

Storm Data and Unusual Weather Phenomena - July 2016

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

HOWARD COUNTY --- 1.0 SSE LOMAX [32.11, -101.62]

	07/05/16 17:05 CST		0	Thunderstorm Wind (MG 70 kt)
	07/05/16 17:05 CST		0	Source: Mesonet

A thunderstorm moved across Howard County and produced an 80 mph wind gust.

MARTIN COUNTY --- STANTON [32.13, -101.80]

	07/05/16 17:32 CST		7K	Thunderstorm Wind (EG 61 kt)
	07/05/16 17:33 CST		0	Source: Trained Spotter

A thunderstorm moved across Martin County and produced wind damage in Stanton . There was a roof partially blown off of a home in Stanton . A large tree was also blown down. The time of damage was estimated from radar. The cost of damage is a very rough estimate.

MIDLAND COUNTY --- GREENWOOD [32.00, -101.92]

	07/05/16 17:45 CST		0	Thunderstorm Wind (EG 56 kt)
	07/05/16 18:10 CST		0	Source: NWS Employee

A thunderstorm moved across Midland County and produced 60 to 70 mph winds in Greenwood. These winds lasted around 20 to 30 minutes.

ANDREWS COUNTY --- 16.0 NE ANDREWS [32.48, -102.36]

	07/05/16 19:15 CST		0.10M	Thunderstorm Wind (EG 78 kt)
	07/05/16 19:16 CST		0	Source: Public

A thunderstorm moved across Andrews County and produced straight line wind damage in the northeastern part of the county . A farmer reported damage to his barns and equipment. One shed was ripped completely up and strung out for a quarter mile or so to the northeast. This shed had no side walls, just a roof. Tractors and sprayers were damaged. A metal building 25 yards east of this shed had part of the roof blown off as well as a metal overhang . One of the metal "I" beam posts that were cemented into the ground was ripped out and blown into the side of this same building. A much larger metal building located 50 yards south of these buildings was also damaged. A section of south facing wall was blown in and portions of the roof and cross members were blown off. The time of damage is an estimate and the cost of damage is a very rough estimate.

MARTIN COUNTY --- 2.0 WNW TARZAN [32.31, -102.00]

	07/05/16 19:54 CST		0	Thunderstorm Wind (MG 52 kt)
	07/05/16 19:54 CST		0	Source: Mesonet

A thunderstorm moved across Martin County and produced a 60 mph wind gust near Tarzan.

A subtropical ridge was over the southern part of the country. There was good mid to upper level moisture over the area and very intense surface heating. These conditions combined with left over boundaries from previous thunderstorms to produce more thunderstorms. The air below the clouds was very dry so damaging, high winds occurred with some of these storms.

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A roof was partially blown off of a house in Stanton due to thunderstorm winds. Photo courtesy of Sterling Allen.

ECTOR COUNTY --- ODESSA [31.85, -102.37]

07/06/16 19:22 CST	0	Thunderstorm Wind (MG 60 kt)
07/06/16 19:22 CST	0	Source: ASOS

A thunderstorm moved across Ector County and produced a 69 mph wind gust at the Odessa Schlemeyer Field Airport.

ECTOR COUNTY --- ODESSA [31.85, -102.37]

07/06/16 19:24 CST	15K	Thunderstorm Wind (EG 61 kt)
07/06/16 19:25 CST	0	Source: Broadcast Media

A thunderstorm moved across Ector County and produced wind damage in Odessa. Numerous power poles were blown down along Yukon Road near Ratliff Stadium. There was also a tree blown down at 50th and Keeler Avenue in Odessa. The time of damage was estimated from radar. The cost of damage is a very rough estimate.

MIDLAND COUNTY --- (MAF) MIDLAND INTL [31.93, -102.20]

07/06/16 19:30 CST	0	Thunderstorm Wind (MG 56 kt)
07/06/16 19:30 CST	0	Source: ASOS

A thunderstorm moved across Midland County and produced a 65 mph wind gust at Midland International Air and Space Port.

There was an upper level high pressure over the region. Intense heating combined with mid-level moisture allowed for thunderstorms to develop. The air beneath the storm clouds was dry, so damaging winds accompanied the storms.

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[REDACTED]				
<i>A thunderstorm produced wind damage in Odessa. A tree was blown down at 50th and Keeler Avenue in Odessa. Photo is courtesy of Ivan Danielle Hernandez.</i>				
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PECOS COUNTY --- FT STOCKTON [30.88, -102.87]	07/07/16 16:42 CST	0		Thunderstorm Wind (MG 62 kt)
	07/07/16 16:42 CST	0		Source: ASOS
A thunderstorm moved across Pecos County and produced a 71 mph wind gust at the Fort Stockton ASOS site.				
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PECOS COUNTY --- 1.0 SW FT STOCKTON [30.87, -102.88]	07/07/16 16:52 CST	0		Hail (1.00 in)
	07/07/16 16:57 CST	0		Source: Public
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PECOS COUNTY --- FT STOCKTON [30.88, -102.87]	07/07/16 17:00 CST	0		Hail (1.75 in)
	07/07/16 17:05 CST	0		Source: Public
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MIDLAND COUNTY --- 7.6 SE MIDLAND [31.91, -102.00]	07/07/16 19:32 CST	0		Hail (1.75 in)
	07/07/16 19:37 CST	0		Source: Social Media
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ECTOR COUNTY --- 5.0 ENE ODESSA [31.88, -102.29]	07/07/16 19:55 CST	0		Thunderstorm Wind (EG 52 kt)
	07/07/16 19:55 CST	0		Source: NWS Employee
A thunderstorm moved across Ector County and produced a 60 mph wind gust near Odessa.				
An upper level high pressure was over the region. Very intense heating combined with mid-level moisture during the afternoon and early evening hours. There were upslope winds along a surface trough across the Davis Mountains and Lower Trans Pecos. These conditions resulted in thunderstorms with large hail developing across the Lower Trans Pecos and Permian Basin. A dry sub-cloud layer allowed for damaging winds to also develop with the storms.				
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BREWSTER COUNTY --- 7.0 WNW ALPINE [30.41, -103.78]	07/08/16 14:30 CST	0		Heavy Rain
	07/08/16 15:10 CST	0		Source: COOP Observer
Heavy rain fell for 40 minutes near Alpine and resulted in about 0.70 inches of accumulation.				
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MARTIN COUNTY --- 2.0 WNW TARZAN [32.31, -102.00]	07/08/16 18:01 CST	0		Thunderstorm Wind (MG 50 kt)
	07/08/16 18:01 CST	0		Source: Mesonet
A thunderstorm moved across Martin County and produced a 58 mph wind gust near Tarzan.				
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MIDLAND COUNTY --- 1.0 S MIDLAND [31.99, -102.08]	07/08/16 18:50 CST	0		Hail (1.75 in)
	07/08/16 18:55 CST	0		Source: Trained Spotter
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MIDLAND COUNTY --- 1.0 E MIDLAND [32.00, -102.06]	07/08/16 18:55 CST	0		Hail (1.00 in)
	07/08/16 19:00 CST	0		Source: Trained Spotter
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MIDLAND COUNTY --- 1.7 WSW MIDLAND [31.99, -102.11]	07/08/16 19:00 CST	0.10M		Thunderstorm Wind (EG 78 kt)
	07/08/16 19:01 CST	0		Source: Public

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A thunderstorm moved across Midland County and produced a microburst in the City of Midland . The American Red Cross Permian Basin performed a preliminary damage assessment. In addition to damage to a number of businesses along Wall Street ; the American Red Cross found 28 homes that had damage from the microburst. The wind speed is an estimate and the cost of damage is a very rough estimate.				

MIDLAND COUNTY --- 0.9 WSW MIDLAND [31.99, -102.09]

07/08/16 19:02 CST	6K	Thunderstorm Wind (EG 65 kt)
07/08/16 19:03 CST	0	Source: Social Media

A thunderstorm moved across Midland County and produced wind damage in the City of Midland . There were power lines and poles down on Wall Street in Midland. The wind speed is an estimate and the cost of damage is a very rough estimate.

An upper ridge was over the southern part of the country, and an upper level disturbance moved over southeast New Mexico and West Texas. This disturbance combined with low and mid-level moisture as well as a surface trough to produce thunderstorms across West Texas. The atmosphere was very unstable and the air was dry below the cloud layer so these storms produced large hail and damaging winds.



A microburst developed from a thunderstorm that moved across Midland. The microburst caused damage to many homes and businesses in Midland. Photo is courtesy of Amber Hluchan.

MARTIN COUNTY --- 2.0 WNW TARZAN [32.31, -102.00]

07/14/16 18:37 CST	0	Thunderstorm Wind (MG 53 kt)
07/14/16 18:37 CST	0	Source: Mesonet

A thunderstorm moved across Martin County and produced a 61 mph wind gust near Tarzan.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ANDREWS COUNTY --- 2.0 E ANDREWS [32.32, -102.52]				
	07/14/16 19:05 CST		0	Thunderstorm Wind (MG 50 kt)
	07/14/16 19:05 CST		0	Source: Mesonet

A thunderstorm moved across Andrews County and produced a 58 mph wind gust near the City of Andrews.

There was a broad upper level ridge over the region centered over the U.S./Mexico border. Intense surface heating and good moisture contributed to storms with strong winds developing across West Texas.

TERRELL COUNTY --- DRYDEN [30.05, -102.12]				
	07/26/16 16:44 CST		0	Thunderstorm Wind (MG 50 kt)
	07/26/16 16:44 CST		0	Source: ASOS

A thunderstorm moved across Terrell County and produced a 58 mph wind gust at Dryden.

MARTIN COUNTY --- 2.0 WNW TARZAN [32.31, -102.00]				
	07/26/16 18:05 CST		0	Thunderstorm Wind (MG 52 kt)
	07/26/16 18:05 CST		0	Source: Mesonet

A thunderstorm moved across Martin County and produced a 60 mph wind gust near Tarzan.

There was a subtropical ridge centered both over the Great Basin and the southeast U.S. coast. Intense surface heating was present across West Texas under a weak upper high pressure system. Outflow boundaries from storms the night before were present across the area and helped to serve as a focus for thunderstorms. The storms that developed produced strong wind gusts.