

Storm Data and Unusual Weather Phenomena - July 2009

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

(TX-Z044) STONEWALL

07/01/09 00:00 CST	0	Drought
07/07/09 00:00 CST	0	

Following a wet summer and early fall of 2008, precipitation was scarce over the west Texas South Plains region from late October 2008 through much of spring 2009, especially over the southern Rolling Plains. As a result, Severe (D2) to Extreme (D3) drought conditions developed by January 2009 and persisted through May 2009. At the beginning of June, Severe (D2) conditions were still ongoing over Kent and King Counties, and Extreme (D3) drought was in place over Stonewall County.

Beneficial rainfall totals of one to four inches improved moisture conditions over the southern Rolling Plains during late June, and by the first week of July, long-term rainfall deficits improved to near 70% of climatological normal values. Thus the U.S. Drought Monitor indicated an end of Severe (D2) drought over Stonewall County by the 7th.

Improved agricultural conditions were noted in early July, thanks to an increased frequency of convective wetting rains. State agricultural officials continue to estimate that cattle losses related to the drought will exceed \$1 billion. Only a fraction of those losses occurred in the South Plains region with most of the land used for cotton production.

Although no new economic and agricultural losses were incurred in July, the total economic impact across the South Plains region for the entirety of the 2009 drought were estimated to be near \$26 million dollars. Most of these losses are attributed to approximately 750,000 acres of dryland cotton that never germinated.

CASTRO COUNTY --- 3.0 N HART [34.42, -102.12]

07/04/09 15:45 CST	0	Thunderstorm Wind (MG 56 kt)
07/04/09 15:50 CST	0	Source: Mesonet

The Texas Tech University West Texas Mesonet site near Hart recorded 62 mph and 64 mph thunderstorm wind gusts at 15:45 CST and 15:50 CST respectively. No damage was reported.

CROSBY COUNTY --- CROSBYTON [33.67, -101.25]

07/04/09 16:00 CST	15K	Thunderstorm Wind (EG 56 kt)
07/04/09 16:00 CST	0	Source: Law Enforcement

Law enforcement officials reported that thunderstorm winds broke a few utility poles in Crosbyton. The event time is estimated.

COTTLE COUNTY --- 10.0 SW PADUCAH [33.92, -100.42], 9.3 SSE NARCISSO [33.88, -100.40]

07/04/09 17:00 CST	10K	Thunderstorm Wind (MG 77 kt)
07/04/09 17:05 CST	0	Source: Mesonet

An intense wet downburst was measured by the Texas Tech University West Texas Mesonet station southwest of Paducah around 17:00 CST on the 4th. A wind gust of 89 mph was recorded by the mesonet site ten miles southwest of Paducah at 17:00 CST and a subsequent gust of 67 mph was measured at 17:05 CST. The winds were accompanied by a 7 millibar rise in surface pressure and 1.71 inches of rain within a twenty-five minute period.

A nearby National Weather Service cooperative observer, at Delwin, reported significant tree damage across an area several miles in width. A large mulberry tree was reportedly split in half. Part of the tree fell onto the roof of a home. Many other large trees were said to have their "tops broken". No injuries were reported.

Scattered thunderstorms developed over portions of the South Plains during the afternoon and early evening hours of Independence Day 2009. A few storms produced damaging downburst winds. A Texas Tech University West Texas Mesonet site in Cottle County measured a peak gust of 89 mph and a 7 millibar pressure rise as a wet microburst impacted areas southwest of Paducah.

BAILEY COUNTY --- 2.0 SSW MULESHOE [34.19, -102.74]

07/06/09 20:45 CST	0	Thunderstorm Wind (MG 52 kt)
07/06/09 20:45 CST	0	Source: Mesonet

The Texas Tech University West Texas Mesonet site near Muleshoe recorded a thunderstorm wind gust of 60 mph. No damage was reported.

LAMB COUNTY --- EARTH [34.23, -102.40]

07/06/09 21:15 CST	0	Thunderstorm Wind (EG 52 kt)
07/06/09 21:30 CST	0	Source: Public

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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The public reported that damaging thunderstorm winds downed a number of large tree limbs in and around Earth.

An isolated and spatially small complex of thunderstorms moved southeastward over the extreme southwestern Texas Panhandle and the northwestern South Plains during the evening hours of the 6th. These storms produced localized and brief severe wind gusts, but no significant damage was reported.

BAILEY COUNTY --- 4.0 E MULESHOE [34.22, -102.66]

07/16/09 20:00 CST	10K	Thunderstorm Wind (EG 52 kt)
07/16/09 20:00 CST	0	Source: Emergency Manager

Emergency management officials reported that thunderstorm winds blew down utility lines and broke two inch diameter tree limbs along U.S. Highway 70 east of Muleshoe.

A complex of thunderstorms developed over the plains of eastern New Mexico and the Texas Panhandle during the late afternoon and early evening hours of the 16th. This activity congealed into a complex of storms which moved southward over the northwestern South Plains during the late evening hours. Locally damaging winds downed tree limbs and power lines at Muleshoe (Bailey County) as the storms impacted that area around 20:00 CST.

PARMER COUNTY --- 2.0 NE FRIONA [34.65, -102.71], LAZBUDDIE [34.38, -102.62]

07/17/09 17:15 CST	0.10M	Thunderstorm Wind (MG 69 kt)
07/17/09 17:57 CST	0	Source: Mesonet

A complex of severe thunderstorms, which included an embedded high-precipitation supercell, were accompanied by damaging winds over parts of Parmer County during the 17:00 CST hour of the 17th. The Texas Tech University West Texas Mesonet site near Friona initially recorded a 71 mph wind gust at 17:15 CST. By 17:57 CST, a 79 mph gust was measured by the KVII-TV Schoolnet site in Lazbuddie. Local newspaper reports indicate that the winds were accompanied by a blinding dust storm. A number of utility poles were downed and power outages were reported. Damages also were reported to several center pivot irrigation systems. No injuries were reported.

PARMER COUNTY --- LAZBUDDIE [34.38, -102.62]

07/17/09 18:14 CST	0	Hail (1.75 in)
07/17/09 18:14 CST	0.25M	Source: Public

The public reported golfball size hail in Lazbuddie. Local newspaper articles reported that the hail resulted in significant losses to cotton crops in the immediate Lazbuddie area.

BAILEY COUNTY --- 3.0 W NEEDMORE [34.03, -102.78], ENOCHS [33.87, -102.77]

07/17/09 18:45 CST	0.50M	Thunderstorm Wind (EG 70 kt)
07/17/09 19:15 CST	0.50M	Source: Mesonet

The convective complex and embedded high-precipitation supercell that impacted parts of Parmer County subsequently moved southward over Bailey County. A post storm survey by Texas Tech University West Texas Mesonet meteorologists revealed a swath of intense wind damage from between Needmore and Baileyboro southward to Enochs. At least 100 utility poles were blown down, some broken near ground-level, and several center irrigation pivots were destroyed. Minor roof damage was noted to several homes in Enochs. The winds were occasionally accompanied with nickel size hail in the Enochs vicinity. Wind-driven hail contributed to significant cotton losses. Wind speeds were estimated to be near 80 mph and event times were estimated based on radar data.

BAILEY COUNTY --- ENOCHS [33.87, -102.77]

07/17/09 19:10 CST	0	Hail (0.88 in)
07/17/09 19:15 CST	1M	Source: Mesonet

A post storm survey by Texas Tech University West Texas Mesonet meteorologists revealed that hail up to the size of nickels accompanied extreme thunderstorm winds in the Enochs vicinity. The wind-blown hail contributed to significant cotton losses.

COCHRAN COUNTY --- 2.0 N MORTON [33.75, -102.77], 14.0 S WHITEFACE [33.40, -102.62]

07/17/09 19:15 CST	1.50M	Thunderstorm Wind (MG 81 kt)
07/17/09 20:20 CST	1M	Source: Mesonet

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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The high-precipitation supercell that impacted Parmer and Bailey Counties continued southward over Cochran County during the 19:00 CST hour of the 17th. A swath of very intense damaging winds continued from southern Bailey County across northeastern Cochran County. The Texas Tech University West Texas Mesonet site near Morton initially recorded a gust of 58 mph at 19:15 CST. A subsequent gust of 77 mph was recorded at 19:20 CST. By 19:25 CST, however, a peak gust of 93 mph was measured by the Morton mesonet site. Damage was reported to be extensive in the Morton area. The damage swath additionally extended southward to Whiteface, where by 19:55 CST a 64 mph gust was measured at the Texas Tech University West Texas Mesonet site south of Whiteface. Up to 300 utility poles were blown down by the winds across the eastern half of the county, and tree damage was reported to be "extensive". At least two aged structures were severely damaged or destroyed by the winds in Morton, as well as a number of light weight structures such as carpports and barns. The winds were occasionally accompanied by large hail up to the size of nickels, and this contributed to large agricultural losses.

COCHRAN COUNTY --- 2.0 N MORTON [33.75, -102.77], MORTON [33.72, -102.77]

	07/17/09 19:20 CST	0	Hail (0.88 in)
	07/17/09 19:25 CST	1M	Source: Mesonet

Post storm surveys by Texas Tech University West Texas Mesonet meteorologists revealed that nickel size hail accompanied extreme thunderstorm winds in the Morton vicinity. The wind-driven hail contributed to significant cotton losses.

YOAKUM COUNTY --- 7.0 WNW DENVER CITY [33.01, -102.96]

	07/17/09 20:10 CST	0	Thunderstorm Wind (MG 57 kt)
	07/17/09 20:55 CST	0	Source: Mesonet

Severe thunderstorms moved southward out of Cochran County and impacted parts of Yoakum County. The Texas Tech University West Texas Mesonet initially recorded a severe gust of 60 mph near Plains at 20:10 CST. A peak gust of 66 mph was measured there at 20:25 CST. An additional severe thunderstorm gust of 58 mph was measured by the Texas Tech University West Texas Mesonet site near Denver City just before 21:00 CST. No damage was reported.

LUBBOCK COUNTY --- 3.0 ENE WOLFFORTH [33.52, -101.97]

	07/17/09 20:40 CST	0	Hail (0.75 in)
	07/17/09 20:40 CST	0	Source: Public

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

	07/17/09 21:05 CST	0	Thunderstorm Wind (MG 50 kt)
	07/17/09 21:05 CST	0	Source: Mesonet

The Texas Tech University West Texas Mesonet site south of Brownfield recorded a severe thunderstorm wind gust of 58 mph shortly after 21:00 CST. No damage was reported.

(TX-Z039) YOAKUM

	07/17/09 21:50 CST	25K	High Wind (MAX 61 kt)
	07/17/09 22:00 CST	0	

Scattered thunderstorms developed over the western Texas Panhandle and the eastern plains of New Mexico during the late afternoon hours of the 17th. These storms evolved into a large convective complex and propagated southward over the western South Plains during the evening hours. An embedded high-precipitation supercell developed within the complex and tracked over portions of Parmer, Bailey, and Cochran Counties. This storm was accompanied by large hail and a broad swath of extreme winds. Damage to cotton crops and utilities was widespread, with at least 400 electrical poles downed by the winds. The most significant structural damage occurred in Morton (Cochran County), where the Texas Tech University West Texas Mesonet recorded a peak gust of 93 mph and a number of homes and businesses sustained heavy damage. In addition, a band of severe winds developed in the wake of the departing convection as pressure gradients increased dramatically well behind the storms. These high winds characterized by gusts up to 70 mph resulted in tree, utility, and minor damages in Yoakum County. No injuries were reported. Total economical losses were estimated to exceed \$5.75 million, and some county-level authorities applied for state disaster declarations.

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Several buildings suffered heavy damage as thunderstorm winds measured up to 93 mph impacted Morton (Cochran County) during the late evening of the 17th. Photo courtesy: Danny Wiseley - Texas Tech University West Texas Mesonet.

CASTRO COUNTY --- 5.0 N DIMMITT [34.62, -102.32], DIMMITT [34.55, -102.32]

07/18/09 18:50 CST	0	Hail (1.75 in)
07/18/09 18:59 CST	0	Source: Law Enforcement

Local officials reported quarter to golfball size hail along a swath of U.S. Highway 385 in the Dimmitt vicinity shortly before 19:00 CST. No significant damage was reported.

CASTRO COUNTY --- 2.0 NE DIMMITT [34.57, -102.30], 4.0 W DIMMITT [34.55, -102.39]

07/18/09 18:55 CST	10K	Thunderstorm Wind (MG 52 kt)
07/18/09 18:59 CST	0	Source: Mesonet

The Texas Tech University West Texas Mesonet site northeast of Dimmitt recorded a thunderstorm wind gust up to 60 mph at 18:55 CST. By 18:59 CST local officials reported that several utility lines were downed by the winds west of Dimmitt along Texas Highway 86. Newspaper reports additionally indicated that at least one large tree was blown down in Dimmitt. The winds were at times accompanied by giant hail.

CASTRO COUNTY --- 4.0 W DIMMITT [34.55, -102.39]

07/18/09 18:58 CST	5K	Hail (2.50 in)
07/18/09 18:59 CST	0	Source: Public

The public reported tennis ball size hail along Texas Highway 86 west of Dimmitt just before 19:00 CST. The hail was accompanied by damaging thunderstorm winds, however, only minor hail damage was reported.

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LUBBOCK COUNTY --- 4.5 S DOUD [33.51, -101.92]				
	07/18/09 20:15 CST		10K	Lightning
	07/18/09 20:15 CST		0	Source: Law Enforcement

Lightning struck a utility pole at the intersection of Slide Road and 98th Street in southwest Lubbock. As a result of the lightning strike, the top of the pole broke off and utility lines fell across 98th Street. No injuries were reported.

LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06]				
	07/18/09 21:10 CST		0	Thunderstorm Wind (MG 56 kt)
	07/18/09 21:10 CST		0	Source: Mesonet

The Texas Tech University West Texas Mesonet site south of Wolfforth recorded a severe thunderstorm wind gust of 65 mph at 21:10 CST. No damages were reported.

(TX-Z039) YOAKUM				
	07/18/09 23:25 CST		0	High Wind (MAX 50 kt)
	07/18/09 23:25 CST		0	

KING COUNTY --- 10.0 NE GUTHRIE [33.72, -100.21]				
	07/19/09 00:20 CST		5K	Hail (2.00 in)
	07/19/09 00:25 CST		0	Source: Public

The public reported that "huge" hail fell on the Masterson Ranch northeast of Guthrie during the very early morning hours on the 19th. Only minor damages were reported, and the event time is estimated based on radar data.

STONEWALL COUNTY --- PEACOCK [33.18, -100.40]				
	07/19/09 01:15 CST		0	Hail (0.75 in)
	07/19/09 01:20 CST		0.25M	Source: Public

The public reported that between 1,500 and 2,000 acres of cotton were destroyed by large hail in the immediate Peacock vicinity during the 01:00 CST hour of the 19th. One local farmer described the damage left by the storm as the "worst hail damage he remembered".

Scattered thunderstorms developed over the northwestern South Plains of west Texas during the evening hours of the 18th. These storms eventually spread southward over the western and central South Plains. At least one isolated storm displayed supercellular structure as it impacted the Dimmitt vicinity in Castro County. This storm produced giant hail and damaging winds. A broad area of strong winds developed in the wake of the convective complex over the western South Plains, and a localized and brief severe gradient wind gust was measured by the Texas Tech University West Texas Mesonet in Yoakum County. Renewed convective development occurred over the Rolling Plains after midnight CST. Severe storms, including a few supercells, produced large hail over portions of King and Stonewall Counties during the very early morning hours of the 19th. Significant agricultural losses were reported in Stonewall County, where between 1,500 and 2,000 acres of cotton were destroyed near Peacock.

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Lightning sparks in the evening sky over the intersection of Slide Road and 98th Street in southwest Lubbock. Photo courtesy: Todd Lindley - National Weather Service - Lubbock, Texas.

LYNN COUNTY --- 2.0 W WILSON [33.32, -101.76], 4.0 W WILSON [33.32, -101.80]

07/21/09 15:09 CST	0	Hail (1.00 in)
07/21/09 15:14 CST	0	Source: Public

The public reported quarter size hail along Farm to Market Road 211 west of Slide around 16:00 CST.

LYNN COUNTY --- 4.3 ENE LAKEVIEW [33.36, -101.98], 4.2 ENE LAKEVIEW [33.36, -101.99]

07/21/09 15:09 CST	0	Tornado (EF0, L: 0.40 mi , W: 50 yd)
07/21/09 15:11 CST	0	Source: Law Enforcement

Local law enforcement officials and the public observed a non-mesocyclonic tornado which persisted for two minutes in open fields northwest of New Home. The tornado developed as thunderstorm outflow interacted with new convective development along a pre-existing northwest to southeast oriented low level boundary. The tornado was photographed by a number of observers. Preliminary reports placed the tornado near Slide in southern Lubbock County, however, a detailed report from a resident revealed that the tornado actually occurred four miles west of the intersection of Farm to Market Road 1730 and Lynn County Road 121. The tornado resulted in no damages.

COCHRAN COUNTY --- 5.0 E MORTON [33.72, -102.68], 7.5 NE MORTON [33.80, -102.68]

07/21/09 17:20 CST	3M	Hail (0.75 in)
07/21/09 17:50 CST	0	Source: Newspaper

A pair of slow moving and short-lived thunderstorms resulted in significant damage to cotton crops in northeastern Cochran County during the 17:00 CST hour of the 21st. Local newspaper reports and agricultural officials indicate that up to 15,000 acres of cotton were damaged or destroyed. Although reports did not specify hail size, estimates indicated here are based on damage and radar depictions of well-defined reflectivity three-body scatter artifacts.

Thunderstorms developed during the afternoon hours of the 21st along a pre-existing low level boundary over the western and southern South Plains of west Texas. One of the initial storms produced quarter size hail near Wilson (Lynn County). Outflow from this storm interacted with the pre-existing boundary and newly developing convection to result in a well-documented non-mesocyclonic tornado near New Home (Lynn County). The most significant impact from the event, however, occurred in northeastern Cochran County during the early evening hours when a pair of thunderstorms produced a swath of large hail that caused major damage to 15,000 acres of cotton crops. Agricultural losses were estimated at \$3 million.

Storm Data and Unusual Weather Phenomena - July 2009

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



A non-mesocyclonic tornado was photographed by several observers around 15:10 CST on the 21st as it remained in open fields in extreme northwestern Lynn County. Photo courtesy: Ian Giammanco - Texas Tech University Wind Science and Engineering Department.

HOCKLEY COUNTY --- LEVELLAND [33.58, -102.37]

07/22/09 09:00 CST	0	Heavy Rain
07/22/09 12:00 CST	0	Source: Newspaper

A widespread rain event occurred on the 22nd as the remnants of a mesoscale convective complex slowly translated eastward over the west Texas South Plains. Rainfall totals in the one to two inch range were common. Reports of minor flooding were minimal, but at least one road closure was reportedly due to ponding water over the intersection of 13th Street and West Avenue in Levelland (Hockley County).

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Photograph of a road closed due to high water in Levelland. Photo courtesy John Rigg of the Levelland News Press.

LYNN COUNTY --- 2.0 N O'DONNELL [33.00, -101.83], O'DONNELL [32.97, -101.83]

07/27/09 17:07 CST	0	Hail (0.88 in)
07/27/09 17:09 CST	0	Source: Public

The public and local newspaper articles reported nickel size hail in O'Donnell shortly after 17:00 CST.

LYNN COUNTY --- 1.0 N O'DONNELL [32.98, -101.83], O'DONNELL [32.97, -101.83]

07/27/09 17:20 CST	0	Thunderstorm Wind (MG 65 kt)
07/27/09 17:20 CST	0	Source: Mesonet

Following a bout of large hail, extreme winds and torrential rainfall accompanied an apparent downburst over the O'Donnell vicinity. The Texas Tech University West Texas Mesonet site just north of the town recorded a brief but intense gust of 75 mph at 17:20 CST. Although no significant damage was reported, a large tree was blown down along Nassau Road.

An isolated severe thunderstorm produced nickel size hail and damaging thunderstorm winds in the O'Donnell vicinity of southern Lynn County. Although tree damage was reported, no significant damages occurred.

SWISHER COUNTY --- 4.0 WNW VIGO PARK [34.67, -101.55], VIGO PARK [34.65, -101.48]

07/28/09 19:38 CST	0	Thunderstorm Wind (EG 52 kt)
07/28/09 19:50 CST	0	Source: COOP Observer

Multiple reports of severe thunderstorm gusts up to 60 mph were received from the public and from a National Weather Service cooperative observer near Vigo Park during the 19:00 CST hour. No significant damage was reported.

BRISCOE COUNTY --- SILVERTON [34.47, -101.30], 7.0 ESE SILVERTON [34.43, -101.19]

07/28/09 20:09 CST	0	Thunderstorm Wind (MG 56 kt)
07/28/09 20:35 CST	0	Source: Mesonet

Storm Data and Unusual Weather Phenomena - July 2009

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

A thunderstorm wind gust of 65 mph was initially measured by the KVII-TV Schoolnet in Silvertown at 20:09 CST. Additional severe gusts up to 63 mph were recorded by the Texas Tech University West Texas Mesonet southeast of Silvertown between 20:25 and 20:35 CST. No significant damage was reported.

HALE COUNTY --- PLAINVIEW [34.20, -101.70], 3.6 ENE COTTON CENTER [34.02, -101.94]

07/28/09 20:38 CST		0.28M	Thunderstorm Wind (MG 64 kt)
07/28/09 21:40 CST		1.75M	Source: Mesonet

The KVII-TV Schoolnet initially measured a 74 mph thunderstorm wind gust in Plainview at 20:38 CST. By 20:40 CST the Texas Tech University West Texas Mesonet recorded gusts up to 62 mph south of Plainview. Local authorities and newspaper articles reported significant damage in the area. The winds blew the roof off of an apartment complex where four families were left homeless. Roof damage also occurred at a local bowling ally, and a traffic light was reportedly downed by the winds. A number of large trees, tree limbs, and signs were additionally blown down. A combination of wind and hail continued to damage cotton crops along a swath that extended southward to near Cotton Center and Hale Center. In all, an estimated 20,000 acres of cotton were lost. No injuries were reported.

HALE COUNTY --- 3.2 NNW HALE CENTER [34.11, -101.85], 4.5 ENE COTTON CENTER [34.02, -101.93]

07/28/09 21:25 CST		0	Hail (0.75 in)
07/28/09 21:40 CST		1.75M	Source: Newspaper

A swath of large hail combined with destructive thunderstorm winds to result in significant cotton crop losses. Hail up to the size of pennies fell along a swath west of Interstate 27 from southwest of Plainview to near Cotton Center and Hale Center. Local agricultural officials reported significant cotton crop losses following the storm, with combined damages from hail and wind accounting for an estimated 20,000 acres lost.

A complex of storms which originated over the Texas Panhandle swept southward over the northern South Plains during the evening hours of the 28th and resulted in significant wind and hail damages. The most significant damage occurred in Hale County, where at least two structures sustained roof damage. Damages to an apartment complex in Plainview (Hale County) left four families homeless. A swath of wind-blown hail destroyed an estimated 20,000 acres of cotton from south of Plainview to near Cotton Center and Hale Center (Hale County). Total estimates of storm damages across the region exceeded \$3.75 million.

PARMER COUNTY --- BOVINA [34.52, -102.90]

07/29/09 18:47 CST		0	Thunderstorm Wind (EG 61 kt)
07/29/09 18:47 CST		0	Source: Trained Spotter

A trained storm spotter estimated severe thunderstorm winds near 70 mph in Bovina. A number of large tree branches were downed by the winds. No significant damages were reported.

COCHRAN COUNTY --- 1.0 ENE MORTON [33.73, -102.75]

07/29/09 20:25 CST		0	Thunderstorm Wind (MG 50 kt)
07/29/09 20:25 CST		0	Source: Mesonet

The Texas Tech University West Texas Mesonet site near Morton recorded a severe thunderstorm wind gust of 58 mph. No damage was reported.

HALE COUNTY --- 2.0 E FINNEY [34.28, -101.69]

07/29/09 20:40 CST		0	Thunderstorm Wind (EG 52 kt)
07/29/09 20:50 CST		0	Source: Public

The public estimated thunderstorm wind gusts up to 60 mph. Pea size hail reportedly accompanied the winds. No damage was reported.

FLOYD COUNTY --- AIKEN [34.13, -101.50]

07/29/09 20:50 CST		10K	Thunderstorm Wind (EG 52 kt)
07/29/09 21:00 CST		0	Source: Law Enforcement

Local officials reported that two utility poles were blown down by thunderstorm winds along U.S. Highway 70 at Aiken.

COCHRAN COUNTY --- 14.0 S WHITEFACE [33.40, -102.62]

07/29/09 20:55 CST		0	Thunderstorm Wind (MG 50 kt)
07/29/09 20:55 CST		0	Source: Mesonet

The Texas Tech University West Texas Mesonet site south of Whiteface recorded a 58 mph thunderstorm wind gust just before 22:00 CST. No damage was reported.

HALE COUNTY --- 2.0 E COTTON CENTER [34.00, -101.97]

07/29/09 21:00 CST		0	Hail (1.00 in)
07/29/09 21:00 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - July 2009

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

Storm spotters reported quarter size hail just east of Cotton Center.

HALL COUNTY --- ESTELLINE [34.55, -100.43]

	07/29/09 21:27 CST		75K	Thunderstorm Wind (EG 61 kt)
	07/29/09 21:40 CST		0	Source: Public

An abandoned brick building suffered significant wind damage in Estelline. Severe thunderstorm winds struck the community around 21:30 CST, and caused a structure's brick wall to collapse. No injuries were reported.

CHILDRESS COUNTY --- (CDS)CHILDRESS ARPT [34.43, -100.30], 2.0 NNE (CDS)CHILDRESS ARPT [34.46, -100.29]

	07/29/09 21:29 CST		2M	Thunderstorm Wind (MG 89 kt)
	07/29/09 21:45 CST	3	0	Source: ASOS

A complex of severe thunderstorms produced extreme winds and resulted in significant damage in the Childress vicinity during the 21:00 CST hour of the 29th. The Automated Surface Observing System at the Childress Municipal Airport recorded a 102 mph thunderstorm wind gust at 21:29 CST. The nearby Texas Tech University West Texas Mesonet recorded a series of severe gusts between 21:35 CST and 21:45 CST, with a peak gust of 80 mph at 21:40 CST.

Damage across the northwestern half of the city was extensive. Three people were injured when the walls of a motel collapsed just off of U.S. Highway 287. Two other hotels sustained heavy damages. Minor roof damage was additionally reported at the Childress Regional Medical Center and the Childress High School.

HOCKLEY COUNTY --- 6.0 SSW ANTON [33.74, -102.21]

	07/29/09 22:15 CST		0	Thunderstorm Wind (MG 61 kt)
	07/29/09 22:25 CST		0	Source: Mesonet

The Texas Tech University West Texas Mesonet site southwest of Anton initially measured a thunderstorm wind gust of 70 mph at 22:15 CST on the 29th. Subsequent gusts of 60 mph and 62 mph were recorded at 22:20 CST and 22:25 CST respectively. No damage was reported.

TERRY COUNTY --- 3.0 ENE NEEDMORE [33.33, -102.28], 2.0 S BROWNFIELD [33.15, -102.28]

	07/29/09 22:20 CST		0.20M	Thunderstorm Wind (MG 52 kt)
	07/29/09 22:35 CST		0	Source: Mesonet

Thunderstorm winds resulted in a swath of damage from the Needmore and Meadow areas of northern Terry County southward to near Brownfield. Several buildings at the Needmore Gin sustained heavy roof damage, and the steeple was blown off of a church in Meadow. At least six utility poles also were reportedly blown down by the winds. A 60 mph thunderstorm wind gust was measured by the Texas Tech University West Texas Mesonet site near Brownfield at 22:30 CST, where a large oak tree was reportedly split. No injuries were reported.

LUBBOCK COUNTY --- 1.1 SSW LUBBOCK [33.56, -101.85], 1.3 S LUBBOCK [33.56, -101.85], 1.4 SSW LUBBOCK [33.56, -101.86], 1.2 SSW LUBBOCK [33.56, -101.86]

	07/29/09 22:30 CST		10K	Flash Flood (due to Heavy Rain)
	07/29/09 23:30 CST		0	Source: Broadcast Media

A television photojournalist was shooting video of the storm when a sudden strong current of water displaced his vehicle and moved it down a city street. Water depth was unknown and no injuries were reported.

LUBBOCK COUNTY --- REESE VLG [33.60, -102.02]

	07/29/09 22:30 CST		0	Thunderstorm Wind (MG 56 kt)
	07/29/09 22:40 CST		0	Source: Mesonet

The Texas Tech University West Texas Mesonet site at Reese Center initially measured a 61 mph thunderstorm wind gust at 22:30 CST. By 22:35 CST a peak gust of 64 mph was recorded. No significant damage was reported, however, but many large tree limbs were blown down.

CROSBY COUNTY --- 5.0 NNE KALGARY [33.47, -101.12]

	07/29/09 22:50 CST		0	Thunderstorm Wind (MG 52 kt)
	07/29/09 22:50 CST		0	Source: Mesonet

A 60 mph thunderstorm wind gust was measured by the Texas Tech University West Texas Mesonet site at White River Lake. No damage was reported.

LYNN COUNTY --- 3.0 NNE TAHOKA [33.22, -101.76]

	07/29/09 23:00 CST		0	Thunderstorm Wind (MG 63 kt)
	07/29/09 23:05 CST		0	Source: Mesonet

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
The Texas Tech University West Texas Mesonet recorded a 73 mph gust near Tahoka at 23:00 CST. A subsequent gust of 61 mph was recorded at 23:05 CST. No damage was reported.				

LUBBOCK COUNTY --- LUBBOCK [33.58, -101.85]

07/29/09 23:30 CST	0.10M	Lightning
07/30/09 00:30 CST	0	Source: Newspaper

An apartment complex was struck by lightning around midnight CST on the 29th. The strike caused a fire which displaced several tenants. No injuries were reported, but significant damages occurred to the apartment unit.

KING COUNTY --- 10.0 WSW GUTHRIE [33.56, -100.49]

07/29/09 23:45 CST	0	Thunderstorm Wind (MG 56 kt)
07/29/09 23:55 CST	0	Source: Mesonet

The Texas Tech University West Texas Mesonet site southwest of Guthrie initially recorded a thunderstorm wind gust of 65 mph at 23:45 CST. Additional severe gusts up to 62 mph were measured through 23:55 CST. No damage was reported.


GARZA COUNTY --- 1.0 NE POST [33.19, -101.37], 7.0 ENE JUSTICEBURG [33.07, -101.09]

07/29/09 23:50 CST	0	Thunderstorm Wind (MG 56 kt)
07/29/09 23:50 CST	0	Source: Mesonet

The Texas Tech University West Texas Mesonet site near Post measured a 60 mph thunderstorm wind gust just before midnight CST. Gusts up to 64 mph were additionally measured at Lake Alan Henry. No damage was reported.

A complex of thunderstorms swept southeastward over the South Plains region of west Texas during the evening hours of the 29th. These storms resulted in widespread severe wind gusts. Damage across the region was generally limited to downed tree limbs and utilities, however, a segment of the convective complex that moved over the extreme southeastern Panhandle produced extreme wind gusts that caused significant structural damage. These winds resulted in the partial collapse of a brick structure in Estelline (Hall County). More significant damage occurred as the winds spread into Childress (Childress County), where a number of buildings were heavily damaged including three local hotels, a hospital, and the high school as measured wind gusts reached 102 mph. Three people were injured and economic losses across the region exceeded \$2.2 million.

Storm Data and Unusual Weather Phenomena - July 2009

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

Damaging thunderstorm winds caused a wall to collapse from a structure in Estelline during the late evening hours of the 29th. No injuries were reported. Photo courtesy: Farrah Farris - Estelline, Texas.