## Storm Data and Unusual Weather Phenomena - November 2011

GULP OF MEXICO           LAGUNA MADRE FROM PORT OF BROWNSVILLE TO ARROYO COLORADO COUNTY 2.0 E PORT ISABEL [26.08, 97.17]           1/126/11 21:00 CST         25K         Marine Strong Wind (MG 43 kt)           1/126/11 21:00 CST         0         Source: Coast Guard           The U.S. Coast Guard station at South Padre Island recorded a wind gust b 40 mph at 10 PM on the 26th, and gusts continued above 40 mph through 4 AM           The U.S. Coast Guard Station, sometime during the optic of the site watere reported, and damage was unknown as of this winking.           A strong cold front whipped across the Lower Texas marine waters late on November 26th and early on the 27th followed by occasional Gale force wind gusts which continued into the morning hours. Gusts at the South Padre Island Coast Guard Station and Port Isabel C-AMA via transpond from 40 to 40 mph between 10 PM and 4 AM, Some of these gusts reported capsized and sunk two moored small craft along the Laguna side of South Padre Island during the pre dawn hours of the 27th.           TEXEX.South           (TX-2246) ZAPATA, (TX-2246) JM HOGG, (TX-2250) BROOKS, (TX-2251) KENEDY, (TX-2252) STARR, (TX-2253) HIDALGO, (TX-2254) WILLACY, (TX-2256) COASTLL WILLACY, (TX-2257) COASTLL CMMERON           1/10/11 01/01 00:00 D           1/10/11 10/11 02:00 CST           0           Broad upper level high pressure ridging from the Gulf of Moracio into the norther Moraco, puncturated by the cintral and the southeast IU.S - each bringing dry col		Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
11/26/11 21:00 CST     25K     Marrine Strong Wind (MG 43 ki)       11/27/11 04:00 CST     0     Source: Coast Guard       he U.S. Coast Guard station at South Padre Island recorded a wind gust to 49 mph at 10 PM on the 28th, and gusts continued above 40 mph through 4 AM wors mail monored boats reportedly capsized along the bayshore near the Sea Ranch Marina, vituallyl adjacent to the Coast Guard Station, sometime during the night. No injuries or fatallities were reported, and damage was unknown as of this writing.       k strong cold front whipped across the Lower Texas marine waters late on November 28th and early on the 27th, followed by occasional Bale force wind gusts which continued into the morning hours. Gusts at the South Padre Island Coast Guard Station and Port Islabel "AMA site ranged from 40 to 49 mph between 10 PM and 4 AM. Some of these gusts reported capsized and sunk two moored small rard along the Laguna side of South Padre Island during the pre dawn hours of the 27th.       TX-2248) ZAPATA, (TX-2249) JIM HOGG, (TX-2250) BROOKS, (TX-2251) KENEDY, (TX-2252) STARR, (TX-2253) HIDALGO, (TX-2254) WILLACY, TX-2250) COASTAL WILLACY, (TX-2257) COASTAL CAMERON       TX-2248) ZAPATA, (TX-2249) JIM HOGG, (TX-2250) BROOKS, (TX-2251) KENEDY, (TX-2252) STARR, (TX-2253) HIDALGO, (TX-2254) WILLACY, TX-2259) COASTAL WILLACY, (TX-2257) COASTAL CAMERON       TX-2248) ZAPATA, (TX-2249) JIM HOGG, (TX-2250) BROOKS, (TX-2251) KENEDY, (TX-2252) STARR, (TX-2253) HIDALGO, (TX-2254) WILLACY, TX-2250) COASTAL WILLACY, (TX-2257) COASTAL CAMERON       TX-2249) ZAPATA, (TX-2249) JIM HOGG, (TX-2250) BROOKS, (TX-2251) KENEDY, (TX-2250) STARR, (TX-2250) WILLACY, TX-2250) STARC (TX-2256) WIL	GULF OF MEXICO				
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TX-Z248) ZAPATA, (TX-Z249) JIM HOGG, (TX-Z250) BROOKS, (TX-Z251) KENEDY, (TX-Z252) STARR, (TX-Z253) HIDALGO, (TX-Z254) WILLACY,         TX-Z255) CAMERON, (TX-Z256) COASTAL WILLACY, (TX-Z257) COASTAL CAMERON       11/01/11 00:00 CST       0       Drought         11/30/11 23:59 CST       0       0       Drought         sevel troughs moving from the Pacific Coast through the central and southern Plains, then diving into the southeast U.S each bringing       is evel trought in southeast         tidago/southwest Cameron was replaced by Extreme (D3) drought; Exceptional (D4) Drought continued in the heart of the Citrus belt of       iidalgo/southwest Cameron was replaced by Extreme (D3) drought; Exceptional (D4) Drought continued in the heart of the Citrus belt of         conditions worsened further at month's end, when the first "blue norther" cold front swept through the area. Northwest winds gusting       ip to 40 mph or higher ushered in extremely dry air, as afternoon humidity fell below 10 percent on the 27th, and continued with lighter         vinds on the 28th and 29th. A dry freeze on the 28th cured whatever fuels hadn't been previously.       0       Wildfire         TX-Z250) BROOKS, (TX-Z253) HIDALGO       11/10/11 15:00 CST       0       Wildfire         continued Exceptional (D4) Drought conditions combined with gusty north winds 15 to 25 mph, warm temperatures in the 70s, and (fternoon humidity between 15 and 20 percent to allow a wildfire to grow rapidly and spread from ranchland in southern Brooks County no northern Hidalgo County.       11/26/11 22:00 CST       2K       Strong Wind (MAX 36 kt) </td <td>Gale force wind gusts which continued into C-MAN site ranged from 40 to 49 mph betwee</td> <td>the morning hours.  Gusts at t een 10 PM and 4 AM; Some of t</td> <td>he South Padre Isl hese gusts reporte</td> <td>and Coast Guard</td> <td>Station and Port Isabel</td>	Gale force wind gusts which continued into C-MAN site ranged from 40 to 49 mph betwee	the morning hours.  Gusts at t een 10 PM and 4 AM; Some of t	he South Padre Isl hese gusts reporte	and Coast Guard	Station and Port Isabel
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11/27/11 04:00 CST 0	Addalgo/southwest Cameron was replaced f Addalgo County. Conditions worsened further at month's end up to 40 mph or higher ushered in extremel winds on the 28th and 29th. A dry freeze or TX-Z250) BROOKS, (TX-Z253) HIDALGO Continued Exceptional (D4) Drought condit afternoon humidity between 15 and 20 perconto northern Hidalgo County.	by Extreme (D3) drought; Except d, when the first "blue norther" y dry air, as afternoon humidity n the 28th cured whatever fuels 11/10/11 15:00 CST 11/10/11 21:00 CST ions combined with gusty north ent to allow a wildfire to grow r	otional (D4) Droug cold front swept t / fell below 10 perc hadn't been previ	evere (D2) Drough at continued in the mrough the area. M eent on the 27th, an ously. 0 0 0 ph, warm tempera from ranchland in	e heart of the Citrus belt of Northwest winds gusting nd continued with lighter Wildfire tures in the 70s, and
	idalgo/southwest Cameron was replaced f idalgo County. conditions worsened further at month's end p to 40 mph or higher ushered in extremel rinds on the 28th and 29th. A dry freeze or FX-Z250) BROOKS, (TX-Z253) HIDALGO continued Exceptional (D4) Drought condit fternoon humidity between 15 and 20 perc nto northern Hidalgo County.	by Extreme (D3) drought; Except d, when the first "blue norther" y dry air, as afternoon humidity n the 28th cured whatever fuels 11/10/11 15:00 CST 11/10/11 21:00 CST ions combined with gusty north ent to allow a wildfire to grow r	otional (D4) Droug cold front swept t / fell below 10 perc hadn't been previ	evere (D2) Drough at continued in the prough the area. A sent on the 27th, ar pusly. 0 0 ph, warm tempera from ranchland in 2K	e heart of the Citrus belt of Northwest winds gusting nd continued with lighter Wildfire tures in the 70s, and southern Brooks County
a strong cold front whipped across the Lower Rio Grande Valley late on November 26th and early on the 27th, followed by occasional sale force wind gusts which continued into the morning hours. Gusts at the South Padre Island Coast Guard Station and Port Isabel -MAN site ranged from 40 to 49 mph between 10 PM and 4 AM; Gusts exceeded 40 mph at the South Padre Island Heliport on the south ide of the resort town. These gusts collapsed a protective awning at a car wash. TX-Z248) ZAPATA, (TX-Z249) JIM HOGG, (TX-Z250) BROOKS, (TX-Z251) KENEDY, (TX-Z252) STARR, (TX-Z253) HIDALGO, (TX-Z254) WILLACY	lidalgo/southwest Cameron was replaced I lidalgo County. conditions worsened further at month's end p to 40 mph or higher ushered in extremel rinds on the 28th and 29th. A dry freeze or TX-Z250) BROOKS, (TX-Z253) HIDALGO continued Exceptional (D4) Drought condit fternoon humidity between 15 and 20 perc nto northern Hidalgo County.	d, when the first "blue norther" y dry air, as afternoon humidity the 28th cured whatever fuels 11/10/11 15:00 CST 11/10/11 21:00 CST ions combined with gusty north ent to allow a wildfire to grow r	otional (D4) Droug cold front swept t / fell below 10 perc hadn't been previ	evere (D2) Drough at continued in the prough the area. A sent on the 27th, ar pusly. 0 0 ph, warm tempera from ranchland in 2K	e heart of the Citrus belt of Northwest winds gusting nd continued with lighter Wildfire tures in the 70s, and southern Brooks County
11/28/11 03:00 CST 0 Frost/Freeze	A strong cold front whipped across the Lov Sale force wind gusts which continued into conditions distributed from 40 to 49 mph between the to 40 mph or higher ushered in extremel winds on the 28th and 29th. A dry freeze or TX-Z250) BROOKS, (TX-Z253) HIDALGO Continued Exceptional (D4) Drought condit offernoon humidity between 15 and 20 percenter into northern Hidalgo County.	d, when the first "blue norther" y dry air, as afternoon humidity to the 28th cured whatever fuels 11/10/11 15:00 CST 11/10/11 21:00 CST ions combined with gusty north ent to allow a wildfire to grow r 11/26/11 22:00 CST 11/27/11 04:00 CST ver Rio Grande Valley late on Ni- the morning hours. Gusts at th sen 10 PM and 4 AM; Gusts exc sed a protective awning at a ca	otional (D4) Droug cold front swept t / fell below 10 perc hadn't been previ h winds 15 to 25 m apidly and spread ovember 26th and he South Padre Isla seeded 40 mph at t ir wash.	evere (D2) Drough it continued in the nrough the area. Ment on the 27th, an ously. 0 0 ph, warm tempera from ranchland in 2K 0 early on the 27th, and Coast Guard S he South Padre Isl	e heart of the Citrus belt of Northwest winds gusting Ind continued with lighter Wildfire tures in the 70s, and southern Brooks County Strong Wind (MAX 36 kt) followed by occasional station and Port Isabel and Heliport on the south
11/28/11 08:00 CST 0	A strong cold front whipped across the Lov Sale force wind gusts which continued into conditions distributed from 40 to 49 mph between the to 40 mph or higher ushered in extremel winds on the 28th and 29th. A dry freeze or TX-Z250) BROOKS, (TX-Z253) HIDALGO Continued Exceptional (D4) Drought condit offernoon humidity between 15 and 20 percenter into northern Hidalgo County.	d, when the first "blue norther" y dry air, as afternoon humidity the 28th cured whatever fuels 11/10/11 15:00 CST 11/10/11 21:00 CST ions combined with gusty north ent to allow a wildfire to grow r 11/26/11 22:00 CST 11/27/11 04:00 CST ver Rio Grande Valley late on Nu the morning hours. Gusts at the sen 10 PM and 4 AM; Gusts exc sed a protective awning at a ca X-Z250) BROOKS, (TX-Z251) K	otional (D4) Droug cold front swept t / fell below 10 perc hadn't been previ h winds 15 to 25 m apidly and spread ovember 26th and he South Padre Isla seeded 40 mph at t ir wash.	evere (D2) Drough it continued in the mrough the area. Ment on the 27th, an ously. 0 0 ph, warm tempera from ranchland in 2K 0 early on the 27th, and Coast Guard S he South Padre Isl STARR, (TX-Z253)	Heart of the Citrus belt of   Northwest winds gusting Ind continued with lighter   Wildfire   tures in the 70s, and southern Brooks County   Strong Wind (MAX 36 kt)   followed by occasional Station and Port Isabel land Heliport on the south   HIDALGO, (TX-Z254) WILLACY

The event was a rare "dry" freeze, as humidity through the coldest periods remained below 50 percent. Ambient temperatures varied greatly depending on the height of the sensor taking the measurements. At eye level, temperatures fell to or just below freezing in

## Storm Data and Unusual Weather Phenomena - November 2011

Location Date/Time Deat	aths & Property & uries Crop Dmg	
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many areas, but remained a few degrees above freezing in others. Just above the ground, and in wind protected hollows, temperatures fell into the 20s; local "hard" freezes, defined as 2 or more hours with temperatures below 28 degrees, likely occurred. Agricultural damage was not known as of this writing.