

Storm Data and Unusual Weather Phenomena - August 2015

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

LEA COUNTY --- 2.2 N HOBBS [32.73, -103.13], 1.6 NNE HOBBS [32.72, -103.12], 1.1 N HOBBS [32.72, -103.13], 2.0 NNW HOBBS [32.73, -103.14]				
	08/01/15 21:55 MST		3K	Flash Flood (due to Heavy Rain)
	08/01/15 23:40 MST		0	Source: Law Enforcement

Heavy rain moved across Lea County and produced flash flooding in Hobbs. Local law enforcement reported that Highway 18 was flooded and smaller streets throughout Hobbs were flooded. At least two cars were reported to be stranded. The cost of damage is a very rough estimate.

There was an upper level ridge centered over the Four Corners region. A surface boundary was present across the Permian Basin. The atmosphere was moist and unstable which allowed for storms with flash flooding to develop.

LEA COUNTY --- 2.0 SW TATUM [33.23, -103.34]				
	08/21/15 17:35 MST		0	Thunderstorm Wind (MG 53 kt)
	08/21/15 17:35 MST		0	Source: Mesonet

A storm moved across Lea County and produced a 61 mph wind gust near Tatum as recorded by the local mesonet station.

LEA COUNTY --- 6.3 NNW KNOWLES [32.91, -103.13]				
	08/21/15 19:15 MST		50K	Thunderstorm Wind (EG 61 kt)
	08/21/15 19:16 MST		0	Source: Trained Spotter

A storm moved across Lea County and produced wind damage near Knowles. A trained spotter reported several power poles blown down just west of NM 132 and NM 133. The cost of damage is a very rough estimate.

EDDY COUNTY --- 9.2 ENE DAYTON [32.80, -104.20]				
	08/21/15 20:05 MST		0	Hail (1.00 in)
	08/21/15 20:15 MST		0	Source: Trained Spotter

There was a surface trough in southeast New Mexico with plentiful surface heating. This contributed to instability and allowed storms with strong winds and large hail to develop.

TEXAS, West

PECOS COUNTY --- 8.9 NNW COYANOSA [31.29, -103.06]				
	08/08/15 17:22 CST		0	Thunderstorm Wind (MG 50 kt)
	08/08/15 17:22 CST		0	Source: Mesonet

A storm moved across Pecos County and produced a 58 mph wind gust as recorded by the local mesonet station.

An upper ridge was centered over East Texas and covers most of the southern U.S. The airmass was unstable with very hot temperatures across the area; however, there was dry air near the surface. These conditions resulted in storms developing across West Texas.

ECTOR COUNTY --- 7.0 NNW ODESSA [31.94, -102.42]				
	08/14/15 19:35 CST		20K	Thunderstorm Wind (EG 70 kt)
	08/14/15 19:36 CST		0	Source: Department of Highways

A storm moved across Ector County and produced wind damage north of Odessa. A portion of a motel roof was blown off and blocking southbound lanes of Andrews Highway. The cost of damage is a very rough estimate.

MIDLAND COUNTY --- 3.0 N MIDLAND [32.04, -102.08]				
	08/14/15 19:35 CST		0	Thunderstorm Wind (MG 54 kt)
	08/14/15 19:35 CST		0	Source: AWOS

A storm moved across Midland County and produced a 62 mph wind gust near Midland as recorded by the local AWOS.

ECTOR COUNTY --- 6.0 NW ODESSA [31.91, -102.44]				
	08/14/15 19:38 CST		25K	Thunderstorm Wind (EG 74 kt)
	08/14/15 19:39 CST		0	Source: Broadcast Media

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A storm moved across Ector County and produced wind damage northwest of Odessa . The back porch of a house was blown into the front yard of the house. Part of the roof was caved in on this same house. The cost of damage is a very rough estimate.				

An upper level ridge was centered over New Mexico, and an upper level disturbance that was rotating around this ridge was moving southward toward West Texas. Hot temperatures were present across the area providing an increase in instability. These conditions resulted in thunderstorms with strong winds developing across the Permian Basin.

CULBERSON COUNTY --- 54.0 N VAN HORN [31.83, -104.82]				
	08/16/15 14:22 CST		0	Thunderstorm Wind (MG 52 kt)
	08/16/15 14:22 CST		0	Source: ASOS

A storm moved across Culberson County and produced a 60 mph wind gust north of Van Horn as measured by the local ASOS site.

BREWSTER COUNTY --- 7.0 WNW ALPINE [30.41, -103.78]				
	08/16/15 15:15 CST		0	Heavy Rain
	08/16/15 15:45 CST		0	Source: COOP Observer

Heavy rain fell across Brewster County with a COOP observer near Alpine reporting 1.00 to 1.24 inches of rain in 30 minutes.

There was an upper ridge over the western U.S. There were upslope winds and instability across the higher terrain of West Texas. These conditions resulted in storms developing across this area.

PRESIDIO COUNTY --- 4.0 N PRESIDIO [29.61, -104.37]				
	08/20/15 22:55 CST		0	Thunderstorm Wind (MG 56 kt)
	08/20/15 22:55 CST		0	Source: AWOS

A storm moved across Presidio County and produced a 64 mph wind gust north of Presidio as recorded by the local AWOS site.

There was a broad upper trough over the Midwest and cooler temperatures across West Texas. Good moisture and instability were present across the higher terrain of West Texas and the Rio Grande Valley. These conditions resulted in thunderstorms developing across these locations in Texas.