

Storm Data and Unusual Weather Phenomena - October 2014

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

LAGUNA MADRE FROM 5NM N OF PT MANSFIELD TO BAFFIN BAY TX COUNTY --- 6.9 NNW S BAFFIN BAY [27.30, -97.41]				
	10/31/14 08:54 CST		0	Marine Thunderstorm Wind (MG 35 kt)
	10/31/14 08:55 CST		0	Source: C-MAN Station

Baffin Bay TCOON station reported a wind gust of 35 knots.

LAGUNA MADRE FROM 5NM N OF PT MANSFIELD TO BAFFIN BAY TX COUNTY --- 28.1 SSW S BAFFIN BAY [26.80, -97.47]				
	10/31/14 09:12 CST		0	Marine Thunderstorm Wind (MG 42 kt)
	10/31/14 09:24 CST		0	Source: C-MAN Station

Rincon del San Jose TCOON site reported a maximum gust of 42 knots.

A cluster of convection associated with a frontal boundary moved south across the lower Texas coastal waters bringing strong and gusty winds of gale force.

TEXAS, South

CAMERON COUNTY --- 0.7 S LOS FRESNOS [26.06, -97.48], 4.5 ESE MONTE GRANDE [26.25, -97.45]				
	10/18/14 09:00 CST		0	Heavy Rain
	10/18/14 12:10 CST		0	Source: CoCoRaHS

Heavy rain fell across central and northern Cameron County during the morning hours, with several CoCoRaHS observers reporting rainfall totals between 2 and nearly 4 inches. 3.75 inches was reported just east of Rio Hondo.

CAMERON COUNTY --- 5.3 S (BRO)BROWNSVILLE ARP [25.84, -97.42], 0.8 NE MAUDLIN ARPT [25.98, -97.52]				
	10/18/14 16:35 CST		0	Heavy Rain
	10/18/14 17:45 CST		0	Source: CoCoRaHS

Scattered showers and thunderstorms brought heavy rainfall to southern Cameron County and the city of Brownsville. CoCoRaHS observers reported between 2 and 3.16 inches of rainfall across western and downtown Brownsville north to Cameron Park. Minor street flooding was reported near Price Road and Frontage Road and at the intersection of East 12th Street and East Elizabeth Street.

Rapidly deepening tropical moisture combined with the convergence of low level southerly with easterly flow along and near the coast to produce scattered showers and thunderstorms. The precipitation began just before dawn and persisted through the early afternoon; when finished, between 2 and nearly 4 inches had fallen between Brownsville and Rio Hondo. The on again, off again rain produced nuisance minor flooding.

CAMERON COUNTY --- 5.4 SSE (BRO)BROWNSVILLE ARP [25.85, -97.39], 1.0 ESE LOS CUATES [26.09, -97.61]				
	10/22/14 06:20 CST		0	Heavy Rain
	10/22/14 08:30 CST		0	Source: CoCoRaHS

Numerous reports of heavy rainfall was reported by CoCoRaHS observers. Totals ranged from 2 inches to 4.15 inches. The heavy rainfall brought widespread nuisance flooding, especially in poor drainage and low lying areas. Numerous roads and intersections were impacted.

CAMERON COUNTY --- 1.4 SSE BROWNSVILLE [25.90, -97.49], 0.4 SSW PORTWAY ACRES [25.92, -97.47], 1.1 NE BROWNSVILLE [25.93, -97.49], 1.3 W BROWNSVILLE [25.92, -97.52]				
	10/22/14 07:00 CST		0	Flash Flood (due to Heavy Rain)
	10/22/14 10:00 CST		0	Source: Emergency Manager

Emergency management, local law enforcement, and members of the public reported flash flooding across portions of Brownsville, especially the western and downtown areas. There were several reports of 3 feet or more of water into properties.

During the early morning commute and school trip, a band of very heavy rain developed along the Rio Grande east of Brownsville, and spread across the city from the Sabal Palm Sanctuary through Southmost and into downtown between 630 and 830 am. Soon after the torrents began, poor drainage and rainfall rates of 2 inches per hour overwhelmed many areas, with nuisance flooding (up to 2 feet) in numerous locations and more life/property threatening flash flooding (3 feet or more, water into property) in some of the worst draining areas as well as locations where 3 inches fell in an hour or less. More than 3.5 inches fell near downtown during the event, which matched closely with known flash flood areas.

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