

## Storm Data and Unusual Weather Phenomena - October 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### GULF OF MEXICO

**HIGH IS TO FREEPORT TX OUT 20NM COUNTY --- 7.7 NNE SAN LUIS PASS [29.17, -94.96]**

	10/24/15 12:55 CST	0	0	Waterspout
	10/24/15 13:00 CST	0	0	Source: Public

The waterspout was reported off the Galveston Island coast near the town of Jamaica Beach.

A developing surface low off the middle Texas coastline tapped into the moisture from the remnants of Hurricane Patricia. As this low moved up the upper Texas coast it produced moderate to heavy rainfall that lead to southeastern Texas flooding. Within a better sheared downstream environment, isolated storms that formed along this low's leading warm frontal boundary produced tornadoes and waterspouts. In addition to the heavy rainfall, strong east northeast winds over much of the week resulted in minor coastal flooding along western Galveston Bay.

### TEXAS, Central Southeast

**BRAZORIA COUNTY --- 5.4 WNW PEARLAND [29.60, -95.36], 5.5 WNW PEARLAND [29.60, -95.36]**

	10/24/15 08:14 CST	20K	0	Tornado (EF0, L: 0.57 mi , W: 30 yd)
	10/24/15 08:19 CST	0	0	Source: County Official

The tornado damaged the metal roof of a large business south of Beltway 8 west of Cullen Blvd. The damage path extended north of Beltway 8 into the Brunswick Place subdivision.

**MATAGORDA COUNTY --- 1.4 W COLLEGEPORT [28.72, -96.20], 0.9 N PALACIOS [28.71, -96.22], 0.3 NNW PALACIOS [28.70, -96.22], 1.4 WSW COLLEGEPORT [28.71, -96.20]**

	10/24/15 13:15 CST	0	0	Flash Flood (due to Heavy Rain)
	10/24/15 21:15 CST	0	0	Source: Law Enforcement

There were flooded roadways along East Bayshore Drive as well as on the 700 block of Moore towards Main Street. 30 to 40 percent of the cities' roads were flooded going into the early evening hours.

**BRAZOS COUNTY --- 0.8 SSW BRYAN COULTER ARPT [30.71, -96.33], 2.3 SSE BRYAN [30.64, -96.36], 1.2 W BRYAN [30.67, -96.39], 1.2 WNW BRYAN COULTER ARPT [30.73, -96.35]**

	10/24/15 18:00 CST	0	0	Flash Flood (due to Heavy Rain)
	10/24/15 21:00 CST	0	0	Source: Law Enforcement

Flooding was reported throughout the town of Bryan. Five inches of water were reported flowing over Hooper Street with flooding reported in City, Municipal and Williamson Parks.

**BURLESON COUNTY --- 0.5 E CALDWELL MUNI ARPT [30.52, -96.69], 0.7 NW CALDWELL MUNI ARPT [30.53, -96.71], 0.8 WNW CALDWELL MUNI ARPT [30.53, -96.71], 0.3 SE CALDWELL MUNI ARPT [30.52, -96.70]**

	10/24/15 18:00 CST	0	0	Flash Flood (due to Heavy Rain)
	10/24/15 21:00 CST	0	0	Source: Law Enforcement

Flooding was reported in Caldwell.

**HARRIS COUNTY --- 3.2 WNW KATY [29.83, -95.84], 1.4 ENE STAFFORD [29.63, -95.55], 2.6 NNE CHAMELVIEW [29.81, -95.12], 1.7 ENE BAMMEL [30.01, -95.45]**

	10/24/15 18:00 CST	0	0	Flash Flood (due to Heavy Rain)
	10/25/15 02:00 CST	0	0	Source: Local Official

There was widespread flooding around the city of Houston. There were numerous reports of flooded and impassable roadways with submerged vehicles. Vehicles were submerged near Fondren Road and the Highway 59 southwest freeway as well as in the Galleria area. The Katy exit ramp to the north freeway was closed due to high water. Interstate 45 at North Shepherd had two feet of water flowing across all lanes. Highway 59 at the 610 Loop interchange was closed due to high water. There was also high water reported over Clay Road at North Eldridge in Bear Creek Pioneers Park that was blocking traffic. Sections of Memorial Drive near Bagby Street were closed due to high flood waters. All entrances to downtown Houston off of Interstate 45 were closed due to high water over the roadways. Eastbound Interstate 10 was closed due to high water near White Oak Bayou.

**WASHINGTON COUNTY --- 2.3 NW GAY HILL [30.29, -96.53], 2.1 NW GAY HILL [30.29, -96.52], 1.8 NW GAY HILL [30.29, -96.52], 1.9 WNW GAY HILL [30.29, -96.53]**

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	10/24/15 18:00 CST		0	Flash Flood (due to Heavy Rain)
	10/24/15 21:00 CST		0	Source: Law Enforcement

Flood waters were inundating the Rehburg Road and FM 1948 intersection.

### (TX-Z237) BRAZORIA

10/25/15 05:30 CST	0	Coastal Flood
10/25/15 10:00 CST	0	

The remnants of Hurricane Patricia merged with a developing frontal low to produce an intense surface low off the Texas Gulf Coast. As this low moved up the upper Texas coast it produced moderate to heavy rainfall that broad flooding to some areas, an isolated tornado and waterspout, and minor coastal flooding due to elevated stormtides.

### BURLESON COUNTY --- 8.0 W CALDWELL [30.53, -96.81]

10/30/15 11:52 CST	0	Funnel Cloud
10/30/15 11:54 CST	0	Source: Law Enforcement

A funnel cloud was reported near FM 908 and FM 316.

A moist and unstable air mass was conducive for the formation of a funnel cloud.

### (TX-Z238) GALVESTON

10/31/15 00:00 CST	0	Coastal Flood
10/31/15 08:00 CST	0	

### HARRIS COUNTY --- 3.6 E FRIENDSWOOD [29.52, -95.36], 4.2 SSE ORR [29.98, -95.54], 0.8 NW HUMBLE [30.01, -95.26], 4.0 ENE BARRETT [29.88, -95.00], 1.6 NE GENOA ARPT [29.64, -95.18]

10/31/15 02:30 CST	2	0	Flash Flood (due to Heavy Rain)
10/31/15 12:00 CST		0	Source: NWS Employee

There was widespread flooding across the city of Houston and surrounding areas. The worst flooding occurred across eastern and southern Houston and towns north and east of the city. Numerous roadways were flooded including all main lanes of Highway 288 north of Brays Bayou. High rainfall rates caused Brays Bayou to go out of banks and inundate the Lawndale Wayside part of eastern Houston. Four to five feet of water flowed over North Macgregor Way between Merry Lane and Wildwood Way. High water rescues were conducted by the fire department with a half a foot of water entering Fire Station 26 in southeast Houston near Telephone and Belfort Streets. Highway 59 at Will Clayton Parkway south of Humble was impassable due to high water. Approximately 40 homes were flooded in the Cloverleaf subdivision near Interstate 10 and Beltway 8. Hunting Bayou went out of banks and flooded neighboring homes. High water rescues were performed on Autumnwood and Wood Shadows Drives near Hunting Bayou. A shopping district and surrounding parking lots were flooded in the Crosby and Barrett areas.

Direct Fatalities: U????, U????

### FORT BEND COUNTY --- 1.7 NE HOBBY [29.60, -95.46], 0.6 NNE MISSOURI CITY [29.63, -95.53], 2.9 SW CLODINE [29.67, -95.72], 4.1 NNW RICHMOND [29.64, -95.76], 1.8 ENE RICHMOND [29.59, -95.72], 2.6 NW ARCOLA [29.53, -95.50]

10/31/15 06:00 CST	0	Flash Flood (due to Heavy Rain)
10/31/15 11:00 CST	0	Source: Trained Spotter

There were flood waters in homes in the Mayfair Park area with flooding occurring on Maywood Street and Arthington Avenue. The roadway was closed at Highway 99 and West Belfort Street in Pecan Grove due to high water. The southbound lanes of the Fort Bend Parkway were closed due to high water east of Lake Olympia.

### LIBERTY COUNTY --- 3.0 NW DAYTON [30.08, -94.92], 2.9 SE DAYTON SEABERG ARPT [29.99, -94.89], 0.9 WSW AMES [30.04, -94.76], 1.7 NE LIBERTY [30.09, -94.78]

10/31/15 06:50 CST	0	Flash Flood (due to Heavy Rain)
10/31/15 11:00 CST	0	Source: Broadcast Media

High rainfall rates created flooding in both towns of Dayton and Liberty. The underpass at the intersection of US Highway 90 and FM 321, along with other streets in Dayton, were closed due to high water. The city of Liberty reported flood waters in six homes with numerous road closures due to high water.

### BURLESON COUNTY --- 8.0 W CALDWELL [30.53, -96.81]

10/31/15 11:52 CST	0	Funnel Cloud
10/31/15 11:52 CST	0	Source: Law Enforcement

The funnel cloud was sighted near FM 316 and FM 908.

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A strong upper level storm system, combined with high moisture levels to produce a bands of excessive rainfall that caused flash flooding across Fort Bend, Harris and Liberty Counties. Thunderstorms rapidly developed shortly after midnight on the 31st over Matagorda and Fort Bend Counties and moved into Harris County around 1:00 a.m. The thunderstorms trained or moved over the same areas between 1:00 a.m. and 4:00 a.m. with significant rainfall occurring over the southwest and south-central portions of Harris County into the east-central part of the county. After a brief break between 5:00 a.m. and 8:00 a.m. an additional round of thunderstorms slowly moved across Harris County from west to east producing additional heavy rainfall and worsening ongoing flooding conditions. Saturated grounds from previous heavy rainfall the week before coupled with intense short term rainfall rates resulted in widespread flooding. There was one confirmed flood related death and one possible flood related death.

**BRAZORIA COUNTY --- 0.9 WSW JONES CREEK [28.97, -95.44], 0.8 NNW JONES CREEK [28.98, -95.44]**

10/31/15 02:29 CST			50K	Tornado (EF1, L: 1.20 mi , W: 40 yd)
10/31/15 02:34 CST			0	Source: NWS Storm Survey

A small EF-1 tornado moved from a wildlife management area one mile southwest south of Jones Creek where it uprooted several large trees. The tornado then crossed Highway 36 and severely damaged a mobile home just north of the roadway. The tornado caused minor damage for approximately a mile toward the northeast before reaching the Brazos River, or one mile northeast of Jones Creek. Estimated peak wind speed was 90 mph.

**BRAZORIA COUNTY --- 1.0 WSW LAKE JACKSON [29.04, -95.46], 0.3 NNW LAKE JACKSON [29.05, -95.45]**

10/31/15 03:04 CST			50K	Tornado (EF0, L: 1.00 mi , W: 40 yd)
10/31/15 03:07 CST			0	Source: NWS Storm Survey

A weak EF-0 tornado tracked from a subdivision south of the Brazos Mall knocking down fences and shallow rooted trees. The tornado then tracked across Hobby Lobby and the eastern end of the mall where it caused roof damage. Estimated peak wind speed was 85 mph.

**BRAZORIA COUNTY --- 1.0 S LIVERPOOL [29.29, -95.28], 0.2 SE LIVERPOOL [29.30, -95.28]**

10/31/15 03:19 CST			50K	Tornado (EF0, L: 0.92 mi , W: 40 yd)
10/31/15 03:21 CST			0	Source: NWS Storm Survey

An EF-0 tornado touched down in a field south of Liverpool and damaged a cattle handling area. The tornado tracked into the town of Liverpool and produced minor damage to trees and structures. The tornado lifted north of town. The estimated peak wind was 80 mph.

**BRAZORIA COUNTY --- 2.1 NE ANGLETON BAILES ARPT [29.20, -95.38], 1.6 NW DANBURY [29.25, -95.37]**

10/31/15 03:23 CST			0.20M	Tornado (EF0, L: 3.69 mi , W: 50 yd)
10/31/15 03:30 CST			0	Source: NWS Storm Survey

The EF-1 tornado severely damaged a farm house and barn then flipped three trailers over at an RV park before weakening . Estimated peak wind was 90 mph.

**BRAZORIA COUNTY --- 2.3 E MANVEL [29.47, -95.31], 2.4 ENE MANVEL [29.48, -95.31]**

10/31/15 04:21 CST			50K	Tornado (EF1, L: 0.21 mi , W: 40 yd)
10/31/15 04:24 CST	3		0	Source: NWS Storm Survey

The EF-1 tornado tracked along Wink Road between Alvin and Manvel . The tornado injured three people as it destroyed one mobile home and damaged several other mobile homes. The estimated peak wind was 100 mph.

**BRAZORIA COUNTY --- 3.2 SW HASTINGS [29.47, -95.27], 2.3 SW HASTINGS [29.48, -95.26]**

10/31/15 04:21 CST			0.20M	Tornado (EF1, L: 0.93 mi , W: 30 yd)
10/31/15 04:24 CST	2		0	Source: NWS Storm Survey

The EF-1 tornado tracked along a trailer park in Alvin where it damaged fifteen to twenty trailers and overturned one trailer . An elderly couple sustained injuries in the overturned trailer. The estimated peak wind was 90 mph.

**BRAZORIA COUNTY --- 0.8 NNW HASTINGS [29.51, -95.23], 4.2 E PEARLAND ARPT [29.56, -95.20]**

10/31/15 04:27 CST			2M	Tornado (EF2, L: 3.86 mi , W: 50 yd)
10/31/15 04:35 CST			0	Source: NWS Storm Survey

The EF-2 tornado touched down just east of Clover Field Airport (Brazoria County) and continued on a narrow northeast track into Galveston County. This tornado expanded in size and weakened in intensity as it approached FM 518 over the last half of its track. There was extensive tree damage along the entire track. Homes sustained partial roof loss and tree damage consistent with an EF-1 rating from east of the airport through Sunset Drive in Friendswood (Galveston County). Low-end EF-2 damage occurred on Chester Drive in Friendswood where there was complete loss of a residential home's roof. Estimated peak wind was 115 mph.

**HARRIS COUNTY --- 4.6 N BAYTOWN HUMPHREY ARP [29.85, -94.96], 4.8 N BAYTOWN HUMPHREY ARP [29.85, -94.95]**

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	10/31/15 04:30 CST		20K	Tornado (EF0, L: 0.21 mi , W: 50 yd)
	10/31/15 04:32 CST		0	Source: County Official

The EF-0 tornado caused minor roof damage to a home and snapped numerous tree trunks half way up. The tornado also rolled two RV campers. The estimated peak wind was 80 mph.

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**HARRIS COUNTY --- 2.9 NNE ELLINGTON FIELD [29.64, -95.11], 1.2 NW STRANG [29.69, -95.06]**

	10/31/15 04:40 CST		12M	Tornado (EF2, L: 4.76 mi , W: 150 yd)
	10/31/15 04:55 CST		0	Source: NWS Storm Survey

An EF-2 tornado began near the Genoa Red Bluff and Red Bluff intersection in Pasadena and ended near the Spencer Highway and Myrtle Creek Drive intersection

in La Porte. The tornado caused extensive tree, fence and power line damage. Low end EF-2 damage was observed where the tornado demolished an industrial building and caused significant roof loss to several homes in La Porte. One of these homes lost a portion of an exterior brick wall. The estimated peak wind was 125 mph.

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**HARRIS COUNTY --- 0.1 NE ELLINGTON FIELD [29.60, -95.13], 0.6 NNE ELLINGTON FIELD [29.61, -95.13]**

	10/31/15 04:45 CST		75K	Tornado (EF0, L: 0.76 mi , W: 30 yd)
	10/31/15 04:46 CST		0	Source: NWS Storm Survey

A brief EF-0 tornado caused damage to homes near the intersection of Clear Lake City Boulevard and El Dorado Boulevard. The estimated peak wind was 85 mph.

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**HARRIS COUNTY --- 1.7 WNW HIGHLANDS [29.83, -95.08], 1.0 E BARRETT [29.87, -95.05]**

	10/31/15 06:02 CST		0.20M	Tornado (EF0, L: 3.30 mi , W: 50 yd)
	10/31/15 06:04 CST		0	Source: NWS Storm Survey

An EF-0 tornado began in the Rio Villa subdivision along the San Jacinto River where several homes received minor roof damage. The tornado damage ended near Evangeline street in Barrett where there was mainly tree and power line damage. The estimated peak wind was 75 mph.

**Tornadoes formed along a near coastal county warm frontal boundary that was downstream of a central Texas cold front.**