

## Storm Data and Unusual Weather Phenomena - January 2017

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

01/06/17 23:00 CST	0	Frost/Freeze
01/07/17 10:45 CST	0	

For the first time in nearly 6 six years, the entire Valley and Deep South Texas ranchlands fell to at last 32 degrees. A deep surge of arctic air behind a cold front, allowed for clearing skies and very cold air to invade all of Deep South Texas, with temperatures falling to freezing or below across the entirety of the Rio Grande Valley and Ranchlands.

(TX-Z248) ZAPATA, (TX-Z249) JIM HOGG, (TX-Z250) BROOKS, (TX-Z251) KENEDY, (TX-Z252) STARR, (TX-Z253) HIDALGO

01/07/17 19:30 CST	0	Frost/Freeze
01/08/17 09:00 CST	0	

Lighter winds and remaining dry air under clear skies, along with radiational cooling, allowed for another night of freezing temperatures across the ranchlands and portions of the Rio Grande Valley.

(TX-Z251) KENEDY

01/17/17 00:00 CST	0	Drought
01/23/17 23:59 CST	0	

Dry conditions that plagued Northeast Kenedy County during December, when less than half an inch of rain fell, continued into January, resulting in drought conditions intensifying and Severe (D2) drought conditions returning to NE Kenedy County.

(TX-Z250) BROOKS

01/22/17 11:00 CST	0	Wildfire
01/25/17 08:00 CST	0	

A "perfect storm" of atmospheric and surface conditions led to the development of very dangerous fire weather conditions on January 22nd. First, two nights of subfreezing temperatures combined with very dry air on January 7th and 8th cured fine fuels (mainly grasses and brush) across the South Texas Brush Country. Second, a heat "spike" on January 21st brought mid to upper 90s temperatures and afternoon humidity below 10 percent in some areas. Finally, a front surged across Deep South Texas early on the 22nd, followed by wind gusts up to 50 mph, humidity crashing below 10 percent, and temperatures still warming into the 80s. A downed power line sparked a fire near the Hopper Ranch in western Brooks County, which soon grew to 8,000 acres.

(TX-Z251) KENEDY, (TX-Z253) HIDALGO, (TX-Z254) WILLACY

01/24/17 00:00 CST	0	Drought
01/31/17 23:59 CST	0	

Dry conditions spread into southwestern Kenedy County, the northeast corner of Hidalgo County, and the far northwest corner of Willacy County. The dry conditions that developed due to below normal rainfall in December, intensified, with Severe (D2) drought conditions returning to the previously mentioned locations.