

Storm Data and Unusual Weather Phenomena - August 2008

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

TEXAS, South Panhandle

HOCKLEY COUNTY --- SMYER [33.58, -102.17], 1.9 ESE SMYER [33.57, -102.14]

	08/10/08 16:30 CST		0	Hail (0.50 in)
	08/10/08 17:00 CST		10K	Source: Newspaper

Local newspapers reported that small hail caused minor damage to cotton crops just southeast of Smyer. Crop damages were reportedly light enough that crops were expected to generally recover by the end of the growing season.

Scattered thunderstorms impacted the western and central South Plains during the late afternoon hours of the 10th. Although no reports of large hail were received, local newspaper articles indicated that small hail stones lightly damaged cotton crops just southeast of Smyer (Hockley County).

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

	08/11/08 01:00 CST		0.10M	Lightning
	08/11/08 03:00 CST		0	Source: Broadcast Media

Very frequent cloud-to-ground lightning accompanied thunderstorm activity over the Lubbock vicinity during the very early morning hours of the 11th. A lightning strike caused damage to a water control system. The damage resulted in a water outage that impacted a portion of the city through much of the day.

A large complex of thunderstorms impacted the central South Plains of west Texas during the pre-dawn hours of the 11th. The early morning storms produced extensive lightning that damaged a water control system in Lubbock (Lubbock County).

HOCKLEY COUNTY --- 2.0 N PETTIT [33.73, -102.53], 2.8 S PETTIT [33.66, -102.53]

	08/11/08 18:25 CST		0	Hail (1.00 in)
	08/11/08 18:35 CST		0.15M	Source: Public

Local agricultural officials reported that a severe thunderstorm produced a swath of hail that ranged from the size of pennies to quarters from just north of Pettit to south of that town. The hail "stripped" cotton crops and "shredded" maize fields along Farm to Market Road 303.

COCHRAN COUNTY --- BLEDSOE [33.62, -103.02]

	08/11/08 20:10 CST		0	Hail (0.88 in)
	08/11/08 20:10 CST		0	Source: Public

The public reported penny to nickel size hail in Bledsoe.

Isolated severe thunderstorms impacted the western portions of the west Texas South Plains during the evening hours of the 11th. Hail associated with the storms heavily damaged cotton and maize crops in northwestern Hockley County.

BAILEY COUNTY --- MULESHOE WARREN ARPT [34.23, -102.70]

	08/13/08 15:00 CST		0	Thunderstorm Wind (MG 56 kt)
	08/13/08 15:00 CST		0	Source: Airplane Pilot

An anemometer located at the Muleshoe Warren Airport recorded a severe thunderstorm wind gust of 65 mph at 15:00 CST. No damage was reported.

LAMB COUNTY --- 5.0 NE EARTH [34.28, -102.34]

	08/13/08 15:55 CST		0	Hail (1.00 in)
	08/13/08 15:55 CST		0	Source: Public

The public reported quarter size hail northeast of Earth.

COCHRAN COUNTY --- MORTON [33.72, -102.77]

	08/13/08 16:00 CST		25K	Heavy Rain
	08/13/08 18:00 CST		0	Source: Newspaper

Thunderstorms produced heavy rainfall in the Morton vicinity during the late afternoon hours of the 13th, including a deluge of 0.35 inches in a five minute period per the Texas Tech University West Texas Mesonet. The heavy rain caused ponding of minor flood waters over a number of streets and caused a dam to wash out at the Morton Country Club.

LAMB COUNTY --- 0.6 SSE AMHERST [34.01, -102.41], 1.8 ENE AMHERST [34.03, -102.39]

Storm Data and Unusual Weather Phenomena - August 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/13/08 16:14 CST		15K	Thunderstorm Wind (MG 63 kt)
	08/13/08 16:17 CST		0	Source: Mesonet

The public estimated that thunderstorm wind gusts near 70 mph accompanied very heavy rainfall in Amherst around 16:15 CST. These estimates were confirmed by a nearby Texas Tech University West Texas Mesonet station which measured a 73 mph gust just east of the town. At least one irrigation pivot was destroyed by the winds north of Amherst.

CASTRO COUNTY --- 8.0 NW DIMMITT [34.63, -102.42]

08/13/08 16:35 CST	0	Hail (0.75 in)
08/13/08 16:35 CST	0	Source: Broadcast Media

The broadcast media relayed reports of penny size hail in Easter.

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

08/13/08 17:15 CST	0.15M	Lightning
08/13/08 17:45 CST	0	Source: Fire Department/Rescue

Lubbock Fire Department officials and the local broadcast media reported that lightning initiated three different house fires in the city during the 17:00 CST hour. Damages to two of the homes was classified as moderate to severe. No injuries were reported.

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

08/13/08 17:49 CST	0	Hail (1.00 in)
08/13/08 17:49 CST	0	Source: Trained Spotter

Skywarn storm spotters reported that large hail up to the size of quarters covered the ground along Farm to Market Road 3215 west of Dimmitt.

LYNN COUNTY --- TAHOKA [33.18, -101.78]

08/13/08 18:50 CST	5K	Thunderstorm Wind (MG 37 kt)
08/13/08 19:00 CST	0	Source: Newspaper

A local newspaper article showed pictures of a large tree that was blown down by thunderstorm winds and caused minor damage to a home in Tahoka. A nearby Texas Tech University West Texas Mesonet site recorded a peak gust of 43 mph just before 19:00 CST.

CASTRO COUNTY --- 1.0 S SUMMERFIELD [34.72, -102.50]

08/13/08 19:10 CST	0	Hail (0.75 in)
08/13/08 19:10 CST	0	Source: Storm Chaser

A storm chaser reported that pea size hail was accompanied by a few stones up to the size of pennies just south of Summerfield.

Scattered thunderstorms developed over the extreme southwestern Texas Panhandle and the northwestern South Plains of west Texas during the afternoon and evening hours of the 13th. Several storms became severe and produced large hail up to the size of quarters and wind gusts measured up to 73 mph. At least one irrigation pivot was destroyed by the strongest winds near Amherst (Lamb County). In addition, a tree was blown onto a home in Tahoka (Lynn County) and caused minor damage to the structure.

CASTRO COUNTY --- SUMMERFIELD [34.73, -102.50], HART [34.38, -102.12]

08/14/08 18:25 CST	0	Thunderstorm Wind (MG 53 kt)
08/14/08 19:20 CST	0	Source: Mesonet

Numerous reports of severe thunderstorm wind gusts were received as a linear convective complex moved southeastward over Castro County. A National Weather Service cooperative observer initially estimated wind gusts up to 60 mph in Summerfield at 18:25 CST. By 18:55 CST the public reported similar wind estimates in Nazareth. The Texas Tech University West Texas Mesonet site near Hart recorded gusts of 61 mph and 60 mph at 19:00 CST and 19:05 CST respectively. An additional report by the public indicated that large tree limbs were blown down southeast of Hart by 19:20 CST.

LAMB COUNTY --- 6.0 S OLTON [34.09, -102.13]

08/14/08 19:25 CST	0	Thunderstorm Wind (MG 50 kt)
08/14/08 19:25 CST	0	Source: Mesonet

The Texas Tech University West Texas Mesonet site near Olton measured a peak thunderstorm wind gust of 58 mph. No damage was reported.

HALL COUNTY --- 1.0 NE MEMPHIS [34.73, -100.52]

08/14/08 19:30 CST	10K	Thunderstorm Wind (MG 57 kt)
08/14/08 19:30 CST	0	Source: Mesonet

Storm Data and Unusual Weather Phenomena - August 2008

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

A brief but very intense thunderstorm wind gust of 66 mph was recorded by the Texas Tech University West Texas Mesonet site near Memphis. Local officials reported that the winds downed a number of power lines.

SWISHER COUNTY --- HAPPY [34.73, -101.85]

	08/14/08 19:30 CST		0	Thunderstorm Wind (EG 56 kt)
	08/14/08 19:30 CST		0	Source: Trained Spotter

A Skywarn storm spotter estimated that thunderstorm wind gusts approached 65 mph in Happy. The winds were accompanied by small hail. No damage was reported.

HALE COUNTY --- SETH WARD [34.22, -101.68], 1.0 NNE ABERNATHY [33.84, -101.85]

	08/14/08 19:55 CST		0.15M	Thunderstorm Wind (EG 56 kt)
	08/14/08 20:05 CST		0	Source: Law Enforcement

Hale County officials reported that numerous power lines were blown down by thunderstorm winds in Seth Ward. Damaging winds continued to accompany the convective complex southward across the county. Around 20:00 CST, winds estimated to approach 80 mph caused significant damage to two businesses near Interstate 27 in Abernathy. The roof was completely blown off of one industrial size metal structure, while another sustained partial roof loss. Subsequent wind and water damage inside the fully exposed building led to a total loss of that facility. No injuries were reported, but more than 5,200 homes and businesses were reportedly without utility power following the storm.

LUBBOCK COUNTY --- (LBB)LUBBOCK INTL AR [33.67, -101.82], 2.0 W BURRIS [33.53, -101.82]

	08/14/08 20:09 CST		20K	Thunderstorm Wind (MG 53 kt)
	08/14/08 20:28 CST		0	Source: ASOS

The Automated Surface Observing System at Lubbock's Preston Smith International Airport measured peak wind gusts of 61 mph between 20:09 CST and 20:12 CST. Numerous utility lines and poles were blown down by the winds as they moved southward across portions of Lubbock and resulted in a loss of electrical services to more than 5,000 Lubbock residents, generally east of Interstate 27. No serious structural damages were reported.

FLOYD COUNTY --- 2.0 NE FLOYDADA [34.00, -101.31], FLOYDADA [33.98, -101.33]

	08/14/08 20:20 CST		0	Thunderstorm Wind (MG 52 kt)
	08/14/08 20:25 CST		0	Source: Mesonet

A Texas Tech University West Texas Mesonet station just northeast of Floydada recorded a thunderstorm wind gust of 60 mph at 20:20 CST. By 20:25 CST, local law enforcement officials reported that several large trees had been blown down in the city.

MOTLEY COUNTY --- 3.0 N ROARING SPGS [33.94, -100.85]

	08/14/08 20:55 CST		0	Thunderstorm Wind (MG 50 kt)
	08/14/08 20:55 CST		0	Source: Mesonet

The Texas Tech University West Texas Mesonet station recorded a severe thunderstorm wind gust of 58 mph just north of Roaring Springs. No damage was reported.

CROSBY COUNTY --- 1.0 SE RALLS [33.67, -101.37], 7.0 NNW KALGARY [33.49, -101.20]

	08/14/08 21:00 CST		0	Thunderstorm Wind (MG 53 kt)
	08/14/08 21:35 CST		0	Source: Mesonet

Severe thunderstorm wind gusts of 61 mph were recorded by Texas Tech University West Texas Mesonet sites southeast of Ralls and northwest of White River Lake. No damage was reported.

DICKENS COUNTY --- 1.0 W SPUR [33.48, -100.87]

	08/14/08 21:15 CST		0	Thunderstorm Wind (MG 51 kt)
	08/14/08 21:15 CST		0	Source: Mesonet

The Texas Tech University West Texas Mesonet site near Spur measured a thunderstorm wind gust of 59 mph. No damage was reported.

KENT COUNTY --- 1.0 SSE JAYTON [33.24, -100.57]

	08/14/08 21:55 CST		0	Thunderstorm Wind (MG 53 kt)
	08/14/08 22:00 CST		0	Source: Mesonet

The Texas Tech University West Texas Mesonet site near Jayton recorded severe thunderstorm wind gusts of 59 mph and 61 mph at 21:55 CST and 22:00 CST respectively. No damage was reported.

STONEWALL COUNTY --- 3.0 NE ASPERMONT [33.18, -100.19]

Storm Data and Unusual Weather Phenomena - August 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/14/08 22:15 CST		0	Thunderstorm Wind (MG 54 kt)
	08/14/08 22:15 CST		0	Source: Mesonet

A Texas Tech University West Texas Mesonet site just northeast of Aspermont measured a severe thunderstorm wind gust of 62 mph. No damage was reported.

A linear convective complex, with occasional bow-shaped radar echoes, propagated southeastward over most of the west Texas South Plains. Numerous reports of damaging wind gusts were received, with most of the damage limited to utilities and trees. Some structural damage was reported in Abernathy, where a business was destroyed and another severely damaged. Local newspapers reported that at least 10,200 utility customers suffered electrical outages due to damaged lines and poles.

SWISHER COUNTY --- HAPPY [34.73, -101.85]

08/16/08 00:30 CST	0	Heavy Rain
08/16/08 02:00 CST	0	Source: Trained Spotter

Minor street flooding was reported in Happy following up to two inches of rain that accompanied a strong thunderstorm shortly after midnight CST on the 16th.

CASTRO COUNTY --- HART [34.38, -102.12]

08/16/08 01:00 CST	1K	Thunderstorm Wind (EG 50 kt)
08/16/08 01:10 CST	0	Source: Newspaper

A local newspaper reported that thunderstorm winds blew down a large sign at a business in Hart.

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

08/16/08 01:00 CST	0	Heavy Rain
08/16/08 03:00 CST	0	Source: Newspaper

Local newspapers published photos of standing water that ponded over a number of roadways in the Levelland area following early morning heavy rainfall. Unofficial rainfall totals reportedly approached 3.00 inches during the overnight storms, but a nearby Texas Tech University West Texas Mesonet site recorded only 1.52 inches. Minor flooding of low lying areas and turn rows was reported along U.S. Highway 385 and Alaska Road.

A complex of strong thunderstorms propagated southeastward from eastern New Mexico and the Texas Panhandle during the very early morning hours of the 16th. The storms produced widespread heavy rainfall over the South Plains region of west Texas. One report of minor street flooding was received from the Happy vicinity (Swisher County), and thunderstorm winds resulted in minor damage in Hart (Castro County).

CASTRO COUNTY --- DIMMITT [34.55, -102.32]

08/17/08 09:00 CST	0	Heavy Rain
08/17/08 18:00 CST	0	Source: Department of Highways

The Texas Department of Transportation reportedly monitored water flowing over U.S. Highway 86 in the Dimmitt vicinity following persistent and heavy rainfall. The roadway remained passable and no road closures were required.

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

08/17/08 09:00 CST	0	Heavy Rain
08/17/08 16:00 CST	0	Source: Law Enforcement

Local officials reported that heavy rainfall caused minor flooding and ponding of water over portions of U.S. Highway 70 near Earth. No road closures were reported.

PARMER COUNTY --- FARWELL [34.38, -103.03], 4.0 W FRIONA [34.63, -102.80]

08/17/08 09:00 CST	0	Heavy Rain
08/17/08 16:00 CST	0	Source: Law Enforcement

Local law enforcement officials reported that heavy rainfall caused minor flooding of low lying areas, including a number of roadways, across Parmer County. Water reportedly ponded over Farm to Market Road 2013 west of Friona in addition to several roadways in the Farwell vicinity. No road closures were required.

A wet weather pattern settled over the west Texas South Plains region between the 10th and the 18th of August. Intermittent heavy rainfall over the course of several days eventually led to minor flooding over portions of the extreme southwestern Panhandle and the northwestern South Plains, where storm total rainfall amounts through the week ranged between five and seven inches. Although water levels rose in low lying areas and playa lakes sufficiently to cause ponding of water over several highways, no significant flooding or flash flooding was reported.

Storm Data and Unusual Weather Phenomena - August 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DICKENS COUNTY --- MC ADOO [33.73, -100.98]				
	08/18/08 17:49 CST	0		Hail (1.75 in)
	08/18/08 17:49 CST	0		Source: Law Enforcement

Dickens County law enforcement officials reported golfball size hail in McAdoo. No damage was reported.

DICKENS COUNTY --- SPUR [33.48, -100.85]				
	08/18/08 18:52 CST	0		Thunderstorm Wind (EG 52 kt)
	08/18/08 18:52 CST	0		Source: Public

The public estimated thunderstorm wind gusts between 50 and 60 mph in Spur at 18:52 CST. A nearby Texas Tech University West Texas Mesonet site recorded a peak gust of 50 mph at 18:55 CST. No damage was reported.

Scattered thunderstorms developed over the eastern South Plains and the Rolling Plains of west Texas during the late afternoon and early evening hours of the 18th. A few storms intensified to severe levels, and produced large hail up to the size of golfballs and wind gusts up to 60 mph. No damage was reported.

SWISHER COUNTY --- 5.0 E KRESS [34.37, -101.66]				
	08/28/08 15:00 CST	0		Heavy Rain
	08/28/08 17:00 CST	0		Source: Newspaper

Local newspapers printed photographs which showed ponding of water that inundated sections of Farm to Market Road 145 east of Kress. The water covered that highway following locally heavy rainfall during the afternoon hours. Event time is estimated.

Isolated to scattered thunderstorms produced localized heavy rainfall over the extreme southern Texas Panhandle during the afternoon hours of the 28th. Ponding of water over roadways was reported in Swisher County.