

Storm Data and Unusual Weather Phenomena - July 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GULF OF MEXICO				
HIGH IS TO FREEPORT TX OUT 20NM COUNTY --- 7.4 SW HIGH IS [29.51, -94.50]				
	07/03/14 16:12 CST		0	Marine Thunderstorm Wind (MG 41 kt)
	07/03/14 16:12 CST		0	Source: Mesonet
The wind gust was measured at Rollover Pass.				
A strong thunderstorm produced gusty winds around Rollover Pass.				
HIGH IS TO FREEPORT TX OUT 20NM COUNTY --- 18.6 ENE FREEPORT [29.08, -95.06]				
	07/06/14 10:30 CST		0	Waterspout
	07/06/14 10:30 CST		0	Source: Broadcast Media
A waterspout was sighted off the coast.				
A waterspout was sighted off the coast around Jamaica Beach.				
HIGH IS TO FREEPORT TX OUT 20NM COUNTY --- 6.0 NE NORTH JETTY [29.43, -94.66]				
	07/16/14 10:20 CST		0	Waterspout
	07/16/14 10:30 CST		0	Source: Law Enforcement
A waterspout was reported off the Bolivar Peninsula coastline.				
A moist and unstable tropical air mas was primed for the formation of offshore waterspouts.				
TEXAS, Central Southeast				
HARRIS COUNTY --- 2.8 SW FAIRBANKS [29.82, -95.57], 1.2 WNW HERMOSSEY [29.79, -95.57], 1.2 NNE SPRING VLY [29.79, -95.49], 1.6 NNE SPRING BRANCH [29.82, -95.51]				
	07/03/14 16:20 CST		5K	Flash Flood (due to Heavy Rain)
	07/03/14 17:25 CST		0	Source: Trained Spotter
Heavy rain caused several streets to flood in and around the Spring Branch area.				
Atmospheric conditions, with the collision of outflow boundaries originating from previous storms, created an environment conducive to the formation of slow-moving clusters of thunderstorms. Heavy rainfall from this activity caused street flooding on the west side of Houston.				
BURLESON COUNTY --- 0.8 WNW CALDWELL [30.53, -96.69]				
	07/04/14 18:44 CST		0	Hail (1.00 in)
	07/04/14 18:44 CST		0	Source: Public
Quarter size hail was reported in the town of Caldwell.				
The focus of an approaching northeastern frontal boundary, sea breeze, and residual outflow boundaries from prior convection, within a warm moist and unstable air mass, produced scattered thunderstorm activity.				
FORT BEND COUNTY --- 4.0 SSW KATY [29.75, -95.83]				
	07/05/14 13:05 CST		5K	Thunderstorm Wind (EG 50 kt)
	07/05/14 13:05 CST		0	Source: Trained Spotter
A few small to medium size trees were downed by a thunderstorm wind gust.				
Various residual outflow boundaries within a heated and moist environment, interacting with the inland moving sea breeze boundary, created a situation favorable for the development of scattered interior thunderstorms. There were isolated severe thunderstorms.				
BRAZORIA COUNTY --- 0.5 SSE ANGLETON CAMERON ARP [29.16, -95.45]				
	07/06/14 09:35 CST		0	Funnel Cloud
	07/06/14 09:40 CST		0	Source: Law Enforcement

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A funnel cloud was sighted near State Highway 35 just to the west of Angleton.				
BRAZORIA COUNTY --- 2.8 N ANGLETON [29.21, -95.43]				
	07/06/14 12:30 CST		0	Funnel Cloud
	07/06/14 12:34 CST		0	Source: Law Enforcement
A funnel cloud was sighted just to the north of Angleton.				
A couple of funnel clouds developed along inland moving convection.				
GALVESTON COUNTY --- 2.6 N PORT BOLIVAR [29.42, -94.79]				
	07/07/14 07:45 CST		0	Funnel Cloud
	07/07/14 07:48 CST		0	Source: Broadcast Media
A funnel cloud was sighted over Galveston Bay.				
HARRIS COUNTY --- 1.2 SW TOMBALL [30.09, -95.64]				
	07/07/14 18:13 CST		0	Hail (0.88 in)
	07/07/14 18:13 CST		0	Source: Public
Nickel size hail occurred at the corner of SH 249 and FM 2920.				
HARRIS COUNTY --- TOMBALL [30.10, -95.62]				
	07/07/14 18:20 CST		7K	Thunderstorm Wind (EG 55 kt)
	07/07/14 18:20 CST		0	Source: Broadcast Media
A severe thunderstorm downed trees and stripped part of a metal roof off of a building.				
HARRIS COUNTY --- 1.6 WSW KATY [29.79, -95.82]				
	07/07/14 18:55 CST		0	Heavy Rain
	07/07/14 18:55 CST		0	Source: Public
Heavy rain (an estimated three inches) from a slow moving thunderstorm produced localized street flooding. There was up to two feet of water over the road along Avenue D in Katy.				
A funnel cloud developed early in the morning, then isolated severe thunderstorms formed in the early evening hours.				
HARRIS COUNTY --- 0.8 NNW BELLAIRE [29.71, -95.48]				
	07/16/14 14:44 CST		0	Lightning
	07/16/14 14:44 CST	4	0	Source: Newspaper
Four people were sent to the hospital after being struck by lightning near Renwick Drive.				
A very warm and moist environment, with less upper level subsidence, allowed for the clustering of thunderstorms that produced afternoon lightning.				
BRAZOS COUNTY --- 2.5 NW COLLEGE STATION [30.63, -96.36], 1.3 NW COLLEGE STATION [30.61, -96.34], 1.7 WSW HARVEY [30.64, -96.31], 2.4 W HARVEY [30.65, -96.32]				
	07/17/14 20:35 CST		50K	Flash Flood (due to Heavy Rain)
	07/17/14 22:30 CST		0	Source: Law Enforcement
Heavy rains caused area roads to flood in and around the College Station area, including portions of SH 6 and Tauber Road. Some water rescues were reported along with water in some cars and homes.				
TRINITY COUNTY --- 1.3 NE APPLE SPGS [31.23, -94.93], 2.9 E CENTRALIA [31.25, -95.00], 2.9 SSE CENTRALIA [31.21, -95.04], 0.5 NW HELMIC [31.18, -94.99]				
	07/17/14 20:40 CST		0	Flash Flood (due to Heavy Rain)
	07/17/14 23:45 CST		0	Source: Law Enforcement
Heavy rain caused flash flooding between Groveton and Apple Springs. Sections of FM 94 were under water, and some flooding was reported in and around the Apple Springs area.				

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WALKER COUNTY --- 10.0 SW HUNTSVILLE [30.62, -95.69], 3.0 ENE SAN JACINTO [30.64, -95.71], 0.7 NE SAN JACINTO [30.63, -95.74], 2.0 ESE SAN JACINTO [30.61, -95.72]				
	07/18/14 21:00 CST		5K	Flash Flood (due to Heavy Rain)
	07/18/14 22:00 CST		0	Source: Public
High water on roads SW of Huntsville. Public report of 7.99 inches of rain was received.				
A southern plains shortwave disturbance moving into a very moistened central and eastern Texas environment allowed clusters of central Texas thunderstorms to form and move eastward. These storms produced locally heavy rainfall that caused flash flooding across portions of southeast Texas.				
GALVESTON COUNTY --- 1.7 SSE GALVESTON [29.28, -94.80]				
	07/18/14 11:30 CST		0	Funnel Cloud
	07/18/14 11:32 CST		0	Source: Park/Forest Service
A funnel cloud was sighted on Galveston Island near the intersection of Seawall Blvd and 39th Street.				
A moist and unstable tropical air mass residing over coastal southeastern Texas was conducive to the formation of morning funnel clouds.				
GALVESTON COUNTY --- 1.5 E NADEAU HGTS [29.38, -94.91]				
	07/21/14 12:35 CST		15K	Tornado (EF0, L: 0.10 mi , W: 20 yd)
	07/21/14 12:45 CST		0	Source: Law Enforcement
An EF0 tornado briefly touched down at an oil refinery. There was minimal damage to one of the buildings, and one vehicle's window was shattered.				
Isolated to widely scattered thunderstorms formed within a humid and unstable air mass. One of these storms produced a weak tornado in Texas City that caused minimal damage.				
MATAGORDA COUNTY --- 0.9 N BAY CITY MUNI ARPT [28.98, -95.87]				
	07/23/14 12:05 CST		0	Thunderstorm Wind (EG 51 kt)
	07/23/14 12:05 CST		0	Source: Law Enforcement
A severe thunderstorm downed two trees along CR 142 to the south of Van Vleck.				
Early afternoon heating produced clusters of thunderstorms, with an isolated severe storm occurrence, in the vicinity of outflow boundaries.				
BRAZORIA COUNTY --- 3.3 WSW PETERSON LNDG [29.23, -95.28]				
	07/24/14 10:05 CST		0	Funnel Cloud
	07/24/14 10:08 CST		0	Source: Emergency Manager
A funnel cloud was sighted to the east of Danbury.				
BRAZORIA COUNTY --- 3.0 NNE BONNEY [29.36, -95.43]				
	07/24/14 11:24 CST		0	Funnel Cloud
	07/24/14 11:25 CST		0	Source: Trained Spotter
A funnel cloud was spotted just outside the town of Bonney.				
A coastal tropical air mass was the prime setting for the morning development of short-lived funnel clouds.				
SAN JACINTO COUNTY --- 0.6 E NAPIER [30.50, -94.99]				
	07/31/14 20:15 CST		25K	Heavy Rain
	07/31/14 21:15 CST		0	Source: Emergency Manager
A grocery store's roof collapsed due to heavy rainfall. Poor drainage flooding also reported on portions of route 59 feeder road.				
LIBERTY COUNTY --- 1.0 ESE CLEVELAND [30.34, -95.08]				
	07/31/14 21:10 CST		5K	Thunderstorm Wind (EG 50 kt)
	07/31/14 21:10 CST		0	Source: Law Enforcement
Thunderstorm winds downed a large tree that blocked FM 787 near the Annex Building.				

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HARRIS COUNTY --- 2.0 WNW BENDER [29.94, -95.33]

07/31/14 21:23 CST	0	Heavy Rain
07/31/14 22:23 CST	0	Source: Mesonet

There was high water observed near the intersection of Beltway 8 and JFK Boulevard.

Thunderstorms formed ahead of an approaching summer cold frontal boundary. Storms were enhanced by passing shortwave disturbances while interacting with outflow boundaries from sea breeze-initiated thunderstorms.