

## Storm Data and Unusual Weather Phenomena - June 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>GULF OF MEXICO</b>				
<b>FREEPORT TO MATAGORDA SHIP CHNL OUT 20NM COUNTY --- FREEPORT [28.95, -95.33]</b>				
	06/13/15 21:10 CST	0		Marine Thunderstorm Wind (MG 35 kt)
	06/13/15 21:10 CST	0		Source: Mesonet
The wind gust was measured at the Jetty Park observation site.				
<b>A weak tropical wave interacted with a highly moist air mass that produced strong thunderstorms.</b>				
<b>GALVESTON BAY COUNTY --- 9.7 ESE SMITH PT [29.48, -94.62]</b>				
	06/28/15 07:10 CST	0		Marine Thunderstorm Wind (MG 35 kt)
	06/28/15 07:10 CST	0		Source: AWOS
The marine thunderstorm wind gust was measured near Crab Lake.				
<b>A slow southward sagging cold front interacted with numerous outflow boundaries from activity earlier in the morning to produce morning showers and thunderstorms that produced marine thunderstorm wind gusts across the waters.</b>				
<b>HIGH IS TO FREEPORT TX OUT 20NM COUNTY --- 2.2 ESE FREEPORT [28.93, -95.30]</b>				
	06/30/15 14:05 CST	0		Marine Thunderstorm Wind (MG 38 kt)
	06/30/15 14:05 CST	0		Source: Mesonet
The wind gust was measured at the Surfside Beach site.				
<b>HIGH IS TO FREEPORT TX OUT 20NM COUNTY --- BUOY 42035 [29.23, -94.40]</b>				
	06/30/15 14:50 CST	0		Marine Thunderstorm Wind (MG 41 kt)
	06/30/15 14:50 CST	0		Source: Buoy
This wind gust was measured at Buoy 42035.				
<b>HIGH IS TO FREEPORT TX OUT 20NM COUNTY --- 3.5 SW GALVESTON [29.26, -94.86]</b>				
	06/30/15 15:15 CST	0		Marine Thunderstorm Wind (MG 34 kt)
	06/30/15 15:15 CST	0		Source: ASOS
The wind gust was measured at Scholes International Airport.				
<b>GALVESTON BAY COUNTY --- NORTH JETTY [29.37, -94.73]</b>				
	06/30/15 15:38 CST	0		Marine Thunderstorm Wind (MG 38 kt)
	06/30/15 15:38 CST	0		Source: Buoy
The wind gust was measured at the North Jetty PORTS site.				
<b>HIGH IS TO FREEPORT TX OUT 20NM COUNTY --- 10.7 WSW HIGH IS [29.50, -94.56]</b>				
	06/30/15 15:41 CST	0		Marine Thunderstorm Wind (MG 40 kt)
	06/30/15 15:41 CST	0		Source: Mesonet
The wind gust was measured at a WeatherFlow site.				
<b>GALVESTON BAY COUNTY --- NORTH JETTY [29.37, -94.73]</b>				
	06/30/15 15:50 CST	0		Marine Thunderstorm Wind (MG 37 kt)
	06/30/15 15:50 CST	0		Source: Buoy
The wind gust was measured at the North Jetty PORTS site.				
<b>HIGH IS TO FREEPORT TX OUT 20NM COUNTY --- 10.7 WSW HIGH IS [29.50, -94.56]</b>				
	06/30/15 15:56 CST	0		Marine Thunderstorm Wind (MG 37 kt)
	06/30/15 15:56 CST	0		Source: Mesonet
The wind gust was measured at a WeatherFlow site.				

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<b>GALVESTON BAY COUNTY --- 5.3 ENE TEXAS CITY [29.44, -94.83]</b>				
	06/30/15 16:10 CST		0	Marine Thunderstorm Wind (MG 34 kt)
	06/30/15 16:10 CST		0	Source: Mesonet

The wind gust was measured at the Galveston Bay site.

<b>HIGH IS TO FREEPORT TX OUT 20NM COUNTY --- 10.7 WSW HIGH IS [29.50, -94.56]</b>				
	06/30/15 16:21 CST		0	Marine Thunderstorm Wind (MG 34 kt)
	06/30/15 16:21 CST		0	Source: Mesonet

The wind gust was measured at a WeatherFlow site.

There were numerous mid to late afternoon marine thunderstorm winds gusts as storms moved northward across the waters.

### TEXAS, Central Southeast

<b>GALVESTON COUNTY --- 0.8 NE LEAGUE CTY SPLCLND AR [29.51, -95.04], 3.5 SSE DICKINSON [29.42, -95.03], 1.7 ENE ARCADIA [29.39, -95.12], 1.3 NNW LEAGUE CITY S S ARPT [29.50, -95.14]</b>				
	06/13/15 07:30 CST		0	Flash Flood (due to Heavy Rain)
	06/13/15 10:45 CST		0	Source: Emergency Manager

Strong thunderstorms produced heavy rainfall that flooded the southbound feeder road of Interstate 45 at Highway 96. Rainfall totals ranged from 5 to 7 inches.

A weak tropical wave interacted with a highly moist air mass and produced periods of high rainfall.

<b>(TX-Z163) HOUSTON, (TX-Z177) WALKER, (TX-Z196) BRAZOS, (TX-Z197) WASHINGTON, (TX-Z198) GRIMES, (TX-Z210) COLORADO, (TX-Z211) AUSTIN, (TX-Z213) HARRIS, (TX-Z214) CHAMBERS, (TX-Z226) WHARTON, (TX-Z235) JACKSON, (TX-Z236) MATAGORDA, (TX-Z237) BRAZORIA, (TX-Z238) GALVESTON</b>				
	06/15/15 00:00 CST		0	Tropical Storm
	06/17/15 14:00 CST		0	

Tropical Storm Bill made landfall at Matagorda Island on the morning of June 16th. Strong winds and minor coastal flooding occurred near Matagorda Bay in Jackson and Matagorda Counties and along the coast of Brazoria and Galveston Counties. Heavy rainfall of over 13 inches caused significant inland flooding in and around the towns of Lolita, Edna, and Ganado. The maximum sustained wind reported in Matagorda Bay was 45 knots (52 mph). The maximum wind gust of 54 knots (62 mph) was reported on the Bolivar Peninsula at Crab Lake. There were no reported tornadoes associated with Tropical Storm Bill.

Storm surge heights ranged from 2.1 feet in Chambers County to 3.2 feet in Galveston County. Roads were flooded and closed around Sargent in Matagorda County. Flood waters rose around homes in the city of Matagorda but no damage was reported. In Brazoria County, surge produced minor coastal flooding near Surfside beaches, the Treasure Island subdivision and San Luis Pass Park but with little or no damage. In the village of Surfside Beach, Seashell, Surf and Beach Roads were closed due to high water from storm surge. All countywide beach access roads were closed. Heavy rain caused the flooding of Chocolate and Halls Bayous. There were four trees that were downed by wind. There was minor coastal flooding on the Bolivar Peninsula in Galveston County with some debris removal required off of State Highway 87. High surf caused erosion of Galveston Island beaches. Sand and debris washed up on the streets of various West End island communities. There was minor flooding damage to downstairs garages in Jamaica Beach with two temporarily closed roads. In Harris County, there was minor storm surge flooding in Shoreacres, Clear Lake Shores, and along Toddville Road in Seabrook. Two feet of water impacted Shoreacres when Taylor Bayou came out of banks. Parks in Nassau Bay also experienced minor storm surge flooding. In Chambers County, there were low lying rural roads that experienced minor coastal flooding.

High rainfall occurred near the core of Bill and also within its outer bands that tapped into higher moisture that fed back into the tropical storm. This high rainfall caused inland flooding. Storm total rainfall ranged from 1.38 inches in San Jacinto County to 13.78 inches in Ganado (Jackson County). In Jackson County, FM 1593 west of La Ward and State Highway 59 from Edna to the Wharton County line were closed. Flash flooding in Washington County caused road closures in the town of Brenham early in the morning of the 17th. In Grimes County, numerous roads were closed including FM 3090 north of Navasota and FM 1774 north of Plantersville. In Wharton County, several roads were closed in El Campo. In Colorado County, numerous roads were closed including FM 2761, FM 2434, and FM 532. In Houston County, Highway 287 near Crockett and SH 19 between Crockett and Lovelady were closed. In Walker County, there were ten county roads and a state highway that were flooded.

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<b>GRIMES COUNTY --- 5.5 E BEDIAS [30.78, -95.86], 0.5 NE NAVASOTA MUNI ARPT [30.37, -96.11], 3.0 SSW APOLONIA [30.41, -95.92], 6.7 E BEDIAS [30.77, -95.84]</b>				
	06/18/15 02:00 CST		0	Flash Flood (due to Heavy Rain)
	06/18/15 08:15 CST		0	Source: Law Enforcement
There were numerous roads closed and impassable across the eastern part of the county.				
<b>TRINITY COUNTY --- 2.0 NW TRINITY [30.95, -95.40], 1.5 SE TRINITY [30.91, -95.36], 1.3 NNE HELMIC [31.19, -94.98], 3.3 SSW CENTRALIA [31.21, -95.08]</b>				
	06/18/15 03:00 CST		0	Flash Flood (due to Heavy Rain)
	06/18/15 05:03 CST		0	Source: Law Enforcement
There was county wide street flooding.				
<b>HOUSTON COUNTY --- 2.9 NNE CROCKETT ARPT [31.34, -95.38], 2.8 SW CROCKETT [31.29, -95.48], 2.4 WSW LOVELADY [31.11, -95.46], 4.9 NE FODICE [31.22, -95.24]</b>				
	06/18/15 05:45 CST		0	Flash Flood (due to Heavy Rain)
	06/18/15 08:15 CST		0	Source: Law Enforcement
Parts of Highway 287 and Highway 19 south were flooded and impassable between Crockett and Pennington and Crockett and Lovelady, respectively.				
<b>WALKER COUNTY --- 4.5 N CRABBS PRAIRIE [30.81, -95.66], 0.8 ESE COUNTRY CAMPUS [30.81, -95.44], 2.3 NW NEW WAVERLY [30.55, -95.53], 4.5 WNW EAST SANDY [30.60, -95.65]</b>				
	06/18/15 05:45 CST		0	Flash Flood (due to Heavy Rain)
	06/18/15 08:15 CST		0	Source: Emergency Manager
There were numerous roads that were flooded and impassable in and around the Huntsville area.				
<b>Training bands of thunderstorms fired up along the trailing remnants of Tropical Storm Bill as it moved through Oklahoma.</b>				
<b>HARRIS COUNTY --- 2.9 E HUFSMITH [30.12, -95.55]</b>				
	06/20/15 14:00 CST		5K	Thunderstorm Wind (EG 50 kt)
	06/20/15 14:00 CST		0	Source: Public
Thunderstorm winds downed trees and caused power outages in the Londonderry neighborhood.				
<b>A pulse severe thunderstorm produced some wind damage.</b>				
<b>HARRIS COUNTY --- 1.3 SSW HOUSTON WEISER ARPT [29.91, -95.64], 2.6 SW FAIRBANKS [29.83, -95.56], 3.8 S BAMMEL [29.95, -95.48], 4.3 SSE ORR [29.98, -95.54]</b>				
	06/27/15 21:15 CST		0	Flash Flood (due to Heavy Rain)
	06/28/15 06:45 CST		0	Source: Public
There was street flooding in and around the Jersey Village area. The flooded roadways included Highway 6 in Huffmeister and at SH 249 and Beltway 8.				
<b>HARRIS COUNTY --- 2.3 NE SATSUMA [29.94, -95.59]</b>				
	06/27/15 22:45 CST		40K	Lightning
	06/27/15 22:45 CST		0	Source: Newspaper
A lightning strike bounced off a large oak tree and hit a garage at a home near the intersection of Possum Hollow and Woodedge . The garage and the car inside were a total loss.				
<b>HARRIS COUNTY --- 1.4 WSW HOUSTON LAKESIDE ARP [29.81, -95.69]</b>				
	06/27/15 22:59 CST		15K	Lightning
	06/27/15 22:59 CST		0	Source: Newspaper
A lightning strike caused an attic fire at an apartment complex. One unit received smoke damage and two other units received water damage.				
<b>WALLER COUNTY --- 8.0 N WALLER [30.16, -95.90], 7.4 N WALLER [30.16, -95.90], 7.5 NNE WALLER [30.16, -95.89], 8.1 NNE WALLER [30.16, -95.89]</b>				
	06/28/15 05:00 CST		0	Flash Flood (due to Heavy Rain)
	06/28/15 06:30 CST		0	Source: State Official

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There was flooding that lead to road closures in and around the intersection of FM 1488 and Hegar Road.				
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<b>LIBERTY COUNTY --- 2.8 NW PLUM GROVE [30.23, -95.10], 2.8 SE KEVIN [30.24, -95.09], 3.1 NNW PLUM GROVE [30.24, -95.09], 2.5 NNW PLUM GROVE [30.23, -95.09]</b>	06/28/15 05:45 CST		0	Flash Flood (due to Heavy Rain)
	06/28/15 06:30 CST		0	Source: State Official

There was water over FM 1010 just north of the town of Plum Grove.

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<b>MONTGOMERY COUNTY --- 1.4 SW MIDLINE [30.26, -95.14], 2.0 SW MIDLINE [30.26, -95.15], 1.7 SSW MIDLINE [30.26, -95.14], 1.2 SSW MIDLINE [30.26, -95.14]</b>	06/28/15 05:45 CST		0	Flash Flood (due to Heavy Rain)
	06/28/15 06:30 CST		0	Source: State Official

High rainfall caused flooding around the Splendora area. There was two feet of water on Kingport Road northeast of town.

**A slow southward sagging cold front interacted with the sea breeze boundary and numerous outflow boundaries from earlier activity to produce late evening through overnight showers and thunderstorms that produced very heavy rainfall that caused some flash flooding. Also, lightning strikes damaged a couple of structures.**

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<b>HARRIS COUNTY --- 1.4 N GENOA ARPT [29.65, -95.20], 2.0 SSW DYERSDALE [29.87, -95.24], 0.3 N EUREKA SPGS [29.80, -95.47], 1.6 E WINCHESTER [29.62, -95.45]</b>	06/30/15 17:00 CST		50K	Flash Flood (due to Heavy Rain)
	06/30/15 18:15 CST		0	Source: Broadcast Media

Numerous roadways were flooded and impassable in and around the city of Houston.

**Storms moving in from the Gulf produced high rainfall rates that lead to inland flash flooding.**