

## Storm Data and Unusual Weather Phenomena - April 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>GULF OF MEXICO</b>				
<b>LAGUNA MADRE FROM PORT OF BROWNSVILLE TO ARROYO COLORADO COUNTY --- 4.3 N PORT ISABEL [26.13, -97.19]</b>				
	04/18/16 19:40 CST		0	Marine Hail (1.00 in)
	04/18/16 19:50 CST		0	Source: Social Media
Public reported, via social media, quarter sized hail falling near and around South Padre Island.				
<b>LAGUNA MADRE FROM PORT OF BROWNSVILLE TO ARROYO COLORADO COUNTY --- 8.7 ENE ARROYO CITY [26.26, -97.28]</b>				
	04/18/16 22:06 CST		0	Marine Thunderstorm Wind (MG 41 kt)
	04/18/16 22:28 CST		0	Source: C-MAN Station
The Realitos Peninsula TCOON site reported several thunderstorm wind gusts in excess of 34 knots with a peak gust of 41 knots.				
<p><b>Continued flow from the east/northeast ran into northward moving boundaries from storms in Tamaulipas/Nuevo Leon to form a rogue severe storm over the Laguna Madre, Port Isabel, and South Padre Island. This storm would produce quarter sized hail. Soon after, outflow from this storm would link up with others from a convective complex over Mexico to create a potent local convective system. Outflow from some of thunderstorms in this convective system would produce wind gusts in excess of 34 knots across the Laguna Madre.</b></p>				
<b>TEXAS, South</b>				
<b>CAMERON COUNTY --- 3.4 NE PORT ISABEL [26.11, -97.17]</b>				
	04/18/16 19:40 CST		0	Hail (1.00 in)
	04/18/16 19:50 CST		0	Source: Social Media
Several public reports through social media of quarter sized hail on South Padre Island.				
<b>CAMERON COUNTY --- 0.7 NE MAUDLIN ARPT [25.98, -97.52], 1.5 SE BROWNSVILLE [25.90, -97.49]</b>				
	04/18/16 21:00 CST		0	Heavy Rain
	04/18/16 22:45 CST		0	Source: Law Enforcement
Brownsville Police Department reported water covering roads with cars being stuck in the water along portions of Palm Boulevard, Boca Chica, Alton Gloor, and Expresway 77. CoCoRaHS observers reported rainfall totals of 3 to almost 4 inches.				
<b>CAMERON COUNTY --- 1.5 NNW (HRL)RIO GRANDE ARPT [26.25, -97.66], 0.8 SSE HARLINGEN [26.17, -97.69]</b>				
	04/18/16 21:09 CST		0	Thunderstorm Wind (EG 52 kt)
	04/18/16 21:25 CST		0	Source: Law Enforcement
Harlingen Police Department reported power lines down at 809 West Hanson, 1307 North Ann Street, 1506 South G Street, 629 North 13th Street, the intersections of Tyler and L, 25th and Rio Hondo Road, and Grimes and Morgan. The winds also blew some shingles off one apartment complex, and blew off at least one poorly fastened carport on the east side of Harlingen.				
<b>CAMERON COUNTY --- (HRL)RIO GRANDE ARPT [26.23, -97.65]</b>				
	04/18/16 21:16 CST		0	Thunderstorm Wind (MG 50 kt)
	04/18/16 21:16 CST		0	Source: ASOS
ASOS at the Rio Grande Valley International Airport in Harlingen recorded a peak wind gust of 58 mph.				
<b>CAMERON COUNTY --- 1.4 WNW BROWNSVILLE [25.93, -97.52], 0.3 N BROWNSVILLE [25.92, -97.50]</b>				
	04/18/16 21:26 CST		5K	Thunderstorm Wind (EG 43 kt)
	04/18/16 22:00 CST		0	Source: Law Enforcement
Brownsville Police Department reported three electrical poles down along U.S. Highway 281.				
<b>(TX-Z255) CAMERON</b>				
	04/19/16 00:05 CST		15K	High Wind (MAX 52 kt)
	04/19/16 00:15 CST		0	

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**(TX-Z255) CAMERON**

	04/19/16 00:35 CST		0.20K	Strong Wind (MAX 47 kt)
	04/19/16 00:45 CST		0	

A broken line of thunderstorms marched across the Rio Grande Valley through the late afternoon and evening hours and combined with other development across Nuevo Leon and Tamaulipas, Mexico to form a convective system. This initially stabilized the atmosphere and held back development. However, the continued flow from the east/northeast ran into northward moving boundaries from storms in Tamaulipas/Nuevo Leon to form a severe storm over Port Isabel and South Padre Island, with the first report of large hail at 745 pm LST. Soon after, outflow from this storm would link up with others from the Mexico storms and a small but potent local convective system soon formed between Harlingen and Brownsville. Downburst winds, reached 58 mph at KHRL and knocked down a number of power lines, blew some shingles off one apartment complex, and blew off at least one poorly fastened carport on the east side of Harlingen. Strong winds from the south, once again, due to the sharp difference in high and low pressure within the region – propagated through the Lower Rio Grande Valley, producing a 60 mph gust at KHRL just after 12 am LST on the 19th and causing additional damage to at least one tin roof (Bass Boulevard, west side) and at least one fence in town. Additional minor damage may have occurred in Brownsville during the same period, as the peak wind at KBRO reached 54 mph at 1255 am LST on the 19th. In addition intense rains dropped generally 2 to 4 inches in Brownsville, with several known poor drainage intersections seeing nuisance flooding.

**ZAPATA COUNTY --- 2.2 N ZAPATA ARPT [26.91, -99.28], 2.6 WNW ZAPATA [26.92, -99.27], 1.6 WNW ZAPATA [26.91, -99.25], 1.5 NNE ZAPATA ARPT [26.90, -99.27]**

	04/20/16 19:30 CST		0	Flash Flood (due to Heavy Rain)
	04/20/16 23:20 CST		0	Source: Law Enforcement

Zapata County Sheriff's Office reported several streets in the city of Zapata covered with one to two feet of water and that several motorists had been stranded on Highways 83 and 16 near Zapata. The AWOS site at the Zapata County Airport reported 1.26 inches of rainfall, with half an inch falling in a time span of twenty minutes.

**ZAPATA COUNTY --- ZAPATA ARPT [26.88, -99.28]**

	04/20/16 20:02 CST		0	Hail (1.00 in)
	04/20/16 20:02 CST		0	Source: Law Enforcement

Zapata County Sheriff's Office reported quarter sized hail near the Zapata County Airport.

**ZAPATA COUNTY --- 1.8 NNE ZAPATA ARPT [26.90, -99.27]**

	04/20/16 20:31 CST		0	Hail (0.88 in)
	04/20/16 20:31 CST		0	Source: Public

Public reported nickel sized hail at the Family Dollar Store in Zapata.

**ZAPATA COUNTY --- ZAPATA [26.90, -99.23]**

	04/20/16 20:34 CST		0	Hail (1.00 in)
	04/20/16 20:34 CST		0	Source: Law Enforcement

Zapata County Sheriff's Office relayed several reports of nickel to quarter sized hail falling across the city of Zapata.

As a weak midlevel disturbance moved across the region, convection developed across the mountains of northeast Mexico and moved east into Zapata County. Some of the thunderstorms became severe, with quarter sized hail reported in the city of Zapata. The storms became nearly stationary at times and produced heavy rainfall which led to flash flooding in Zapata.

**CAMERON COUNTY --- 0.5 ENE OLMITO [26.02, -97.52]**

	04/21/16 15:02 CST		0	Hail (1.00 in)
	04/21/16 15:02 CST		0	Source: Public

Public reported quarter sized hail in Olmito near the intersection of Noble Pine and Chestnut Oak.

The combination of a southward moving boundary across South Texas and an inland moving sea breeze supported the development of thunderstorms across Cameron County. Several of the storms became strong to severe and briefly produced quarter size hail near Olmito.

**KENEDY COUNTY --- 6.2 ENE NORIAS [26.84, -97.71]**

	04/24/16 16:45 CST		0	Hail (1.75 in)
	04/24/16 16:45 CST		0	Source: COOP Observer

COOP observer in Armstrong reported golfball sized hail.

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**KENEDY COUNTY --- NORIAS [26.80, -97.80]**

04/24/16 17:10 CST	0	Hail (0.88 in)
04/24/16 17:15 CST	0	Source: NWS Employee

Off duty NWS employee reported nickel sized hail on Highway 77 near Norias.

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**WILLACY COUNTY --- SAN PERLITA [26.50, -97.65]**

04/24/16 18:05 CST	0	Hail (1.75 in)
04/24/16 18:05 CST	0	Source: Law Enforcement

Police officer reported golfball sized hail in the city of San Perlita.

**Moisture and instability were lifted by the backside of a departing upper level disturbance during the late afternoon and early evening of April 24th to produce several small supercell thunderstorms from the southern Coastal Bend through the King Ranch. One of the cells moved through Kenedy and Willacy counties dropping golfball sized hail.**