

Storm Data and Unusual Weather Phenomena - July 2013

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

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

07/01/13 00:00 CST	0	Drought
07/31/13 23:59 CST	0	

Mostly hot and dry conditions dominated much of the Rio Grande Valley and Deep South Texas during the first half of July. However, the region saw a few periods of rainfall, thanks to a weak disturbance near the coast on the 7th and the 8th and a broader trough of low pressure that moved from the Mid-Atlantic region on the 11th and southwest across the country during the following week. Coastal communities in Cameron County received some rainfall on the 6th and 7th, and after a "jump" inland, due to the sea breeze, some of Hidalgo County along and just east of Highway 281 got a break in the dry weather as well. Steadier rainfall occurred as the upper low reached into southwest Texas from the Lower Gulf waters, into the eastern half of Cameron, extending north through eastern Willacy then bending northwest towards Falfurrias. Unfortunately, these mid-July rains pushed cloud cover into the mid and upper Valley, which stabilized the atmosphere and left most areas west of Highway 77 dry. Despite rainfall falling over some areas of the Rio Grande River and Deep South Texas, worsening drought conditions returned to the area, with Severe drought conditions reemerging in Zapata County and Exceptional drought conditions returning along the coast.

(TX-Z249) JIM HOGG, (TX-Z250) BROOKS, (TX-Z255) CAMERON, (TX-Z256) COASTAL WILLACY, (TX-Z257) COASTAL CAMERON

07/01/13 00:00 CST	0	Drought
07/01/13 23:59 CST	0	

Periodic rainfall during the second week of June that temporarily improved drought conditions during the third week of June began to loosen its effect as July began, and little to no rain fell. Through July 1st, Extreme (D3) to Exceptional (D4) Drought dominated the Rio Grande Valley and King Ranch, with Severe (D2) Drought across the Brush Country ranchlands and Moderate (D1) Drought holding in Zapata County, which was brushed by some of the heavier rainfall during the second week of June.

Drought would worsen incrementally in many areas beginning on July 2nd.

(TX-Z248) ZAPATA, (TX-Z251) KENEDY, (TX-Z255) CAMERON, (TX-Z256) COASTAL WILLACY, (TX-Z257) COASTAL CAMERON

07/23/13 00:00 CST	0	Drought
07/31/13 23:59 CST	0	

The coastal counties and Zapata County saw a brief respite and temporary improvement in drought conditions, as the effects from rains during the middle the month, courtesy of a southwest moving upper level disturbance that originated in the Ohio Valley and ended up in northwest Mexico. The disturbance ultimately brought a several day period of locally unsettled weather mainly between the 16th and 20th, began to be felt. Where rainfall was much more sparse, drought conditions continued to hold steady or worsen. The high pressure ridge aloft quickly returned and brought back summer time heat and dry conditions across the area the last week of the month.

ZAPATA COUNTY --- 0.8 ESE SAN YGNACIO [27.04, -99.44], 0.7 E SAN YGNACIO [27.05, -99.44]

07/27/13 16:16 CST	10K	Thunderstorm Wind (EG 56 kt)
07/27/13 16:20 CST	0	Source: Trained Spotter

Estimated downburst winds of around 65 mph damaged the roofs of homes and a small business, snapped tree limbs, and blew over a number of trailers at the San Ygnacio RV park.

A weak front/boundary pushed south across south Texas during the day of the 27th. While moisture was limited, there was just enough boundary layer moisture pooling along the front and a bit of extra forcing for a few showers and thunderstorms to fire as it moved across the northern and far western portions of the CWA. One storm became severe during the late afternoon and early evening hours over San Ygnacio in far western Zapata County. A downburst struck the small town and caused damage to the roofs of several homes, a small business, and a number of trailers were blown over at the San Ygnacio RV Park.