

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, South Panhandle				
(TX-Z032) COTTLE				
	05/01/15 00:00 CST		0	Drought
	05/25/15 00:00 CST		0	
<p>An exceptionally wet and cool May allowed further easing of the long-term drought across the far northern Rolling Plains, specifically eastern Cottle County where a sliver of D2 drought conditions ended after additional soaking rains in late May. Area reservoirs also saw improvement particularly at Lake Alan Henry where capacity soared to 100 percent. White River Lake and Mackenzie Lake were both lagging due to their smaller drainage basins, but had still recorded significant rises for the month.</p>				
HOCKLEY COUNTY --- 0.6 E LEVELLAND [33.58, -102.36]				
	05/03/15 19:00 CST		10K	Thunderstorm Wind (EG 61 kt)
	05/03/15 19:00 CST		0	Source: Fire Department/Rescue
<p>The Levelland fire department estimated wind gusts to 70 mph. A few power lines were downed in the area.</p>				
HOCKLEY COUNTY --- 1.8 W LEVELLAND MUNI ARPT [33.55, -102.40], 1.7 NE LEVELLAND [33.59, -102.35]				
	05/03/15 19:00 CST		15K	Hail (1.25 in)
	05/03/15 19:10 CST		0	Source: Public
<p>Broadcast media relayed photos of hail ranging from quarter to half dollar size in and around Levelland. Minor body damage was noted to some vehicles.</p>				
LAMB COUNTY --- 2.4 SSE LITTLEFIELD [33.89, -102.30]				
	05/03/15 19:01 CST		0	Hail (1.00 in)
	05/03/15 19:01 CST		0	Source: Law Enforcement
<p>The Littlefield sheriff's office reported hail up to quarter size southeast of town. No damage was reported.</p>				
<p>Scattered high-based thunderstorms moved northeast across portions of the South Plains this evening. In addition to producing heavy rainfall and minor flooding, two of these storms intensified to severe levels near Levelland and Littlefield.</p>				
LUBBOCK COUNTY --- 6.6 SSW WOLFFORTH [33.41, -102.05], 1.1 SSE SLATON [33.42, -101.64], 5.3 SE BECTON [33.73, -101.58], 3.3 NE SHALLOWATER [33.72, -101.95]				
	05/04/15 17:22 CST		0.25M	Flood (due to Heavy Rain)
	05/05/15 08:00 CST		10M	Source: Broadcast Media
LYNN COUNTY --- 3.1 SE NEW HOME ARPT [33.27, -101.88], 4.5 SE WILSON [33.28, -101.67], 2.3 ESE O'DONNELL [32.96, -101.79], 3.9 SSE NEW MOORE [32.97, -102.02]				
	05/04/15 18:00 CST		0.30M	Flash Flood (due to Heavy Rain)
	05/04/15 21:00 CST		0.25B	Source: Broadcast Media
TERRY COUNTY --- 4.9 SW WELLMAN [33.00, -102.49], 9.5 NNW JOHNSON [33.35, -102.51], 8.8 ENE MEADOW [33.39, -102.06], 8.7 ESE UNION [33.00, -102.08]				
	05/04/15 20:05 CST		20K	Flood (due to Heavy Rain)
	05/05/15 10:00 CST		0	Source: Law Enforcement
LYNN COUNTY --- 10.9 ENE WILSON [33.36, -101.55], 31.2 ENE GRASSLAND [33.37, -101.14], 30.2 ESE GRASSLAND [33.03, -101.09], 6.2 E DRAW [33.03, -101.56]				
	05/04/15 21:00 CST		0	Flood (due to Heavy Rain)
	05/05/15 16:00 CST		0	Source: Law Enforcement
GARZA COUNTY --- 4.0 NW SOUTHLAND [33.40, -101.59], 10.1 ENE BUENOS [33.40, -101.33], 2.6 NNW JUSTICEBURG [33.06, -101.22], 8.7 WSW GRAHAM CHAPEL [33.08, -101.60]				
	05/04/15 21:40 CST		0.25M	Flood (due to Heavy Rain)
	05/05/15 11:00 CST		50M	Source: Law Enforcement
HOCKLEY COUNTY --- 4.4 SW WHITHARRAL [33.68, -102.38], 5.8 SSW ROUNDUP [33.69, -102.12], 5.5 N ROPESVILLE [33.50, -102.14], 4.2 WSW LEVELLAND MUNI ARPT [33.52, -102.43]				

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	05/05/15 06:22 CST		10K	Flood (due to Heavy Rain)
	05/05/15 09:00 CST		0	Source: Emergency Manager

A deep fetch of Gulf moisture overspread the South Plains this afternoon in advance of a slow-moving trough. Numerous thunderstorms erupted by late afternoon across the western South Plains and spread slowly northeast through the overnight hours under weak upper level winds. The slow nature of these storms resulted in torrential rainfall rates and flooding in many areas, but the most impressive rainfall and flooding bulls-eyed in central and southern Lynn County where between 6 and 12 inches of rain was measured before midnight. Nearly all roads in Lynn County were closed by DPS officials due to standing water in excess of one foot over long stretches. The city of Tahoka became marooned by floodwaters forcing emergency officials to give stranded motorists refuge in area shelters. When these shelters either reached capacity or were threatened by floodwaters, officials transported persons to adjacent counties for safety. To add insult to injury, additional rounds of thunderstorms with heavy rain developed early in the morning on the 5th and prolonged flooding issues over much of the southern South Plains and southern Rolling Plains. Schools in Tahoka were closed on the 5th due to many roads remaining impassable. Dozens of vehicles from Lubbock to Tahoka required rescuing after motorists drove into deep floodwaters and became stranded. Most of these flooded cars were deemed complete losses after the engines became hydrolocked. One small child suffered a head injury after the car they were in hydroplaned abruptly near Southland (Garza County). Combined damage to vehicles, homes and thousands of acres of wheat crops (particularly in Lynn County) could exceed \$300M.

LUBBOCK COUNTY --- 0.9 NE WOLFFORTH [33.51, -102.01], 0.9 NW WEST CARLISLE [33.59, -101.96]

05/05/15 17:33 CST	50K	Hail (1.75 in)
05/05/15 17:36 CST	0	Source: NWS Employee

Severe hailstones up to golf ball size were reported by the public in Wolfforth while a NWS employee in west Lubbock reported quarter size hail. Damage to cars was observed in Wolfforth, particularly at Frenship High School where many after school activities were in progress.

CROSBY COUNTY --- 3.5 W OWENS [33.57, -101.41], 3.2 W OWENS [33.57, -101.41]

05/05/15 18:24 CST	0	Tornado (EF0, L: 0.25 mi , W: 30 yd)
05/05/15 18:27 CST	0	Source: Storm Chaser

A storm chaser documented a narrow tornado for three minutes over open land. No damage occurred.

CROSBY COUNTY --- 7.7 SW OWENS [33.48, -101.43], 6.5 SSW OWENS [33.48, -101.39]

05/05/15 18:27 CST	0	Tornado (EF0, L: 2.30 mi , W: 100 yd)
05/05/15 18:33 CST	0	Source: Storm Chaser

A storm chaser videoed the previous tornado rope out and eventually merge with a new tornadic circulation. This second tornado was more organized than the first and eventually crossed Highway 207 as videoed by a truck driver. No damage was observed despite crossing directly over power lines along the highway.

CROSBY COUNTY --- 3.5 S CROSBYTON MUNI ARPT [33.57, -101.24]

05/05/15 18:47 CST	25K	Hail (2.75 in)
05/05/15 18:47 CST	0	Source: Law Enforcement

Baseball size hail was observed five miles south of Crosbyton. Some vehicles were heavily damaged.

CROSBY COUNTY --- 8.9 ESE CROSBYTON MUNI ARPT [33.55, -101.10]

05/05/15 19:00 CST	0	Funnel Cloud
05/05/15 19:00 CST	0	Source: Storm Chaser

A storm chaser reported a funnel cloud with the previously tornadic storm.

Scattered thunderstorms developed late this afternoon in the southwest South Plains and proceeded to move east and northeast into the Rolling Plains by late evening. As these storms approached the Lubbock area, they encountered greater instability and rapidly strengthened into severe storms producing some large hail from Wolfforth to the west side of Lubbock. These storms gradually weakened east of Lubbock at which time a nearly stationary supercell storms erupted in southwest Crosby County. This supercell would go on to produce baseball size hail in addition to two tornadoes southwest of Ralls; both of which remained over open land causing no damage.

HALE COUNTY --- 0.5 NE HALE CENTER [34.08, -101.83], 2.0 WNW HALE CENTER [34.08, -101.86], 2.0 W ALLEY [33.90, -101.86], 0.7 WNW ALLEY [33.90, -101.84]

05/07/15 10:15 CST	0	Flood (due to Heavy Rain)
05/07/15 12:15 CST	0	Source: Law Enforcement

Storm Data and Unusual Weather Phenomena - May 2015

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A short wave trough moved over the West Texas region during the morning and early afternoon hours of the seventh. This trough was able to act upon strong moisture and elevated instability to create training storms and flooding across the central South Plains. The greatest impact from this activity was in Hale County along Interstate 27. Showers and thunderstorms were able to backbuild over Hale County following the passing of an outflow boundary from earlier convection.

HOCKLEY COUNTY --- 1.9 WSW OPDYKE [33.59, -102.30], ANTON [33.82, -102.17]

05/08/15 08:10 CST	15K	Hail (1.75 in)
05/08/15 08:47 CST	0.10M	Source: Public

A swath of severe hail ranging in size from quarters to golf balls was reported across northeast Hockley County . Damage was spotty and consisted of minor vehicle and wheat damage.

HALE COUNTY --- 0.9 SE COTTON CENTER [33.99, -101.99], 0.9 SE HALE CENTER [34.06, -101.82]

05/08/15 09:13 CST	30K	Hail (1.75 in)
05/08/15 09:25 CST	0	Source: Public

The same hailstorm from Hockley County continued northeast across Hale County with severe hail between quarter and golf ball size. Cars at the high school in Hale Center did suffer minor damage from mostly quarter size hail . Although damage likely occurred to area wheat crops in Hale County, no information was available.

FLOYD COUNTY --- 5.2 W LAKEVIEW [33.88, -101.34], 5.2 W FLOYDADA [33.98, -101.42]

05/08/15 09:41 CST	0	Hail (1.75 in)
05/08/15 09:44 CST	0	Source: Amateur Radio

A swath of severe hail from quarter to golf ball size fell in and south of Floydada. Damage was not known.

HALE COUNTY --- 2.5 W (PVW)HALE CO ARPT [34.17, -101.76], 1.3 NW (PVW)HALE CO ARPT [34.18, -101.74]

05/08/15 09:56 CST	0.30B	Hail (1.75 in)
05/08/15 10:06 CST	0	Source: Newspaper

Widespread hail damage occurred to homes, businesses and vehicles in Plainview with the worst damage reported at newly constructed luxury homes in the southwest side of the city where every home would require new roofing. This hail was as large as golf balls at times and extended east and northeast over the remainder of the city. Preliminary damage estimates from body shops and home insurance adjusters indicate that the area sustained nearly \$300M of combined damages.

MOTLEY COUNTY --- MATADOR [34.02, -100.82], NORTHFIELD [34.28, -100.60]

05/08/15 10:22 CST	0	Hail (1.50 in)
05/08/15 10:46 CST	0	Source: Emergency Manager

Severe hail from quarter to 1.5 inches in diameter was reported from Matador to Northfield. Damage was unknown.

CHILDRESS COUNTY --- 2.4 ESE CHILDRESS [34.41, -100.16]

05/08/15 11:22 CST	15K	Hail (2.50 in)
05/08/15 11:22 CST	0	Source: Amateur Radio

Tennis ball size hail caused sporadic damage to vehicles along Highway 287 about 2.5 miles east-southeast of Childress.

HALE COUNTY --- PETERSBURG [33.87, -101.60]

05/08/15 13:15 CST	0	Hail (1.00 in)
05/08/15 13:15 CST	0	Source: County Official

Quarter size hail was reported by a county official. Damage was unknown.

LUBBOCK COUNTY --- 0.6 E WOODROW [33.45, -101.81], 3.7 N SLATON MUNI ARPT [33.53, -101.68]

05/08/15 13:29 CST	0.20B	Hail (4.50 in)
05/08/15 13:38 CST	0.10B	Source: Amateur Radio

A supercell storm erupted near Ropesville in extreme instability and went on to produce a significant hail swath across south -central and southeast Lubbock County where giant hail to softball size occurred in Slaton. Damage to homes, businesses, vehicles, and wheat crops was common from two miles east of Woodrow to Ransom Canyon . In addition to the hail, strong rear flank downdraft winds picked up gravel in Slaton and blew out dozens of windows in cars and buildings. Combined damage estimates would likely reach \$300M.

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CROSBY COUNTY --- 4.2 S CROSBYTON MUNI ARPT [33.56, -101.24]				
	05/08/15 14:17 CST		0	Hail (1.50 in)
	05/08/15 14:20 CST		0	Source: Emergency Manager

Ping pong ball size hail was reported by an emergency manager. Damage was not known.

CROSBY COUNTY --- 6.5 SSE CROSBYTON MUNI ARPT [33.54, -101.17]				
	05/08/15 14:20 CST		0	Thunderstorm Wind (MG 61 kt)
	05/08/15 14:20 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet station.

Shortly before 0800 CST, elevated thunderstorms intensified across the western South Plains and far eastern New Mexico in response to a surge of Gulf moisture ahead of a mid-level trough. Unlike the previous day when widespread morning storms contaminated the potential for severe storms later in the day, this day featured multiple rounds of severe storms from mid-morning through late afternoon rumbling over the South Plains, Rolling Plains and the far southeast Texas Panhandle. The majority of these thunderstorms were elevated with large hail and failed to become surface based thanks to a large outflow boundary that surged south from early morning storms. Despite favorable low level wind shear for tornadoes, the fast-moving outflow boundary was a saving grace of sorts in that it quickly undercut supercells and prevented them from becoming tornadic. Nonetheless, the severe storms that did develop proved costly to many residents across the region, especially in and around the cities of Plainview and Slaton where extensive damage to homes, businesses, vehicles, and wheat crops was reported.

HALL COUNTY --- TURKEY [34.40, -100.88]				
	05/09/15 08:58 CST		0	Hail (1.00 in)
	05/09/15 08:58 CST		0	Source: COOP Observer

A local observer reported hail to the size of quarters in Turkey.

A potent upper level low pressure system migrated toward the Four Corners region late this night into the early morning hours, providing abundant and widespread lift across West Texas. While earlier morning storms only produced reports of pea size hail, a sharpening dryline and subsequent surface convergence into the mid-late morning hours allowed storms to continue to develop and intensify in a very moist airmass. One of these storms was able to grow strong enough to produce hail to the size of quarters near the town of Turkey in Hall County.

KING COUNTY --- 0.4 WNW GUTHRIE [33.62, -100.34], 0.4 NW GUTHRIE [33.62, -100.33]				
	05/13/15 16:57 CST		0	Tornado (EF0, L: 0.08 mi , W: 25 yd)
	05/13/15 16:58 CST		0	Source: Fire Department/Rescue

Local fire department officials and a local COOP observer reported a tornado just west of Guthrie and south of Highway 82 near the Four Sixes Ranch. Reports and documentation suggest the tornado lasted about one minute in an open field and did not produce any damage or injuries.

A line of storms developed across the Rolling Plains ahead of a well-defined upper level jet streak during the late afternoon hours. The southern flank of this line began to exhibit some very weak rotation on radar as it approached the town of Guthrie in King County, subsequently producing a brief tornado.

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Location

Date/Time


Deaths &
Injuries

Property &
Crop Dmg

Event Type and Details



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

Tornado just south of the Four Sixes Ranch near Guthrie, TX. Photo courtesy of Mallory Canaday.

BAILEY COUNTY --- BULA [33.92, -102.65]

05/14/15 18:17 CST	0.80K	Thunderstorm Wind (EG 52 kt)
05/14/15 18:17 CST	0	Source: Broadcast Media

Local media relayed a report of carport damage in Bula as severe downburst winds moved overhead.

GARZA COUNTY --- 5.1 SSW GRAHAM CHAPEL [33.08, -101.50], 0.7 N POST [33.19, -101.38]

05/14/15 18:55 CST	2K	Thunderstorm Wind (MG 51 kt)
05/14/15 19:12 CST	0	Source: Mesonet

The Texas Tech University West Texas Mesonet site southwest of Graham measured a 59 mph wind gust as a thunderstorm moved through. This swath of damaging downburst winds continued northeast into Post, producing tree damage and lifting the roof off of a shed.

LUBBOCK COUNTY --- 5.0 S WOLFFORTH [33.43, -102.02]

05/14/15 19:02 CST	0	Hail (1.00 in)
05/14/15 19:02 CST	0	Source: NWS Employee

A NWS Employee reported quarter sized hail south of Wolfforth.

LUBBOCK COUNTY --- 3.2 ESE WOLFFORTH [33.48, -101.97], 1.9 ESE DOUD [33.56, -101.90]

05/14/15 19:36 CST	0	Hail (1.00 in)
05/14/15 20:00 CST	0	Source: Trained Spotter

A trained weather spotter and several public citizens observed quarter sized hail from southeast of Wolfforth through much of the southwest side of Lubbock. No damage was reported.

LUBBOCK COUNTY --- 2.6 WNW LUBBOCK AIRPARK [33.50, -101.86], 0.4 S LUBBOCK [33.57, -101.85], 0.4 NW DOUD [33.57, -101.94], 3.5 E WOLFFORTH [33.50, -101.96]

05/14/15 19:42 CST	0.10M	Flood (due to Heavy Rain)
05/14/15 20:50 CST	0	Source: NWS Employee

Numerous reports of flooded roadways were received throughout the evening as three rounds of intense rainfall moved over the city, most notably over the southwestern side of town. Almost every major intersection between Milwaukee Avenue and Quaker Avenue was flowing with water, with the greatest impact being between 98th and 82nd Streets. Several cars were stranded in high water, as up to 2.5 inches of rain fell over the course of an hour and a half.

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GARZA COUNTY --- 12.2 NNE AUGUSTUS [33.29, -101.21], 15.8 E BUENOS [33.36, -101.21]				
	05/14/15 20:16 CST		0	Hail (1.00 in)
	05/14/15 20:19 CST		0	Source: Storm Chaser

A storm chaser reported quarter sized hail and wind gusts to 60 mph as a supercell thunderstorm occurred five to ten miles southwest of Calgary.

CROSBY COUNTY --- 2.9 WNW KALGARY [33.41, -101.20], 3.6 NNE KALGARY [33.45, -101.14], 4.4 NE KALGARY [33.45, -101.11], 6.6 NNE KALGARY [33.49, -101.10], 7.6 NE KALGARY [33.48, -101.06], 3.0 E KALGARY [33.40, -101.10]				
	05/14/15 21:50 CST		10K	Flash Flood (due to Heavy Rain)
	05/14/15 23:45 CST		0	Source: NWS Storm Survey

A supercell thunderstorm, which initiated west of Post in Garza County, moved northeast to near Calgary and White River Lake. This storm became nearly stationary, producing radar estimated rainfall as high as six to eight inches in a 2 hour period. A NWS Storm Survey was conducted the following day, finding water still flowing across several farm to market roads as well as numerous areas of mud. One of these actually caused a road grader to become stuck while trying to remove mud off of a roadway near Calgary. A high water rescue was also performed in this area the previous night. The abundant rainfall brought swiftly flowing water back to nearby portions of the Brazos River.

A cluster of strong to severe thunderstorms developed across the Southern South Plains during the late afternoon and evening in conjunction with an upper level disturbance and strong moisture advection. These storms continued to expand in coverage and produce isolated severe wind and hail while moving northeast into Lubbock. At the same time, a discrete supercell thunderstorm was able to ingest unperturbed warm and moist air west of Post in Garza County. This storm also produced large hail and severe wind gusts. Widespread flooding then occurred as storms trained over Lubbock, resulting in multiple road closures and flooded vehicles. Flash flooding also impacted areas between Calgary and White River Lake in southeast Crosby County through northeast Garza County where the above mentioned supercell remained nearly stationary through much of the evening.

SWISHER COUNTY --- KRESS [34.37, -101.75]				
	05/16/15 11:30 CST		12K	Hail (1.25 in)
	05/16/15 11:30 CST		0	Source: COOP Observer

A NWS COOP reported wind-driven hail to 1.25 inches in diameter. The hail broke four large windows in the observer's home.

BRISCOE COUNTY --- 9.6 NNE SILVERTON [34.60, -101.24], 10.1 NNE SILVERTON [34.60, -101.23]				
	05/16/15 12:12 CST		0	Tornado (EF0, L: 0.54 mi, W: 30 yd)
	05/16/15 12:13 CST		0	Source: Fire Department/Rescue

An off-duty fire department volunteer observed a tornado about ten miles north-northeast of Silverton. Video from a motorist showed this tornado lasted for about one minute.

HALL COUNTY --- 1.3 WSW TURKEY [34.39, -100.90]				
	05/16/15 14:00 CST		0	Hail (1.00 in)
	05/16/15 14:00 CST		0	Source: Local Official

A Caprock Canyon State Park employee estimated quarter size hail in Turkey. Damage was not known.

COTTLE COUNTY --- 0.7 S PADUCAH [34.01, -100.30]				
	05/16/15 15:07 CST		0	Hail (1.75 in)
	05/16/15 15:07 CST		0	Source: Emergency Manager

The Cottle County emergency manager estimated hail from quarter to golf ball size. Damage was not known.

COTTLE COUNTY --- 0.7 S PADUCAH [34.01, -100.30]				
	05/16/15 15:08 CST		0	Thunderstorm Wind (EG 52 kt)
	05/16/15 15:08 CST		0	Source: Emergency Manager

The Cottle County emergency manager reported about half a dozen tree limbs broken in Paducah.

A very unstable and strongly sheared air mass developed late this morning ahead of a dryline and potent upper trough. Strong and very dry southwest winds of 30 to 40 mph exited New Mexico and focused scattered thunderstorm development along the dryline before noon CST. The most significant of these storms quickly became a supercell and tracked from near Olton northeast to rural areas of northern Briscoe County accompanied by very large hail and one tornado. Additional supercells developed throughout the Rolling Plains and far southeast Texas Panhandle; one of which would later evolve into a prolific tornadic storm in southwest Oklahoma. West of the dryline, widespread blowing dust with poor visibilities occasionally as low as one quarter mile in some rural areas hampered many weekend graduation ceremonies and outdoor events. Visibility at the Lubbock Airport officially fell to three quarters of a mile during

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the height of the blowing dust with a peak wind measured at 50 mph.



Image of a tornado about 10 miles north-northeast of Silverton. Image courtesy of Breaking News.

GARZA COUNTY --- 6.0 S SOUTHLAND [33.26, -101.55]

05/19/15 07:35 CST	25K	Thunderstorm Wind (EG 50 kt)
05/19/15 07:35 CST	0	Source: Utility Company

An electric cooperative official reported nine power poles downed by strong winds approximately six miles south of Southland.

A shortwave approaching from southeastern New Mexico aided in the development of scattered thunderstorms during the morning hours of the 19th. While nearly all convection was non-severe, an electric cooperative employee reported nine power poles downed by strong winds six miles south of Southland (Garza County).

LYNN COUNTY --- 8.0 ENE O'DONNELL [33.01, -101.70]

05/23/15 16:25 CST	0	Thunderstorm Wind (EG 56 kt)
05/23/15 16:25 CST	0	Source: Emergency Manager

The emergency manager for Lynn County reported an estimated wind gust of 65 mph. No damage was reported.

(TX-Z029) HALE

05/23/15 18:00 CST	0	High Wind (MAX 50 kt)
05/23/15 18:00 CST	0	

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

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	05/23/15 18:30 CST		0	Thunderstorm Wind (MG 56 kt)
	05/23/15 18:35 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Guthrie reported wind gusts up to 64 mph for a five minute period.				
A short wave trough moving overhead coupled with ample moisture produced scattered thunderstorms on the evening of the 23rd. The storms that did become severe produced severe wind gusts in Lynn and King Counties. In an area of trailing stratiform precipitation, a severe wind gust was observed at the Texas Tech University West Texas mesonet site near Abernathy (Hale County).				
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BRISCOE COUNTY --- 17.9 NNW SILVERTON [34.70, -101.44]				
	05/27/15 16:26 CST		0	Hail (2.25 in)
	05/27/15 16:26 CST		0	Source: NWS Employee
An off-duty NWS employee estimated hail just over two inches in diameter on the ground, but not falling at the time. Damage was unknown.				
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HALE COUNTY --- 5.0 SW HALE CENTER [34.02, -101.89], 5.5 SSW HALE CENTER [33.99, -101.85]				
	05/27/15 17:01 CST		0.35M	Hail (4.50 in)
	05/27/15 17:53 CST		0	Source: Law Enforcement
A nearly stationary supercell produced a severe hail swath ranging in size from quarters to softballs . Several dozen vehicles traveling along Interstate 27 between Abernathy and the Hale Center rest stop suffered varying degrees of damage ; the worst of which involved losing nearly all windows.				
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HALE COUNTY --- 3.0 ENE COTTON CENTER [34.01, -101.95], 8.3 SE FURGUSON STA [34.04, -101.66], 4.1 NW PETERSBURG [33.91, -101.65], 6.7 W ALLEY [33.89, -101.95]				
	05/27/15 17:30 CST		0.10M	Flood (due to Heavy Rain)
	05/28/15 09:00 CST		0	Source: Law Enforcement
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HOCKLEY COUNTY --- 2.8 SSE ANTON [33.78, -102.16]				
	05/27/15 20:20 CST		0	Hail (2.75 in)
	05/27/15 20:20 CST		0	Source: Trained Spotter
An off-duty weather observer reported copious amounts of small hail covering his lawn with a few hailstones estimated up to baseball size. Damage was not known.				
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HALL COUNTY --- 0.9 NW MEMPHIS [34.73, -100.54]				
	05/27/15 21:03 CST		0.20M	Hail (1.75 in)
	05/27/15 21:20 CST		0	Source: Law Enforcement
Hail ranging from quarter to golf ball size fell in Memphis for about 20 minutes. Damage consisted primarily of dented vehicles.				
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HALE COUNTY --- 5.9 WNW ABERNATHY [33.87, -101.94]				
	05/27/15 21:12 CST		0	Hail (1.00 in)
	05/27/15 21:12 CST		0	Source: NWS Employee
An off-duty NWS employee reported quarter size hail on Farm-to-Market Road 2528 about three miles north of the town of County Line. No damage occurred.				
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HALL COUNTY --- 2.3 NW MEMPHIS [34.74, -100.56], 0.9 SSW MEMPHIS [34.71, -100.54], 0.7 E MEMPHIS [34.72, -100.52], 1.8 NW MEMPHIS MUNI ARPT [34.75, -100.54]				
	05/27/15 21:30 CST		0.25M	Flood (due to Heavy Rain)
	05/28/15 04:00 CST		0	Source: Law Enforcement
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HALE COUNTY --- 0.9 NE ABERNATHY MUNI ARPT [33.86, -101.76]				
	05/27/15 21:55 CST		0	Thunderstorm Wind (MG 51 kt)
	05/27/15 21:55 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet.

In advance of a diffuse dryline located from near Tulia south to Brownfield, moderate instability developed this afternoon underneath weak capping and modest mid-level winds. Thunderstorms had little problem initiating during the heat of the day and several of these became supercells thanks to sufficient directional shear. Initially, the first supercell developed northwest of Silverton and went on to produce very large hail, flooding and at least one funnel. By late afternoon, another prolific supercell erupted farther southwest near Cotton Center and for the next 1.5 hours remained over southern Hale County producing giant hail to softball size, torrential rains

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>estimated up to seven inches, and even multiple funnel clouds. From sunset through late evening, additional supercell storms developed from near Reese Center north to Olton and Memphis; many of which were proficient with large hail and flooding rainfall. Significant areal flooding enveloped a swath of southern Hale County where many roads were inundated by water; some of which remained closed through the late morning hours of the 28th. Similar flooding was reported in Memphis during the overnight hours including water of a few inches deep rushing into some buildings.</p>				
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COCHRAN COUNTY --- 0.6 E WHITEFACE [33.60, -102.61]				
	05/28/15 10:30 CST		0	Hail (1.00 in)
	05/28/15 10:30 CST		0	Source: Trained Spotter
<p>A trained spotter observed hail up to quarter size covering the ground. No damage was noted.</p>				
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HOCKLEY COUNTY --- 4.2 N LEVELLAND [33.64, -102.36]				
	05/28/15 11:25 CST		0	Hail (1.00 in)
	05/28/15 11:25 CST		0	Source: Trained Spotter
<p>Reported by a trained spotter. No damage was noted.</p>				
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HOCKLEY COUNTY --- 3.8 ENE COBLE [33.62, -102.44], 4.8 WSW LEVELLAND MUNI ARPT [33.52, -102.45], 2.5 SSE SMYER [33.55, -102.15], 4.2 NNE SMYER [33.64, -102.15]				
	05/28/15 11:30 CST		0	Flood (due to Heavy Rain)
	05/28/15 15:00 CST		0	Source: NWS Employee
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LUBBOCK COUNTY --- 0.9 NW SHALLOWATER [33.69, -101.99]				
	05/28/15 11:50 CST		4K	Thunderstorm Wind (EG 52 kt)
	05/28/15 11:50 CST		0	Source: Public
<p>A microburst downed a power line in Shallowater which knocked out power for SPEC customers.</p>				
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LUBBOCK COUNTY --- 0.8 NW SHALLOWATER ARPT [33.69, -102.01], 0.8 N SHALLOWATER [33.69, -101.98]				
	05/28/15 11:54 CST		0.10M	Hail (1.50 in)
	05/28/15 12:14 CST		0.50M	Source: Public
<p>A swath of hail up to ping pong ball size fell over Shallowater for about 20 minutes. Minor vehicle dents were common.</p>				
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LUBBOCK COUNTY --- 3.2 WNW SHALLOWATER ARPT [33.70, -102.05], 2.7 NE SHALLOWATER [33.71, -101.95], 4.1 NE BURRIS [33.58, -101.74], 4.1 W LUBBOCK AIRPARK [33.49, -101.89]				
	05/28/15 12:15 CST		10M	Flash Flood (due to Heavy Rain)
	05/28/15 14:00 CST		2M	Source: Broadcast Media
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LUBBOCK COUNTY --- 0.9 SW REESE VLG [33.59, -102.03], 1.1 ESE (LBB)LUBBOCK INTL AR [33.66, -101.80]				
	05/28/15 12:25 CST		0.10M	Hail (1.50 in)
	05/28/15 12:53 CST		0	Source: Public
<p>A swath of hail as large as ping pong ball size fell from west Lubbock to the Lubbock airport . Damage was generally minor and consisted of dented vehicles.</p>				
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LUBBOCK COUNTY --- 2.1 NE DOUD [33.59, -101.91], 1.7 W LUBBOCK [33.58, -101.88]				
	05/28/15 12:25 CST		0	Thunderstorm Wind (EG 50 kt)
	05/28/15 12:35 CST		0	Source: NWS Employee
<p>A traveling microburst downed several tree branches of two to three inches in diameter and snapped a power pole near 4th Street and Quaker Avenue.</p>				
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LUBBOCK COUNTY --- 1.8 NE DOUD [33.59, -101.91]				
	05/28/15 12:40 CST		0	Thunderstorm Wind (EG 50 kt)
	05/28/15 12:40 CST		0	Source: Broadcast Media
<p>Estimated wind gust.</p>				
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CROSBY COUNTY --- 0.9 SE RALLS [33.67, -101.37]				

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/28/15 13:10 CST		0	Thunderstorm Wind (MG 50 kt)
	05/28/15 13:10 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet.

LYNN COUNTY --- 8.3 S PETTY [33.16, -101.97], 3.3 WSW TAHOKA T BAR ARPT [33.17, -101.88]

05/28/15 13:50 CST	0	Hail (1.00 in)
05/28/15 13:50 CST	0	Source: Trained Spotter

A swath of hail up to quarter size fell west of Tahoka. Damage was not reported.

KING COUNTY --- 3.3 NNE GUTHRIE 6666 ARPT [33.67, -100.32]

05/28/15 14:10 CST	0	Hail (2.00 in)
05/28/15 14:10 CST	0	Source: Storm Chaser

Hail up to two inches in diameter was observed on the ground by a storm chaser. Damage was unknown.

COCHRAN COUNTY --- 0.6 W MORTON COCHRAN CO AR [33.73, -102.74]

05/28/15 20:25 CST	0	Thunderstorm Wind (MG 55 kt)
05/28/15 20:25 CST	0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet.

Following a round of severe storms and heavy rain the night prior, strong and severe thunderstorms developed late this morning over the southwest South Plains before expanding in coverage as they spread east throughout the afternoon. Much of this activity was driven by strong moisture advection in advance of an upper impulse. A particularly intense storm in southern Lynn County redeveloped to the southeast over time and produced a vivid tornado just south of O'Donnell in nearby Dawson County (NWS Midland's forecast area). Although hail and high winds were rather common place, by far the worst byproduct of these slow-moving storms was widespread flooding throughout Lubbock county. Flash flooding was reported in Shallowater and Lubbock where dozens of cars became stranded in high water from rainfall rates measured as high as eight inches per hour. In Shallowater, just over four inches of rain fell in 30 minutes and proceeded to flood about 75 homes with up to six inches of water. Total damage to floors, walls and personal property could reach \$10 million. A total of 6.93 inches of rain was measured by a NWS employee in Shallowater by early evening. One car in Shallowater was swept off the road by flowing water and carried about 100 yards in a bar ditch that transformed into a raging creek. Fortunately, the occupant was not injured. In Lubbock, five high water rescues were reported after motorists became stranded in high water. The flooding also inundated four floors at the UMC Hospital which proceeded to damage some medical records.

Storm Data and Unusual Weather Phenomena - May 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Torrential rainfall of four inches in just 30 minutes produced this flash flooding in Shallowater, TX. Photo courtesy of Candra Hurley.

CASTRO COUNTY --- 1.7 E DIMMITT MUNI ARPT [34.57, -102.29]

05/29/15 19:30 CST	0	Thunderstorm Wind (MG 52 kt)
05/29/15 19:35 CST	0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet station.

LUBBOCK COUNTY --- 1.6 NNE DOUD [33.59, -101.92]

05/29/15 21:05 CST	0	Hail (1.00 in)
05/29/15 21:05 CST	0	Source: Fire Department/Rescue

Multiple reports of hail of dime to quarter size occurred in an area centered around 4th Street and Slide Road. Damage, if any, was unknown.

(TX-Z041) LYNN

05/30/15 01:05 CST	0	High Wind (MAX 52 kt)
05/30/15 01:05 CST	0	

Late this afternoon, scattered thunderstorms across eastern New Mexico congealed into an MCS and proceeded to move southeast over all of the South Plains, southern Texas Panhandle and the Rolling Plains through the night. A larger scale severe thunderstorm event spared the region thanks to delayed moisture return, however a few large hailstones and severe wind gusts were recorded.