Storm Analysis

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the National Hurricane Center (NHC) issues a new tropical storm or hurricane warning for the U.S. or its territories.

As of 09/04/2011 23:00 CDT, water levels along a the northern Gulf of Mexico coastline from the western Florida panhandle to central Louisiana have peaked and are slowly beginning to fall. Water levels within Lake Pontchartrain are also elevated and may be slow to recede partially due to runoff from excessive rainfall. Water level stations along the southwestern Louisiana and southeastern Texas coastlines, including Galveston Bay, remain below predicted levels.

Winds are gradually decreasing across the region. Barometric pressure has bottomed out or is rising across the region.
Water levels in bays and associated waterways may include impacts from hydrological forces, including rainfall runoff. For additional hydrological information see NWS Advanced Hydrologic Prediction Services or National Weather Service Forecast Office. Future information on this system can be found in public advisories issued by the Hydrometeorological Prediction Center.

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

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.3 ft (0.40 m) at 09/05/2011 01:12 CDT and 1.4 ft (0.43 m) at 09/06/2011 02:11 CDT.

Grand Isle, LA: Next predicted high tides are 1.5 ft (0.47 m) at 09/05/2011 04:15 CDT and 1.5 ft (0.47 m) at 09/06/2011 05:29 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.6 ft (0.50 m) at 09/05/2011 02:43 CDT and 1.6 ft (0.50 m) at 09/06/2011 04:24 CDT.

Shell Beach, LA: Next predicted high tides are 1.6 ft (0.49 m) at 09/05/2011 07:46 CDT and 1.6 ft (0.48 m) at 09/06/2011 08:42 CDT.

New Canal Station, LA: Next predicted high tides are 0.5 ft (0.14 m) at 09/05/2011 14:51 CDT and 0.5 ft (0.14 m) at 09/06/2011 15:37 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.7 ft (0.51 m) at 09/05/2011 03:41 CDT and 1.7 ft (0.51 m) at 09/06/2011 04:50 CDT.

Dauphin Island, AL: Next predicted high tides are 1.7 ft (0.52 m) at 09/05/2011 04:47 CDT and 1.7 ft (0.52 m) at 09/06/2011 05:58 CDT.

Mobile State Docks, AL: Next predicted high tides are 2.0 ft (0.60 m) at 09/05/2011 05:57 CDT and 1.9 ft (0.58 m) at 09/06/2011 06:52 CDT.

Pensacola, FL: Next predicted high tides are 1.8 ft (0.56 m) at 09/05/2011 05:08 CDT and 1.8 ft (0.57 m) at 09/06/2011 06:27 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.1 ft (0.65 m) at 09/04/2011 23:17 CDT and 2.2 ft (0.66 m) at 09/06/2011 00:09 CDT.

Calcasieu Pass, LA: Next predicted high tides are 2.2 ft (0.66 m) at 09/05/2011 00:18 CDT and 1.9 ft (0.58 m) at 09/05/2011 07:36 CDT.

Morgans Point, TX: Next predicted high tides are 1.7 ft (0.51 m) at 09/05/2011 07:04 CDT and 1.7 ft (0.51 m) at 09/06/2011 08:03 CDT.

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:CMF
SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION LEE ADVISORY NUMBER 14
1000 PM CDT SUN SEP 04 2011

...LEE WEAKENS TO A TROPICAL DEPRESSION...FLOODING RAINS EXPECTED TO SPREAD FROM THE CENTRAL GULF COAST TO THE APPALACHIANS...

WATCHES AND WARNINGS
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CHANGES WITH THIS ADVISORY...

ALL COASTAL TROPICAL STORM WARNINGS HAVE BEEN DISCONTINUED.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

NONE

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 1000 PM CDT THE CENTER OF TROPICAL DEPRESSION LEE WAS LOCATED ABOUT 55 MI WSW OF MCCOMB MISSISSIPPI OR ABOUT 60 MI ESE OF ALEXANDRIA LOUISIANA. THE DEPRESSION IS MOVING TOWARD THE EAST-NORTHEAST NEAR 7 MPH. A TURN TOWARD THE NORTHEAST AND SOME INCREASE IN FORWARD SPEED ARE EXPECTED IN THE NEXT DAY OR SO. ON THE FORECAST TRACK...THE CENTER OF LEE WILL MOVE ACROSS SOUTHERN MISSISSIPPI OVERNIGHT AND MONDAY.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 35 MPH WITH HIGHER GUSTS...AND THESE STRONGEST WINDS ARE LOCATED WELL TO THE SOUTH AND SOUTHEAST OF THE CENTER OVER WATER. LITTLE CHANGE IN STRENGTH IS EXPECTED IN THE NEXT DAY OR SO AS LEE BECOMES AN EXTRATROPICAL CYCLONE.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON SURFACE OBSERVATIONS IS 990 MB.

HAZARDS AFFECTING LAND
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RAINFALL...LEE IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 10 TO 15 INCHES ACROSS THE CENTRAL GULF COAST REGION...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES THROUGH TUESDAY. HEAVY RAINS WILL CONTINUE TO EXPAND NORTHEASTWARD INTO THE TENNESSEE VALLEY AND SOUTHERN APPALACHIAN MOUNTAINS THROUGH TUESDAY WITH RAINFALL AMOUNTS OF 4 TO 8 INCHES EXPECTED...WITH ISOLATED AMOUNTS OF 10 INCHES POSSIBLE. THESE RAINS ARE EXPECTED TO CAUSE EXTENSIVE FLOODING AND FLASH FLOODING.

STORM SURGE...ELEVATED WATER LEVELS WILL BE SLOW TO RECEDE ALONG THE GULF
COAST FROM LOUISIANA TO THE FLORIDA PANHANDLE DUE TO PERSISTENT ONSHORE WINDS. PLEASE SEE PRODUCTS FROM YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE FOR LOCATION-SPECIFIC STORM TIDE AND STORM SURGE INFORMATION.

TORNADOES...A FEW TORNADOES ARE POSSIBLE OVERNIGHT AND MONDAY OVER PORTIONS OF SOUTHERN LOUISIANA...SOUTHERN MISSISSIPPI...SOUTHERN ALABAMA...THE FLORIDA PANHANDLE...AND EXTREME SOUTHWESTERN GEORGIA.

NEXT ADVISORY
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THIS IS THE LAST PUBLIC ADVISORY ISSUED BY THE NATIONAL HURRICANE CENTER ON LEE. FUTURE INFORMATION ON LEE CAN BE FOUND IN PUBLIC ADVISORIES ISSUED BY THE HYDROMETEOROLOGICAL PREDICTION CENTER...UNDER AWIPS HEADER TCPAT3 AND WMO HEADER WTNT33 KWNH...BEGINNING AT 400 AM CDT 09/05/2011.

FORECASTER BRENNAAN

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.

**LAWMA, Amerada Pass, LA - Return to List**

**NOAA/NOS/C0-CPS**

Preliminary 6 min. Water Level vs. Predicted Plot

876427 LAWMA, Amerada Pass, LA

from 09/02/2011 22:42 - 09/05/2011 22:42

- Last Observed Sample: 09/04/2011 22:42 (CDT)
- Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

**LAWMA, Amerada Pass, LA - Return to List**

**NOAA/NOS/C0-CPS**

Wind Speed/Gusts/Dir

876427 LAWMA, Amerada Pass, LA

from 09/02/2011 22:42 - 09/05/2011 22:42

- Last Observed Sample: 09/04/2011 22:42 (CDT)
- Wind Speed: 5 knots Gusts: 14 knots Direction: 226° T
LAWMA, Amerada Pass, LA - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
8764227 LAWMA, Amerada Pass, LA
From 09/02/2011 22:42 - 09/05/2011 22:42

Last Observed Sample: 09/04/2011 22:42 (CDT)
Barometric Pressure: 998.4 mb

Grand Isle, LA - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8761724 Grand Isle, LA
From 09/02/2011 22:42 - 09/05/2011 22:42

Last Observed Sample: 09/04/2011 22:42 (CDT)
Relative to MLLW: Observed: 2.03 ft. Predicted: 1.02 ft. Residual: 1.01 ft.
Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW
Pilots Station East, SW Pass, LA - Return to List

Last Observed Sample: 09/04/2011 22:36 (CDT)

Relative to MLLW: Observed: 2.27 ft. Predicted: 1.28 ft. Residual: 0.99 ft.
Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

Wind Speed: 21 knots Gusts: 26 knots Direction: 176° T
Pilots Station East, SW Pass, LA - Return to List

NOAA/NOG/C0-CPS
Barometric Pressure Plot
8760922 Pilots Station East, SW Pass, LA
FROM 09/02/2011 22:42 - 09/05/2011 22:42

Barometric Pressure: 1002.5 mb

Last Observed Sample: 09/04/2011 22:36 (CDT)

Shell Beach, LA - Return to List

NOAA/NOG/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8761000 Shell Beach, LA
FROM 09/02/2011 22:42 - 09/05/2011 22:42

Relative to MLLW: Observed: 2.32 ft. Predicted: 0.21 ft. Residual: 2.11 ft.
Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above MHWW
Tropical Depression LEE QuickLook, POSTED 23:00 CDT 09/04/2011

Shell Beach, LA - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
from 09/02/2011 22:42 - 09/05/2011 22:42

- Wind Speed: 15 knots
- Gusts: 20 knots
- Direction: 179° T

Last Observed Sample: 09/04/2011 22:36 (CDT)

Shell Beach, LA - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
from 09/02/2011 22:42 - 09/05/2011 22:42

- Barometric Pressure: 1002.0 mb

Last Observed Sample: 09/04/2011 22:36 (CDT)
New Canal Station, LA - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8761927 New Canal Station, LA
from 09/02/2011 22:42 - 09/05/2011 22:42

Relative to MLLW: Observed: 3.36 ft. Predicted: 0.09 ft. Residual: 3.27 ft.

Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

New Canal Station, LA - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
8761927 New Canal Station, LA
from 09/02/2011 22:42 - 09/05/2011 22:42

Wind Speed: 8 knots Gusts: 16 knots Direction: 181° T
New Canal Station, LA - Return to List

Barometric Pressure Plot
8761927 New Canal Station, LA
from 09/02/2011 22:42 - 09/05/2011 22:42

Last Observed Sample: 09/04/2011 22:36 (CDT)
Barometric Pressure: 999.9 mb

Pascagoula NOAA Lab, MS - Return to List

Preliminary 6 min. Water Level vs. Predicted Plot
8741333 Pascagoula NOAA Lab, MS
from 09/02/2011 22:42 - 09/05/2011 22:42

Relative to MLLW: Observed: 2.84 ft. Predicted: 0.89 ft. Residual: 1.95 ft.
Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW
Tropical Depression LEE QuickLook, POSTED 23:00 CDT 09/04/2011

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

NOAA/NWS/C0-CPS
Wind Speed/Gusts/Dir
8741501 Dock C, Port of Pascagoula, MS
From 09/02/2011 22:42 - 09/05/2011 22:42

![Wind Speed Chart](chart)

- Last Observed Sample: 09/04/2011 22:36 (CDT)
- Wind Speed: 19 knots
- Gusts: 26 knots
- Direction: 148° T

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

NOAA/NWS/C0-CPS
Barometric Pressure Plot
8741501 Dock C, Port of Pascagoula, MS
From 09/02/2011 22:42 - 09/05/2011 22:42

![Barometric Pressure Chart](chart)

- Last Observed Sample: 09/04/2011 22:36 (CDT)
- Barometric Pressure: 1003.0 mb
Dauphin Island, AL - Return to List

Last Observed Sample: 09/04/2011 22:30 (CDT)
Relative to MLLW: Observed: 2.21 ft. Predicted: 0.81 ft. Residual: 1.40 ft.
Historical Maximum Water Level: Sep 2 1985, 3.36 ft. above MHHW

Dauphin Island, AL - Return to List

Last Observed Sample: 09/04/2011 22:30 (CDT)
Relative to MLLW: Observed: 2.21 ft. Predicted: 0.81 ft. Residual: 1.40 ft.
Historical Maximum Water Level: Sep 2 1985, 3.36 ft. above MHHW

Wind Speed: 23 knots Gusts: 24 knots Direction: 154° T
Tropical Depression LEE QuickLook, POSTED 23:00 CDT 09/04/2011

Dauphin Island, AL - Return to List

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8735380 Dauphin Island, AL
from 09/02/2011 22:42 - 09/05/2011 22:42

[Graph showing barometric pressure]

Last Observed Sample: 09/04/2011 22:36 (CDT)
Barometric Pressure: 1004.7 mb

Mobile State Docks, AL - Return to List

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8737048 Mobile State Docks, AL
from 09/02/2011 22:42 - 09/05/2011 22:42

[Graph showing water level]

Last Observed Sample: 09/04/2011 22:30 (CDT)
Relative to MLLW: Observed: 2.49 ft. Predicted: 0.79 ft. Residual: 1.70 ft.
Historical Maximum Water Level: Sep 26 2002, 3.64 ft. above MHHW.
Tropical Depression LEE QuickLook, POSTED 23:00 CDT 09/04/2011

Mobile State Docks, AL - Return to List

Barometric Pressure Plot
8737048 Mobile State Docks, AL
From 09/02/2011 22:42 - 09/05/2011 22:42

Barometric Pressure: 1004.6 mb

Pensacola, FL - Return to List

Preliminary 6 min. Water Level vs. Predicted Plot
8729640 Pensacola, FL
From 09/02/2011 22:42 - 09/05/2011 22:42

Relative to MLLW: Observed: 2.08 ft. Predicted: 0.95 ft. Residual: 1.13 ft.
Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW
Pensacola, FL - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
8729840 Pensacola, FL
from 09/02/2011 22:42 - 09/05/2011 22:42

Last Observed Sample: 09/04/2011 22:42 (CDT)
Barometric Pressure: 1005.9 mb

Freshwater Canal Locks, LA - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8769072 Freshwater Canal Locks, LA
from 09/02/2011 22:42 - 09/05/2011 22:42

Last Observed Sample: 09/04/2011 22:36 (CDT)
Relative to MLLW: Observed: 1.43 ft. Predicted: 2.09 ft. Residual: -0.66 ft.
Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

Tropical Depression LEE QuickLook, POSTED 23:00 CDT 09/04/2011
Tropical Depression LEE QuickLook, POSTED 23:00 CDT 09/04/2011

Freshwater Canal Locks, LA - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
8765072 Freshwater Canal Locks, LA
From 09/02/2011 22:42 - 09/05/2011 22:42

Speed (knots)

Last Observed Sample: 09/04/2011 22:36 (CDT)
Wind Speed: 15 knots Gusts: 24 knots Direction: 289° T

Freshwater Canal Locks, LA - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
8765072 Freshwater Canal Locks, LA
From 09/02/2011 22:42 - 09/05/2011 22:42

Pressure (mb)

Last Observed Sample: 09/04/2011 22:36 (CDT)
Barometric Pressure: 997.1 mb
Calcasieu Pass, LA - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
8766094 Calcasieu Pass, LA
from 09/02/2011 22:42 - 09/05/2011 22:42

Last Observed Sample: 09/04/2011 22:42 (CDT)
Relative to MLLW: Observed: 0.90 ft. Predicted: 2.02 ft. Residual: -1.12 ft.
Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

Calcasieu Pass, LA - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
8766094 Calcasieu Pass, LA
from 09/02/2011 22:42 - 09/05/2011 22:42

Last Observed Sample: 09/04/2011 22:42 (CDT)
Wind Speed: 25 knots Gusts: 29 knots Direction: 357° T
Tropical Depression LEE QuickLook, POSTED 23:00 CDT 09/04/2011

Calcasieu Pass, LA - Return to List

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8768094 Calcasieu Pass, LA
FROM 09/02/2011 22:42 - 09/05/2011 22:42

![Barometric Pressure Plot](image)

Last Observed Sample: 09/04/2011 22:42 (CDT)
Barometric Pressure: 1001.3 mb

Morgans Point, TX - Return to List

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8779513 Morgans Point, TX
FROM 09/02/2011 22:42 - 09/05/2011 22:42

![Water Level vs. Predicted Plot](image)

Last Observed Sample: 09/04/2011 22:30 (CDT)
Historical Maximum Water Level: Sep 12 2008, 5.19 ft. above MHHW
Barometric Pressure Plot
870613 Morgans Point, TX
From 09/02/2011 22:42 - 09/05/2011 22:42

Last Observed Sample: 09/04/2011 22:30 (CDT)
Barometric Pressure: 1004.6 mb

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