

## Storm Data and Unusual Weather Phenomena - January 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### TEXAS, South

(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

01/08/10 03:00 CST	0	Frost/Freeze
01/09/10 09:30 CST	0	

A blast of very cold Canadian air came sweeping down the Great Plains, migrating from the Yukon and Northwest Territories through Saskatchewan and Alberta Provinces, starting on January 6th. The high pressure cell, sourced near the Arctic Circle, brought sharply falling temperatures on January 7th, which would fall just below freezing across the Rio Grande Plains by daybreak of January 8th, and near freezing by mid to late morning on the 8th before struggling to rise into the mid 30s to near 40 toward evening under slate gray clouds, accompanied by a little sleet and rain mixed across the Lower Rio Grande Valley around midday.

Evening clouds on the 8th allowed a gradual temperature fall, but as skies cleared toward midnight, temperatures began a steady drop beginning across the Rio Grande Plains before midnight, spreading southeast and clearing the coast a couple of hours after midnight. By daybreak, all of Deep South Texas, save for the immediate coast and urban/developed locations, sustained hard freeze conditions.

Minimum temperatures ranged from the upper teens across the ranchlands of the Upper Rio Grande Valley of Zapata and Starr County stretching east through much of Jim Hogg, Brooks, northern Hidalgo, and into western Kenedy County. Elsewhere, lows ranged through the low and mid 20s, except mid and upper 20s in the urban pockets of McAllen/Pharr/Edinburg and toward the immediate coast from Brownsville to South Padre Island, who even touched 32.

The freeze on the 9th probably caused the most damage for the entire period, as insulating frost was confined to low lying, wind protected areas. Light winds and low humidity in most areas kept frost from developing.

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01/09/10 00:00 CST	0	Frost/Freeze
01/10/10 08:45 CST	0	

Cold high pressure settled across Deep South Texas on the evening of January 9th, continuing through the early morning of January 10th. Clear skies and light winds allowed temperatures to fall rapidly back into the 30s after sunset. After midnight, sheltered or wind protected locations plummeted into the upper teens to lower 20s - another hard freeze - while locations with a continuing 4 to 8 mph northerly wind fell to or just below freezing for several hours. Higher relative humidity allowed widespread frost to form, thickest in hollows and other low lying areas.