

Storm Data and Unusual Weather Phenomena - July 2012

| 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-Z253) HIDALGO, (TX-Z254) WILLACY, (TX-Z255) CAMERON, (TX-Z257) COASTAL CAMERON

| | | |
|--------------------|---|---------|
| 07/01/12 00:00 CST | 0 | Drought |
| 07/31/12 23:59 CST | 0 | |

Isolated showers and thunderstorms across the region, dropped significant rain across small areas of the region, which helped to alleviate drought conditions slightly across portions of the Rio Grande Valley and Deep South Texas. Portions of Jim Hogg County received 4 to 6 inches of rainfall on July 13th, although this did little to alleviate drought conditions in the county. Despite the rainfall, there was little improvement to overall drought conditions.

JIM HOGG COUNTY --- 8.7 SW HEBBRONVILLE [27.22, -98.76], 4.2 NNW GUERRA [26.94, -98.90]

| | | |
|--------------------|---|-----------------------------------|
| 07/13/12 19:00 CST | 0 | Heavy Rain |
| 07/13/12 21:00 CST | 0 | Source: Official NWS Observations |

An area of bias-corrected rainfall of 4 to 6 inches fell in rural Jim Hogg County during the evening of July 13th.

Broad high pressure over the Gulf of Mexico kept a conveyor belt of moisture moving north into the region, while midlevel high pressure centers over the plains and the southeast US resulted in disturbances aloft and unsettled weather across the Rio Grande Valley and Deep South Texas on July 13th. Large scale lift and upper diffluence combined with a light to moderate southeast wind, and abundant moisture, allowed for seabreeze convection. The convection initiated along the coastal counties earlier in the afternoon and continued to march across the region through the evening hours. These showers and thunderstorms were slow moving and had rainfall rates of 3 to 4 inches per hours. Portions of rural Jim Hogg County received between 4 and 6 inches of rain.

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

| | | |
|--------------------|---|---------|
| 07/17/12 00:00 CST | 0 | Drought |
| 07/31/12 23:59 CST | 0 | |

The second half of July saw a few isolated showers and thunderstorms across the region, but rainfall was sparse overall, especially in the normally wetter Lower Rio Grande Valley. As a result of limited precipitation, drought conditions intensified in the coastal counties and persisted elsewhere.

(TX-Z256) COASTAL WILLACY, (TX-Z257) COASTAL CAMERON

| | | |
|--------------------|---|---------|
| 07/31/12 00:00 CST | 0 | Drought |
| 07/31/12 23:59 CST | 0 | |

Virtually no rainfall over the last 15 days of July for the coastal sections of Willacy and Cameron County left a mark on the drought, with the temporary improvement to Moderate (D1) conditions produced by end of June rainfall and a few sea breeze showers into mid July erased by month's end.