

Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NEW MEXICO, Southeast				
EDDY COUNTY --- 3.0 W WHITES CITY [32.17, -104.42]				
	06/07/17 22:52 MST		0	Thunderstorm Wind (MG 51 kt)
	06/07/17 22:52 MST		0	Source: Mesonet
A thunderstorm moved across Eddy County and produced a 59 mph wind gust at the mesonet site three miles west of Whites City.				
LEA COUNTY --- 2.0 SW TATUM [33.23, -103.34]				
	06/08/17 21:45 MST		0	Thunderstorm Wind (MG 53 kt)
	06/08/17 21:45 MST		0	Source: Mesonet
A thunderstorm moved across Lea County and produced a 61 mph wind gust at the mesonet site two miles southwest of Tatum.				
A couple of disturbances moved over the region. There was good wind shear and instability across the area. These conditions contributed to thunderstorms that produced strong winds across southeast New Mexico.				
LEA COUNTY --- 1.0 SE LOVINGTON [32.92, -103.34]				
	06/23/17 13:45 MST		0	Thunderstorm Wind (EG 61 kt)
	06/23/17 13:45 MST		0	Source: Public
A thunderstorm moved across Lea County and produced a 70 mph wind gust one mile southeast of Lovington.				
LEA COUNTY --- 1.0 SE LOVINGTON [32.92, -103.34]				
	06/23/17 13:45 MST		0	Hail (1.75 in)
	06/23/17 13:50 MST		0	Source: Public
LEA COUNTY --- 3.0 SSW HOBBS [32.66, -103.15]				
	06/23/17 13:50 MST		0	Thunderstorm Wind (MG 62 kt)
	06/23/17 13:50 MST		0	Source: Trained Spotter
A thunderstorm moved across Lea County and produced a 71 mph wind gust three miles south southwest of Hobbs.				
LEA COUNTY --- HOBBS [32.70, -103.13]				
	06/23/17 13:50 MST		26K	Thunderstorm Wind (EG 74 kt)
	06/23/17 13:50 MST		0	Source: Public
A thunderstorm moved across Lea County and produced wind damage in Hobbs . A horse barn was blown into a solar panel array at the New Mexico Junior College. There was wind damage at the Albertsons Grocery Store near West Bender Boulevard . Pieces of the HVAC equipment were lifted off the roof of the Albertsons. The time was estimated from radar. The cost of damage is a very rough estimate.				
LEA COUNTY --- 5.0 NW HOBBS [32.75, -103.19]				
	06/23/17 13:52 MST		0	Thunderstorm Wind (MG 53 kt)
	06/23/17 13:52 MST		0	Source: Mesonet
A thunderstorm moved across Lea County and produced a 61 mph wind gust five miles northwest of Hobbs.				
LEA COUNTY --- 1.0 E HOBBS [32.70, -103.11]				
	06/23/17 13:55 MST		0	Thunderstorm Wind (EG 52 kt)
	06/23/17 13:55 MST		0	Source: Trained Spotter
A thunderstorm moved across Lea County and produced a 60 mph wind gust one mile east of Hobbs.				
LEA COUNTY --- 1.8 N HOBBS [32.73, -103.14]				
	06/23/17 14:00 MST		10K	Thunderstorm Wind (EG 61 kt)
	06/23/17 14:00 MST		0	Source: Broadcast Media
A thunderstorm moved across Lea County and produced wind damage in Hobbs . Windows were blown out at KHOB Radio on N. Bensing Road and power poles were blown down along N. Bender Boulevard. The cost of damage is a very rough estimate.				
LEA COUNTY --- 3.0 SW HOBBS [32.67, -103.17]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/23/17 14:05 MST		0	Thunderstorm Wind (MG 55 kt)
	06/23/17 14:05 MST		0	Source: ASOS

A thunderstorm moved across Lea County and produced a 63 mph wind gust three miles southwest of Hobbs.

LEA COUNTY --- 1.2 NW HOBBS [32.71, -103.14]

	06/23/17 14:10 MST		6K	Thunderstorm Wind (EG 61 kt)
	06/23/17 14:10 MST		0	Source: County Official

A thunderstorm moved across Lea County and produced wind damage in Hobbs. A large section of the roof was blown off of the Albertsons store on North Grimes. The cost of damage is a very rough estimate.

LEA COUNTY --- 1.7 ESE HOBBS IND ARPT [32.76, -103.18], 2.3 ESE HOBBS IND ARPT [32.76, -103.16], 2.4 ESE HOBBS IND ARPT [32.75, -103.16], 1.8 SE HOBBS IND ARPT [32.76, -103.17]

	06/23/17 14:43 MST		10K	Flash Flood (due to Heavy Rain)
	06/23/17 17:00 MST		0	Source: Public

Heavy rain fell across Lea County and produced flash flooding near Hobbs. Millen Drive east of Highway 18 was closed due to flooding. There were reports of multiple cars floating on the sides of the road and water rescues. The cost of damage is a very rough estimate.

There was an upper ridge over the southwest part of the country with a cold front that moved into West Texas and southeast New Mexico during the late afternoon and evening hours. A lot of heat and plentiful low-level moisture were across the area which aided in instability, and there was a surface low in the vicinity of the western Permian Basin. There was an upper level disturbance that moved over the area and intense low level winds that developed that evening and night which brought in more moisture. These conditions, along with good wind shear, allowed for thunderstorms to develop across West Texas and southeast New Mexico. These storms produced large hail, damaging winds, and flash flooding.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Pieces of HVAC equipment were lifted off the roof of the Albertsons in Hobbs, NM due to thunderstorm winds. Photo courtesy of the NWS survey team.

TEXAS, West

PECOS COUNTY --- 11.9 SSE BELDING [30.62, -102.94]

06/01/17 15:07 CST	0	Hail (1.00 in)
06/01/17 15:12 CST	0	Source: Law Enforcement

An upper level disturbance was exiting the region with weak upper ridging developing across the area through the early afternoon hours. An upper trough was over Northern Mexico later in the day and began to move east. There was a lot of moisture and decent instability across West Texas. These conditions lead to the development of storms with large hail.

CULBERSON COUNTY --- PINE SPGS [31.88, -104.80]

06/07/17 23:52 CST	0	Thunderstorm Wind (MG 51 kt)
06/07/17 23:52 CST	0	Source: Mesonet

A thunderstorm moved across Culberson County and produced a 59 mph wind gust at the Pine Springs mesonet site.

A couple of disturbances moved over the region. There was good wind shear and instability across the area. These conditions contributed to thunderstorms that produced strong winds across West Texas.

PECOS COUNTY --- COYANOSA [31.17, -103.00]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/12/17 15:45 CST		10K	Thunderstorm Wind (EG 61 kt)
	06/12/17 15:45 CST		0	Source: Public
A thunderstorm moved across Pecos County and produced wind damage . The power was knocked out in Coyanosa. The cost of damage is a very rough estimate.				
WARD COUNTY --- MONAHANS [31.58, -102.90]				
	06/12/17 16:45 CST		0	Thunderstorm Wind (EG 52 kt)
	06/12/17 16:45 CST		0	Source: Public
A thunderstorm moved through Monahans and the public estimated a wind gust of 60 mph.				
ECTOR COUNTY --- 5.0 NE ODESSA ECTOR CO ARPT [31.97, -102.32]				
	06/12/17 17:14 CST		0	Thunderstorm Wind (MG 59 kt)
	06/12/17 17:14 CST		0	Source: ASOS
A thunderstorm moved through Odessa and produced a 68 mph wind gust at Odessa Schlemeyer Airport ASOS.				
ECTOR COUNTY --- 2.0 NNE ODESSA [31.88, -102.36]				
	06/12/17 17:15 CST		0	Hail (2.00 in)
	06/12/17 17:20 CST		0	Source: Public
Report was located at Permian High School.				
ECTOR COUNTY --- ODESSA [31.85, -102.37]				
	06/12/17 17:15 CST		0	Thunderstorm Wind (MG 63 kt)
	06/12/17 17:15 CST		0	Source: Public
A thunderstorm moved through Odessa and the public reported a wind gust measurement of 72 mph.				
ECTOR COUNTY --- ODESSA [31.85, -102.37]				
	06/12/17 17:15 CST		0.10M	Thunderstorm Wind (EG 61 kt)
	06/12/17 17:15 CST		0	Source: Public
A thunderstorm moved across Ector County and produced wind damage in several locations . The damage consisted of fences and walls blown over, the front doors at a local Walmart damaged , trees uprooted, a trampoline blown out of a yard, and parts of roofs being blown off. The cost of damage is a very rough estimate.				
ECTOR COUNTY --- ODESSA [31.85, -102.37]				
	06/12/17 17:15 CST		0	Hail (1.75 in)
	06/12/17 17:20 CST		0	Source: Public
ECTOR COUNTY --- ODESSA [31.85, -102.37]				
	06/12/17 17:15 CST		0.50K	Hail (2.00 in)
	06/12/17 17:20 CST		0	Source: Public
A thunderstorm moved across Ector County and produced hail damage in Odessa . A back window was broken out of a car at a car dealership . The cost of damage is a very rough estimate.				
ECTOR COUNTY --- 4.0 S ODESSA [31.79, -102.37]				
	06/12/17 17:18 CST		0	Hail (1.00 in)
	06/12/17 17:23 CST		0	Source: Public
ECTOR COUNTY --- 3.0 N ODESSA [31.89, -102.37]				
	06/12/17 17:21 CST		0	Hail (1.75 in)
	06/12/17 17:26 CST		0	Source: Broadcast Media
MIDLAND COUNTY --- 5.2 SSE WARFIELD [31.85, -102.20]				
	06/12/17 17:23 CST		0	Hail (1.25 in)
	06/12/17 17:28 CST		0	Source: Emergency Manager

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MIDLAND COUNTY --- 2.8 WSW WARFIELD [31.90, -102.27]	06/12/17 17:25 CST		0	Hail (1.00 in)
	06/12/17 17:30 CST		0	Source: NWS Employee

MIDLAND COUNTY --- MIDLAND [32.00, -102.08]	06/12/17 17:30 CST		50K	Thunderstorm Wind (EG 56 kt)
	06/12/17 17:30 CST		0	Source: Public

A thunderstorm moved across Midland County and produced wind damage in the City of Midland . The damage includes a tree that fell on top of some vehicles at an apartment complex, a tree fell on top of some power lines, a trampoline was blown into some powerlines, the foul pole at the local baseball stadium was damaged, and a power pole was blown down on top of a house. The cost of damage is a very rough estimate.

MIDLAND COUNTY --- 0.6 N (MAF) MIDLAND INTL [31.94, -102.20]	06/12/17 17:31 CST		0	Thunderstorm Wind (MG 57 kt)
	06/12/17 17:31 CST		0	Source: ASOS

A thunderstorm moved across Midland County and produced a 66 mph wind gust at the ASOS site.

MIDLAND COUNTY --- 1.1 NE (MAF) MIDLAND INTL [31.94, -102.19]	06/12/17 17:35 CST		0	Hail (1.00 in)
	06/12/17 17:40 CST		0	Source: NWS Employee

MIDLAND COUNTY --- 1.1 NE (MAF) MIDLAND INTL [31.94, -102.19]	06/12/17 17:36 CST		0.20K	Thunderstorm Wind (EG 61 kt)
	06/12/17 17:36 CST		0	Source: NWS Employee

A thunderstorm moved across Midland County and produced wind damage . A tree branch approximately 18 inches in diameter was blown down. The cost of damage is a very rough estimate.

MIDLAND COUNTY --- 5.0 NW MIDLAND [32.05, -102.14]	06/12/17 17:43 CST		0	Thunderstorm Wind (EG 56 kt)
	06/12/17 17:43 CST		0	Source: NWS Employee

A thunderstorm moved across Midland County and produced a 65 mph wind gust five miles northwest of the City of Midland.

A dryline was set up against across the higher terrain before moving eastward through the afternoon. Upper air disturbances moved across the region providing upper level lift. Instability was high with good moisture in place, and enough wind shear was present to sustain organized thunderstorms that produced large damaging hail and damaging winds.

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Location

Date/Time


Deaths &
Injuries

Property &
Crop Dmg

Event Type and Details



Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				
<i>Golf ball sized hail fell in Odessa, TX. Photo courtesy of Christie Boerstler.</i>				
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PECOS COUNTY --- 1.0 W BELDING [30.78, -103.04]	06/13/17 18:30 CST	0		Hail (1.00 in)
	06/13/17 18:35 CST	0		Source: Law Enforcement
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DAWSON COUNTY --- 0.5 S MIDWAY [32.67, -101.78]	06/13/17 18:40 CST	0		Hail (1.75 in)
	06/13/17 18:45 CST	0		Source: Trained Spotter
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DAWSON COUNTY --- 9.0 ESE LAMESA [32.68, -101.81]	06/13/17 18:40 CST	0		Hail (1.50 in)
	06/13/17 18:45 CST	0		Source: Trained Spotter
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DAWSON COUNTY --- 2.0 SE LAMESA [32.71, -101.93]	06/13/17 18:45 CST	0		Thunderstorm Wind (MG 55 kt)
	06/13/17 18:45 CST	0		Source: Mesonet
<p>A thunderstorm moved over Lamesa and produced a wind gust of 63 mph at the West Texas Mesonet two miles southeast of Lamesa.</p>				
<p>A dryline was set up along the New Mexico and Texas state line. To the east of the dryline, there was ample moisture which increased instability. The wind shear over the area was enough to support organized severe storms, and intense afternoon heating aided severe thunderstorm development. These storms produced large hail across parts of the Permian Basin and some isolated severe wind gusts.</p>				
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ECTOR COUNTY --- 0.4 SSW WEST ODESSA [31.82, -102.50]	06/14/17 17:30 CST	32K		Thunderstorm Wind (EG 87 kt)
	06/14/17 17:30 CST	0		Source: NWS Storm Survey
<p>A thunderstorm moved across Ector County and produced wind damage in West Odessa . There were sixteen power poles that snapped. The cost of damage is a very rough estimate.</p>				
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ECTOR COUNTY --- 1.4 NNE WESTOVER [31.84, -102.44]	06/14/17 17:38 CST	0		Hail (1.00 in)
	06/14/17 17:43 CST	0		Source: Trained Spotter
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ECTOR COUNTY --- 1.0 S ODESSA [31.84, -102.37]	06/14/17 17:44 CST	0		Hail (1.50 in)
	06/14/17 17:49 CST	0		Source: Public
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ECTOR COUNTY --- ODESSA [31.85, -102.37]	06/14/17 17:45 CST	0		Thunderstorm Wind (EG 52 kt)
	06/14/17 17:45 CST	0		Source: Public
<p>A thunderstorm moved across Ector County and produced a 60 mph wind gust in Odessa.</p>				
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ECTOR COUNTY --- 0.2 NNE ODESSA [31.85, -102.37]	06/14/17 17:46 CST	0		Hail (1.50 in)
	06/14/17 17:51 CST	0		Source: Public
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ECTOR COUNTY --- 2.2 NNE ODESSA [31.88, -102.35]	06/14/17 17:48 CST	0		Hail (1.50 in)
	06/14/17 17:53 CST	0		Source: Trained Spotter
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ECTOR COUNTY --- 3.9 NE ODESSA [31.89, -102.32]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/14/17 17:50 CST		0	Hail (1.50 in)
	06/14/17 17:55 CST		0	Source: Public

ECTOR COUNTY --- 4.0 NE ODESSA [31.88, -102.31]

	06/14/17 17:50 CST		1M	Hail (2.00 in)
	06/14/17 17:55 CST		0	Source: Public

A thunderstorm moved across Ector County and produced two inch hail in Odessa. The cost of damage is a very rough estimate.

ECTOR COUNTY --- 1.6 ENE ODESSA [31.86, -102.35]

	06/14/17 17:52 CST		0	Hail (1.00 in)
	06/14/17 17:57 CST		0	Source: Trained Spotter

ECTOR COUNTY --- 5.8 E ODESSA ECTOR CO ARPT [31.91, -102.28]

	06/14/17 17:53 CST		1M	Hail (4.00 in)
	06/14/17 17:58 CST		0	Source: CoCoRaHS

A thunderstorm moved across Ector County and produced four inch hail in east Odessa . The hail left dents in cars and broke windshields. It also caused damage to house shingles and windows. The cost of damage is a very rough estimate.

ECTOR COUNTY --- 6.4 ESE ODESSA ECTOR CO ARPT [31.90, -102.27]

	06/14/17 17:54 CST		0	Hail (2.75 in)
	06/14/17 17:59 CST		0	Source: NWS Employee

ECTOR COUNTY --- 2.1 SSE ODESSA ECTOR CO ARPT [31.89, -102.37]

	06/14/17 17:55 CST		0	Hail (2.50 in)
	06/14/17 18:00 CST		0	Source: Public

A thunderstorm moved across Odessa and produced tennis ball sized hail.

ECTOR COUNTY --- 2.2 NE ODESSA [31.88, -102.35]

	06/14/17 17:55 CST		1M	Hail (1.75 in)
	06/14/17 18:00 CST		0	Source: Public

A thunderstorm moved across Odessa and produced golf ball sized hail which damaged houses and cars. The cost of damage is a very rough estimate.

ECTOR COUNTY --- 2.6 SE ODESSA ECTOR CO ARPT [31.90, -102.34]

	06/14/17 17:55 CST		1M	Thunderstorm Wind (EG 56 kt)
	06/14/17 17:55 CST		0	Source: Public

A thunderstorm moved across Ector County and produced wind damage in Odessa . There were many reports of trees being uprooted and blown over as well as sheds destroyed and damage to roofs. The cost of damage is a very rough estimate.

ECTOR COUNTY --- 4.5 ESE ODESSA ECTOR CO ARPT [31.89, -102.31]

	06/14/17 17:55 CST		1M	Hail (2.75 in)
	06/14/17 18:00 CST		0	Source: Public

Numerous reports of baseball sized hail were reported by the public in Odessa. This hail broke windows on cars and homes. The cost of damage is a very rough estimate.

ECTOR COUNTY --- 5.2 ESE ODESSA ECTOR CO ARPT [31.90, -102.29]

	06/14/17 17:55 CST		1M	Hail (3.50 in)
	06/14/17 18:00 CST		0	Source: Public

A thunderstorm moved across Ector County and produced softball sized hail in Odessa . The hail busted windows in cars, homes, and businesses as well as left dents on cars and damaged the siding on homes. The cost of damage is a very rough estimate.

ECTOR COUNTY --- 5.2 E ODESSA ECTOR CO ARPT [31.92, -102.29]

	06/14/17 17:57 CST		0	Hail (4.25 in)
	06/14/17 18:02 CST		0	Source: Emergency Manager

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ECTOR COUNTY --- 0.8 W ODESSA ECTOR CO ARPT [31.92, -102.39]				
	06/14/17 17:58 CST		0	Thunderstorm Wind (MG 56 kt)
	06/14/17 17:58 CST		0	Source: ASOS
A thunderstorm moved across Ector County and produced a 64 mph wind gust at the Odessa Airport.				
ECTOR COUNTY --- 2.0 N ODESSA [31.88, -102.37]				
	06/14/17 17:58 CST		0	Hail (2.00 in)
	06/14/17 18:03 CST		0	Source: Trained Spotter
MIDLAND COUNTY --- 3.0 WSW MIDLAND [31.98, -102.13]				
	06/14/17 18:00 CST		0	Heavy Rain
	06/14/17 18:20 CST		0	Source: Trained Spotter
Heavy rain fell three miles west southwest of Midland. The storm total rain was between 1.00 to 1.24 inches.				
MIDLAND COUNTY --- 2.1 WSW WARFIELD [31.91, -102.26]				
	06/14/17 18:02 CST		0	Hail (2.75 in)
	06/14/17 18:07 CST		0	Source: Emergency Manager
MIDLAND COUNTY --- 4.7 W MIDLAND [32.01, -102.16]				
	06/14/17 18:02 CST		0	Hail (1.00 in)
	06/14/17 18:07 CST		0	Source: Emergency Manager
MIDLAND COUNTY --- 3.8 NNW (MAF) MIDLAND INTL [31.98, -102.23]				
	06/14/17 18:07 CST		0	Hail (2.75 in)
	06/14/17 18:12 CST		0	Source: Emergency Manager
MIDLAND COUNTY --- 1.1 NE (MAF) MIDLAND INTL [31.94, -102.19]				
	06/14/17 18:08 CST		0	Hail (1.50 in)
	06/14/17 18:13 CST		0	Source: NWS Employee
SCURRY COUNTY --- 1.0 S KNAPP [32.64, -101.12]				
	06/14/17 18:12 CST		0	Hail (1.75 in)
	06/14/17 18:17 CST		0	Source: Public
MIDLAND COUNTY --- 3.0 SW MIDLAND [31.97, -102.12]				
	06/14/17 18:20 CST		0	Hail (1.50 in)
	06/14/17 18:25 CST		0	Source: CoCoRaHS
MIDLAND COUNTY --- 3.8 WNW MIDLAND [32.02, -102.14]				
	06/14/17 18:24 CST		0	Hail (1.00 in)
	06/14/17 18:29 CST		0	Source: Public
MITCHELL COUNTY --- 1.0 W CUTHBERT [32.48, -101.05]				
	06/14/17 18:30 CST		13K	Thunderstorm Wind (EG 56 kt)
	06/14/17 18:30 CST		0	Source: Public
A thunderstorm moved across Mitchell County and produced wind damage near Cuthbert. A barn was blown down from the thunderstorm winds. The cost of damage is a very rough estimate.				
MITCHELL COUNTY --- 2.0 NW CUTHBERT [32.50, -101.05]				
	06/14/17 18:30 CST		0	Thunderstorm Wind (EG 61 kt)
	06/14/17 18:30 CST		0	Source: Public
A thunderstorm moved across Mitchell County and produced a 70 mph wind gust two miles northwest of Cuthbert.				
MITCHELL COUNTY --- 2.0 NW CUTHBERT [32.50, -101.05]				

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	06/14/17 18:30 CST		0	Hail (1.00 in)
	06/14/17 18:35 CST		0	Source: Public
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MITCHELL COUNTY --- 4.0 NW CUTHBERT [32.52, -101.08]				
	06/14/17 18:35 CST		0	Hail (2.50 in)
	06/14/17 18:40 CST		0	Source: Public
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MIDLAND COUNTY --- 2.8 NNW MIDLAND [32.04, -102.10]				
	06/14/17 18:38 CST		6K	Thunderstorm Wind (MG 50 kt)
	06/14/17 18:38 CST		0	Source: AWOS
<p>A thunderstorm moved across Midland County and produced a 58 mph wind gust at the Midland Airpark. The wind resulted in roof damage at the Greenhill Terrace Pool. The cost of damage is a very rough estimate.</p>				
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MARTIN COUNTY --- 2.0 WNW TARZAN [32.31, -102.00]				
	06/14/17 18:41 CST		0	Thunderstorm Wind (MG 60 kt)
	06/14/17 18:41 CST		0	Source: Mesonet
<p>A thunderstorm moved across Martin County and produced a 69 mph wind gust at the mesonet site near Tarzan.</p>				
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BORDEN COUNTY --- 2.4 NE LAKE J B THOMAS [32.63, -101.17]				
	06/14/17 18:55 CST		20K	Thunderstorm Wind (EG 56 kt)
	06/14/17 18:55 CST		0	Source: Fire Department/Rescue
<p>A thunderstorm moved across Borden County and produced wind damage north of Lake JB Thomas . Ten power poles were blown down north of Lake JB Thomas and west of Bull Creek Channel but the exact location is not known. The cost of damage is a very rough estimate.</p>				
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MITCHELL COUNTY --- 5.0 N WESTBROOK [32.42, -101.02]				
	06/14/17 19:00 CST		0	Thunderstorm Wind (EG 61 kt)
	06/14/17 19:00 CST		0	Source: Trained Spotter
<p>A thunderstorm moved across Mitchell County and produced a 70 mph wind gust five miles north of Westbrook.</p>				
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MITCHELL COUNTY --- 5.0 N WESTBROOK [32.42, -101.02]				
	06/14/17 19:00 CST		0	Hail (1.00 in)
	06/14/17 19:05 CST		0	Source: Trained Spotter
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HOWARD COUNTY --- 0.4 ENE KNOTT [32.40, -101.64]				
	06/14/17 19:04 CST		0	Hail (1.75 in)
	06/14/17 19:09 CST		0	Source: Public
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HOWARD COUNTY --- 4.4 WSW LUTHER [32.42, -101.54]				
	06/14/17 19:20 CST		0	Hail (1.75 in)
	06/14/17 19:25 CST		0	Source: Public

During the early evening of June 14, 2017 severe thunderstorms developed along a dryline and moved across Odessa and into Midland, Texas. An upper low was over North Dakota while upper ridging was over northern Mexico. A shortwave passing over the northern part of the ridge put West Texas in westerly winds aloft and provided some upper level support for thunderstorms. Good moisture east of the dryline, strong heating at the surface with temperatures in the upper 90s to 100s, and high lapse rates lead to very strong instability. Those parameters in combination with wind shear attributed to organized thunderstorm development. These thunderstorms were not supercells, instead they were extremely strong multicellular thunderstorms with tops exceeding 60,000 feet. These severe storms produced very large hail and damaging winds as they moved across parts of the Permian Basin, impacting the highly populated cities of Midland and Odessa. Odessa received the largest hail and strongest winds.

The thunderstorms began to weaken as they moved into the City of Midland. The storm survey noted damage across a wide area of Odessa and West Odessa. There were reports of power poles snapped. There were numerous reports of baseball size or larger hail and the storm survey found evidence of hail possibly larger than softball size. Numerous homes and businesses had roof damage, windows broken and exterior siding damaged. Numerous trees were uprooted by the strong winds and thousands of cars were damaged by the large hail. This was likely caused by a microburst with estimated wind speeds of 100 mph. The damage estimate for the storms this day and on June 12th totaled to \$480 million.

Storm Data and Unusual Weather Phenomena - June 2017

Location

Date/Time

Deaths &
Injuries

Property &
Crop Dmg

Event Type and Details



Storm Data and Unusual Weather Phenomena - June 2017

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

A thunderstorm moved across Odessa, TX and snapped power polls. Photo is courtesy of the NWS survey team.

REEVES COUNTY --- 2.0 SSW PECOS [31.39, -103.49]

06/15/17 15:55 CST	0		Thunderstorm Wind (MG 56 kt)
06/15/17 15:55 CST	0		Source: AWOS

A thunderstorm moved through Pecos and produced a 64 mph wind gust at the Pecos Airport AWOS.

BORDEN COUNTY --- 12.7 WSW GAIL [32.68, -101.62]

06/15/17 18:11 CST	0		Hail (1.00 in)
06/15/17 18:16 CST	0		Source: Public

SCURRY COUNTY --- 3.0 E SNYDER [32.72, -100.85]

06/15/17 18:30 CST	0		Thunderstorm Wind (MG 56 kt)
06/15/17 18:30 CST	0		Source: Mesonet

A thunderstorm moved through Snyder and produced a 64 mph wind gust at the West Texas Mesonet.

HOWARD COUNTY --- 1.0 SW LUTHER [32.44, -101.48]

06/15/17 18:32 CST	0		Hail (1.25 in)
06/15/17 18:37 CST	0		Source: Trained Spotter

HOWARD COUNTY --- 10.0 NE BIG SPRING [32.35, -101.35]

06/15/17 18:45 CST	0		Hail (1.50 in)
06/15/17 18:50 CST	0		Source: Fire Department/Rescue

HOWARD COUNTY --- SAND SPGS [32.28, -101.33]

06/15/17 19:05 CST	0		Hail (2.00 in)
06/15/17 19:25 CST	0		Source: Social Media

HOWARD COUNTY --- 1.0 S COAHOMA [32.29, -101.30]

06/15/17 19:15 CST	0		Hail (1.00 in)
06/15/17 19:20 CST	0		Source: Fire Department/Rescue

BORDEN COUNTY --- 13.5 WSW LAKE J B THOMAS [32.54, -101.42]

06/15/17 19:40 CST	0		Hail (1.00 in)
06/15/17 19:45 CST	0		Source: Law Enforcement

GLASSCOCK COUNTY --- 1.0 NW GARDEN CITY [31.88, -101.51]

06/15/17 20:10 CST	0		Hail (1.75 in)
06/15/17 20:15 CST	0		Source: Emergency Manager

An upper ridge was over the southcentral part of the country with westerly winds aloft. A dryline set up across the area with very moist air across the eastern Permian Basin and Lower Trans Pecos. High instability and wind shear were in place, which meant that conditions were favorable for thunderstorms to develop. The storms that developed became severe and produced large hail and severe wind gusts across parts of the Permian Basin and Trans Pecos.

UPTON COUNTY --- 6.0 SE RANKIN [31.16, -101.83], 10.3 ESE RANKIN [31.19, -101.73]

06/18/17 18:05 CST	0		Tornado (EF0, L: 6.06 mi , W: 200 yd)
06/18/17 18:13 CST	0		Source: Law Enforcement

A thunderstorm moved across Upton County and produced a tornado six miles southeast of Rankin . The tornado was confirmed in open country south of Highway 67. There was no damage reported with this tornado so it was rated as an EF-0.

Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
REAGAN COUNTY --- 6.0 NE BIG LAKE [31.26, -101.40], 7.8 NE BIG LAKE [31.28, -101.38]				
	06/18/17 19:00 CST		0	Tornado (EF0, L: 1.75 mi , W: 100 yd)
	06/18/17 19:03 CST		0	Source: Public

A thunderstorm moved across Reagan County and produced a landspout . The landspout was observed in open country and no damage was reported so it was rated as an EF-0.

REAGAN COUNTY --- 20.0 N BIG LAKE [31.49, -101.47], 11.0 NE STILES [31.51, -101.44]				
	06/18/17 19:05 CST		0	Tornado (EF0, L: 2.04 mi , W: 150 yd)
	06/18/17 19:08 CST		0	Source: Law Enforcement

A thunderstorm moved across Reagan County and produced a brief landspout . This landspout was observed in an open field just east of State Highway 137 roughly 20 to 25 miles north of Big Lake. There was no damage reported so it was rated as an EF-0.

There was an upper level trough over the Great Lakes/Mississippi Valley region with a cold front that had passed through portions of the Permian Basin. The front created a temperature contrast between the central and northern Permian Basin. This front along with hot, unstable conditions south of the front allowed for thunderstorms to develop. These storms produced a couple of landspouts and a tornado across the southern Permian Basin and Lower Trans Pecos.

Storm Data and Unusual Weather Phenomena - June 2017

Location

Date/Time

Deaths &
Injuries

Property &
Crop Dmg

Event Type and Details



Storm Data and Unusual Weather Phenomena - June 2017

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

A landspout moved across open country in Reagan County and did not produce any damage. Photo is courtesy of Greg Romero.

CULBERSON COUNTY --- PINE SPGS [31.88, -104.80]

06/23/17 14:51 CST		0	Thunderstorm Wind (MG 50 kt)
06/23/17 14:51 CST		0	Source: ASOS

A thunderstorm moved across Culberson County and produced a 58 mph wind gust at Pine Springs.

MITCHELL COUNTY --- 9.0 E COLORADO CITY [32.40, -100.70]

06/23/17 16:00 CST		10K	Thunderstorm Wind (EG 56 kt)
06/23/17 16:00 CST		0	Source: Law Enforcement

A thunderstorm moved across Mitchell County and produced wind damage nine miles east of Colorado City . Power poles were blown down due to the thunderstorm. The cost of damage is a very rough estimate.

ANDREWS COUNTY --- 2.0 E ANDREWS [32.32, -102.52]

06/23/17 16:25 CST		0	Thunderstorm Wind (MG 54 kt)
06/23/17 16:25 CST		0	Source: Mesonet

A thunderstorm moved across Andrews County and produced a 62 mph wind gust two miles east of Andrews.

MIDLAND COUNTY --- 2.5 NW MIDLAND [32.03, -102.11]

06/23/17 16:35 CST		20K	Thunderstorm Wind (EG 65 kt)
06/23/17 16:35 CST		0	Source: NWS Storm Survey

A thunderstorm moved across Midland County and produced wind damage in the City of Midland . The thunderstorm winds damaged the roof of a dorm at Midland College, and there was roof damage at a restaurant near TX-158 and W. Louisiana Avenue in Midland. The thunderstorm winds also snapped a power pole and uprooted trees. The cost of damage is a very rough estimate.

MIDLAND COUNTY --- 2.9 NNW MIDLAND [32.04, -102.10]

06/23/17 16:35 CST		5K	Thunderstorm Wind (MG 64 kt)
06/23/17 16:35 CST		0	Source: ASOS

A thunderstorm moved across Midland County and produced a 74 mph wind gust at Midland Airpark in Midland . A single engine private plane was ripped from its tie down and rolled an estimated 50 yards. The cost of damage is a very rough estimate.

MITCHELL COUNTY --- 0.6 SSE LORAINE [32.41, -100.72]

06/23/17 16:35 CST		8K	Thunderstorm Wind (EG 56 kt)
06/23/17 16:35 CST		0	Source: Law Enforcement

A thunderstorm moved across Mitchell County and produced wind damage in Loraine . There were power lines reported down in Loraine. The time was estimated from radar. The cost of damage is a very rough estimate.

MITCHELL COUNTY --- 2.2 SW LORAINE [32.40, -100.75]

06/23/17 16:43 CST		3M	Thunderstorm Wind (EG 78 kt)
06/23/17 16:43 CST		0	Source: NWS Storm Survey

A thunderstorm moved across Mitchell County and produced wind damage near Loraine . Multiple high profile train cars derailed just south of I-20 near mile marker 223 along Lucus Road. The survey team estimated that the wind speeds were roughly 90 mph through this area. The cost of damage is a very rough estimate.

MITCHELL COUNTY --- 0.8 WSW LORAINE [32.41, -100.73], 0.8 SW LORAINE [32.41, -100.73], 2.6 ESE COLORADO CITY ARPT [32.40, -100.78], 2.5 ESE COLORADO CITY ARPT [32.41, -100.78]

06/23/17 16:45 CST		0.30K	Flash Flood (due to Heavy Rain)
06/23/17 20:00 CST		0	Source: Public

Heavy rain moved across Mitchell County and produced flash flooding west of Loraine. There were flooded access roads along I-20 between mile markers 224 and 221. There was flooding along Lucus Road south of I-20. The cost of damage is a very rough estimate.

Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MITCHELL COUNTY --- COLORADO CITY [32.40, -100.85]				
	06/23/17 16:45 CST		30K	Thunderstorm Wind (MG 53 kt)
	06/23/17 16:45 CST		0	Source: Amateur Radio
A thunderstorm moved across Mitchell County and produced a 61 mph wind gust which caused wind damage in Colorado City. There was moderate tree and roof damage reported. The time was estimated from radar. The cost of damage is a very rough estimate.				
MIDLAND COUNTY --- MIDLAND [32.00, -102.08]				
	06/23/17 16:50 CST		0	Hail (1.00 in)
	06/23/17 16:59 CST		0	Source: Public
MIDLAND COUNTY --- (MAF) MIDLAND INTL [31.93, -102.20]				
	06/23/17 16:52 CST		0	Thunderstorm Wind (MG 52 kt)
	06/23/17 16:52 CST		0	Source: ASOS
A thunderstorm moved across Midland County and produced a 60 mph wind gust at the Midland International Air and Space Port.				
MIDLAND COUNTY --- 5.0 WNW MIDLAND [32.03, -102.16]				
	06/23/17 16:55 CST		0	Thunderstorm Wind (EG 52 kt)
	06/23/17 16:55 CST		0	Source: Trained Spotter
A thunderstorm moved across Midland County and produced a 60 mph wind gust five miles west northwest of the City of Midland.				
MIDLAND COUNTY --- 5.0 WNW MIDLAND [32.03, -102.16]				
	06/23/17 16:55 CST		0	Hail (0.88 in)
	06/23/17 17:00 CST		0	Source: Trained Spotter
MIDLAND COUNTY --- 4.3 W MIDLAND [31.99, -102.15]				
	06/23/17 17:00 CST		0	Hail (0.88 in)
	06/23/17 17:05 CST		0	Source: Amateur Radio
DAWSON COUNTY --- 2.0 SE LAMESA [32.71, -101.93]				
	06/23/17 17:30 CST		0	Thunderstorm Wind (MG 53 kt)
	06/23/17 17:30 CST		0	Source: Mesonet
A thunderstorm moved across Dawson County and produced a 61 mph wind gust two miles southeast of Lamesa.				
REEVES COUNTY --- 0.5 WNW PECOS [31.42, -103.49]				
	06/23/17 18:03 CST		5K	Thunderstorm Wind (MG 56 kt)
	06/23/17 18:03 CST		0	Source: Amateur Radio
A thunderstorm moved across Reeves County and produced a 64 mph wind gust in Pecos. There were power outages reported in Pecos. The cost of damage is a very rough estimate.				
GLASSCOCK COUNTY --- 4.0 SW ST LAWRENCE [31.63, -101.55]				
	06/23/17 18:35 CST		0	Thunderstorm Wind (MG 56 kt)
	06/23/17 18:35 CST		0	Source: Mesonet
A thunderstorm moved across Glasscock County and produced a 64 mph wind gust four miles southwest of St. Lawrence.				
REAGAN COUNTY --- 1.0 WSW BIG LAKE [31.19, -101.49]				
	06/23/17 19:29 CST		0	Thunderstorm Wind (MG 50 kt)
	06/23/17 19:29 CST		0	Source: Mesonet
A thunderstorm moved across Reagan County and produced a wind gust of 58 mph one mile west southwest of Big Lake.				

There was an upper ridge over the southwest part of the country with a cold front that moved into West Texas and southeast New Mexico during the late afternoon and evening hours. A lot of heat and plentiful low-level moisture were across the area which aided in instability, and there was a surface low in the vicinity of the western Permian Basin. There was an upper level disturbance that moved over the area and intense low level winds that developed that evening and night which brought in more moisture. These conditions, along with good wind shear, allowed for thunderstorms to develop across West Texas and southeast New Mexico. These storms

Storm Data and Unusual Weather Phenomena - June 2017

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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produced large hail, damaging winds, and flash flooding.



A single engine plane was ripped from its tie down and rolled an estimated 50 yards at the Midland Air Park in Midland, TX from thunderstorm winds. Photo is courtesy of the NWS survey team.

MIDLAND COUNTY --- MIDLAND [32.00, -102.08], 2.5 WSW MIDLAND [31.99, -102.12], 3.4 WNW MIDLAND [32.02, -102.13], 2.3 NNW MIDLAND [32.03, -102.09]

06/26/17 04:00 CST	10K	Flash Flood (due to Heavy Rain)
06/26/17 06:00 CST	0	Source: Law Enforcement

Heavy rain fell across Midland County and produced flash flooding in the City of Midland. There were multiple high water rescues reported in the City of Midland during the early morning hours. The cost of damage is a very rough estimate.

An upper level disturbance moved over the area and contributed to storms developing during the afternoon hours of the previous day with good instability. An intense area of low level winds, known as a low-level jet, developed over the area later in the day/that night and allowed moisture to increase. This low-level jet allowed storms to continue into the overnight and early morning hours. These conditions resulted in storms with flash flooding across the Permian Basin during the early morning hours of the 26th.