

Storm Data and Unusual Weather Phenomena - April 2019

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

(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY

	04/03/19 12:00 MST	0	High Wind (MAX 52 kt)
	04/03/19 18:00 MST	0	

A quick moving upper trough brought strong winds to the Guadalupe and Delaware Mountains.

(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY, (NM-Z028) EDDY COUNTY PLAINS, (NM-Z029) NORTHERN LEA COUNTY, (NM-Z033) CENTRAL LEA COUNTY

	04/10/19 10:15 MST	0	High Wind (MAX 65 kt)
	04/10/19 19:00 MST	0	

A strong upper level storm system moved across the central Rockies into the western High Plains bringing strong winds to southeastern New Mexico and the Guadalupe and Davis Mountains.

(NM-Z027) GUADALUPE MOUNTAINS OF EDDY COUNTY

	04/17/19 16:00 MST	0	High Wind (MAX 52 kt)
	04/17/19 16:00 MST	0	

A passing upper trough resulted in strong winds across the Guadalupe and Delaware Mountains.

LEA COUNTY --- 1.2 SW JAL [32.11, -103.19]

	04/22/19 22:05 MST	0	Hail (1.00 in)
	04/22/19 22:10 MST	0	Source: Law Enforcement

LEA COUNTY --- 1.1 SW JAL [32.11, -103.19]

	04/22/19 22:09 MST	0	Hail (1.00 in)
	04/22/19 22:14 MST	0	Source: Law Enforcement

LEA COUNTY --- 0.7 WSW JAL [32.12, -103.19]

	04/22/19 22:15 MST	0	Hail (1.75 in)
	04/22/19 22:20 MST	0	Source: Public

An upper level low pressure was over Arizona and a cold front was across the northern Permian Basin and southeast New Mexico. This provided lift across the area, and there was good moisture and instability in place. These conditions resulted in hail across southeast New Mexico.

TEXAS, West

(TX-Z270) GUADALUPE MOUNTAINS ABOVE 7000 FEET, (TX-Z271) GUADALUPE AND DELAWARE MOUNTAINS

	04/03/19 11:50 CST	0	High Wind (MAX 56 kt)
	04/03/19 19:00 CST	0	

A quick moving upper trough brought strong winds to the Guadalupe and Delaware Mountains.

DAWSON COUNTY --- 6.0 NNE LAMESA [32.81, -101.91]

	04/05/19 19:25 CST	0	Hail (1.25 in)
	04/05/19 19:30 CST	0	Source: Storm Chaser

Time was estimated from the radar, and the report was from a tweet on Twitter.

GAINES COUNTY --- 9.0 S SEMINOLE [32.59, -102.65]

	04/05/19 20:40 CST	0	Hail (1.75 in)
	04/05/19 20:45 CST	0	Source: Law Enforcement

Reported by homeowner and relayed by county sheriff's office.

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ECTOR COUNTY --- 3.2 ENE GARDENDALE [32.02, -102.37]				
	04/05/19 20:59 CST		0	Hail (1.75 in)
	04/05/19 21:04 CST		0	Source: Public
Report was relayed by local media.				
<p>A strong short wave trough moved out over the southern high plains. Steep lapse rates and good CAPE were in place, but moisture lacked. Wind shear was enough though to support strong to severe thunderstorms across the Trans-Pecos and the Permian Basin. These conditions resulted in large hail and strong winds.</p>				
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(TX-Z045) GAINES, (TX-Z270) GUADALUPE MOUNTAINS ABOVE 7000 FEET, (TX-Z271) GUADALUPE AND DELAWARE MOUNTAINS, (TX-Z272) VAN HORN AND HIGHWAY 54 CORRIDOR, (TX-Z273) EASTERN CULBERSON COUNTY, (TX-Z274) REEVES COUNTY PLAINS, (TX-Z277) DAVIS MOUNTAINS				
	04/10/19 03:30 CST		0	High Wind (MAX 73 kt)
	04/11/19 09:00 CST		0	
<p>A strong upper level storm system moved across the central Rockies into the western High Plains bringing strong winds to southeastern New Mexico and the Guadalupe and Davis Mountains.</p>				
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PECOS COUNTY --- 1.4 WSW IRAAN [30.91, -101.90]				
	04/13/19 00:28 CST		0	Hail (1.75 in)
	04/13/19 00:33 CST		0	Source: Public
Time was estimated from the radar, and the report was relayed by local media via Twitter.				
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PECOS COUNTY --- 2.5 WSW IRAAN [30.91, -101.92]				
	04/13/19 00:33 CST		0	Hail (1.75 in)
	04/13/19 00:38 CST		0	Source: Public
Time was estimated from the radar, and the report was relayed by local media via Twitter.				
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REAGAN COUNTY --- 0.9 SE BIG LAKE [31.19, -101.46]				
	04/13/19 02:38 CST		0	Hail (2.00 in)
	04/13/19 02:43 CST		0	Source: Public
Time was estimated from the radar, and the report was relayed by local media via Twitter.				
<p>An upper level trough was digging south over Arizona and New Mexico. As it passed, warm southerly winds ushered in moisture and began developing storms across the Lower Trans Pecos and the southeast Permian Basin. A cold front also pushed through the area and provided lift for the strong to severe storms with large hail.</p>				
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(TX-Z270) GUADALUPE MOUNTAINS ABOVE 7000 FEET				
	04/17/19 10:00 CST		0	High Wind (MAX 58 kt)
	04/17/19 19:00 CST		0	
<p>A passing upper trough resulted in strong winds across the Guadalupe and Delaware Mountains.</p>				
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(TX-Z270) GUADALUPE MOUNTAINS ABOVE 7000 FEET, (TX-Z271) GUADALUPE AND DELAWARE MOUNTAINS				
	04/21/19 06:30 CST		0	High Wind (MAX 55 kt)
	04/21/19 15:00 CST		0	
<p>Stronger winds aloft ahead of an upper trough over the Great Basin mixed down to the surface resulting in high winds in the Guadalupe Mountains.</p>				
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GAINES COUNTY --- 1.2 ESE SEMINOLE [32.71, -102.63], 1.3 ESE SEMINOLE [32.71, -102.63], 2.1 ESE SEMINOLE [32.71, -102.62], 2.1 ESE SEMINOLE [32.71, -102.62]				
	04/22/19 18:58 CST		0	Flash Flood (due to Heavy Rain)
	04/22/19 20:00 CST		0	Source: Broadcast Media
<p>Heavy rain fell across Gaines County and produced flash flooding east of Seminole. There was water up to the door on vehicles east of Seminole along Highway 180. No damage was reported with this event.</p>				
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ANDREWS COUNTY --- ANDREWS [32.32, -102.55]				

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	04/23/19 00:42 CST		0	Hail (1.00 in)
	04/23/19 00:47 CST		0	Source: Public

An upper level low pressure was over Arizona and a cold front was across the northern Permian Basin and southeast New Mexico. This provided lift across the area, and there was good moisture and instability in place. These conditions resulted in hail and flash flooding.

HOWARD COUNTY --- 12.0 NW FAIRVIEW [32.47, -101.67]

04/23/19 16:46 CST	0	Hail (0.75 in)
04/23/19 16:51 CST	0	Source: Trained Spotter

MIDLAND COUNTY --- 2.2 SSW MIDLAND [31.97, -102.09]

04/23/19 17:44 CST	0	Hail (0.88 in)
04/23/19 17:49 CST	0	Source: Amateur Radio

MIDLAND COUNTY --- 1.1 NE (MAF) MIDLAND INTL [31.94, -102.19]

04/23/19 17:46 CST	30K	Hail (1.75 in)
04/23/19 17:51 CST	0	Source: NWS Employee

A thunderstorm produced golfball sized hail near Midland at the National Weather Service office. Vehicles at the office got dented from hail. The cost of damage is a very rough estimate.

MIDLAND COUNTY --- 4.4 NNE (MAF) MIDLAND INTL [31.99, -102.16]

04/23/19 17:50 CST	0	Hail (2.00 in)
04/23/19 17:55 CST	0	Source: NWS Employee

MIDLAND COUNTY --- 4.6 W MIDLAND [31.99, -102.16]

04/23/19 17:50 CST	0	Hail (2.50 in)
04/23/19 17:55 CST	0	Source: Public

MIDLAND COUNTY --- 4.7 W MIDLAND [31.99, -102.16]

04/23/19 17:50 CST	0	Hail (2.75 in)
04/23/19 17:55 CST	0	Source: Public

MIDLAND COUNTY --- 2.7 WNW MIDLAND [32.01, -102.13]

04/23/19 17:52 CST	0	Hail (2.00 in)
04/23/19 17:57 CST	0	Source: NWS Employee

MIDLAND COUNTY --- 3.0 W MIDLAND [32.00, -102.13]

04/23/19 17:52 CST	0	Hail (2.00 in)
04/23/19 17:57 CST	0	Source: Trained Spotter

MIDLAND COUNTY --- 3.8 WNW MIDLAND [32.02, -102.14]

04/23/19 17:52 CST	0	Hail (1.75 in)
04/23/19 17:57 CST	0	Source: Amateur Radio

MIDLAND COUNTY --- 3.4 NW MIDLAND [32.04, -102.12]

04/23/19 17:55 CST	0	Hail (1.00 in)
04/23/19 18:00 CST	0	Source: NWS Employee

MIDLAND COUNTY --- 3.3 W MIDLAND [32.00, -102.14]

04/23/19 17:57 CST	0	Hail (2.00 in)
04/23/19 18:02 CST	0	Source: Public

MIDLAND COUNTY --- 4.1 W MIDLAND [32.00, -102.15]

04/23/19 17:57 CST	0	Hail (2.50 in)
04/23/19 18:02 CST	0	Source: NWS Employee

MIDLAND COUNTY --- 4.2 WNW MIDLAND [32.03, -102.14]

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	04/23/19 17:57 CST		0	Hail (1.75 in)
	04/23/19 18:02 CST		0	Source: Trained Spotter
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MIDLAND COUNTY --- 5.0 WNW MIDLAND [32.03, -102.16]				
	04/23/19 17:59 CST		0	Hail (1.75 in)
	04/23/19 18:04 CST		0	Source: Trained Spotter
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MIDLAND COUNTY --- 3.8 WSW MIDLAND [31.99, -102.14]				
	04/23/19 18:00 CST		0	Hail (3.00 in)
	04/23/19 18:10 CST		0	Source: Public
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MIDLAND COUNTY --- 4.9 SSE SPRABERRY [31.85, -101.80]				
	04/23/19 18:00 CST		0.11M	Lightning
	04/23/19 18:00 CST		0	Source: Department of Highways
<p>Lightning struck a tank battery which caused it to explode on FM 1379 just north of County Road 230. When the tank exploded a chunk flew off and knocked down some power lines. FM 1379 was closed briefly between CR 200 and CR 230 to put out the fire. The cost of damage is a very rough estimate.</p>				
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MIDLAND COUNTY --- 3.1 NNW MIDLAND [32.04, -102.10]				
	04/23/19 18:01 CST		0	Hail (1.75 in)
	04/23/19 18:06 CST		0	Source: Amateur Radio
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MIDLAND COUNTY --- 4.0 NNE MIDLAND [32.05, -102.05]				
	04/23/19 18:02 CST		0	Hail (1.25 in)
	04/23/19 18:07 CST		0	Source: Public
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REEVES COUNTY --- TOYAH [31.32, -103.78]				
	04/23/19 19:32 CST		0	Hail (1.75 in)
	04/23/19 19:37 CST		0	Source: Law Enforcement
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PECOS COUNTY --- 6.2 NW COYANOSA [31.24, -103.06]				
	04/23/19 20:22 CST		0	Hail (1.75 in)
	04/23/19 20:27 CST		0	Source: Public
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PECOS COUNTY --- 0.6 WNW IMPERIAL [31.27, -102.69]				
	04/23/19 21:10 CST		0	Hail (1.00 in)
	04/23/19 21:15 CST		0	Source: Public
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UPTON COUNTY --- 1.0 ESE RANKIN ARPT [31.23, -101.93]				
	04/23/19 22:30 CST		0	Hail (1.00 in)
	04/23/19 22:35 CST		0	Source: Law Enforcement

An upper level low pressure was to the west of the region moving eastward which provided lift over West Texas. There was a nearly stationary cold front/boundary that extended from across the Permian Basin southward to the Trans Pecos and Rio Grande. Wind shear and instability across the area were good. These conditions resulted in large hail developing across the Permian Basin and Trans Pecos. Most of the large hail fell in and near the City of Midland and produced at least 200 million dollars of damage.

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Baseball sized hail fell across western areas of the City of Midland. Photo is courtesy of Mark Noel.

WINKLER COUNTY --- WINK [31.75, -103.15]

04/29/19 17:44 CST	0	Hail (1.00 in)
04/29/19 17:49 CST	0	Source: Public

WINKLER COUNTY --- WINK [31.75, -103.15]

04/29/19 17:57 CST	0	Hail (2.00 in)
04/29/19 18:02 CST	0	Source: Public

WINKLER COUNTY --- 7.0 E WINK [31.75, -103.03]

04/29/19 19:42 CST	0	Hail (1.75 in)
04/29/19 19:47 CST	0	Source: Storm Chaser

An upper trough was over Southern California with a cold front extending from southeast New Mexico into West Texas and Oklahoma. A dryline was present across the Trans Pecos. South of the cold front and east of the dryline there was good moisture and instability. These conditions produced large hail in Winkler County.

MIDLAND COUNTY --- 1.9 NE GREENWOOD [32.02, -101.90]

04/30/19 14:40 CST	0	Hail (1.75 in)
04/30/19 14:45 CST	0	Source: Trained Spotter

PECOS COUNTY --- 10.4 WSW IRAAN MUNI ARPT [30.84, -102.04]

04/30/19 15:13 CST	0	Hail (1.00 in)
04/30/19 15:18 CST	0	Source: Trained Spotter

PECOS COUNTY --- 11.4 SE BAKERSFIELD [30.75, -102.16], 11.9 SE BAKERSFIELD [30.75, -102.14]

04/30/19 15:13 CST	0	Tornado (EF0, L: 0.91 mi , W: 200 yd)
04/30/19 15:16 CST	0	Source: NWS Storm Survey

A weak tornado developed about 13 miles southeast of Bakersfield and was briefly witnessed by a trained spotter. The tornado occurred over open country and produced no visible damage.

SCURRY COUNTY --- 0.7 E FLUVANNA [32.88, -101.14], 2.2 E FLUVANNA [32.88, -101.11]

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	04/30/19 15:27 CST		0	Tornado (EF0, L: 1.48 mi , W: 100 yd)
	04/30/19 15:31 CST		0	Source: NWS Storm Survey

A weak tornado developed near Fluvanna and stayed over open fields. The tornado was observed by a trained spotter from the Snyder Fire Department. A National Weather Service survey was completed with this tornado. No visible damage was indicated.

PECOS COUNTY --- 4.8 N SHEFFIELD [30.74, -101.84]

04/30/19 16:09 CST	0	Hail (1.75 in)
04/30/19 16:14 CST	0	Source: Public

An upper trough was over central New Mexico, and a dryline was across West Texas allowing for good lift. Good instability and moisture were also across the area and there was decent rotation in the atmosphere. These conditions allowed for large hail and a couple of tornadoes to develop in West Texas.

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Location

Date/Time

Deaths &
Injuries

Property &
Crop Dmg

Event Type and Details



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Golfball sized hail fell near Sheffield at the intersection of I-10 and State Highway 349. Photo is courtesy of Justin Simpson.