

Storm Data and Unusual Weather Phenomena - June 2017

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

SWISHER COUNTY --- 1.0 ENE TULIA [34.54, -101.75], 3.6 WSW TULIA ARPT [34.53, -101.84]

	06/08/17 21:20 CST		20K	Thunderstorm Wind (EG 61 kt)
	06/08/17 21:27 CST		0	Source: Emergency Manager

A large downburst toppled multiple trees from Tulia to roughly four miles west of Tulia . Some of these trees damaged power lines, fences and structures. The Swisher County Emergency Manager estimated the high winds lasted up to seven minutes.

HALE COUNTY --- 2.1 NNE ABERNATHY MUNI ARPT [33.88, -101.76]

	06/08/17 22:00 CST		0	Thunderstorm Wind (MG 55 kt)
	06/08/17 22:00 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas Mesonet.

CROSBY COUNTY --- 7.1 SSE CROSBYTON MUNI ARPT [33.53, -101.17]

	06/08/17 23:25 CST		0	Thunderstorm Wind (MG 51 kt)
	06/08/17 23:25 CST		0	Source: Mesonet

Measured by a Texas Tech University West Texas Mesonet.

Late this evening, a line of severe thunderstorms moved south from the south-central Texas Panhandle and across the South Plains. Isolated downbursts accompanied this line of storms, including multiple downed trees in and near Tulia (Swisher County).

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Property &
Crop Dmg

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One of multiple trees toppled by a downburst near Tulia, TX on June 8, 2017. Photo courtesy of Tim McAtee.

HALE COUNTY --- 1.0 SW PLAINVIEW [34.19, -101.71], 3.0 NW PLAINVIEW [34.23, -101.74]

06/12/17 18:08 CST	0	Hail (3.00 in)
06/12/17 18:11 CST	0	Source: Trained Spotter

Numerous reports were received of hail ranging from two to three inches in diameter from the southwest through northwest sides of Plainview. Many vehicles sustained significant damage including shattered windows. Also, hundreds of homes and businesses on the west and northwest side of Plainview received varying degrees of roof damage. Monetary damage estimates were unavailable at the time of this entry.

HALE COUNTY --- 9.0 NW PETERSBURG [33.97, -101.69]

06/12/17 19:30 CST	0	Hail (3.00 in)
06/12/17 19:30 CST	0	Source: Storm Chaser

A storm chaser reported hail up to three inches in diameter. However, no damage was reported.

FLOYD COUNTY --- 7.0 SW FLOYDADA [33.91, -101.42]

06/12/17 20:43 CST	0	Hail (2.00 in)
06/12/17 20:43 CST	0	Source: Trained Spotter

A trained spotter reported hail up to two inches in diameter. Damage was unknown.

HALE COUNTY --- 8.9 SE SETH WARD [34.13, -101.57]

06/12/17 20:48 CST	0	Thunderstorm Wind (MG 54 kt)
06/12/17 20:50 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet measured a wind gust to 62 mph.

FLOYD COUNTY --- 2.0 NNE FLOYDADA [34.01, -101.32]

06/12/17 20:55 CST	0	Thunderstorm Wind (MG 54 kt)
06/12/17 20:55 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Floydada measured a wind gust to 62 mph.

Isolated storms formed along a late spring season dryline over the central South Plains. With abundant instability, these storms quickly became severe and produced very large hail and strong wind gusts. Several vehicles were damaged in and around Plainview (Hale County) from large hail.

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Hail up to 3 inches in diameter pummeled the northwest side of Plainview, TX on June 12, 2017. Photo relayed by KLBK-TV.

BRISCOE COUNTY --- 18.2 NNE QUITAQUE [34.63, -100.98]

06/13/17 16:36 CST	0	Hail (1.50 in)
06/13/17 16:40 CST	0	Source: Storm Chaser

A storm chaser reported a swath of hail along State Highway 70 near the Briscoe/Hall County line.

HALL COUNTY --- 5.9 SW BRICE [34.63, -100.94]

06/13/17 16:40 CST	0	Hail (1.50 in)
06/13/17 16:45 CST	0	Source: Storm Chaser

A storm chaser reported a swath of hail along State Highway 70 near the Briscoe/Hall County line.

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

06/13/17 17:25 CST	0	Thunderstorm Wind (MG 59 kt)
06/13/17 17:25 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet near Memphis reported a wind gust to 68 mph.

A second consecutive day of late spring season dryline storms developed over the central South Plains. A few of these isolated storms quickly became severe under a very unstable atmosphere.

KENT COUNTY --- 3.3 SE GIRARD [33.32, -100.63]

06/14/17 18:55 CST	0	Hail (1.75 in)
06/14/17 18:55 CST	0	Source: Law Enforcement

The Kent County Sheriff's office reported golf ball size hail along State Highway 70 between Girard and Jayton. No damage was reported.

Storm Data and Unusual Weather Phenomena - June 2017

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For a third consecutive day, isolated thunderstorms developed along a dryline under a very unstable atmosphere. One of these storms became severe as it moved over Kent County producing golf ball size hail.

HOCKLEY COUNTY --- 0.6 E LEVELLAND [33.58, -102.36], 6.0 NW ROPESVILLE [33.48, -102.22]

06/15/17 15:18 CST	22K	Thunderstorm Wind (MG 60 kt)
06/15/17 15:45 CST	0	Source: Mesonet

Multiple downbursts within a high-based supercell produced damage from Levelland southeast towards Ropesville. A Texas Tech University West Texas mesonet south of Levelland measured a gust to 69 mph at 1530 CST. These winds blew a large bay door off a welding shop in Levelland, downed several utility poles and broke many tree limbs as the storm moved southeast toward Ropesville.

HOCKLEY COUNTY --- 4.4 NE ARNETT [33.52, -102.24], 3.1 S SMYER [33.53, -102.17], 3.3 NNE ROPESVILLE [33.47, -102.13], 2.9 WNW ROPESVILLE [33.44, -102.20]

06/15/17 16:00 CST	0	Flash Flood (due to Heavy Rain)
06/15/17 18:00 CST	2M	Source: COOP Observer

Many roads between Levelland and Ropesville had sections covered by flowing water up to several feet deep at times. The torrential rainfall (estimated by radar as great as 4 inches in 30 minutes), completely washed away vast stretches of cotton, sorghum, and some corn fields. Initial estimates are that 2000 acres of cotton alone were lost. No roads were damaged from the floodwaters, however mud flows from area fields required extensive cleanup efforts before roads could be re-opened.

HOCKLEY COUNTY --- 0.7 S ROPESVILLE [33.41, -102.15]

06/15/17 16:04 CST	0	Hail (1.00 in)
06/15/17 16:04 CST	0	Source: Public

No damage accompanied the hail.

HALL COUNTY --- 6.5 SSW BRICE [34.62, -100.94]

06/15/17 16:27 CST	0	Hail (2.00 in)
06/15/17 16:27 CST	0	Source: Trained Spotter

No reports of damage accompanied the hail.

HALL COUNTY --- 4.2 S ESTELLINE [34.49, -100.44]

06/15/17 16:50 CST	0	Thunderstorm Wind (EG 52 kt)
06/15/17 16:50 CST	0	Source: COOP Observer

Some tree branches were broken.

HALL COUNTY --- 0.6 E ESTELLINE [34.55, -100.42]

06/15/17 17:00 CST	5K	Thunderstorm Wind (EG 61 kt)
06/15/17 17:00 CST	0	Source: Department of Highways

A semi-truck was blown over along Highway 287 near the Hall and Childress County line. The driver was unharmed.

HALL COUNTY --- 1.7 W TURKEY [34.40, -100.91]

06/15/17 17:05 CST	0	Hail (1.25 in)
06/15/17 17:05 CST	0	Source: Trained Spotter

No reports of damage accompanied the hail.

LYNN COUNTY --- 0.6 NNW O'DONNELL [32.98, -101.83], O'DONNELL [32.97, -101.83]

06/15/17 17:10 CST	0	Thunderstorm Wind (MG 70 kt)
06/15/17 17:10 CST	0	Source: Mesonet

Measured by a Texas Tech University West Texas mesonet. A storm spotter in O'Donnell also reported tree limbs of 8 inches in diameter snapped.

LYNN COUNTY --- O'DONNELL [32.97, -101.83]

06/15/17 17:10 CST	0	Hail (1.25 in)
06/15/17 17:20 CST	0	Source: Trained Spotter

Hail of quarter to half dollar size fell for about ten minutes. No reports of damage accompanied the hail.

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CHILDRESS COUNTY --- 1.1 E (CDS)CHILDRESS ARPT [34.43, -100.28]				
	06/15/17 17:36 CST		0	Thunderstorm Wind (MG 56 kt)
	06/15/17 17:36 CST		0	Source: ASOS
Measured by the Childress ASOS.				
CHILDRESS COUNTY --- 2.8 N CHILDRESS [34.46, -100.20]				
	06/15/17 17:46 CST		0	Thunderstorm Wind (MG 55 kt)
	06/15/17 17:46 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas mesonet.				
CHILDRESS COUNTY --- 2.1 SSW TELL [34.34, -100.39]				
	06/15/17 18:00 CST		0	Thunderstorm Wind (EG 50 kt)
	06/15/17 18:00 CST		0	Source: COOP Observer
A few tree limbs were downed.				
CHILDRESS COUNTY --- 2.1 SSW TELL [34.34, -100.39]				
	06/15/17 18:00 CST		0	Hail (1.00 in)
	06/15/17 18:00 CST		5K	Source: COOP Observer
The hail caused minor damage to area crops.				
MOTLEY COUNTY --- 0.7 S NORTHFIELD [34.27, -100.60]				
	06/15/17 18:15 CST		0	Thunderstorm Wind (MG 53 kt)
	06/15/17 18:15 CST		0	Source: Mesonet
Measured by a Texas Tech University West Texas mesonet.				
<p>Very hot temperatures helped fuel scattered thunderstorms over the South Plains and also in the far southeast Texas Panhandle this afternoon. Some of these high-based storms acquired rotation and produced bursts of large hail, flooding and destructive downbursts.</p>				
<p>(TX-Z024) BRISCOE, (TX-Z025) HALL, (TX-Z031) MOTLEY, (TX-Z034) HOCKLEY, (TX-Z035) LUBBOCK, (TX-Z036) CROSBY, (TX-Z040) TERRY, (TX-Z042) GARZA</p>				
	06/17/17 13:25 CST		0	Excessive Heat
	06/17/17 17:55 CST		0	
<p>In advance of a Canadian cold front, a dome of exceptionally hot and dry air overspread much of the Texas South Plains. High temperatures in many locations of 110 to 112 degrees were the hottest recorded since the infamous summer heatwave of 2011. At Lubbock, a new daily record high of 112 degrees was set which fell just two degrees shy of tying the all-time hottest temperature set on 27 June 1994. Amazingly, no heat-related illnesses were reported that required medical attention. This was fortunate particularly in areas of west and northwest Lubbock where old power grids blacked out at times during the afternoon. Also fortunate was the fact this was a dry heat as maximum heat indices were held to around 100 degrees. All event entries recorded highs of at least 110 degrees, with maximums of 112 set at both Lubbock International Airport and near Lake Alan Henry (Garza County).</p>				
PARMER COUNTY --- 2.0 NE FRIONA [34.65, -102.71]				
	06/20/17 23:50 CST		0	Thunderstorm Wind (MG 51 kt)
	06/20/17 23:50 CST		0	Source: Mesonet
A Texas Tech University mesonet site near Friona measured a wind gust to 59 mph.				
<p>Thunderstorms formed over the higher terrain of eastern New Mexico on the evening of the 20th on the east side of a strong upper level ridge. This thunderstorm activity was decaying by the time it reached the Texas/New Mexico state line early on the 21st but was still able to produce a severe wind gust near Friona (Parmer County).</p>				
PARMER COUNTY --- 2.0 NE FRIONA [34.65, -102.71]				
	06/21/17 19:20 CST		0	Thunderstorm Wind (MG 56 kt)
	06/21/17 19:30 CST		0	Source: Mesonet
A Texas Tech University West Texas mesonet site near Friona measured wind gusts up to 65 mph for 10 minutes.				

Storm Data and Unusual Weather Phenomena - June 2017

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For a second consecutive evening, northwest flow thunderstorms produced severe wind gusts in Parmer County. Sustained winds in excess of 50 mph accompanied the severe wind gusts for a period of ten minutes.

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

06/22/17 22:20 CST		0	Thunderstorm Wind (MG 51 kt)
06/22/17 22:20 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Denver City measured a wind gust to 59 mph.

For a third consecutive night, northwest flow thunderstorms produced severe weather. A wind gust to 59 mph was measured by a Texas Tech University West Texas mesonet site near Denver City (Yoakum County) at 2220 CST.

STONEWALL COUNTY --- 3.4 SSE ASPERMONT ARPT [33.08, -100.22]

06/23/17 15:25 CST		3K	Thunderstorm Wind (EG 52 kt)
06/23/17 15:25 CST		0	Source: Law Enforcement

The Stonewall County Sheriff's office reported a power pole that had been blown over and several tree limbs down on US Highway 83 south of Aspermont.

Isolated thunderstorms developed south of a stalled out cold frontal boundary oriented east to west across the southern South Plains and southern Rolling Plains. Strong instability south of the boundary allowed one thunderstorm to become severe in Stonewall County before moving south.

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

06/25/17 22:20 CST		2K	Thunderstorm Wind (MG 71 kt)
06/25/17 22:25 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Muleshoe measured a wind gust to 72 mph at 2220 CST and then 82 mph at 2225 CST. Several windows were destroyed in a restaurant in Muleshoe.

LUBBOCK COUNTY --- (LBB)LUBBOCK INTL AR [33.67, -101.82]

06/26/17 00:25 CST		0	Thunderstorm Wind (MG 52 kt)
06/26/17 00:25 CST		0	Source: ASOS

The Automated Surface Observation System at Lubbock International Airport measured a wind gust to 60 mph.

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

06/26/17 00:40 CST		0	Thunderstorm Wind (MG 57 kt)
06/26/17 00:40 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Brownfield measured a wind gust to 66 mph.

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

06/26/17 01:35 CST		0	Thunderstorm Wind (MG 53 kt)
06/26/17 01:35 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near O'Donnell measured a wind gust to 61 mph.

GARZA COUNTY --- 5.4 SSW GRAHAM CHAPEL [33.08, -101.52]

06/26/17 01:50 CST		0	Thunderstorm Wind (MG 51 kt)
06/26/17 01:50 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Graham measured a wind gust to 59 mph.

Widespread northwest flow storms impacted a large portion of West Texas from late on the 25th through the early morning hours of the 26th. Several thunderstorms embedded within the widespread activity generated severe wind gusts measured by Texas Tech University West Texas mesonets.

CHILDRESS COUNTY --- 1.5 W CHILDRESS [34.42, -100.23], 0.6 NE CHILDRESS [34.43, -100.19]

06/30/17 18:23 CST		2M	Hail (3.00 in)
06/30/17 18:37 CST		0	Source: Social Media

Storm Data and Unusual Weather Phenomena - June 2017

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Numerous photos of hail larger than baseballs were received from the south and southeast parts of the city of Childress. The slow movement of this supercell storm compounded damage to hundreds of vehicles, homes and buildings in the area. Combined property losses are estimated to be around \$2 million.

KENT COUNTY --- 0.6 E JAYTON [33.25, -100.57]

06/30/17 18:27 CST	0	Hail (1.00 in)
06/30/17 18:27 CST	0	Source: Law Enforcement

Damage, if any, was unknown.

STONEWALL COUNTY --- 0.9 SE ASPERMONT [33.14, -100.22]

06/30/17 19:05 CST	5K	Thunderstorm Wind (EG 61 kt)
06/30/17 19:05 CST	0	Source: Law Enforcement

Law enforcement reported some roof damage to the high school's gym.

STONEWALL COUNTY --- 0.9 SE ASPERMONT [33.14, -100.22]

06/30/17 19:24 CST	0	Thunderstorm Wind (EG 56 kt)
06/30/17 19:24 CST	0	Source: Law Enforcement

The second severe storm within 20 minutes in Aspermont produced a round of more widespread damaging winds. Several small tree limbs were downed in the area.

LAMB COUNTY --- 0.9 NE SUDAN [34.08, -102.52], 3.9 SSE BAINER [33.83, -102.20]

06/30/17 21:50 CST	10M	Hail (4.00 in)
06/30/17 23:05 CST	20M	Source: Trained Spotter

An intense, slow-moving supercell tracked slowly southeast along and near U.S. Highway 84 causing significant damage along its 28-mile path, particularly in Amherst and Littlefield. Wind driven hail as large as softballs devastated home siding, shattered windows, punctured roofs in homes, and severely damaged vehicles. An estimated 1500 homes and buildings in Amherst and Littlefield sustained moderate to severe hail damage, with many rural homes and outbuildings also affected. Financially, the greatest losses were dealt to approximately 50,000 acres of corn, cotton and sorghum. Those crops that avoided the worst hail succumbed to torrential rains, flooding and wash outs. Total crop losses are estimated at approximately \$20 million. Many farmers were determined to replant with 90-day corn or sorghum.

LAMB COUNTY --- LITTLEFIELD [33.92, -102.32], 8.0 SE LITTLEFIELD [33.84, -102.22]

06/30/17 22:40 CST	0	Thunderstorm Wind (EG 61 kt)
06/30/17 23:05 CST	0	Source: Trained Spotter

Intense straight line winds accompanied hail as great as 4 inches in diameter.

HOCKLEY COUNTY --- 0.3 NNW ANTON [33.82, -102.17], 0.9 SW ANTON [33.81, -102.18], 1.9 SSE ANTON [33.79, -102.16], 1.3 SE ANTON [33.81, -102.15]

06/30/17 23:05 CST	0.25M	Flash Flood (due to Heavy Rain)
06/30/17 23:59 CST	0.50M	Source: Law Enforcement

The Sheriff's Office reported that Anton was inaccessible due to flood waters up to three feet deep in locations. Several homes sustained flood damage from water inundation.

HOCKLEY COUNTY --- 0.6 W ANTON [33.82, -102.18], 1.5 SSE ROUNDUP [33.75, -102.09]

06/30/17 23:05 CST	0	Thunderstorm Wind (EG 70 kt)
06/30/17 23:30 CST	0	Source: NWS Employee

Intense straight line winds accompanied hail as great as baseball size.

HOCKLEY COUNTY --- 0.6 W ANTON [33.82, -102.18], 1.5 SSE ROUNDUP [33.75, -102.09]

06/30/17 23:05 CST	3M	Hail (2.75 in)
06/30/17 23:30 CST	1	1.50M Source: Local Official

Storm Data and Unusual Weather Phenomena - June 2017

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----------	-----------	-------------------	---------------------	------------------------

This is the continuation path of the devastating supercell that moved slowly southeast along U.S. Highway 84 from Lamb County. Wind-driven hail as large as baseballs shattered home windows, destroyed siding, punctured roofs, heavily damaged vehicles, wiped out crops, and stripped trees across far northeast Hockley County. The mayor of Anton described the hail damage as the worst he had ever seen in decades of living on the Texas South Plains and declared a state of disaster. The American Red Cross said 100% of the roughly 400 homes in Anton sustained serious damage, with each home requiring on average \$6,000 of repairs. One resident of Anton was bruised by the large hail and cut by broken glass as he attempted to cover up shattered windows during the storm. About 8,000 acres of crops in extreme northeast Hockley County were a total loss from the hail, torrential rainfall and flooding that ensued.

LUBBOCK COUNTY --- 6.7 NW SHALLOWATER ARPT [33.75, -102.08], 0.7 ENE SHALLOWATER [33.68, -101.97]

06/30/17 23:20 CST	6M	Hail (2.50 in)
06/30/17 23:50 CST	10M	Source: Social Media

This is the continuation path of the devastating supercell that affected Lamb and far northeast Hockley Counties. Wind-driven hail up to the size of tennis balls devastated area crops and caused moderate to heavy damage to about 100 rural homes in far northwest Lubbock County, generally northwest to just northeast of Shallowater. The heaviest toll was inflicted to roughly 40,000 acres of cotton, sorghum and corn which became a total loss after heavy rains and flooding eroded the young plants. Fortunately, the supercell storm dissipated northwest of Lubbock in response to a line of storms developing immediately to its southeast.

LUBBOCK COUNTY --- 3.9 S DOUD [33.51, -101.93]

06/30/17 23:30 CST	50K	Lightning
06/30/17 23:30 CST	0	Source: Fire Department/Rescue

Lightning struck a two-story single family residence and proceeded to cause several small fires within the electrical wiring in the upstairs of the house. The family of four was uninjured, but displaced as fire crews tended to hot spots above the ceiling.

YOAKUM COUNTY --- PLAINS [33.18, -102.83]

06/30/17 23:35 CST	0	Hail (1.00 in)
06/30/17 23:35 CST	0	Source: Law Enforcement

Damage, if any, was unknown.

LUBBOCK COUNTY --- 3.0 E BURRIS [33.53, -101.73], 3.0 E BURRIS [33.53, -101.73], 4.1 ENE BURRIS [33.55, -101.71], 4.6 N POSEY [33.55, -101.70]

06/30/17 23:50 CST	0	Flood (due to Heavy Rain)
06/30/17 23:59 CST	0	Source: Department of Highways

Sections of FM Road 835 and County Road 7000 flooded and were eventually closed by Texas DPS officials shortly after midnight CST on July 1st. The flooded roads focused along the west end of Buffalo Springs Lake.

A short-lived, but intense heat spell with highs of 102 to 108 came to an abrupt end late this evening as active northwest flow overspread the region. Isolated, high-based supercell thunderstorms erupted first near the U.S. Highway 83 corridor from Childress south to Aspermont, with even more intense supercells occurring later over the western South Plains. Some of these storms produced giant hail of 3 to 4 inches in diameter causing severe damage to crops, buildings and vehicles. Cities hit especially hard included Childress, Amherst, Littlefield, and Anton where combined property damages may exceed \$10 million with regional agricultural losses approaching \$50 million. Toward midnight CST, individual storms grew more linear over the southern South Plains before exiting southeast of the region before daybreak on July 1st.