

Storm Data and Unusual Weather Phenomena - September 2007

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

SWISHER COUNTY

10.0 ESE KRESS	09/06/07 14:25 CST		10K	Thunderstorm Wind (EG 61 kt)
	09/06/07 14:25 CST		0	34.3147N, 101.588W

A farmer reported that thunderstorm winds damaged a cotton trailer shortly before 14:25 CST on the 6th when it was blown over near Claytonville.

LUBBOCK COUNTY

2.0 NE SLATON	09/06/07 14:40 CST		0	Thunderstorm Wind (MG 52 kt)
	09/06/07 14:40 CST		0	33.4505N, 101.626W

A small but intense thunderstorm impacted southeastern Lubbock County on the afternoon of the 6th. This storm produced localized severe wind gusts measured up to 60 mph by the Texas Tech University West Texas Mesonet site near Slaton. No damage was reported.

BRISCOE COUNTY

SILVERTON	09/06/07 14:55 CST		0	Thunderstorm Wind (MG 50 kt)
	09/06/07 14:55 CST		0	34.47N, 101.3W

The storm that produced damaging winds in southeastern Swisher County moved east and impacted portions of Briscoe County. Severe wind gusts up to 58 mph were measured by the KVII-TV Schoolnet station in Silverton. No damage was reported.

FLOYD COUNTY

FLOYDADA	09/06/07 18:05 CST		0	Hail (1.00 in)
3.0 E FLOYDADA	09/06/07 18:15 CST		0	33.98N, 101.33W ~ 33.98N, 101.278W

Nickel to quarter size hail accompanied a severe thunderstorm near Floydada during the evening hours of the 6th. Initial reports indicated nickel size hail in the city. The Texas Department of Transportation reported that hail up to the size of quarters fell along U.S. Highway 62/70 east of Floydada.

HALL COUNTY

TURKEY	09/06/07 18:30 CST		0	Thunderstorm Wind (EG 52 kt)
	09/06/07 18:30 CST		0	34.4N, 100.88W

The public reported thunderstorm wind gusts estimated up to 60 mph in Turkey. No damage was reported.

MOTLEY COUNTY

NORTHFIELD	09/06/07 18:42 CST		0	Thunderstorm Wind (EG 52 kt)
	09/06/07 18:46 CST		0	34.28N, 100.6W

Storm spotters reported that severe thunderstorm winds downed tree limbs in Northfield.

CHILDRESS COUNTY

(CDS)CHILDRESS ARPT	09/06/07 19:04 CST		25K	Thunderstorm Wind (MG 56 kt)
CHILDRESS	09/06/07 19:19 CST		0	34.43N, 100.3W ~ 34.42N, 100.2W

A thunderstorm produced damaging winds in the Childress vicinity during the evening hours of the 6th. The Automated Surface Observation System at the Childress Municipal Airport measured an initial severe gust of 59 mph at 19:04 CST. At 19:15 CST, local fire department officials reported that thunderstorm winds had downed power lines and damaged trees in the city. A peak gust of 64 mph was recorded at the airport at 19:19 CST. No structural damage was reported.

Scattered severe thunderstorms developed over the South Plains of west Texas during the afternoon and evening hours of the 6th. The primary severe weather mode throughout the event was damaging wind gusts, however, no structural or otherwise significant damage was reported. Hail up to the size of quarters also accompanied a storm over Floyd County.

LYNN COUNTY

8.0 NW TAHOKA	09/07/07 13:45 CST		0	Hail (1.00 in)
7.0 N TAHOKA	09/07/07 13:50 CST		1.50M	33.2618N, 101.878W ~ 33.2812N, 101.78W

The public reported that 2,500 acres of cotton were destroyed due to a swath of wind blown hail. The hail swath was located several miles north of Tahoka to the west of U.S. Highway 87. In addition, an estimated wind gust of 60 mph accompanied the hail.

LYNN COUNTY

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8.0 NW TAHOKA	09/07/07 13:45 CST		0	Thunderstorm Wind (EG 52 kt)
7.0 N TAHOKA	09/07/07 13:50 CST		50K	33.2618N, 101.878W ~ 33.2812N, 101.78W

The public reported that 2,500 acres of cotton were destroyed due to a swath of wind blown hail. Wind gusts were estimated at 60 mph.

HOCKLEY COUNTY

13.0 W LEVELLAND	09/07/07 14:15 CST		0.25M	Thunderstorm Wind (EG 52 kt)
WHITHARRAL	09/07/07 14:50 CST		0	33.58N, 102.596W ~ 33.73N, 102.33W

Local law enforcement officials and the public reported wind gusts to 60 mph across Hockley county. The swath of winds downed several power poles from west of Levelland along Texas Highway 114 to Whitharral. Additionally, a 300 pound diesel fuel tank also was blown over just east of the Hockley and Cochran county line along Texas Highway 114.

CASTRO COUNTY

3.0 NW NAZARETH	09/07/07 14:25 CST		0.10M	Thunderstorm Wind (EG 65 kt)
	09/07/07 14:25 CST		0	34.5807N, 102.137W

Damaging winds accompanied a rapidly intensifying severe storm near Nazareth. Two grain bins were destroyed northwest of the town.

CASTRO COUNTY

3.6 ENE NAZARETH	09/07/07 14:43 CST		75K	Tornado (EF1, L: 1.50 mi , W: 75 yd)
4.0 E NAZARETH	09/07/07 14:47 CST		0	34.5699N, 102.042W ~ 34.55N, 102.03W

Local officials reported that an apparent tornado severely damaged two barns on a farmstead east-northeast of Nazareth. Doppler radar signatures additionally supported the potential for tornadic activity, as the storm that initially produced damaging winds northwest of Nazareth evolved to display a supercell structure and sharply turned its direction of movement towards the southeast.

SWISHER COUNTY

5.6 SW TULIA	09/07/07 15:50 CST		0	Tornado (EF0, L: 1.25 mi , W: 75 yd)
5.2 SSW TULIA	09/07/07 15:56 CST		0	34.4728N, 101.84W ~ 34.4606N, 101.805W

Multiple employees at a cattle feed yard in rural southwestern Swisher County observed a tornado that developed over open country southwest of Tulia. No damage was reported. The tornado was spawned by the same storm that resulted in tornadic damage near Nazareth (Castro County) during the previous hour.

TERRY COUNTY

2.0 S BROWNFIELD	09/07/07 16:05 CST		0	Thunderstorm Wind (MG 55 kt)
	09/07/07 16:05 CST		0	33.1511N, 102.28W

A Texas Tech University West Texas mesonet site south of Brownfield recorded a peak wind gust of 63 mph.

TERRY COUNTY

BROWNFIELD	09/07/07 21:09 CST		0	Flash Flood (due to Heavy Rain)
2.0 SW BROWNFIELD	09/07/07 23:09 CST		0	33.18N, 102.28W ~ 33.1596N, 102.304W

Heavy rain from thunderstorms in Terry County caused flash flooding in Brownfield. The Terry County Emergency Management Agency reported that Old Lamesa Road in Brownfield was completely inundated with flowing flood waters as were several other side streets in Brownfield.

Scattered convection developed over the west Texas South Plains region during the afternoon and evening hours of the 6th. An initial severe storm over northern Lynn County produced large hail that destroyed 2,500 acres of cotton northwest of Tahoka. A few storms evolved into supercells, and produced large hail, damaging thunderstorm winds, and even a pair of tornadoes. The most significant storm damage was in northeastern Castro County, where thunderstorm winds damaged grain bins. In addition, a weak tornado destroyed two barns east-northeast of Nazareth. The parent supercell thunderstorm that resulted in this damage went on to produce a second tornado in rural Swisher County. Large hail additionally destroyed 2,500 acres of cotton in Lynn County.

LAMB COUNTY

2.0 S LITTLEFIELD	09/26/07 15:30 CST		0	Hail (1.00 in)
5.0 SE LITTLEFIELD	09/26/07 15:40 CST		0.10M	33.8911N, 102.32W ~ 33.8689N, 102.258W

Newspaper articles reported that hail damaged cotton crops across southeastern Lamb County during the afternoon hours of the 26th. At least 400 acres of cotton were "beaten up" south of Littlefield. Reports indicated that many leaves were stripped from the cotton plants by hail estimated up to one inch in diameter. In addition to hail, strong winds accompanied the storm, and were sufficient to break small tree limbs at a farmstead south of Littlefield.

HOCKLEY COUNTY

Storm Data and Unusual Weather Phenomena - September 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
2.0 NW ANTON	09/26/07 15:40 CST		5K	Hail (1.75 in)
3.0 S ANTON	09/26/07 15:55 CST		0.10M	33.8405N, 102.195W ~ 33.7766N, 102.17W

A severe thunderstorm produced large hail that damaged property and cotton crops in the Anton vicinity during the afternoon hours of the 26th. Hail initially caused minor damage to crops northwest of Anton, but more intense damage south of the city was noted by farmers quoted in newspaper articles, where up to seventy-five percent of the crops were heavily damaged. In addition, hailstones up to the size of golf balls reportedly broke windows at a Hockley County maintenance barn just south of Anton. Measurements from the Texas Tech University West Texas Mesonet indicate that the hail also was periodically associated with severe wind gusts.

HOCKLEY COUNTY

6.0 SSW ANTON	09/26/07 15:50 CST		0	Thunderstorm Wind (MG 50 kt)
	09/26/07 15:50 CST		0	33.7399N, 102.21W

The Texas Tech University West Texas Mesonet site near Anton recorded a 58 mph wind gust as a severe thunderstorm impacted northeastern Hockley County. No damage was reported.

LUBBOCK COUNTY

(REE)REESE AFB LUBBO	09/26/07 16:30 CST		75K	Thunderstorm Wind (MG 55 kt)
(LBB)LUBBOCK INTL AR	09/26/07 16:57 CST		0	33.6N, 102.05W ~ 33.67N, 101.82W

A severe thunderstorm impacted the Lubbock vicinity with damaging winds and large hail during the late afternoon hours of the 26th. Severe wind gusts that peaked as high as 62 mph were recorded by the Texas Tech University West Texas Mesonet site at Reese Center between 16:30 and 16:40 CST. The winds then spread east-northeast over the northwestern half of the city. A peak gust of 63 mph was measured by the Automated Surface Observing System at the Lubbock Preston Smith International Airport at 16:57 CST.

The winds downed several trees, power lines and poles, and numerous large tree limbs across the northwestern portion of the city. A utility pole fell onto a car on the northern stretch of Loop 289. Windows were additionally blown out of a business on Avenue Q. More than 3,500 homes and businesses were without electrical service for approximately three hours. Despite the damages, no injuries were reported.

LUBBOCK COUNTY

7.0 NW LUBBOCK	09/26/07 16:40 CST		0.10M	Flash Flood (due to Heavy Rain)
LUBBOCK	09/26/07 18:00 CST		0	33.6516N, 101.936W ~ 33.58N, 101.85W

Local newspapers and law enforcement officials reported that very heavy rainfall resulted in flash flooding in rural areas northwest of Lubbock. News articles also indicated that "numerous" vehicles became stranded in high water flowing through city streets. The Lubbock County Sheriff's Office reported that a motorist escaped her car moments before it was swept away from a rural roadway in northwest Lubbock County. No injuries were reported.

LUBBOCK COUNTY

4.0 E (REE)REESE AFB LUBBO	09/26/07 16:50 CST		0	Hail (0.88 in)
4.0 SW LUBBOCK	09/26/07 17:04 CST		0	33.6N, 101.981W ~ 33.5391N, 101.899W

A severe thunderstorm impacted the Lubbock vicinity with damaging winds and large hail. Nickel size hail was initially reported in northwest Lubbock at 16:50 CST. Storm spotters continued to report nickel size hail along a swath to near 62nd Street and Indiana through 17:04 CST. No damage from the hail was reported.

A complex of severe storms developed during the late afternoon hours of the 26th over portions of Lamb and Hockley Counties, and propagated southeastward over Lubbock. The storms produced heavy rains, hail, and severe winds that resulted in a swath of damage. Cotton crops were heavily damaged over parts of southern Lamb County and northern Hockley County. Wind damage was common in the vicinity, where gusts as high as 63 mph were recorded. Despite damage to several vehicles and structures, no injuries were reported.

COTTLE COUNTY

7.0 N PADUCAH	09/27/07 16:10 CST		0	Hail (1.75 in)
8.0 N PADUCAH	09/27/07 16:30 CST		0	34.1212N, 100.3W ~ 34.1357N, 100.3W

Multiple reports indicated that nickel to golf ball size hail fell along U.S. Highway 62/83 near the small community of Dunlap north of Paducah. No damage was reported.

HALE COUNTY

3.0 W COTTON CENTER	09/27/07 16:45 CST		0	Tornado (EF0, L: 2.40 mi , W: 40 yd)
5.2 WNW COTTON CENTER	09/27/07 16:52 CST		12K	34N, 102.052W ~ 34.0288N, 102.084W

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<p>At 16:45 CST the Federal Aviation Administration relayed a pilot report of a tornado just west of Cotton Center. The tornado had formed along an outflow boundary beneath a rapidly developing severe thunderstorm. The highly visible landspout-type tornado was observed by many officials and the general public from portions of at least three counties as it moved west-northwestward over farm land until it dissipated just south of Corry (extreme eastern Lamb County) at 16:55 CST.</p> <p>An eyewitness reported that the tornado briefly "broke-up" as it crossed Texas Farm to Market Road 37 near the Hale and Lamb County line, then reformed as it crossed into Lamb County. Although no structural damage occurred, farmers reported that the track of the tornado was visible through cotton and wheat fields.</p>				
LAMB COUNTY				
8.3 ESE FIELDTON	09/27/07 16:52 CST		0	Tornado (EF0, L: 0.75 mi , W: 40 yd)
7.5 ESE FIELDTON	09/27/07 16:55 CST		3K	33.9844N, 102.087W ~ 33.9885N, 102.099W
<p>At 16:45 CST the Federal Aviation Administration relayed a pilot report of a tornado just west of Cotton Center (western Hale County). The tornado had formed along an outflow boundary beneath a rapidly developing severe thunderstorm. The highly visible landspout-type tornado was observed by many officials and the general public from portions of at least three counties as it moved west-northwestward over farm land until it dissipated just south of Corry (extreme eastern Lamb County) at 16:55 CST.</p> <p>An eyewitness reported that the tornado briefly "broke-up" as it crossed Texas Farm to Market Road 37 near the Hale and Lamb County line, then reformed as it crossed into Lamb County. Although no structural damage occurred, farmers reported that the track of the tornado was visible through cotton and wheat fields.</p>				
HALE COUNTY				
1.0 W COTTON CENTER	09/27/07 17:10 CST		0	Hail (1.00 in)
3.0 W COTTON CENTER	09/27/07 17:30 CST		40K	34N, 102.017W ~ 34N, 102.052W
<p>Local residents and newspaper articles reported that large hail up to the size of quarters resulted in localized crop damage west of Cotton Center. The hail reportedly accumulated a few inches deep on the ground.</p>				
HALE COUNTY				
1.0 W COTTON CENTER	09/27/07 17:20 CST		0	Flash Flood (due to Heavy Rain)
3.0 W COTTON CENTER	09/27/07 18:30 CST		0	34N, 102.017W ~ 34N, 102.052W
<p>A broadcast media storm chaser photographed rapidly flowing flood waters pouring from cotton fields west of Cotton Center. The flood waters covered portions of Texas Farm to Market Road 37 west of Cotton Center. No damage was reported.</p>				
KING COUNTY				
3.0 W GUTHRIE	09/27/07 17:30 CST		1K	Thunderstorm Wind (EG 52 kt)
	09/27/07 17:30 CST		0	33.62N, 100.382W
<p>A National Weather Service cooperative observer reported that severe thunderstorm wind gusts up to 60 mph damaged tents and other lightweight objects in Guthrie. A National Weather Service survey team found large tree branches up to 5 inches in diameter that were blown down by the winds just west of the city. No structural damage or injuries were reported.</p>				
CHILDRESS COUNTY				
1.0 W KIRKLAND	09/27/07 17:45 CST		0	Hail (1.75 in)
	09/27/07 17:45 CST		0	34.38N, 100.088W
<p>A National Weather Service cooperative observer reported large hail that ranged between pea and golf ball size just west of Kirkland. No damage was reported.</p>				
FLOYD COUNTY				
2.0 N DOUGHERTY	09/27/07 23:05 CST		0	Hail (0.75 in)
3.0 N DOUGHERTY	09/27/07 23:15 CST		0.50M	33.9589N, 101.08W ~ 33.9734N, 101.08W
<p>A severe storm embedded within a lingering convective complex produced large hail that destroyed up to 700 acres of cotton north of Dougherty. Farmers reported localized rainfall totals that approached five inches, however, no reports of flash flooding were received.</p> <p>Isolated severe thunderstorms impacted portions of the west Texas South Plains region during the late afternoon and evening hours of the 27th. Severe storms over Childress, Cottle, Floyd, and King Counties produced large hail up to the size of golfballs and damaging winds.</p> <p>An isolated storm rapidly developed near an outflow boundary over western Hale County. This storm quickly produced a persistent and highly visible tornado that moved west-northwestward across farm land between Cotton Center (Hale County) and Corry (Lamb County). Only minor agricultural damage was reported.</p>				

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