Storm Data and Unusual Weather Phenomena - April 2016

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

GULF OF MEXICO

LAGUNA MADRE FROM PORT OF BROWNSVILLE TO ARROYO COLORADO COUNTY --- 4.3 N PORT ISABEL [26.13, -97.19]

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.

LAGUNA MADRE FROM PORT OF BROWNSVILLE TO ARROYO COLORADO COUNTY --- 8.7 ENE ARROYO CITY [26.26, -97.28]

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.

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.

TEXAS, South

CAMERON COUNTY --- 3.4 NE PORT ISABEL [26.11, -97.17]

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.

CAMERON COUNTY --- 0.7 NE MAUDLIN ARPT [25.98, -97.52], 1.5 SE BROWNSVILLE [25.90, -97.49]

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.

CAMERON COUNTY --- 1.5 NNW (HRL)RIO GRANDE ARPT [26.25, -97.66], 0.8 SSE HARLINGEN [26.17, -97.69]

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.

CAMERON COUNTY --- (HRL)RIO GRANDE ARPT [26.23, -97.65]

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.

CAMERON COUNTY --- 1.4 WNW BROWNSVILLE [25.93, -97.52], 0.3 N BROWNSVILLE [25.92, -97.50]

 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.

(TX-Z255) CAMERON

04/19/16 00:05 CST 15K High Wind (MAX 52 kt)

04/19/16 00:15 CST 0

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Storm Data and Unusual Weather Phenomena - April 2016

A broken line of thunderstorms marched across the Rio Grande Valley through the late aftermoon and evening hours and combined with other development across Neuron Leon and Tamaulipas, Mexico to form a convective system. This initially stabilized the atmosphere and hother development across Neuron Leon and Tamaulipas, Mexico to form a convective system. This initially stabilized the atmosphere and hother development across Neuron Leon and Tamaulipas, Mexico to form a convective system. This initially stabilized the atmosphere and hother development across Neuron Leon and Tamaulipas, Mexico to form a convective system. This initially stabilized the atmosphere and the late of the Control of	04/19/16 00.35 CST 0.20k Strong Wind (MAX 47 kt) 04/19/16 00.45 CST 0.0 control of the company of the late afternoon and evening hours and combined with ther development across Navor Leon and Tamadijas, Maxico to form a convoctive system. This initially stabilized the atmosphere and eld back development across Navor Leon and Tamadijas, Maxico to form a convoctive system. This initially stabilized the atmosphere and eld back development. However, the continued flow from the eastwortheast rain ton contrivam owing boundaries from storms in amautipas. Maxico to form a severe storm over Port Isabel and South Padre Island, with the first report of large hall 87 45 pm LST. cook after, surface from this storms continued flow from the eastwortheast rain into northward multipotent focal convoctive system con formed between Harlingen and Brownsville. Downburst winds, reached 89 mph at 8 (HRL) and knocked down a number of power ness, blws some shipped of one patrenter complex, and believe of at least one some poorly fastened campator to the east side of Harlingen. The cover file Grand Valley, producing a 60 mph qual at KIRLI, just after 12 am. 15 on the 19th in add causing additional damage to at least neith nord (Bass Boulevard, west side) and at least one fence in town. Additional minor damage may have occurred in Brownsville uring the same period, as the peak with at KIRCI pass ded 4 mph at 1258 and 150 not the 19th. In addition interes rains dropped enterally 21 to 4 inches in Brownsville, with several known poor drainage interesections seeing nuisance flooding. APATA COUNTY — 2.2 N ZAPATA ARPT [26.91, 99.28], 2.6 WWW ZAPATA [26.92, 99.27], 1.6 WWW ZAPATA [26.91, 99.28], 1.5 NNE ZAPATA ARPT [8.90, 99.27] Q420/16 23.32 CST 0 Fig. 19th 19th 19th 19th 19th 19th 19th 19th	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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04/20/16 19:30 CST 0 Flash Flood (due to Heavy Rain) 04/20/16 23:20 CST 0 Source: Law Enforcement apata 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 tranded 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 pan of twenty minutes. APATA COUNTY ZAPATA ARPT [26.88, -99.28] 04/20/16 20:02 CST 0 Source: Law Enforcement apata County Sheriff's Office reported quarter sized hall near the Zapata County Airport. APATA COUNTY 1.8 NNE ZAPATA ARPT [26.90, -99.27] 04/20/16 20:02 CST 0 Source: Public value in the Family Dollar Store in Zapata. APATA COUNTY 1.8 NNE ZAPATA ARPT [26.90, -99.27] 04/20/16 20:31 CST 0 Source: Public value in Expensive Male (1.00 in) 04/20/16 20:31 CST 0 Source: Law Enforcement apata County Sheriff's Office relayed several reports of nickel to quarter sized hall falling across the city of Zapata. APATA COUNTY ZAPATA [26.90, -99.23] 04/20/16 20:34 CST 0 Hall (1.00 in) Source: Law Enforcement apata County Sheriff's Office relayed several reports of nickel to quarter sized hall 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 aste into Zapata County. Some of the funderstorms became severe, with quarter sized hall reported in the city of Zapata. The storms secame nearly stationary at times and produced heavy rainfall which led to falsh flooding in Zapata. AMERON COUNTY 0.5 ENE OLMITO [26.02, -97.52] 04/21/16 15:02 CST 0 Source: Public validic reported quarter sized hall 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 nunderstorms across Cameron County. Several of the storms became strong to severe and briefly produced quarter size	O4/20/16 19:30 CST 0 Flash Flood (due to Heavy Rain) O4/20/16 23:20 CST 0 Source: Law Enforcement apata 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 tranded on Highways 83 and 16 near Zapata. The AWOS site at the Zapata County Airport reported 1.26 inches of rainfall, with haif an inch falling in a time pan of twenty minutes. APATA COUNTY ZAPATA ARPT [26.88, -99.28] O4/20/16 20:02 CST 0 Source: Law Enforcement APATA COUNTY 1.8 NNE ZAPATA ARPT [26.90, -99.27] O4/20/16 20:02 CST 0 Source: Public APATA COUNTY 1.8 NNE ZAPATA ARPT [26.90, -99.27] O4/20/16 20:31 CST 0 Hail (0.88 in) O4/20/16 20:34 CST 0 Source: Public APATA COUNTY ZAPATA [26.90, -99.23] O4/20/16 20:34 CST 0 Source: Public APATA COUNTY ZAPATA [26.90, -99.23] O4/20/16 20:34 CST 0 Source: Law Enforcement APATA COUNTY ZAPATA [26.90, -99.23] O4/20/16 20:34 CST 0 Source: Law Enforcement Apata County Sheriff's Office relayed several reports of nickel to quarter sized hail falling across the city of Zapata. APATA COUNTY ZAPATA [26.90, -99.23] O4/20/16 20:34 CST 0 Source: Law Enforcement Apata County Sheriff's Office relayed several reports of nickel to quarter sized hail falling across the city of Zapata. As a weak midleved disturbance moved across the region, convection developed across the mountains of northeast Mexico and moved ast into Zapata County. Some of the thunderstorms became severe, with quarter sized hail reported in the city of Zapata. The storms acame nearly stationary at times and produced heavy rainfall which led to falsh flooding in Zapata. AMERON COUNTY 0.5 ENE OLMITO [26.02, -97.52] O4/21/16 15:02 CST 0 Source: Public ublic reported quarter sized hail in Olmito near the intersection of Noble Pine and Chesthut Oak. the combination of a southward moving boundary across South Texas and an inland moving sea breeze supported the development of nunderstorms across Cameron County. Several of the stor		[26.91, -99.28], 2.6 WNW ZAPATA [2	26.92, -99.27], 1.6	WNW ZAPATA [26	.91, -99.25], 1.5 NNE ZAPATA ARPT
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U4/24/ ס ו ס ו 10:45 (7.75 In)	· · · · · · · · · · · · · · · · · · ·	KENEDY COUNTY 6.2 ENE NORIAS [2			0	Hail (4.75 in)
ONIONING ACAT OCT	U4/24/10 10:45 C51 U Source: COUP Observer					

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COOP observer in Armstrong reported golfball sized hail.

Storm Data and Unusual Weather Phenomena - April 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details			
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.							
WILLACY COUNTY SAN PERLITA [26.50, -97.6	55]						
	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.

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