Tropical Storm ISAAC QuickLook, POSTED 23:00 CDT 08/29/2012

Wind Speed: 12 knots
Gusts: 16 knots
Direction: 161° T

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National Oceanic and Atmospheric Administration | U.S. Department of Commerce