

Storm Data and Unusual Weather Phenomena - July 2012

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

(TX-Z021) PARMER, (TX-Z023) SWISHER, (TX-Z024) BRISCOE, (TX-Z025) HALL, (TX-Z026) CHILDRESS, (TX-Z027) BAILEY, (TX-Z028) LAMB, (TX-Z029) HALE, (TX-Z030) FLOYD, (TX-Z031) MOTLEY, (TX-Z032) COTTLE, (TX-Z033) COCHRAN, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z037) DICKENS, (TX-Z038) KING, (TX-Z039) YOAKUM, (TX-Z040) TERRY, (TX-Z041) LYNN, (TX-Z043) KENT, (TX-Z044) STONEWALL

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

Drought conditions across the South Plains, Rolling Plains and extreme southern Texas Panhandle worsened during the month of July. Childress and Hall Counties returned to Severe (D2) drought conditions while Extreme (D3) conditions expanded. Castro, Crosby and Garza Counties remained in Moderate (D1) drought conditions.

Temperatures were observed to be above normal with precipitation well below normal for most areas. There were only a few days that saw thunderstorm activity and this activity was only isolated. Year to date precipitation values were between 50 and 90 percent of normal for most of the region. A small part of the region consisting of southern Lubbock County, Lynn County, and western Garza County was between 100 and 150 percent of normal. July was 1.7 degrees and 3.3 degrees above seasonal averages for Lubbock and Childress respectively. Through the month of July, 2012 ties as the warmest year on record. Although maximum temperatures have been lower than 2011, minimum temperatures have been higher. Keetch-Byram Drought Index values worsened during July. Values between 600 and 700 were observed over the western South Plains and Rolling Plains with values of 500 to 600 elsewhere.

Irrigated crops struggled to keep up with water demands due to the lack of precipitation. Dryland crops were also struggling and were likely to fail within the next month. Pastures and rangelands were deteriorating rapidly with little to no grazing land left for cattle. Although wildfire activity was low, fuels were dry enough to sustain wildfires from lightning starts in July.

Economic losses due to drought through July since the drought began were estimated near \$2.4 billion.

BRISCOE COUNTY --- 3.0 NNW QUITAQUE [34.41, -101.07]

07/16/12 16:16 CST	0	Thunderstorm Wind (MG 52 kt)
07/16/12 16:16 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site at Caprock Canyons State Park measured a wind gust to 60 mph.

Scattered thunderstorms developed early in the afternoon on the 16th near an upper level shear axis over the Rolling Plains. Most storms were non-severe, however, one storm produced a wind gust to 60 mph during the early evening.

BRISCOE COUNTY --- 6.0 E SILVERTON [34.47, -101.19]

07/23/12 14:20 CST	0	Hail (0.25 in)
07/23/12 14:20 CST	10K	Source: COOP Observer

An NWS cooperative weather observer reported pea size hail covering the ground. Despite the small size of the hail, the amount of hail caused significant crop damage east of Silverton.

KING COUNTY --- 8.6 WSW GUTHRIE 6666 ARPT [33.57, -100.48]

07/23/12 18:30 CST	0	Thunderstorm Wind (MG 60 kt)
07/23/12 18:30 CST	0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet station located 10WSW Guthrie.

Scattered strong and slow-moving thunderstorms developed this afternoon throughout the South Plains and Rolling Plains. One of these storms produced a downburst with peak winds measured at 69 mph southwest of Guthrie. Very heavy rain in excess of 1 inch accompanied the strongest storms as measured near Lake Alan Henry. Later this evening, slow-moving storms developed repeatedly for just over one hour near the Caprock Escarpment in southeast Floyd and northwest Dickens Counties. Bias-adjusted radar total rainfall indicated 2 to 4 inches of rain likely fell just south of Dougherty and also east-northeast of Roaring Springs. Despite this, no ground truth was available to confirm or deny flooding.

(TX-Z031) MOTLEY

07/25/12 17:30 CST	0	Wildfire
07/26/12 12:30 CST	0	

TERRY COUNTY --- 2.0 S BROWNFIELD [33.15, -102.28]

07/25/12 21:00 CST	0	Thunderstorm Wind (MG 54 kt)
07/25/12 21:00 CST	0	Source: Mesonet

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A Texas Tech University West Texas mesonet site near Brownfield measured a wind gust to 62 mph.

CROSBY COUNTY --- 6.5 SSE CROSBYTON MUNI ARPT [33.54, -101.17]

07/25/12 23:00 CST	0	Thunderstorm Wind (MG 52 kt)
07/25/12 23:00 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near White River Lake measured a wind gust to 60 mph.

Scattered thunderstorms developed over the South Plains and Rolling Plains on the afternoon and evening of the 25th. A couple of these storms produced severe winds with gusts in excess of 60 mph. Additionally, lightning from one storm initiated a wildfire in Motley County. Farm to Market Road 94 in Motley County was closed due to smoke reducing visibility over the roadway. This wildfire burned over 2000 acres.