

Storm Data and Unusual Weather Phenomena - June 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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NEW MEXICO, Southeast

EDDY COUNTY --- 9.3 SW ATOKA [32.68, -104.52]

	06/13/15 14:48 MST	0	Thunderstorm Wind (EG 52 kt)
	06/13/15 14:48 MST	0	Source: Storm Chaser

A thunderstorm that moved across western Eddy County produced an estimated wind gust of 60 mph that was reported by a storm chaser.

EDDY COUNTY --- ARTESIA [32.83, -104.40]

	06/13/15 15:15 MST	0	Thunderstorm Wind (MG 53 kt)
	06/13/15 15:15 MST	0	Source: ASOS

A thunderstorm that moved across northern Eddy County produced a thunderstorm wind gust measured by an ASOS of 61 mph.

LEA COUNTY --- 14.0 SE CAPROCK [33.24, -103.55]

	06/13/15 15:37 MST	0	Hail (1.75 in)
	06/13/15 15:47 MST	0	Source: Storm Chaser

EDDY COUNTY --- 3.0 WNW CARLSBAD [32.44, -104.28]

	06/13/15 15:48 MST	6.20K	Thunderstorm Wind (EG 52 kt)
	06/13/15 15:48 MST	0	Source: Trained Spotter

Thunderstorm moved across Eddy County and produced an estimated wind gust of 60 mph and knocked down 3 power poles and a road sign along US 285 3 miles northwest of Carlsbad.

An upper level disturbance slowly progressed east across the southwest US and it provided upper level support for thunderstorms to develop. Good moisture was present east of a dryline that was backed up to the Guadalupe Mountains. Some locations had low to mid 60 dewpoints. High instability and strong shear allowed for thunderstorms to become organized and produce large hail and damaging winds across southeast New Mexico.

EDDY COUNTY --- 3.0 W LAKEWOOD [32.63, -104.42]

	06/14/15 14:52 MST	0	Thunderstorm Wind (EG 52 kt)
	06/14/15 14:52 MST	0	Source: Trained Spotter

A thunderstorm moved across Eddy County and produced a 60 mph wind gust two miles north of Seven Rivers.

A weak low pressure system slowly drifted east into the Great Plains with a trailing upper level disturbance rotating around the backside of the upper low. As the disturbance moved over the region with high moisture in place, it brought thunderstorms with high winds to southeast New Mexico.

EDDY COUNTY --- CARLSBAD [32.42, -104.23]

	06/29/15 17:28 MST	0	Hail (1.00 in)
	06/29/15 17:33 MST	0	Source: Trained Spotter

EDDY COUNTY --- CARLSBAD [32.42, -104.23]

	06/29/15 17:30 MST	0.50K	Thunderstorm Wind (EG 52 kt)
	06/29/15 17:31 MST	0	Source: Public

A thunderstorm moved across Eddy County and produced damaging winds in Carlsbad. A restaurant sign was leaning on a power pole in downtown Carlsbad as a result of the winds. The cost of damage is a very rough estimate.

EDDY COUNTY --- 4.0 S CARLSBAD [32.36, -104.23]

	06/29/15 17:35 MST	0	Thunderstorm Wind (MG 53 kt)
	06/29/15 17:35 MST	0	Source: ASOS

A thunderstorm moved across Eddy County and produced a 61 mph wind gust near Carlsbad as recorded by the Carlsbad ASOS station.

An upper level ridge was over the Great Basin and an upper trough was over the Midwest. There were upslope winds into the higher terrain of southeast New Mexico and West Texas during the afternoon and residual low level boundaries across the area which helped with low level lift and convergence. There was a jet over the region and an upper level disturbance over the Texas panhandle which helped to increase upper lift. These conditions, combined with decent moisture across the area, allowed for thunderstorms with strong winds and hail to develop.

Storm Data and Unusual Weather Phenomena - June 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, West				
PECOS COUNTY --- 18.0 ENE FT STOCKTON [30.98, -102.59]				
	06/12/15 15:23 CST	0		Hail (2.50 in)
	06/12/15 15:30 CST	0		Source: Law Enforcement
ECTOR COUNTY --- GOLDSMITH [31.98, -102.62]				
	06/12/15 16:45 CST	0		Hail (1.25 in)
	06/12/15 16:55 CST	0		Source: Social Media
MIDLAND COUNTY --- WARFIELD [31.92, -102.23]				
	06/12/15 16:45 CST	0		Hail (1.25 in)
	06/12/15 16:55 CST	0		Source: Social Media
ECTOR COUNTY --- 6.0 NE ODESSA [31.91, -102.30]				
	06/12/15 16:47 CST	0	30K	Hail (2.75 in)
	06/12/15 16:53 CST	0		Source: NWS Employee
A thunderstorm moved across Ector County and produced large hail in and near Odessa . There was hail damage to vehicles with windows broken near the intersection of Loop 338 and Business 20 in Odessa. There was also hail damage to residences in south Odessa with windows broken. The cost of damage is a very rough estimate.				
ECTOR COUNTY --- 3.0 NW ODESSA [31.88, -102.41]				
	06/12/15 16:55 CST	0		Hail (1.75 in)
	06/12/15 17:00 CST	0		Source: Public
MIDLAND COUNTY --- 3.0 SSE WARFIELD [31.88, -102.21]				
	06/12/15 16:55 CST	0		Hail (2.50 in)
	06/12/15 17:03 CST	0		Source: Social Media
ECTOR COUNTY --- ODESSA [31.85, -102.37], 1.5 SSE ODESSA [31.83, -102.36], 4.9 E ODESSA [31.86, -102.29], 3.6 ESE ODESSA ECTOR CO ARPT [31.90, -102.33]				
	06/12/15 17:00 CST	0		Flash Flood (due to Heavy Rain)
	06/12/15 17:45 CST	0		Source: NWS Employee
Heavy rain fell across Ector County and produced flash flooding in Odessa. Streets were covered with water and there was water over the curbs and into yards from one inch of rain that fell within 30 minutes. No damage was reported.				
GAINES COUNTY --- 15.0 E SEMINOLE [32.72, -102.39]				
	06/12/15 17:05 CST	0		Hail (1.50 in)
	06/12/15 17:10 CST	0		Source: Trained Spotter
ECTOR COUNTY --- ODESSA [31.85, -102.37]				
	06/12/15 17:17 CST	0		Hail (1.75 in)
	06/12/15 17:22 CST	0		Source: Trained Spotter
GAINES COUNTY --- 1.0 W LOOP [32.92, -102.44], 0.5 WNW LOOP [32.92, -102.43]				
	06/12/15 17:34 CST	0		Tornado (EF0, L: 0.52 mi , W: 100 yd)
	06/12/15 17:36 CST	0		Source: Trained Spotter
A thunderstorm moved across Gaines County and produced a tornado about one mile west of Loop . The tornado was seen by a trained spotter and reported to be brief. There was no damage reported with this tornado so it was rated as an EF-0. Both the path length and width were estimated.				
MARTIN COUNTY --- 3.0 W TARZAN [32.30, -102.02]				
	06/12/15 17:58 CST	0		Hail (2.50 in)
	06/12/15 18:03 CST	0		Source: Public

Storm Data and Unusual Weather Phenomena - June 2015

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GAINES COUNTY --- 4.0 SE LOOP [32.88, -102.37]				
	06/12/15 18:16 CST		3K	Hail (2.50 in)
	06/12/15 18:21 CST		7K	Source: Public
A thunderstorm moved across Gaines County and produced tennis ball sized hail about four miles southeast of Loop . Windows were reported to be broken and crops damaged. The cost of damage is a very rough estimate.				
Upper level troughs moving slowly over the Rocky Mountains combined with a surface trough across extreme West Texas and eastern New Mexico. Intense heating with plentiful low level moisture lead to strong instability across the area. This instability combined with strong shear allowed thunderstorms to develop and to produce large hail, flash flooding, and a tornado across the Permian Basin and the Trans Pecos.				
JEFF DAVIS COUNTY --- 13.0 WSW FT DAVIS [30.51, -104.08]				
	06/13/15 14:35 CST		0	Hail (0.75 in)
	06/13/15 14:40 CST		0	Source: Amateur Radio
JEFF DAVIS COUNTY --- 13.0 WSW FT DAVIS [30.51, -104.08]				
	06/13/15 15:03 CST		0	Hail (1.25 in)
	06/13/15 15:13 CST		0	Source: Trained Spotter
REEVES COUNTY --- 8.0 W PECOS [31.42, -103.62]				
	06/13/15 15:40 CST		0	Hail (1.75 in)
	06/13/15 15:50 CST		0	Source: COOP Observer
BREWSTER COUNTY --- ALPINE [30.37, -103.67]				
	06/13/15 16:47 CST		0	Hail (1.25 in)
	06/13/15 16:52 CST		0	Source: Trained Spotter
GAINES COUNTY --- 1.0 SW SEAGRAVES [32.92, -102.56]				
	06/13/15 18:50 CST		8K	Thunderstorm Wind (MG 64 kt)
	06/13/15 18:51 CST		0	Source: Emergency Manager
A thunderstorm that moved across Gaines County knocked down power lines and trees throughout the city of Seagraves . Additional power lines were down 3 miles south of Seagraves on FM 1429.				
GAINES COUNTY --- 1.0 SW SEAGRAVES [32.92, -102.56]				
	06/13/15 18:50 CST		0	Thunderstorm Wind (MG 64 kt)
	06/13/15 18:52 CST		0	Source: Mesonet
A thunderstorm moved across Gaines County and produced a wind gust of 74 mph measured at mesonet 1 SW of Seagraves.				
GAINES COUNTY --- 0.9 WSW SEMINOLE [32.72, -102.66], 0.4 SE SEMINOLE [32.72, -102.65], 1.5 N SEMINOLE [32.74, -102.65], 2.6 WNW SEMINOLE [32.74, -102.69]				
	06/13/15 19:22 CST		0.75K	Flash Flood (due to Heavy Rain)
	06/13/15 21:00 CST		0	Source: Law Enforcement
Heavy rain from a line of thunderstorms produced heavy rainfall in Seminole and flooded Hwy 214 just north of Seminole leaving some patrons under a foot of water.				
GAINES COUNTY --- 5.0 SW SEAGRAVES [32.89, -102.62], 7.1 SW SEAGRAVES [32.85, -102.63], 7.8 SW SEAGRAVES [32.86, -102.65], 5.9 WSW SEAGRAVES [32.89, -102.64]				
	06/13/15 20:00 CST		5K	Flash Flood (due to Heavy Rain)
	06/13/15 21:00 CST		0	Source: Emergency Manager
Heavy rain fell across Gaines County and produced flash flooding on Highway 385 between Seminole and Seagraves. The flooding was reported on Highway 385 between County Roads 103 and 124. Other reports were received that indicate numerous county roads northwest of Seminole were flooded and impassable. Seminole and Seagraves fire departments were pulling cars out of ditches. The cost of damage is a very rough estimate.				
SCURRY COUNTY --- 3.0 E SNYDER [32.72, -100.85]				
	06/13/15 21:15 CST		0	Thunderstorm Wind (MG 63 kt)
	06/13/15 21:15 CST		0	Source: Mesonet

Storm Data and Unusual Weather Phenomena - June 2015

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A thunderstorm moved across Scurry County and produced a wind gust of 72 mph at a mesonet site 3 miles east of Snyder.

MITCHELL COUNTY --- 2.0 N COLORADO CITY [32.43, -100.85]

	06/13/15 21:34 CST		0	Hail (1.00 in)
	06/13/15 21:44 CST		0	Source: Law Enforcement

An upper level disturbance slowly progressed east across the southwest US and it provided upper level support for thunderstorm activity. Good moisture was present east of a dryline that was backed up to the mountains of West Texas. Some locations had low to mid 60 dewpoints. High instability and strong shear allowed for thunderstorms to become organized and produce large hail and damaging winds across the Trans Pecos and Permian Basin. The high moisture over the area also lead to some flash flooding.

GAINES COUNTY --- 3.0 SW SEAGRAVES [32.90, -102.59], 3.8 WSW SEAGRAVES [32.91, -102.61], 2.1 WNW SEAGRAVES [32.94, -102.58], 0.5 SW SEAGRAVES [32.92, -102.56]

	06/14/15 19:42 CST		0.20K	Flash Flood (due to Heavy Rain)
	06/14/15 21:42 CST		0	Source: Trained Spotter

Spotter reported water 12-18 inches deep over four lanes on Highway 385 southwest of Seagraves.

GAINES COUNTY --- SEAGRAVES [32.93, -102.55], 1.6 WNW SEAGRAVES [32.94, -102.58], 2.2 NW SEAGRAVES [32.95, -102.57], 0.9 WSW SEAGRAVES ARPT [32.95, -102.54]

	06/14/15 19:59 CST		0.20K	Flash Flood (due to Heavy Rain)
	06/14/15 21:30 CST		0	Source: Trained Spotter

Trained Spotter reported closed roads due to flooding in the City of Seagraves.

REAGAN COUNTY --- BIG LAKE [31.20, -101.47], 1.0 SSW BIG LAKE [31.19, -101.47], 1.9 ESE BIG LAKE [31.19, -101.44], 1.6 ENE BIG LAKE [31.21, -101.44]

	06/15/15 02:43 CST		0.20K	Flash Flood (due to Heavy Rain)
	06/15/15 04:43 CST		0	Source: Law Enforcement

A line of thunderstorms moved across Reagan County and produced significant flooding in the city of Big Lake . The cost of damage is a very rough estimate.

A weak low pressure system slowly drifted east into the Great Plains with a trailing upper level disturbance rotating around the backside of the upper low. As the disturbance moved over the region, it brought thunderstorms to West Texas. Instability and shear were weak, but the high moisture content across the area caused flash flooding to develop as a line of storms moved across the Permian Basin.

SCURRY COUNTY --- 1.3 NW FULLERVILLE [32.93, -101.09], 1.1 N FULLERVILLE [32.94, -101.07], 2.2 N FULLERVILLE [32.95, -101.07], 2.4 NW FULLERVILLE [32.95, -101.09]

	06/15/15 20:30 CST		0.20K	Flash Flood (due to Heavy Rain)
	06/15/15 21:30 CST		0	Source: Fire Department/Rescue

A thunderstorm produced 6-12 inches of water over portions of Highway 84 in northwestern Scurry County about 2 miles southeast of the Scurry and Garza County line.

SCURRY COUNTY --- 6.3 NNW FLUVANNA [32.97, -101.17], 2.6 NNW FULLERVILLE [32.95, -101.09], 2.8 NW DERMOTT [32.87, -101.06], 2.2 WSW FLUVANNA [32.86, -101.18]

	06/15/15 22:00 CST		0.50K	Flash Flood (due to Heavy Rain)
	06/16/15 00:30 CST		0	Source: Fire Department/Rescue

A thunderstorm that produced heavy rainfall caused FM 1269 from Fluvanna to the Garza County line and FM 612 from Fluvanna to 5 miles east of Fluvanna to be impassable due to high water.

A weak low pressure system slowly drifted east into the Great Plains with a trailing upper level disturbance rotating around the backside of the upper low. As the disturbance moved over the region, it brought thunderstorms to West Texas. Instability and shear were weak, but the high moisture content across the area caused flash flooding to develop as a line of storms moved across the Permian Basin.

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

	06/29/15 20:38 CST		0	Thunderstorm Wind (MG 60 kt)
	06/29/15 20:38 CST		0	Source: ASOS

A thunderstorm moved across Culberson County and produced a 69 mph wind gust at the Pine Springs ASOS site.

Storm Data and Unusual Weather Phenomena - June 2015

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An upper level ridge was over the Great Basin and an upper trough was over the Midwest. There were upslope winds into the higher terrain of southeast New Mexico and West Texas during the afternoon and residual low level boundaries across the area which helped with low level lift and convergence. There was a jet over the region and an upper level disturbance over the Texas panhandle which helped to increase upper lift. These conditions, combined with decent moisture across the area, allowed for thunderstorms with strong winds to develop.

ECTOR COUNTY --- ODESSA ECTOR CO ARPT [31.92, -102.38]

06/30/15 03:25 CST		5K	Thunderstorm Wind (MG 65 kt)
06/30/15 03:26 CST		0	Source: ASOS

A complex of thunderstorms moved across Ector County and produced a wind gust of 65 kts measured at the ASOS site in Odessa. The strong winds from the storms resulted in wind damage in Odessa. A damage survey was conducted and there were several businesses that had broken windows, and the Ector County Courthouse had numerous ceiling tiles that were displaced. The cost of damage is a very rough estimate.

MIDLAND COUNTY --- 1.1 NNW (MAF) MIDLAND INTL [31.95, -102.21]

06/30/15 03:30 CST		0	Heavy Rain
06/30/15 04:51 CST		0	Source: ASOS

Heavy rain of 1.94 inches was measured at Midland Air and Space Port as a complex of thunderstorms moved across Midland County. Most of the rain fell between 4:30 am to 5:00 am CDT.

MIDLAND COUNTY --- 3.0 WNW MIDLAND [32.02, -102.13], 1.9 N MIDLAND [32.03, -102.08], 2.4 N MIDLAND [32.03, -102.08], 3.3 WNW MIDLAND [32.02, -102.13]

06/30/15 04:20 CST		3K	Flash Flood (due to Heavy Rain)
06/30/15 06:20 CST		0	Source: Law Enforcement

Thunderstorms moved through Midland producing heavy rainfall and causing flooding in Midland along Wadley Avenue. A couple submerged vehicles were reported by law enforcement. Damage costs are a rough estimate.

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

06/30/15 04:30 CST		0	Heavy Rain
06/30/15 05:30 CST		0	Source: Public

A complex of thunderstorms moved across Midland County and produced 2.60 inches of rain in Greenwood.

ECTOR COUNTY --- 1.7 NNE ODESSA [31.87, -102.36]

06/30/15 04:35 CST		2K	Thunderstorm Wind (EG 65 kt)
06/30/15 04:36 CST		0	Source: Broadcast Media

Thunderstorm wind gust estimated at 65 kts caused downed power lines and power outages at University and Eastover Drive in Odessa. The cost of damage is a very rough estimate.

ECTOR COUNTY --- 2.0 NNW ODESSA [31.88, -102.38], 2.1 N ODESSA [31.88, -102.36], 2.1 SSE ODESSA ECTOR CO ARPT [31.89, -102.37], 1.7 NNE GREENFIELD ACRES [31.89, -102.39]

06/30/15 04:35 CST		1K	Flash Flood (due to Heavy Rain)
06/30/15 06:30 CST		0	Source: Broadcast Media

Heavy rain from a complex of thunderstorms caused flooding in Odessa and lead to a water rescue on 42nd Street and Dixie. Damage cost is a rough estimate.

MIDLAND COUNTY --- 3.5 WSW MIDLAND [31.97, -102.13], 3.7 SW MIDLAND [31.97, -102.13], 2.5 SW MIDLAND [31.97, -102.11], 3.0 WSW MIDLAND [31.98, -102.12]

06/30/15 04:45 CST		1K	Flash Flood (due to Heavy Rain)
06/30/15 06:30 CST		0	Source: Broadcast Media

Heavy rain from a complex of thunderstorms caused flash flooding and lead to a water rescue on South Midland Drive and Comanche Drive. The cost of damage is a very rough estimate.

ECTOR COUNTY --- 1.1 N ODESSA [31.87, -102.37], 0.8 NNE ODESSA [31.86, -102.37], 0.8 NNW ODESSA [31.86, -102.37], 1.3 NNW ODESSA [31.87, -102.38]

06/30/15 04:47 CST		1K	Flash Flood (due to Heavy Rain)
06/30/15 06:30 CST		0	Source: Broadcast Media

Storm Data and Unusual Weather Phenomena - June 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Heavy rain from a thunderstorm caused flash flooding and resulted in a water rescue at 21st Street and Muskingham in Odessa. Damage cost is a rough estimate.				

ECTOR COUNTY --- 1.0 NNW ODESSA [31.86, -102.38], 1.2 E GREENFIELD ACRES [31.87, -102.38], 1.4 N ODESSA [31.87, -102.37], 1.1 N ODESSA [31.86, -102.37]

	06/30/15 04:49 CST		1.50K	Flash Flood (due to Heavy Rain)
	06/30/15 06:30 CST		0	Source: Broadcast Media

A complex of thunderstorms produced heavy rainfall which resulted in flash flooding in Odessa . A vehicle was submerged at 23rd Street and Hancock in Odessa. The damage cost is a very rough estimate.

ECTOR COUNTY --- 0.9 NNW ODESSA [31.86, -102.38], 1.2 E GREENFIELD ACRES [31.87, -102.38], 1.4 N ODESSA [31.87, -102.37], 1.0 N ODESSA [31.86, -102.37]

	06/30/15 04:51 CST		1K	Flash Flood (due to Heavy Rain)
	06/30/15 06:30 CST		0	Source: Broadcast Media

Heavy rain from a complex of thunderstorms produced flash flooding and lead to a water rescue at 21 st Street and Tom Green in Odessa. Report was sent in by the broadcast media and the damage cost is a very rough estimate.

ECTOR COUNTY --- ODESSA ECTOR CO ARPT [31.92, -102.38]

	06/30/15 04:51 CST		0	Heavy Rain
	06/30/15 05:31 CST		0	Source: ASOS

A complex of thunderstorms moved across Ector County and 1.90 inches of rainfall was recorded by the Odessa ASOS site.

MIDLAND COUNTY --- 0.8 ENE WARFIELD [31.92, -102.22], 0.8 E WARFIELD [31.92, -102.22], 0.6 E WARFIELD [31.92, -102.22], 0.6 ENE WARFIELD [31.92, -102.22]

	06/30/15 05:00 CST		5K	Flash Flood (due to Heavy Rain)
	06/30/15 06:30 CST		0	Source: NWS Employee

A complex of thunderstorms moved across Midland County and produced heavy rain that resulted in flash flooding in and around the City of Midland . Several feet of water were reported at the intersection of 1788 and Business 20 which resulted in four vehicles being stranded some of which the water was up to the auto windows. The cost of damage is a very rough estimate.

MIDLAND COUNTY --- 2.8 ENE (MAF) MIDLAND INTL [31.95, -102.16], 2.8 ENE (MAF) MIDLAND INTL [31.95, -102.16], 2.5 ENE (MAF) MIDLAND INTL [31.95, -102.16], 2.5 ENE (MAF) MIDLAND INTL [31.95, -102.16]

	06/30/15 05:00 CST		0.50K	Flash Flood (due to Heavy Rain)
	06/30/15 06:30 CST		0	Source: NWS Employee

A complex of storms moved across Midland County and produced flash flooding in and around the City of Midland . One foot of water was reported to be running over the service road on Business 20 just outside of Midland. The cost of damage is a very rough estimate.

MIDLAND COUNTY --- 3.8 SW MIDLAND [31.96, -102.12], 2.7 E (MAF) MIDLAND INTL [31.93, -102.15], 3.3 NE (MAF) MIDLAND INTL [31.96, -102.16], 3.2 WSW MIDLAND [31.98, -102.13]

	06/30/15 05:30 CST		5K	Flash Flood (due to Heavy Rain)
	06/30/15 06:30 CST		0	Source: NWS Employee

NWS Employee reported four vehicles stalled in high water on the service road at Loop 250 and Business 20 from heavy rainfall that resulted in flash flooding in Midland. The cost of damage is a very rough estimate.

A complex of thunderstorms known as a Mesoscale Convective System (MCS) moved through the Western Low Rolling Plains and into the Permian Basin during the early morning hours. The complex of thunderstorms was aided by an upper level trough over the Mississippi Valley which provided upper level divergence and lift over the area. A southerly low level jet was also present helping to maintain the storms. Since copious amount of moisture were available, rainfall rates were high with this system. These conditions resulted in storms that produced flash flooding and severe wind gusts.