

Storm Data and Unusual Weather Phenomena - March 2016

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, -97.40]

03/18/16 23:42 CST	0	Marine Thunderstorm Wind (MG 58 kt)
03/19/16 01:06 CST	0	Source: C-MAN Station

Baffin Bay TCOON site reported numerous thunderstorm wind gusts in excess of 34 knots, with a peak sustained wind of 49 knots at 1142 pm LST and a peak gust of 58 knots at 1154 pm LST.

LAGUNA MADRE FROM 5NM N OF PT MANSFIELD TO BAFFIN BAY TX COUNTY --- 28.1 SSW S BAFFIN BAY [26.80, -97.47]

03/18/16 23:54 CST	0	Marine Thunderstorm Wind (MG 49 kt)
03/19/16 00:36 CST	0	Source: C-MAN Station

Rincon del San Jose TCOON site reported numerous thunderstorm wind gusts in excess of 34 knots with a peak sustained wind of 38 knots and a peak gust of 49 knots at midnight LST.

LAGUNA MADRE FROM PORT OF BROWNSVILLE TO ARROYO COLORADO COUNTY --- 8.6 ENE ARROYO CITY [26.26, -97.29]

03/19/16 00:42 CST	0	Marine Thunderstorm Wind (MG 39 kt)
03/19/16 01:30 CST	0	Source: C-MAN Station

The Realitos TCOON site reported several thunderstorm wind gusts in excess of 34 knots with a peak wind gust of 39 knots at 1242 am LST.

WATERS FROM BAFFIN BAY TO PT MANSFIELD TX EXT FROM 20 TO 60NM COUNTY --- 45.1 ESE S BAFFIN BAY [26.97, -96.69]

03/19/16 00:48 CST	0	Marine Thunderstorm Wind (MG 50 kt)
03/19/16 01:51 CST	0	Source: Buoy

Buoy 42020 reported several thunderstorm wind gusts in excess of 34 knots with a peak gust of 50 knots at 118 am LST.

LAGUNA MADRE FROM PORT OF BROWNSVILLE TO ARROYO COLORADO COUNTY --- 1.1 WSW PORT ISABEL [26.06, -97.22]

03/19/16 01:00 CST	0	Marine Thunderstorm Wind (MG 37 kt)
03/19/16 01:06 CST	0	Source: C-MAN Station

The Port Isabel TCOON site reported several thunderstorm wind gusts in excess of 34 knots with a peak gust of 37 knots at 1 am LST.

LAGUNA MADRE FROM PORT OF BROWNSVILLE TO ARROYO COLORADO COUNTY --- 2.0 E PORT ISABEL [26.07, -97.17]

03/19/16 01:12 CST	0	Marine Thunderstorm Wind (MG 34 kt)
03/19/16 01:12 CST	0	Source: Coast Guard

South Padre Island Coast Guard station reported a thunderstorm wind gust of 34 knots.

A line of thunderstorms developed along an outflow boundary that raced across the lower Texas coastal waters during the overnight hours of the 19th. These thunderstorms produced periods of gusty winds in excess of 34 knots, and in some cases as high as storm force (greater than 48 knots).

COASTAL WATERS FROM BAFFIN BAY TO PT MANSFIELD TX OUT 20 NM COUNTY --- 74.9 S S BAFFIN BAY [26.12, -97.29]

03/31/16 11:00 CST	1	0	Marine Strong Wind (MG 25 kt)
03/31/16 11:00 CST	0	0	Source: Broadcast Media

In the wake of an overnight gravity wave event, in which winds reached 40 knots across the lower Texas coastal waters, winds remained strong and gusty across the Laguna Madre during the morning hours of March 31. The strong winds resulted in rough to very rough waters in the Laguna Madre. The winds with gusts of 25 knots and rough to very rough chop capsized a kayak near Holly Beach and one person was drowned.

Direct Fatalities: M20BO

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TEXAS, South

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HIDALGO COUNTY --- 1.0 WNW MC ALLEN [26.21, -98.25]				
	03/09/16 05:56 CST		0	Hail (1.00 in)
	03/09/16 05:58 CST		0	Source: Social Media

Quarter size hail was reported by the public via Facebook near the intersection of Business 83 and 23rd Street in McAllen.

HIDALGO COUNTY --- 1.4 S SAN MANUEL [26.55, -98.12], 0.1 NNW SAN MANUEL [26.57, -98.12]				
	03/09/16 06:25 CST		12K	Thunderstorm Wind (EG 52 kt)
	03/09/16 06:35 CST		0	Source: Fire Department/Rescue

Fire Chief of Linn-San Manuel reported three power poles and lines down along FM 1017 and six trees were uprooted.

A strong and unusually far south upper level disturbance that moved out of Mexico and over South Texas helped destabilize the atmosphere and provided large scale ascent. This was enough to break the cap and scattered thunderstorms developed across the Rio Grande Valley, some producing large hail and damaging winds during the overnight and post-daybreak hours of March 9th.

STARR COUNTY --- 2.3 NNE GRULLA [26.30, -98.63], 1.9 ESE GARCIAVILLE [26.31, -98.67], 3.8 ENE GARCIAVILLE [26.34, -98.64], 5.0 ENE GARCIAVILLE [26.34, -98.62]				
	03/10/16 19:15 CST		10K	Flash Flood (due to Heavy Rain)
	03/10/16 22:00 CST		0	Source: Law Enforcement

Starr County Sheriffs Office reported that most of Alto Bonito received significant street flooding , that the US 83 underpass at FM 2360 was completely blocked due to flooding and that flooding was being rerouted in La Victoria . Starr County Sheriffs Office also reported one home in danger of being flooded on Familia Street in the El Poso colonia. A few houses in lower areas were reported to have about a foot of water inside , with some residents being evacuated.

The combination of an upper level low moving northeast over Mexico and plenty of atmospheric moisture allowed scattered thunderstorms to develop across the Upper Valley and northern Mexico. These thunderstorms produced periods of heavy rainfall across Starr County, resulting in flash flooding in the SE corner of the county.

(TX-Z257) COASTAL CAMERON				
	03/19/16 11:00 CST	1	0	High Surf
	03/21/16 02:00 CST		0	

Direct Fatalities: M18IW

Strong winds, building wave heights, and a robust northeasterly swell in the wake of a cold front led to periods of dangerous high surf along the lower Texas coast. One drowning occurred off the coast of South Padre Island during the overnight hours of March 19th into March 20th.