

Storm Data and Unusual Weather Phenomena - May 2008

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

HOCKLEY COUNTY --- 4.5 NNW SMYER [33.64, -102.19], 4.3 N SMYER [33.64, -102.17]

05/07/08 10:50 CST	0	Tornado (EF0, L: 1.20 mi , W: 20 yd)
05/07/08 10:52 CST	0	Source: Law Enforcement

A rope-shaped tornado was witnessed by several people north of Smyer just before 11:00 CST. The tornado reportedly remained in open fields near the Spade Ranch north of Texas Highway 114, and generally west of Farm to Market Road 168. Although the tornado may have actually crossed Farm to Market Road 168 before it dissipated, no damage was reported.

LUBBOCK COUNTY --- 4.0 ESE WOLFFORTH [33.48, -101.96], 0.6 WNW POSEY [33.48, -101.71]

05/07/08 10:58 CST	0	Hail (1.00 in)
05/07/08 11:49 CST	0	Source: Broadcast Media

A pair of severe thunderstorms produced large hail over southern Lubbock and the surrounding area during the 11:00 CST hour.

An isolated storm developed near an outflow boundary over southwestern Lubbock County. Meteorologists from the Texas Tech University Atmospheric Science Department initially reported quarter size hail at the intersection of Farm to Market Road 1585 and Milwaukee Avenue at 10:58 CST. The storm moved east and continued to produce up to one inch diameter hail through 11:30 CST. Reports indicated that hail covered the ground near Woodrow, and eventually along U.S. Highway 84 at Posey.

Meanwhile, a thunderstorm which had earlier produced a tornado in eastern Hockley County resulted in a second hail swath across the city. Numerous reports were received of pea size hail across the southern half of Lubbock. A broadcast meteorologist reported that the copious amount of small hail was accompanied by several larger stones that ranged in size from nickels to quarters at the intersection of 98th and University. No damage was reported.

KING COUNTY --- 10.0 WSW GUTHRIE [33.56, -100.49], 10.0 E GUTHRIE [33.62, -100.16]

05/07/08 13:15 CST	0	Thunderstorm Wind (MG 50 kt)
05/07/08 13:33 CST	0	Source: Mesonet

The Texas Tech West Texas Mesonet site southwest of Guthrie recorded a severe thunderstorm wind gust of 58 mph at 13:15 CST. The storm continued to produce severe winds as it moved eastward, passing south of Guthrie, and then along U.S. Highway 82 east of the city. A resident at a ranch ten miles east of Guthrie estimated gusts up to 60 mph as the storm passed that location at 13:33. In addition, pea size hail reportedly covered the ground. No damage was reported.

(TX-Z043) KENT

05/07/08 13:15 CST	0	High Wind (MAX 51 kt)
05/07/08 14:15 CST	0	

Thunderstorms developed beneath the core of an upper level storm system as it translated eastward over the west Texas South Plains before midday on the 7th.

Some of these storms initiated along a weak pre-existing low-level boundary that was oriented west-northwest to east-southeast over portions of Hockley and Lubbock Counties. With very steep lapse rates and strong low-level instability along this boundary, storm updrafts provided enough stretching along the boundary to result in at least one tornado in eastern Hockley County. The storms then continued eastward producing up to one inch diameter hail over the southern half of Lubbock County.

The same complex of storms then moved eastward through the early afternoon hours. An additional cell strengthened to severe levels in King County and produced severe wind gusts.

West to northwesterly gradient winds increased in the wake of the departing storm system aloft and the convective activity. These winds, possibly enhanced by momentum transfer near weak convective showers, resulted in a period of high winds near Jayton (Kent County).

No damage was reported from any of the severe weather impacts across the west Texas South Plains on the 7th.

BAILEY COUNTY --- 5.5 WNW MAPLE [33.88, -102.99]

05/29/08 19:15 CST	0	Hail (0.75 in)
05/29/08 19:15 CST	0	Source: Public

Local farmers reported hail up to three-quarters of an inch in diameter northwest of Maple. The hail resulted in no agricultural damage since crops were recently planted, and had not yet sprouted.

An isolated low precipitation supercell moved eastward from the plains of New Mexico, and impacted portions of southern Bailey

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County during the evening hours of the 29th. Local farmers reported large hail just north of the Goodland and Maple communities.				
LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06], LUBBOCK [33.58, -101.85]				
	05/21/08 18:55 CST		0.10M	Thunderstorm Wind (MG 56 kt)
	05/21/08 19:20 CST		0	Source: Mesonet
The Texas Tech University West Texas Mesonet site near Wolfforth initially measured a 65 mph wind gust at 18:55 CST. Localized severe winds then spread northeastward with their parent virga showers over the city of Lubbock. At 19:20 CST, a 65 mph wind gust was measured at the KCBD-TV studios in south Lubbock. The winds caused minor roof damage, downed tree limbs and utility lines, and caused extensive damage to a local car wash facility. Blinding blowing dust also accompanied the winds. Portions of Avenue A between 45th and 50th Streets were briefly closed due to a downed power line.				
COCHRAN COUNTY --- 13.1 S WHITEFACE [33.41, -102.62]				
	05/21/08 19:40 CST		0	Thunderstorm Wind (MG 62 kt)
	05/21/08 19:40 CST		0	Source: Mesonet
A severe thunderstorm wind gust up to 71 mph was measured by the Texas Tech University West Texas Mesonet site near Sundown. No damage was reported.				
HOCKLEY COUNTY --- 6.0 NNW ROPESVILLE [33.50, -102.19], 6.0 SSW ANTON [33.74, -102.21]				
	05/21/08 20:06 CST		0	Thunderstorm Wind (MG 55 kt)
	05/21/08 20:30 CST		0	Source: Mesonet
A Texas Tech University West Texas Mesonet meteorologist estimated severe thunderstorm winds up to 65 mph northwest of Ropesville. The showers and thunderstorms, along with their associated winds, moved northward and resulted in a 63 mph gust as measured by the Texas Tech University West Texas Mesonet site near Anton at 20:30 CST. No damage was reported.				
LUBBOCK COUNTY --- REESE VLG [33.60, -102.02], (LBB)LUBBOCK INTL AR [33.67, -101.82]				
	05/21/08 20:25 CST		0.25M	Thunderstorm Wind (MG 51 kt)
	05/21/08 20:50 CST	2	0	Source: Mesonet
The Texas Tech University West Texas Mesonet site near Reese Center recorded a 59 mph wind gust. At 20:49 CST, an U.S. Air Force jet crashed short of the run way at Lubbock Preston Smith International Airport. Two pilots on board the plane suffered minor injuries, and were treated and released from a local hospital.				
Showers and thunderstorms developed within a very dry airmass over the western and central South Plains of west Texas during the evening hours of the 21st. Although almost no measurable rainfall occurred with the convection, evaporative cooling beneath virga resulted in prolific dry downburst activity. Severe winds in the Lubbock vicinity resulted in structural and tree damage over southern portions of the city. Blinding, blowing dust accompanied the winds but remained localized. Apparent downburst activity contributed to a crash landing of an U.S. Air Force jet near Lubbock Preston Smith International Airport. Two pilots on board the aircraft were transported to a local hospital with minor injuries.				
HALL COUNTY --- 2.0 N LAKEVIEW [34.70, -100.70]				
	05/22/08 15:00 CST		0	Hail (0.75 in)
	05/22/08 15:00 CST		0	Source: Public
The public reported penny size hail in Lakeview.				
A severe thunderstorm developed along the dryline over Hall County during the late afternoon hours of the 22nd. This storm was at the southern extent of a widespread Southern Plains severe weather episode which impacted the Texas Panhandle, western Oklahoma, Kansas, and Colorado.				
KING COUNTY --- 13.0 E GUTHRIE [33.62, -100.10]				
	05/13/08 23:05 CST		0	Hail (1.00 in)
	05/13/08 23:05 CST		0	Source: Public
The public reported one inch hail at a residence on the Four 6's Ranch east of Guthrie.				
An isolated severe thunderstorm impacted eastern King County during the late evening hours of the 13th. Large hail was reported on the Four 6's Ranch north of U.S. Highway 82.				
YOAKUM COUNTY --- 14.0 WSW PLAINS [33.10, -103.05]				
	05/14/08 13:25 CST		0	Hail (0.88 in)
	05/14/08 13:25 CST		0	Source: Trained Spotter
Storm Spotters reported nickel size hail along U.S. Highway 82 near the Texas and New Mexico state line southwest of Plains.				

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YOAKUM COUNTY --- 12.2 ENE DENVER CITY ARPT [33.06, -102.65], 14.0 ESE PLAINS [33.08, -102.62]				
	05/14/08 14:15 CST		0	Tornado (EF0, L: 1.91 mi , W: 75 yd)
	05/14/08 14:16 CST		0	Source: Public
<p>Yoakum County law enforcement officials received a 911 call from a motorists along U.S. Highway 82/380 whom reportedly observed a tornado southwest of his location. The report corresponds well with the inflow region of a supercell thunderstorm and convergent low-level velocity signatures in Doppler radar imagery. Although local officials found no evidence of damage in the rural area, it appears the brief tornado likely occurred near the intersection of Farm to Market Roads 213 and 1780.</p>				
LUBBOCK COUNTY --- 2.4 N LUBBOCK [33.61, -101.84], 2.5 NNE LUBBOCK [33.62, -101.84]				
	05/14/08 15:02 CST		0.10M	Tornado (EF0, L: 0.23 mi , W: 100 yd)
	05/14/08 15:03 CST		0	Source: NWS Storm Survey
<p>A relatively broad, but weak, tornadic circulation developed beneath a well-defined wall cloud near the north Loop 289 and Interstate 27 interchange in north Lubbock shortly after 15:00 CST. The brief tornado, which was photographed by a National Weather Service meteorologist, struck the Beck Steel industrial facilities and severely damaged the roof of a large metal warehouse-type structure. Car windows in a nearby parking lot also were blown out. Damage was consistent with 70 to 80 mph wind speeds via estimates using the Enhanced-Fujita Scale. No injuries were reported.</p>				
LUBBOCK COUNTY --- (LBB)LUBBOCK INTL AR [33.67, -101.82]				
	05/14/08 15:16 CST		0	Hail (0.75 in)
	05/14/08 15:23 CST		0	Source: Official NWS Observations
<p>Penny size hail was reported at the Lubbock Preston Smith International Airport.</p> <p>Severe thunderstorms developed over the western and central South Plains of west Texas during the afternoon hours of the 14th. These storms evolved in the vicinity of a pre-existing stalled frontal boundary.</p> <p>A few storms acquired supercell structures, and produced large hail. Low-level easterly winds provided a favorable wind shear environment for tornadoes. A brief tornado was observed by the public in extreme eastern Yoakum County. A second brief EF-0 tornado damaged the roof of a large metal industrial building and broke car windows in north Lubbock (Lubbock County).</p>				
CASTRO COUNTY --- 8.0 W DIMMITT [34.55, -102.46], 5.6 SSE SUMMERFIELD [34.65, -102.48]				
	05/05/08 19:20 CST		0	Hail (1.00 in)
	05/05/08 20:05 CST		0	Source: Law Enforcement
<p>Multiple reports were received from local officials and farmers of nickel to quarter size hail over portions of northwestern Castro County. Nickel size hail was initially reported west of Dimmitt near Farm to Market Road 1584. Reports of up to quarter size hail were received from the Easter vicinity as a thunderstorm complex evolved, expanded in area, and moved northeastward.</p>				
BAILEY COUNTY --- NEEDMORE [34.03, -102.73]				
	05/05/08 19:30 CST		0	Hail (0.88 in)
	05/05/08 19:30 CST		0	Source: Law Enforcement
<p>Local law enforcement officials reported nickel size hail in Needmore.</p>				
CASTRO COUNTY --- 7.0 E SUMMERFIELD [34.73, -102.38]				
	05/05/08 19:45 CST		5K	Thunderstorm Wind (EG 56 kt)
	05/05/08 19:55 CST		0	Source: Fire Department/Rescue
<p>Thunderstorm winds damaged the roof of a large metal barn at a rural residence east of Summerfield.</p>				
COCHRAN COUNTY --- 5.0 S MORTON [33.65, -102.77], WHITEFACE [33.60, -102.62]				
	05/05/08 21:35 CST		0	Hail (1.75 in)
	05/05/08 22:33 CST		0	Source: Law Enforcement
<p>Multiple reports indicated large hail that ranged from nickel to golf ball size along a swath from south of Morton to Whiteface. Nickel size hail was initially reported along Texas Highway 214 between Morton and Lehman at 21:35 CST. By 22:25 CST hail stones up to the size of golf balls were falling in Whiteface. No damage was reported.</p>				
HOCKLEY COUNTY --- 0.6 W COBLE [33.60, -102.51], LEVELLAND [33.58, -102.37]				
	05/05/08 22:52 CST		0	Hail (1.75 in)
	05/05/08 23:25 CST		0	Source: Broadcast Media

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<p>The severe storm that impacted Whiteface (Cochran County) moved eastward across portions of Hockley County. Numerous reports of large hail up to the size of golf balls generally along Texas Highway 114 from the Cochran and Hockley County line eastward to Levelland were relayed by the broadcast media. No damage was reported.</p>				
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HOCKLEY COUNTY --- LEVELLAND [33.58, -102.37]				
	05/05/08 23:20 CST		0	Heavy Rain
	05/06/08 02:30 CST		0	Source: Newspaper
<p>Local newspaper reports indicate that between 2.50 and 2.75 inches of rainfall occurred in the Levelland vicinity in the hours around midnight on the 5th. The heavy rainfall caused ponding over a number of area roadways, and the Texas Department of Transportation was dispatched to barricade some of the flooded roads.</p>				
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HOCKLEY COUNTY --- 6.0 SSW ANTON [33.74, -102.21], 6.0 NNW ROPESVILLE [33.50, -102.19]				
	05/06/08 01:05 CST		0	Thunderstorm Wind (MG 54 kt)
	05/06/08 01:10 CST		0	Source: Mesonet
<p>A linear complex of severe thunderstorms produced widespread damaging winds over eastern Hockley County shortly after 01:00 CST. The Texas Tech University West Texas Mesonet site south of Anton initially recorded 62 mph winds at 01:05 CST. By 01:10 CST, multiple reports of minor tree damage were received from both the Smyer and Ropesville areas.</p>				
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TERRY COUNTY --- BROWNFIELD [33.18, -102.28]				
	05/06/08 01:30 CST		10K	Thunderstorm Wind (EG 52 kt)
	05/06/08 01:30 CST		0	Source: Newspaper
<p>Local newspaper accounts indicate that damaging thunderstorm winds broke at least one utility pole in Brownfield. A combination of thunderstorm winds and lightning contributed to lost electrical service for a "sizable" section of the city.</p>				
<p>Scattered thunderstorms developed over the western South Plains during the late evening hours of the 5th, and this activity evolved into a linear convective complex during the overnight hours. Large hail up to the size of golf balls and damaging thunderstorm winds were observed over the western counties of the South Plains.</p>				
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YOAKUM COUNTY --- 7.0 WNW DENVER CITY [33.01, -102.96], 3.0 N PLAINS [33.22, -102.83]				
	05/25/08 16:30 CST		0	Thunderstorm Wind (MG 68 kt)
	05/25/08 16:50 CST		0	Source: Mesonet
<p>A swath of severe winds initiated over southwestern Yoakum County at 16:30 CST as intense outflow organized in advance of a thunderstorm complex. A 60 mph gust was first recorded by the Texas Tech University West Texas Mesonet site west of Denver City. By 16:35 CST, however, wind gusts had increased to 78 mph as measured by the same automated weather station. These intense winds continued as the convection spread northeastward, with a 75 mph gust measured near Plains at 16:50 CST.</p>				
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COCHRAN COUNTY --- 14.0 SSW WHITEFACE [33.41, -102.71], 1.0 ENE MORTON [33.73, -102.75]				
	05/25/08 17:05 CST		0	Thunderstorm Wind (MG 69 kt)
	05/25/08 17:25 CST		0	Source: Mesonet
<p>Severe winds associated with a broad scale thunderstorm outflow and an accompanying blinding dust storm spread northward over Cochran County shortly after 18:00 CST. A peak wind gust of 79 mph was recorded by a Texas Tech University West Texas Mesonet site south of Whiteface. Winds gusting as high as 68 mph also were measured by the Texas Tech University West Texas Mesonet near Morton at 17:25 CST.</p>				
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HOCKLEY COUNTY --- 4.0 S LEVELLAND [33.52, -102.37], 6.0 NNW ROPESVILLE [33.50, -102.19]				
	05/25/08 17:25 CST		60K	Thunderstorm Wind (MG 60 kt)
	05/25/08 18:20 CST		0	Source: Mesonet
<p>Damaging winds and blinding blowing dust associated with well-organized thunderstorm outflow spread northeastward over parts of Hockley County during the early evening of the 25th. Severe wind gusts up to 61 mph were initially recorded by the Texas Tech University West Texas Mesonet south of Levelland at 17:25 CST. By 17:55 CST, however, gusts at the same site had intensified to a peak speed of 69 mph. Similar wind speeds, up to 65 mph, were estimated by a Texas Tech University West Texas Mesonet meteorologist near Ropesville at 17:50 CST. More than thirty wood utility poles were broken by the winds along Texas Highway 114 just east of Levelland.</p>				
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BAILEY COUNTY --- 14.0 WSW NEEDMORE [33.95, -102.96], MULESHOE [34.22, -102.73]				
	05/25/08 17:30 CST		0	Hail (1.75 in)
	05/25/08 17:40 CST		0	Source: Law Enforcement

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<p>Multiple reports of large hail were received as a severe thunderstorm impacted a swath from near Maple to Muleshoe. A report of golf ball size hail near Maple was initially relayed by the broadcast media near Maple at 17:30 CST. By 17:33, penny size hail was reported in Muleshoe. Hail stones then grew larger, with nickel size hail reported in the city at 17:40 CST. The hail was also accompanied by damaging winds.</p>				
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BAILEY COUNTY --- 2.0 SSW MULESHOE [34.19, -102.74], 8.0 E MULESHOE [34.22, -102.59]				
	05/25/08 17:35 CST		0.25M	Thunderstorm Wind (MG 51 kt)
	05/25/08 17:45 CST		0	Source: Mesonet
<p>Severe thunderstorm winds resulted in considerable damage in the Muleshoe vicinity between 17:35 and 17:45 CST on the 25th. Extensive damage occurred to a pair of trailer homes just southeast of the city, when one was rolled by the winds and a second home sustained heavy roof damage. A barn was additionally reported to have been destroyed and large pieces of debris obstructed a county road just northeast of Muleshoe. East of the city, extensive damage occurred at a cattle dairy, where 1,500 stables were destroyed and at least three calves were killed. Local utility companies reported nearly 100 power poles were downed by the winds. The damaging winds were accompanied by large hail. The Texas Tech University West Texas Mesonet near Muleshoe recorded a peak wind gust of 59 mph at 17:45 CST, but winds associated with the damaging were likely stronger. No injuries were reported.</p>				
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PARMER COUNTY --- 7.5 SW LAZBUDDIE [34.30, -102.71], LAZBUDDIE [34.38, -102.62]				
	05/25/08 17:45 CST		0	Hail (1.75 in)
	05/25/08 18:02 CST		0	Source: Fire Department/Rescue
<p>Large hail accompanied severe thunderstorms in the Lazbuddie vicinity around 18:00 CST on the 25th. Golf ball size hail was initially reported along Texas Highway 214 north of Muleshoe, just north of the Parmer and Bailey County line. By 17:02 CST, quarter size hail reportedly covered the ground in Lazbuddie per local fire department officials. The hail was intermittently accompanied by severe wind gusts. No damage was reported.</p>				
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LAMB COUNTY --- LITTLEFIELD [33.92, -102.32], 6.0 S OLTON [34.09, -102.13]				
	05/25/08 17:50 CST		20K	Thunderstorm Wind (MG 57 kt)
	05/25/08 18:45 CST		0	Source: Mesonet
<p>A swath of severe winds accompanied a complex of thunderstorms over central and northeastern portions of Lamb County during the evening hours of the 25th. A 59 mph wind gust was initially recorded by the Texas Tech University West Texas Mesonet site near Amherst at 17:50 CST. A wind gust up to 66 mph also was recorded by the Texas Tech University West Texas Mesonet south of Olton at 18:35 CST. Local officials and newspapers additionally reported light damage in the city of Littlefield. A fence was blown down at the Littlefield High School, and a roof was partially blown off of a building. Several power lines also were blown down. Widespread blowing dust also accompanied the winds.</p>				
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(TX-Z035) LUBBOCK				
	05/25/08 18:00 CST		0	Dust Storm
	05/25/08 18:30 CST		0	
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PARMER COUNTY --- 2.0 N LAZBUDDIE [34.41, -102.62], 2.0 NE FRIONA [34.65, -102.71]				
	05/25/08 18:04 CST		0	Thunderstorm Wind (MG 56 kt)
	05/25/08 18:10 CST		0	Source: Mesonet
<p>Severe thunderstorm wind gusts accompanied thunderstorms, and at times large hail, along a swath from near Lazbuddie to Friona. Local fire department officials reported severe winds just north of Lazbuddie at 18:05 CST. Meanwhile, gusts up to 64 mph were recorded by both the Texas Tech University West Texas Mesonet and the KVII-TV schoolnet near Friona.</p>				
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CASTRO COUNTY --- 2.0 N DIMMITT [34.58, -102.32], 3.0 N HART [34.42, -102.12]				
	05/25/08 18:20 CST		25K	Thunderstorm Wind (MG 62 kt)
	05/25/08 18:45 CST		0	Source: Mesonet
<p>A swath of damaging winds spread eastward over portions of Castro County around 18:30 CST. A 71 mph gust was initially measured by the Texas Tech University West Texas Mesonet near Dimmitt at 18:20 CST, were several large trees were blown down and the roof was partially blown off of the school gym. By 18:35 CST, trees nearly one foot in diameter were blown down north of Nazareth as severe winds and hail impacted the area. At 17:45 CST, additional severe thunderstorm wind gusts up to 60 mph also were recorded by the Texas Tech University West Texas Mesonet near Amherst.</p>				
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CASTRO COUNTY --- 10.0 N NAZARETH [34.69, -102.10]				
	05/25/08 18:35 CST		0	Hail (0.75 in)
	05/25/08 18:35 CST		0	Source: Public
<p>Penny size hail accompanied by damaging winds were reported near the intersection of Texas Highways 168 and 1075 north of Nazareth.</p>				
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SWISHER COUNTY --- HAPPY [34.73, -101.85]				

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	05/25/08 18:43 CST		0	Thunderstorm Wind (MG 56 kt)
	05/25/08 19:20 CST		0	Source: Mesonet

The KVII-TV schoolnet in Happy recorded intermittent severe thunderstorm wind gusts up to 65 mph in Happy between 18:43 and 19:20 CST.

A complex of thunderstorms developed over the Texas and New Mexico border region during the late afternoon of the 25th and propagated eastward over the western South Plains. Hot afternoon temperatures over the region and relatively dry air in the sub-cloud layer contributed to an enhanced potential for dangerous thunderstorm winds.

A mesoscale cold pool organized as thunderstorms evolved into a complex over the western South Plains during the early evening hours. The intense outflow, characterized by a blinding wall of blowing dust, resulted in significant and widespread damage in a number of South Plains communities. Multiple wind gusts between 70 and 80 mph were recorded by area meteorological mesonets, including the Texas Tech University West Texas Mesonet.

A dairy farm east of Muleshoe (Bailey County) suffered extensive damage and a number of cattle were killed. At least two trailer homes were additionally heavily damaged and/or destroyed there. More than 130 utility poles were blown down across the area. Damages were estimated to exceed \$350,000 across the region. No injuries were reported.

MOTLEY COUNTY --- 3.0 W ROARING SPGS [33.90, -100.90]

05/27/08 15:30 CST	0	Hail (1.75 in)
05/27/08 15:30 CST	0	Source: Fire Department/Rescue

The Motley County Fire Department reported large hail ranging in size from dimes to golf balls along Farm to Market Road 684 west of Roaring Springs.

LUBBOCK COUNTY --- SHALLOWATER [33.68, -101.98]

05/27/08 15:56 CST	0	Hail (0.88 in)
05/27/08 15:56 CST	0	Source: Trained Spotter

Multiple reports of dime to nickel size hail were received as a storm impacted Shallowater just before 16:00 CST on the 27th. The hail reportedly covered the ground.

DICKENS COUNTY --- 4.0 NNW AFTON [33.80, -100.83], 17.0 ENE DICKENS [33.71, -100.56]

05/27/08 16:02 CST	0	Hail (1.75 in)
05/27/08 17:05 CST	0	Source: Fire Department/Rescue

The Motley County Fire Department continued to report large hail up to the size of golf balls as a severe thunderstorm tracked southeastward into northern Dickens County. At 16:02 CST, golf ball size hail was reported near Texas Highway 70 near the community of Glenn. Large hail continued along a swath southeastward as storms expanded and moved southeastward over northeastern Dickens County. Farmers reported that hail up to the size of quarters covered the ground east of Dickens, north of U.S. Highway 62/82.

LUBBOCK COUNTY --- 3.0 WSW LUBBOCK [33.56, -101.90], 4.0 NE LUBBOCK [33.62, -101.80]

05/27/08 16:20 CST	0	Hail (0.88 in)
05/27/08 16:50 CST	0	Source: Public

Numerous reports of large hail were received as a severe thunderstorm impacted areas near downtown Lubbock northeastward to just east of Preston Smith International Airport. At 16:20 CST the public reported nickel size hail at the intersection of 19th Street and Indiana Avenue in Lubbock. By 16:29 CST, nickel size hail was reported at 4th Street and Interstate 27 in north Lubbock. Penny size hail was additionally reported along Farm to Market Road 1729 northeast of the city at 16:50 CST.

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

05/27/08 16:30 CST	0	Hail (1.50 in)
05/27/08 16:30 CST	0	Source: Trained Spotter

Skywarn Storm Spotters reported ping pong ball hail accompanied by thunderstorm wind gusts estimated near 70 mph in Crosbyton. No significant damage was reported.

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

05/27/08 16:30 CST	0	Thunderstorm Wind (EG 61 kt)
05/27/08 16:30 CST	0	Source: Trained Spotter

Skywarn Storm Spotters reported ping pong ball size hail accompanied by thunderstorm wind gusts estimated near 70 mph in Crosbyton. No significant damage was reported.

LUBBOCK COUNTY --- 1.0 N LUBBOCK [33.59, -101.85]

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	05/27/08 16:30 CST		5K	Thunderstorm Wind (EG 52 kt)
	05/27/08 16:30 CST		0	Source: Broadcast Media
Local media relayed reports of a large tree that was blown onto a house in north Lubbock. A nearby utility pole was additionally downed by severe thunderstorm winds. The damage corresponded to a well-defined downburst signature in Doppler radar imagery.				
LUBBOCK COUNTY --- LUBBOCK [33.58, -101.85]				
	05/27/08 16:30 CST		25K	Lightning
	05/27/08 16:30 CST		0	Source: Newspaper
Lightning sparked a structure fire near downtown Lubbock around 16:30 CST. A local business, located in the 600 block of Broadway Avenue, lost equipment in the fire. No injuries were reported. In addition, more than 350 homes and businesses were temporarily without power due to lightning strikes to local utilities.				
TERRY COUNTY --- 9.0 SW WELLMAN [32.96, -102.54], 3.0 W MEADOW [33.33, -102.25]				
	05/27/08 16:42 CST		0	Hail (1.75 in)
	05/27/08 17:39 CST		0	Source: Emergency Manager
Severe thunderstorms produced an intermittent swath of large hail over portions of Terry County for nearly an hour during the late afternoon and early evening of the 27th. Golf ball size hail was initially reported along U.S. 62/385 near the Gaines and Terry County line at 16:42 CST. By 17:22 CST, hail up to the size of nickels was reported northwest of Brownfield. Nickel size hail continued to accompany the storm northeastward to near Meadow by 17:39 CST.				
LUBBOCK COUNTY --- 1.1 W LUBBOCK [33.58, -101.87], 1.3 SW LUBBOCK [33.57, -101.87], 2.4 E LUBBOCK [33.58, -101.81], 3.0 S (LBB)LUBBOCK INTL AR [33.63, -101.83], 2.6 NNW LUBBOCK [33.62, -101.87]				
	05/27/08 16:45 CST		5K	Flash Flood (due to Heavy Rain)
	05/27/08 21:00 CST		0	Source: Newspaper
Local newspapers reported that emergency officials conducted a swift water rescue of a stranded motorist in Lubbock. Heavy rainfall that accompanied severe storms, and associated runoff, caused many low lying areas in the northeastern portions of the city to become impassable due to high water. Around 20:00 CST the Lubbock Fire Department's Dive Team rescued a motorist from the hood of his stranded car in swiftly-flowing water at the intersection of Caesar Chavez Drive and Broadway Avenue. No injuries were reported.				
COTTLE COUNTY --- 9.0 S PADUCAH [33.89, -100.30]				
	05/27/08 16:53 CST		0	Hail (1.25 in)
	05/27/08 16:53 CST		0	Source: Fire Department/Rescue
Local fire department officials reported half dollar size hail south of Paducah near the intersection of U.S. Highway 62/83 and Farm to Market Road 452.				
LUBBOCK COUNTY --- 6.0 SSE IDALOU [33.59, -101.64]				
	05/27/08 17:12 CST		0	Hail (0.88 in)
	05/27/08 17:12 CST		0	Source: Trained Spotter
Storm spotters reported nickel size hail covering the ground along Farm to Market Road 40 east of that road's intersection with Farm to Market Road 400.				
DICKENS COUNTY --- DICKENS [33.62, -100.83]				
	05/27/08 17:38 CST		0	Thunderstorm Wind (EG 52 kt)
	05/27/08 17:38 CST		0	Source: NWS Employee
A National Weather Service meteorologist estimated that thunderstorm winds gusted as high as 60 mph in Dickens. No damage was reported.				
LUBBOCK COUNTY --- 4.0 SE WOODROW [33.41, -101.77]				
	05/27/08 17:45 CST		0	Hail (0.75 in)
	05/27/08 17:45 CST		25K	Source: Public
A local gin operator reported that approximately 100 acres of young cotton plants were destroyed by hail southeast of Woodrow around 17:45 CST.				
CROSBY COUNTY --- 2.0 S KALGARY [33.37, -101.15], 5.0 NE KALGARY [33.45, -101.09]				
	05/27/08 18:05 CST		0	Thunderstorm Wind (EG 52 kt)
	05/27/08 18:20 CST		0	Source: Trained Spotter
Both the public and trained storm spotters estimated thunderstorm wind gusts in excess of 60 mph along a swath from the Garza and Crosby County line south of Kalgary to White River Lake between 18:05 and 18:20 CST. No damage was reported.				

Storm Data and Unusual Weather Phenomena - May 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GARZA COUNTY --- 19.0 NE POST [33.37, -101.15]				
	05/27/08 18:05 CST		0	Thunderstorm Wind (EG 52 kt)
	05/27/08 18:20 CST		0	Source: Public
The public estimated severe thunderstorm wind gusts in excess of 60 mph near the Garza and Crosby County line south of Kalgary. No damage was reported.				
HALE COUNTY --- 6.0 NNW HALE CENTER [34.15, -101.87]				
	05/27/08 20:10 CST		0.15M	Thunderstorm Wind (EG 52 kt)
	05/27/08 20:10 CST		0	Source: Public
Local farmers reported that thunderstorm winds destroyed at least six irrigation pivot systems northwest of Hale Center.				
LYNN COUNTY --- 5.0 NW O'DONNELL [33.02, -101.89], 2.0 WNW O'DONNELL [32.98, -101.86]				
	05/28/08 00:10 CST		0	Thunderstorm Wind (EG 61 kt)
	05/28/08 00:20 CST		0.10M	Source: Public
Local agricultural officials reported that a swath of wind-blown hail, possibly up to nickel size with wind gusts estimated near 70 mph, destroyed at least 2,000 acres of young cotton plants northwest of O'Donnell between 00:10 and 00:20 CST on the 28th.				
LYNN COUNTY --- 5.0 NW O'DONNELL [33.02, -101.89], 2.0 WNW O'DONNELL [32.98, -101.86]				
	05/28/08 00:10 CST		0	Hail (0.88 in)
	05/28/08 00:20 CST		0.20M	Source: Public
Local agricultural officials reported that a swath of wind-blown hail, possibly up to nickel size with wind gusts estimated near 70 mph, destroyed at least 2,000 acres of young cotton plants northwest of O'Donnell between 00:10 and 00:20 CST on the 28th.				
Scattered thunderstorms erupted along a stalled frontal boundary over the central South Plains of west Texas during the afternoon hours of the 27th. Many of these storms, initially supercells, produced large hail and damaging winds. The activity gradually evolved into a linear complex of storms that propagated southeastward along with the frontal boundary during the late evening. Wind-blown hail damaged more than 2,000 acres of young cotton crops across the area. The worst agricultural damage was generally along the U.S. Highway 87 corridor south of Lubbock.				
BAILEY COUNTY --- 4.0 N ENOCHS [33.93, -102.77]				
	05/06/08 16:40 CST		0	Hail (0.75 in)
	05/06/08 16:40 CST		0	Source: Storm Chaser
Storm chasers reported penny size hail north of Enochs along Texas Highway 214 near the Muleshoe Wildlife Refuge.				
LUBBOCK COUNTY --- 2.0 WNW WOODROW [33.46, -101.85], 2.7 NNW BURRIS [33.57, -101.80]				
	05/06/08 16:49 CST		0	Hail (1.00 in)
	05/06/08 17:25 CST		0	Source: NWS Employee
Numerous reports, including multiple reports from National Weather Service meteorologists, indicated that large hail up to the size of quarters accompanied a splitting supercell storm from the intersection of U.S. Highway 87 and Farm to Market Road 1585 just north of Woodrow northeastward over southeastern portions of Lubbock. Nickel size hail also was observed falling along south Loop 289 at the Science Spectrum. At least two additional reports of very large hail were observed within this storm's hail swath.				
TERRY COUNTY --- BROWNFIELD [33.18, -102.28], 3.0 W MEADOW [33.33, -102.25]				
	05/06/08 17:15 CST		0	Hail (1.25 in)
	05/06/08 17:25 CST		0	Source: Law Enforcement
Local law enforcement officials and Skywarn spotters reported large hail up to the size of half dollars along a swath from Brownfield to near Meadow. At 17:20 CST nickel size hail was reported in Brownfield. By 17:25 CST, half dollar size hail was reported just west of Meadow along Farm to Market Road 211.				
LUBBOCK COUNTY --- 3.5 S LUBBOCK [33.53, -101.84]				
	05/06/08 17:20 CST		15K	Hail (2.75 in)
	05/06/08 17:20 CST		0	Source: Broadcast Media
Local broadcast media meteorologists reported baseball size hail near the intersection of South Loop 289 and U.S. Highway 87 in south Lubbock. Some vehicles were reportedly damaged.				

Storm Data and Unusual Weather Phenomena - May 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LUBBOCK COUNTY --- 0.9 S BURRIS [33.52, -101.78]				
	05/06/08 17:22 CST		15K	Hail (2.00 in)
	05/06/08 17:22 CST		0	Source: Public
The public reported that tennis ball size hail damaged vehicles along U.S. Highway 84 on the southeast side of Lubbock.				
LYNN COUNTY --- 4.0 N O'DONNELL [33.03, -101.83], 2.1 NNW SKEEN [33.15, -101.80]				
	05/06/08 17:25 CST		0	Thunderstorm Wind (EG 52 kt)
	05/06/08 17:30 CST		0	Source: Law Enforcement
Inflow winds into a severe thunderstorm were estimated to exceed 60 mph along the U.S. Highway 87 corridor between O'Donnell and Tahoka. Law enforcement officials estimated wind gusts up to 60 mph just north of O'Donnell at 17:25 CST. Similar wind estimates were received, along with reports of low visibilities in blowing dust, from storm chasers just south of Tahoka. No damage was reported.				
HOCKLEY COUNTY --- ROPESVILLE [33.42, -102.15]				
	05/06/08 17:39 CST		0	Hail (1.75 in)
	05/06/08 17:39 CST		0	Source: Public
The public reported golf ball size hail in Ropesville. The parent thunderstorm which produced this hail continued northeastward and additionally resulted in large hail over Reese Center and Shallowater in western Lubbock County. No damage was reported.				
LAMB COUNTY --- 6.0 N FIELDTON [34.12, -102.22], OLTON [34.18, -102.13]				
	05/06/08 17:40 CST		0	Hail (1.75 in)
	05/06/08 18:09 CST		0	Source: Fire Department/Rescue
A low precipitation supercell produced large hail over portions of northeastern Lamb County between 17:40 and 18:09 CST. Multiple reports were received of large hail that ranged in size from nickels to golf balls along a swath from north of Fieldton to Olton. Storm chasers discovered one inch diameter hailstones covering the ground along U.S. Highway 70 three miles west of Olton an hour after the storm passed. No damage was reported.				
TERRY COUNTY --- 6.0 NNW WELLMAN [33.13, -102.47], 4.9 WSW GOMEZ [33.15, -102.46]				
	05/06/08 17:45 CST		0	Tornado (EF0, L: 1.50 mi , W: 75 yd)
	05/06/08 17:46 CST		0	Source: Storm Chaser
A research meteorologist documented a short-lived and weak tornado over open country north of Wellman around 17:45 CST. The tornado appeared to have developed as a supercell thunderstorm interacted with a previously existing outflow boundary. Local officials reported no damage in the area.				
LUBBOCK COUNTY --- REESE VLG [33.60, -102.02], 5.0 WSW ABERNATHY [33.80, -101.93]				
	05/06/08 17:52 CST		0	Hail (1.50 in)
	05/06/08 18:15 CST		0	Source: Trained Spotter
A severe thunderstorm tracked northeastward from Hockley County and produced large hail over the western portion of Lubbock County. Numerous reports were received of quarter size hail along a swath from Reese Center to Shallowater between 17:52 and 18:02 CST. Ping pong ball size hail was additionally reported as the storm tracked west of Abernathy.				
HOCKLEY COUNTY --- LEVELLAND [33.58, -102.37]				
	05/06/08 18:19 CST		0	Hail (0.75 in)
	05/06/08 18:19 CST		0	Source: Public
The public reported penny size hail in Levelland.				
CROSBY COUNTY --- CROSBYTON [33.67, -101.25], CONE [33.78, -101.38]				
	05/06/08 18:20 CST		5K	Thunderstorm Wind (EG 52 kt)
	05/06/08 18:35 CST		0	Source: Newspaper
Local newspaper accounts indicated that damaging thunderstorm winds accompanied a complex of thunderstorms northeastward over portions of Crosby County. Reports suggest that a number of storage sheds were destroyed and trees were damaged between Crosbyton and Cone by winds estimated to exceed 60 mph. Event times are estimated based on Doppler radar imagery.				
HALE COUNTY --- HALFWAY [34.18, -101.95], 2.5 SSW EDMONSON [34.25, -101.92]				
	05/06/08 18:37 CST		0	Hail (1.25 in)
	05/06/08 19:05 CST		0	Source: Law Enforcement

Storm Data and Unusual Weather Phenomena - May 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>A low precipitation supercell moved eastward from the Olton vicinity (Lamb County) and produced large hail in northwestern Hale County. Law enforcement officials reported quarter size hail at Halfway at 18:37 CST. Storm chasers additionally discovered hail measuring just over one inch in diameter on the ground southwest of Edmonson. This hail fall likely occurred around 19:05 CST as estimated by Doppler radar imagery.</p>				
CROSBY COUNTY --- KALGARY [33.40, -101.15]				
	05/06/08 18:47 CST		0	Hail (1.00 in)
	05/06/08 18:53 CST		0	Source: Trained Spotter
Storm spotters reported quarter size hail in Calgary.				
FLOYD COUNTY --- 2.0 NNE FLOYDADA [34.01, -101.32]				
	05/06/08 18:50 CST		0	Thunderstorm Wind (MG 64 kt)
	05/06/08 18:50 CST		0	Source: Mesonet
<p>An apparent downburst occurred as a severe thunderstorm dissipated near Floydada shortly before 19:00 CST. A 74 mph gust was measured by the Texas Tech University West Texas Mesonet site just northeast of the city. No damage was discovered during surveys by Texas Tech University personnel.</p>				
DICKENS COUNTY --- 2.0 SW SPUR [33.46, -100.87], SPUR [33.48, -100.85]				
	05/06/08 19:00 CST		0	Hail (1.75 in)
	05/06/08 19:11 CST		0	Source: Fire Department/Rescue
The Spur Fire Department reported nickel to golf ball size hail in the Spur vicinity. No damage was reported.				
LAMB COUNTY --- 1.0 S OLTON [34.17, -102.13]				
	05/06/08 19:02 CST		10K	Hail (4.50 in)
	05/06/08 19:02 CST		0	Source: Law Enforcement
<p>A second supercell storm developed over northeastern Lamb County, and produced giant hail in the Olton vicinity. Local officials reported four and a half inch diameter hailstones along Farm to Market Road 168 just south of Olton shortly after 19:00 CST. At least minor damage occurred to several vehicles.</p>				
LAMB COUNTY --- 1.0 S OLTON [34.17, -102.13], 2.0 E OLTON [34.18, -102.09]				
	05/06/08 19:02 CST		0	Hail (0.88 in)
	05/06/08 19:05 CST		0	Source: Storm Chaser
Storm chasers reported nickel size hail in the Olton vicinity as a second supercell thunderstorm impacted the area. This storm additionally produced giant hail just south of Olton.				
DICKENS COUNTY --- SPUR [33.48, -100.85], 0.8 WNW SPUR [33.48, -100.86], 1.4 W SPUR [33.48, -100.87], 1.0 SW SPUR [33.47, -100.86], 0.7 SSE SPUR [33.47, -100.85]				
	05/06/08 19:38 CST		0	Flash Flood (due to Heavy Rain)
	05/06/08 21:00 CST		0	Source: Fire Department/Rescue
The Spur Fire Department reported that heavy rainfall from thunderstorms resulted in more than one foot of water rapidly flowing through many city streets. No damage was reported.				
KING COUNTY --- GUTHRIE [33.62, -100.33]				
	05/06/08 20:08 CST		0	Hail (1.00 in)
	05/06/08 20:08 CST		0	Source: Public
The public reported quarter size hail in Guthrie.				
CHILDRESS COUNTY --- (CDS)CHILDRESS ARPT [34.43, -100.30]				
	05/06/08 20:24 CST		0	Thunderstorm Wind (MG 54 kt)
	05/06/08 20:24 CST		0	Source: ASOS
<p>The Automated Surface Observing System at the Childress Municipal Airport recorded a peak wind gust of 62 mph as relatively weak convection moved over the area. An apparent thunderstorm downburst resulted in the localized severe wind gust, and no damage was reported.</p>				
HALL COUNTY --- MEMPHIS [34.72, -100.53]				
	05/06/08 20:48 CST		0	Hail (0.75 in)
	05/06/08 20:48 CST		0	Source: Fire Department/Rescue
The Memphis Fire Department reported penny size hail in Memphis.				

Storm Data and Unusual Weather Phenomena - May 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LUBBOCK COUNTY --- 4.0 SW WOLFFORTH [33.46, -102.07]				
	05/06/08 23:25 CST		0	Heavy Rain
	05/07/08 01:00 CST		0	Source: Department of Highways
Thunderstorms that produced heavy rainfall resulted in ponding of water over portions of the intersection of Farm to Market Road 1585 and U.S. Highway 62/82 southwest of Wolfforth.				
CROSBY COUNTY --- 5.0 E CROSBYTON [33.67, -101.16]				
	05/06/08 23:35 CST		0	Heavy Rain
	05/07/08 01:00 CST		0	Source: Department of Highways
Heavy rainfall over eastern Crosby County resulted in ponding water over U.S. Highway 62/82 near Silver Falls.				
DICKENS COUNTY --- 3.7 E SPUR [33.47, -100.79]				
	05/07/08 00:42 CST		5K	Hail (1.75 in)
	05/07/08 00:42 CST		0	Source: Public
Golf ball size hail reportedly broke windows at a farm house east of Spur. No injuries were reported.				
LUBBOCK COUNTY --- 6.0 SE IDALOU [33.61, -101.61]				
	05/07/08 02:24 CST		0	Hail (1.75 in)
	05/07/08 02:24 CST		0	Source: Public

Agricultural officials reported golf ball size hail at the Acuff Gin. No damage was reported.

An active round of severe thunderstorms impacted the west Texas South Plains during the late afternoon and evening of the 6th and continued into the early morning of the 7th.

Convection originated along a dryline near the Texas and New Mexico border, as well as near a pre-existing weak frontal boundary stretched west-to-east over the southwestern South Plains.

Many of the thunderstorms were supercellular in nature and produced a variety of severe weather hazards, however, splitting and low precipitation modes dominated. While these storm structures helped to limited the overall tornado threat, instances of large hail were widespread. A cluster of low precipitation supercells produced hail up to four and a half inches in diameter over portions of Lamb County. Reports of damage from very large hail also were received in the Lubbock vicinity (Lubbock County).

A supercell that interacted with the pre-existing surface boundary over the southwestern South Plains did produce a brief and weak tornado that was observed by a research meteorologist. The tornado remained in open country and resulted in no damage.