Tropical Storm BILL QuickLook
Posted: 23:00 CDT 06/15/2015

NOAA and NOAA Partnership Stations Relative to the Storm

Storm Analysis
As of 06/15/2015 23:00 CDT, water levels along the Texas and Western Louisiana coasts are slightly elevated and range between 0.95 to 2.4 ft above predicted tide levels. Winds are increasing along the eastern portion of the warning area, with gusts between 20 to 30 knots. Barometric pressure is falling across the region.
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Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

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: AC

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM BILL ADVISORY NUMBER 1

NWS NATIONAL HURRICANE CENTER MIAMI FL

1000 PM CDT MON JUN 15 2015

...TROPICAL STORM WARNING ISSUED AS TROPICAL STORM BILL FORMS...

...EXPECTED TO BRING HEAVY RAINFALL TO PORTIONS OF EASTERN TEXAS...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

A Tropical Storm Warning has been issued for the coast of Texas from Baffin Bay to High Island.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

* Baffin Bay to High Island Texas

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

For storm information specific to your area, 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 Storm Bill was located about 155 MI SSE of Galveston Texas. Bill is moving toward the northwest near 12 mph and this general motion is expected to continue tonight and Tuesday. On the forecast track the center of Bill is expected to make landfall in the warning area along the Texas coast Tuesday morning and move inland over south-central Texas Tuesday afternoon and Tuesday night.
Maximum sustained winds are near 50 mph with higher gusts. Some slight strengthening is possible before landfall. Weakening is forecast after the center moves inland on Tuesday, and Bill is expected to weaken to a tropical depression Tuesday night.

Tropical storm force winds extend outward up to 160 miles from the center.

The estimated minimum central pressure is 1005 mb.

HAZARDS AFFECTING LAND

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RAINFALL: Bill is expected to produce total rain accumulations of 4 to 8 inches over eastern Texas and eastern Oklahoma and 2 to 4 inches over western Louisiana and western Arkansas, with possible isolated maximum amounts of 12 inches in eastern Texas.

WIND: Tropical storm conditions are expected to first reach the coast within the warning area tonight.

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 heights above ground if the peak surge occurs at the time of high tide...

Upper Texas coast...2 to 4 feet

Western Louisiana coast...1 to 2 feet

The deepest water will occur along the immediate coast near and to the right of the landfall location. 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 National Weather Service forecast office.

NEXT ADVISORY

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Next intermediate advisory at 100 AM CDT.

Next complete advisory at 400 AM CDT.

Forecaster Brennan

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.
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Rockport - Barometric, Packery Channel (TCOON) - Water Level, Packery Channel (TCOON) - Winds, Packery Channel (TCOON) - Barometric, Port Isabel - Water Level, Port Isabel - Winds, Port Isabel - Barometric
NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA

Last Observed Sample: 06/15/2015 22:18 (CDT). Data relative to MHHW

- Observed: -0.00 ft. Predicted: -2.19 ft. Residual: 2.19 ft.
- Historical Maximum Water Level: Sep 12 2008, 7.98 ft.
- Next High Tide: 06/16/2015 04:33 (CDT), 0.18 ft.

Tropical Storm BILL QuickLook, POSTED 23:00 CDT 06/15/2015

Last Observed Sample: 06/15/2015 22:18 (CDT)

- Wind Speed: 14 knots
- Gusts: 22 knots
- Direction: 120° T
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NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA
Barometric Pressure

![Graph of barometric pressure](image)

Last Observed Sample: 06/15/2015 22:18 (CDT)
Barometric Pressure: 1014.6 mb

NOAA/NOS/CO-OPS 8768094 Calcasieu Pass, LA
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

![Graph of water level](image)

Last Observed Sample: 06/15/2015 22:24 (CDT). Data relative to MHHW
Observed: 0.26 ft. Predicted: -1.97 ft. Residual: 2.23 ft.
Historical Maximum Water Level: Sep 13 2008, 9.96 ft.
Next High Tide: 06/16/2015 05:09 (CDT), 0.26 ft.
Wind Speed: 21 knots
Gusts: 25 knots
Direction: 150° T

Barometric Pressure: 1012.4 mb
NOAA/NOS/CO-OPS 8770971 Rollover Pass (TCOON), TX

Last Observed Sample: 06/15/2015 22:24 (CDT). Data relative to MHHW

- Observed: -0.21 ft. Predicted: -1.08 ft. Residual: 0.87 ft.
- Historical Maximum Water Level: n/a
- Next High Tide: 06/16/2015 10:10 (CDT), 0.23 ft.

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Wind Speed: 25 knots Gusts: 28 knots Direction: 124° T
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NOAA/NOS/CO-OPS 8770971 Rollover Pass (TCOON), TX
Barometric Pressure

Last Observed Sample: 06/15/2015 22:24 (CDT)
Barometric Pressure: 1011.5 mb

NOAA/NOS/CO-OPS 8772447 USCG Freeport, TX
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 06/15/2015 22:24 (CDT). Data relative to MHHW
Observed: 0.41 ft. Predicted: -2.12 ft. Residual: 2.53 ft.
Historical Maximum Water Level: Sep 12 2008, 5.58 ft.
Next High Tide: 06/16/2015 05:46 (CDT), 0.17 ft.
Wind Speed: 17 knots  
Gusts: 24 knots  
Direction: 184° T

Barometric Pressure: 1010.4 mb
Last Observed Sample: 06/15/2015 22:18 (CDT). Data relative to MHHW

- Observed: 0.50 ft.
- Predicted: -0.51 ft.
- Residual: 1.01 ft.

Historical Maximum Water Level: n/a
Next High Tide: 06/16/2015 14:09 (CDT), 0.23 ft.

Last Observed Sample: 06/15/2015 22:18 (CDT)

Wind Speed: 11 knots
Gusts: 16 knots
Direction: 18° T
NOAA/NOS/CO-OPS 8773259 Port Lavaca (TCOON), TX

Last Observed Sample: 06/15/2015 22:18 (CDT)
Barometric Pressure: 1010.1 mb

NOAA/NOS/CO-OPS 8774770 Rockport, TX

Last Observed Sample: 06/15/2015 22:18 (CDT)
Data relative to MHHW
Observed: 0.75 ft. Predicted: -0.33 ft. Residual: 1.08 ft.
Historical Maximum Water Level: Aug 10 1980, 3.73 ft.
Next High Tide: 06/16/2015 14:47 (CDT), 0.01 ft.
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NOAA/NOS/CO-OPS 8774770 Rockport, TX

Wind Speed / Gusts / Direction

Last Observed Sample: 06/15/2015 22:18 (CDT)
Wind Speed: 4 knots Gusts: 5 knots Direction: 317° T

Barometric Pressure

Last Observed Sample: 06/15/2015 22:18 (CDT)
Barometric Pressure: 1009.5 mb
NOAA/NOS/CO-OPS 8775792 Packery Channel (TCOON), TX

Last Observed Sample: 06/15/2015 22:18 (CDT). Data relative to MHHW

- Observed: 0.59 ft.
- Predicted: -0.36 ft.
- Residual: 0.95 ft.

Historical Maximum Water Level: n/a

Next High Tide: 06/16/2015 14:33 (CDT), -0.02 ft.

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Last Observed Sample: 06/15/2015 22:18 (CDT)

- Wind Speed: 12 knots
- Gusts: 16 knots
- Direction: 6° T
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NOAA/NOS/CO-OPS 8775792 Packery Channel (TCOON), TX

Barometric Pressure

![Graph of Barometric Pressure]

Last Observed Sample: 06/15/2015 22:18 (CDT)
Barometric Pressure: 1009.5 mb

NOAA/NOS/CO-OPS 8779770 Port Isabel, TX

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

![Graph of Water Level]

Last Observed Sample: 06/15/2015 22:18 (CDT). Data relative to MHHW

- Observed: -0.92 ft. Predicted: -1.82 ft. Residual: 0.90 ft.
- Next High Tide: 06/16/2015 07:08 (CDT), 0.02 ft.
Tropical Storm BILL QuickLook, POSTED 23:00 CDT 06/15/2015

**Wind Speed / Gusts / Direction**

- Last Observed Sample: 06/15/2015 22:18 (CDT)
- Wind Speed: 1 knots
- Gusts: 2 knots
- Direction: 102° T

**Barometric Pressure**

- Last Observed Sample: 06/15/2015 22:18 (CDT)
- Barometric Pressure: 1010.2 mb
### Latest Water Level Observations on MHHW

<table>
<thead>
<tr>
<th>Station ID</th>
<th>Station Name</th>
<th>Date/Time</th>
<th>Observed Water Level</th>
<th>Predicted Tide</th>
<th>Residual Water Level</th>
<th>24 Hour Maximum Storm Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>8766072</td>
<td>Freshwater Canal Locks, LA</td>
<td>06/15/2015 22:18 (CDT)</td>
<td>-0.00 ft</td>
<td>-2.19 ft</td>
<td>2.19 ft</td>
<td>2.10 ft</td>
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<td>8768094</td>
<td>Calcasieu Pass, LA</td>
<td>06/15/2015 22:24 (CDT)</td>
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<td>Rollover Pass (TCOON), TX</td>
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<td>1.24 ft</td>
</tr>
<tr>
<td>8774770</td>
<td>Rockport, TX</td>
<td>06/15/2015 22:18 (CDT)</td>
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Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce