

## Storm Data and Unusual Weather Phenomena - September 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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**TEXAS, Central Southeast**

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<b>GALVESTON COUNTY --- 0.6 N LA MARQUE [29.38, -94.97]</b>				
	09/05/14 10:52 CST		0	Funnel Cloud
	09/05/14 10:53 CST		0	Source: Law Enforcement

A funnel cloud was sighted near the intersection of FM 1765 and Highway 3.

<b>GALVESTON COUNTY --- 2.2 NNW VIRGINIA PT [29.33, -94.93]</b>				
	09/05/14 10:53 CST		0	Funnel Cloud
	09/05/14 10:54 CST		0	Source: Law Enforcement

A funnel cloud was sighted near the intersection of Interstate 45 and Highway 6.

<b>GALVESTON COUNTY --- 0.1 SW TEXAS CITY [29.40, -94.90]</b>				
	09/05/14 11:03 CST		0	Funnel Cloud
	09/05/14 11:05 CST		0	Source: Law Enforcement

A funnel cloud was sighted near Blocker Middle School.

**A very moist and unstable late morning near coastal air mass generated scattered thunderstorms that produced funnel clouds.**

<b>GALVESTON COUNTY --- 1.8 W LEAGUE CITY S S ARPT [29.48, -95.16]</b>				
	09/07/14 12:22 CST		0	Hail (0.75 in)
	09/07/14 12:23 CST		0	Source: Trained Spotter

Dime sized hail was observed in the Westover Park subdivision of League City.

**Daytime heating within a moist and unstable air mass allowed for the isolated development of near coastal storms. The strongest of these storms produced three quarter inch in diameter hail.**

<b>GALVESTON COUNTY --- 0.9 SE SAN LEON ELLIS ARPT [29.49, -94.94]</b>				
	09/09/14 10:26 CST		0	Funnel Cloud
	09/09/14 10:27 CST		0	Source: Fire Department/Rescue

A funnel cloud moved northward across the north side of San Leon.

**A moist and conditionally unstable late morning air mass was conducive for the formation of a funnel cloud along Galveston Bay's western shore.**

<b>GALVESTON COUNTY --- 0.9 WSW LEAGUE CTY SPCLND AR [29.49, -95.06]</b>				
	09/12/14 08:47 CST		0	Funnel Cloud
	09/12/14 08:47 CST		0	Source: Law Enforcement

A funnel cloud was sighted near the intersection of FM 96 and Egret Bay Boulevard.

**Higher Gulf of Mexico moisture being brought onshore by an easterly wave initiated areas of thunderstorms. Isolated storms displayed weak rotation and produced funnel clouds.**

<b>BRAZOS COUNTY --- 1.8 ENE BRYAN [30.68, -96.34], 2.6 WNW HARVEY [30.66, -96.32], 1.1 NW (CLL)EASTERWD FLD CO [30.59, -96.38], 3.3 SE SMETANA [30.61, -96.41]</b>				
	09/12/14 20:10 CST		3K	Flash Flood (due to Heavy Rain)
	09/12/14 21:40 CST		0	Source: Law Enforcement

Flash flooding occurred in and around the Bryan and College Station areas. Water reached up to cars near the intersection of East Villa Maria Road and Rustling Oaks Drive, and there was high water near the intersection of South College Avenue and Davis Street .

**Deep tropical moisture in combination with a slowly southward moving cold front helped to generate numerous showers and thunderstorms that produced heavy rainfall and flooding in and around the Bryan and College Station areas. A record rainfall total of 4.26 inches was set for the date at KCLL.**

<b>FORT BEND COUNTY --- 2.7 E TRAMMELLS [29.52, -95.51]</b>				
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	09/16/14 12:55 CST		0	Funnel Cloud
	09/16/14 12:55 CST		0	Source: Trained Spotter
A funnel cloud was sighted south of the Fort Bend Toll Road at Highway 6.				
<b>WHARTON COUNTY --- 4.9 NNE DANEVANG [29.13, -96.18]</b>				
	09/16/14 14:02 CST		0	Funnel Cloud
	09/16/14 14:02 CST		0	Source: Emergency Manager
A funnel cloud was sighted near the intersection of FM 414 and FM 1162 just to the southeast of El Campo.				
<b>Thunderstorms that focused along a mid-level boundary within a very moist and unstable early afternoon air mass, along with a vicinity tropical wave, exhibited enough weak rotation to produce funnel clouds.</b>				
<b>HARRIS COUNTY --- 1.4 NNE HOUSTON HGTS [29.77, -95.39], 1.5 NNE HOUSTON HGTS [29.77, -95.39], 1.3 NNE HOUSTON HGTS [29.77, -95.39], 1.3 NNE HOUSTON HGTS [29.77, -95.39]</b>				
	09/16/14 16:10 CST		0	Flash Flood (due to Heavy Rain)
	09/16/14 16:40 CST		0	Source: Emergency Manager
Water flowing over Washington Avenue and Memorial Heights Blvd closed Washington Avenue.				
<b>A highly moist air mass streaming in from a Pacific moisture plume, along with southwestern disturbances originating from western Pacific Hurricane Odile, initiated numerous areas of rain with embedded thunderstorms. Localized cells produced high rainfall rates over Houston that caused urban flooding.</b>				
<b>WHARTON COUNTY --- 1.1 WSW WHARTON [29.32, -96.12]</b>				
	09/17/14 12:36 CST		0	Funnel Cloud
	09/17/14 12:36 CST		0	Source: Emergency Manager
Two funnel clouds were sighted over the west side of the city of Wharton.				
<b>Funnel clouds formed within a near coastal warm, moist and unstable early afternoon air mass.</b>				
<b>HARRIS COUNTY --- 2.3 WSW CYPRESS [29.95, -95.73], 1.9 NNW MANCHESTER [29.75, -95.28], 0.4 NE STAFFORD [29.62, -95.56], 1.9 SE DELHI [29.76, -95.75]</b>				
	09/18/14 08:30 CST		25K	Flash Flood (due to Heavy Rain)
	09/18/14 12:30 CST		0	Source: Emergency Manager
Numerous locations from the Cypress area to the Sugar Land area to the Houston area were flooded, including the corner of Westheimer Road and Fountain View Drive, George Bush State Park in the Cinco Ranch area, the Cypress area, the left exit lane of 610 South Loop West, parts of Eldridge Parkway, portions of Hidalgo Street near the Galleria area, parts of the Fairwood subdivision, the intersection of Bering Drive and Richmond Avenue, the Interstate 610 East Loop and Clinton Drive, Old Katy Road near the Hillshire Village area, and the 13600 block of FM 1092 near Stafford. The heavy rainfall did cause an old oak tree to collapse in Hunters Creek Village.				
<b>SAN JACINTO COUNTY --- 2.1 NNE LIBERTY HILL [30.55, -95.16], 11.0 S LIBERTY HILL [30.36, -95.15], 5.4 S NAPIER [30.42, -95.00], 1.3 WSW URBANA [30.54, -94.99]</b>				
	09/18/14 10:00 CST		2K	Flash Flood (due to Heavy Rain)
	09/18/14 13:10 CST		0	Source: Law Enforcement
Flooded roads were reported near the intersection of FM 2025 and FM 2666, FM 2025 and FM 945, Oak Forest Boulevard, and southbound lanes of US Highway 59 between Shepherd and Old Truck Stop.				
<b>GALVESTON COUNTY --- 1.0 W LEAGUE CITY S S ARPT [29.48, -95.15], 1.7 NW LEAGUE CITY S S ARPT [29.50, -95.15], 1.5 NE LEAGUE CITY [29.51, -95.08], 1.6 WSW LEAGUE CTY SPCLND AR [29.49, -95.07]</b>				
	09/18/14 12:30 CST		0	Flash Flood (due to Heavy Rain)
	09/18/14 14:15 CST		0	Source: Emergency Manager
Several League City area roads were flooded with water as deep as 5 to 8 inches.				
<b>LIBERTY COUNTY --- 1.0 WSW CLEVELAND [30.35, -95.12], 1.8 E EXCELSIOR [30.32, -95.09], 2.8 ESE CLEVELAND [30.34, -95.05], 1.5 NE CLEVELAND [30.37, -95.08]</b>				
	09/18/14 12:30 CST		0	Flash Flood (due to Heavy Rain)
	09/18/14 13:10 CST		0	Source: Emergency Manager

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Various streets are flooded in and around the Cleveland area.

**A vicinity western shortwave disturbance provided enough lift within a very moist and unstable late morning through afternoon air mass to produce clustering thunderstorms. Weak steering flow allowed for the slow movement of storm clusters that ultimately generated regional flash flooding.**

**AUSTIN COUNTY --- 1.8 W SEALY [29.78, -96.18]**

	09/18/14 15:53 CST	0	Funnel Cloud
	09/18/14 15:53 CST	0	Source: NWS Employee

The family of a National Weather Service employee saw a brief funnel cloud that extended half way to the ground.

**An inland funnel cloud was sighted as a warm and moist air mass became increasingly unstable during the afternoon hours.**

**MONTGOMERY COUNTY --- 3.8 ESE EGYPT [30.20, -95.51], 3.4 E EGYPT [30.23, -95.51], 3.2 NNE TAMINA [30.22, -95.40], 1.7 NE TAMINA [30.20, -95.41]**

	09/19/14 05:30 CST	0	Flash Flood (due to Heavy Rain)
	09/19/14 09:30 CST	0	Source: County Official

Flooding caused road closures near River Oaks Drive and around Capstone Circle.

**FORT BEND COUNTY --- 1.9 NE SUGARLAND [29.64, -95.60], 1.4 E SUGARLAND [29.62, -95.61], 1.4 WNW STAFFORD [29.63, -95.59], 1.8 NW STAFFORD [29.64, -95.59]**

	09/19/14 07:15 CST	0	Flash Flood (due to Heavy Rain)
	09/19/14 09:15 CST	0	Source: Law Enforcement

Flooding was reported on Corporate and Executive and Fountain Lake and Exchange Drives.

**HARRIS COUNTY --- 1.4 SW HOUSTON LAKESIDE ARP [29.81, -95.69], 0.9 SSW HOUSTON HGTS [29.74, -95.40], 1.5 WNW PIERCE JCT [29.68, -95.42], 3.5 SE DELHI [29.74, -95.74], 1.5 WSW KATY [29.80, -95.83]**

	09/19/14 07:30 CST	1K	Flash Flood (due to Heavy Rain)
	09/19/14 09:15 CST	0	Source: Emergency Manager

Flooding was reported from just east of the Katy area to the Bellaire area. Flooded areas included Saums Road near the the intersection of both Barker Cypress Road and Greenhouse Road, the intersection of Fondren Road and Bissonnet Street, the Cullen Park area, the Avenue D area between First Street and Sixth Street, the intersection of Gerner Road and U.S. Highway 59, and Richmond Avenue in the Galleria area.

**Slow moving storm clusters focused along a mid-level boundary generated copious rain accumulations. High rainfall rates falling upon precedent saturated grounds exacerbated regional flash flooding.**