

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>OKLAHOMA, Western, Central and Southeast</b>				
<b>KINGFISHER COUNTY --- 0.2 SSE HENNESSEY [36.11, -97.90]</b>				
	04/01/24 12:55 CST	0		Hail (1.00 in)
	04/01/24 12:55 CST	0		Source: Law Enforcement
<b>LOGAN COUNTY --- 3.3 SE MARSHALL [36.12, -97.59]</b>				
	04/01/24 13:58 CST	0		Hail (2.00 in)
	04/01/24 13:58 CST	0		Source: Broadcast Media
Size is estimated from a live video feed.				
<b>KINGFISHER COUNTY --- 2.0 SE KINGFISHER [35.84, -97.90]</b>				
	04/01/24 17:02 CST	0		Funnel Cloud
	04/01/24 17:02 CST	0		Source: Broadcast Media
A well-developed funnel cloud formed on the outflow boundary of a storm just southeast of Kingfisher. This funnel cloud may have touched down briefly as a tornado, but it could not be confirmed.				
<b>WASHITA COUNTY --- 1.2 N (CSM)CLINTON SHERMAN AIRPORT [35.36, -99.20]</b>				
	04/01/24 17:32 CST	0		Thunderstorm Wind (MG 59 kt)
	04/01/24 17:32 CST	0		Source: ASOS
Clinton-Sherman Airport (KCSM) observation.				
<b>LOGAN COUNTY --- LANGSTON [35.94, -97.25]</b>				
	04/01/24 18:21 CST	0		Hail (0.88 in)
	04/01/24 18:21 CST	0		Source: Fire Department/Rescue
<b>KINGFISHER COUNTY --- 8.1 S OMEGA [35.75, -98.18]</b>				
	04/01/24 18:30 CST	0		Hail (1.00 in)
	04/01/24 18:30 CST	0		Source: Public
MPing report.				
<b>PAYNE COUNTY --- 3.1 NNW PERKINS [36.02, -97.05]</b>				
	04/01/24 18:30 CST	0		Hail (1.00 in)
	04/01/24 18:30 CST	0		Source: Public
MPing report.				
<b>PAYNE COUNTY --- 5.3 W PERKINS [35.99, -97.13]</b>				
	04/01/24 18:30 CST	0		Hail (1.00 in)
	04/01/24 18:30 CST	0		Source: Public
MPing report.				
<b>PAYNE COUNTY --- 4.8 NNW PERKINS [36.04, -97.07]</b>				
	04/01/24 18:38 CST	0		Hail (0.75 in)
	04/01/24 18:38 CST	0		Source: Public
MPing report.				
<b>LINCOLN COUNTY --- 3.5 NNW TRYON [35.92, -96.98]</b>				
	04/01/24 20:13 CST	0		Hail (1.00 in)
	04/01/24 20:13 CST	0		Source: Public
MPing report.				
<b>GARVIN COUNTY --- 0.8 SSE STRATFORD [34.79, -96.96]</b>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/01/24 21:44 CST		0	Hail (0.75 in)
	04/01/24 21:44 CST		0	Source: Public

MPing report.

A strong (90-100 knot) mid-level speed maximum, embedded within a broader longwave trough (at 500 mb), approached portions of the area during the afternoon into the evening on the 1st. As strong synoptic ascent overspread a boundary layer characterized by seasonable moisture (ahead of an approaching cold front), multiple rounds of convection developed and impacted portions of the WFO Norman Forecast Area. Despite strong instability and organizing wind shear, early-day clouds and areas of precipitation hampered destabilization in the boundary layer. This facilitated a predominately 'elevated' character of convection, with a few instances of large hail resulting from the strongest storms. The approaching cold front also acted to "undercut" established storms in its vicinity, limiting concern for tornadic outcomes (despite increasing low-level shear towards dusk).

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### (OK-Z005) WOODS

04/06/24 14:40 CST		0	High Wind (MAX 55 kt)
04/06/24 16:30 CST		0	

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### (OK-Z005) WOODS, (OK-Z010) WOODWARD

04/06/24 16:00 CST		0.37M	Wildfire
04/10/24 11:30 CST	2	0	

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### CLEVELAND COUNTY --- 1.4 SSW (OUN)NORMAN WESTHEIMER ARPT [35.23, -97.48]

04/06/24 16:50 CST		0	Thunderstorm Wind (EG 52 kt)
04/06/24 16:50 CST		0	Source: Broadcast Media

Large tree limb blown down. Time is radar estimated.

A vigorous shortwave trough quickly moved into portions of the Central/Southern Plains during the day on the 6th. Hazardous weather occurred on both sides of an advancing Pacific front/dryline during the afternoon and evening hours. Behind the boundary, a strong low-level jet/flow was juxtaposed atop a very dry airmass, resulting in dangerous fire weather conditions. Two large wildfires ignited during the early evening across portions of northwest Oklahoma. In the moist sector, widely scattered thunderstorm development occurred during the late afternoon. Despite strong deep-layer wind shear (as expected with a strong upper wave), limited instability proved hostile for sustained severe convection/outcomes. A transient supercell thunderstorm moved across southern portions of the Oklahoma City metro area, producing isolated wind damage.

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### BRYAN COUNTY --- 2.3 SE CARTWRIGHT [33.83, -96.53]

04/08/24 21:20 CST		0	Hail (1.00 in)
04/08/24 21:20 CST		0	Source: Public

MPing report.

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### LOVE COUNTY --- 2.5 ESE MARIETTA [33.93, -97.08]

04/08/24 22:00 CST		0	Hail (1.75 in)
04/08/24 22:00 CST		0	Source: Emergency Manager

Relayed images. Time is radar estimated.

Broad southwesterly mid-level flow prevailed across the Southern Plains on the 8th. Widespread thunderstorm development occurred in the vicinity of a quasi-stationary boundary across west-central into north-central Texas during the evening hours. A few storms encroached on far southern portions of the WFO Norman Forecast Area, with a few instances of large hail and a downburst wind event occurring across portions of the Red River Valley.

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### TILLMAN COUNTY --- DAVIDSON [34.24, -99.08]

04/09/24 20:09 CST		0	Hail (1.00 in)
04/09/24 20:09 CST		0	Source: Emergency Manager

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### TILLMAN COUNTY --- 0.4 NNE TIPTON [34.51, -99.14]

04/09/24 20:15 CST		0	Thunderstorm Wind (EG 56 kt)
04/09/24 20:15 CST		0	Source: Emergency Manager

Power pole blown down. Time is radar estimated.

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### TILLMAN COUNTY --- 0.4 SSW FREDERICK ARPT [34.34, -98.98]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/09/24 20:21 CST		0	Thunderstorm Wind (MG 50 kt)
	04/09/24 20:21 CST		0	Source: ASOS

Frederick Municipal Airport (KFDR) observation.

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TILLMAN COUNTY --- HOLLISTER [34.34, -98.87]				
	04/09/24 20:25 CST		0	Thunderstorm Wind (EG 52 kt)
	04/09/24 20:25 CST		0	Source: Trained Spotter

Time is radar estimated.

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TILLMAN COUNTY --- 3.0 S HOLLISTER [34.30, -98.87]				
	04/09/24 20:28 CST		0	Hail (1.25 in)
	04/09/24 20:28 CST		0	Source: Trained Spotter

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STEPHENS COUNTY --- 5.5 NNW DUNCAN [34.57, -98.00]				
	04/09/24 21:48 CST		0	Hail (0.75 in)
	04/09/24 21:48 CST		0	Source: Public

MPing report.

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GARVIN COUNTY --- LINDSAY [34.84, -97.61]				
	04/09/24 22:23 CST		0	Hail (1.00 in)
	04/09/24 22:23 CST		0	Source: Broadcast Media

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MCCLAIN COUNTY --- WAYNE [34.92, -97.32]				
	04/09/24 22:47 CST		0	Hail (0.75 in)
	04/09/24 22:47 CST		0	Source: Public

Social media video. Most hailstones were smaller than listed magnitude. Time is radar estimated.

**A round of prolonged and widespread convection occurred across portions of western-north Texas into far southwest Oklahoma on the 9th. Early in the morning, semi-organized clusters of thunderstorms slid across portions of western-north Texas, producing reports/measured gusts of severe wind. Renewed convective development occurred later in the day, beneath the cold upper low, producing additional severe-caliber wind gusts/damage and a few reports of hail from the Red River into south-central Oklahoma.**

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(OK-Z025) OKLAHOMA				
	04/15/24 15:33 CST		0	High Wind (MAX 50 kt)
	04/15/24 15:33 CST		0	

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JACKSON COUNTY --- 7.2 SW OLUSTEE [34.47, -99.50]				
	04/15/24 18:24 CST		0	Hail (1.00 in)
	04/15/24 18:24 CST		0	Source: Broadcast Media

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WOODS COUNTY --- 13.6 NNE CAMP HOUSTON [36.99, -99.01]				
	04/16/24 01:00 CST		0	Thunderstorm Wind (MG 50 kt)
	04/16/24 01:00 CST		0	Source: Mesonet

May Ranch (MAYR) Mesonet observation.

**A strong synoptic wave approached the region during the evening into overnight hours on the 15th. An initial round of convection (during the afternoon of the 15th) preceded the more prominent mid/upper trough. This activity was driven in part by warm-air advection processes and synoptic support from a phasing branch on the subtropical jet. Sufficient instability and organizing wind shear promoted organized (supercell) thunderstorms with a threat of large hail. Through the evening, despite continued strong wind shear and approaching (increasing) synoptic ascent, a prominent layer of warm air aloft ('cap') prevented robust storm development through sunset. Scattered convection did ultimately develop by the very late evening on the 15th. However, outside of a severe-caliber wind gust along the Oklahoma/Kansas border area, severe weather outcomes were limited until convection moved north of the WFO Norman area (into south-central Kansas).**

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(OK-Z007) GRANT				
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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/16/24 07:00 CST		0	Drought
	04/30/24 23:59 CST		0	

Despite heavy rain/storms across portions of the WFO Norman forecast area, below normal monthly precipitation across far northwest Oklahoma fostered the emerge of severe drought by the middle to end of the month.

**(OK-Z005) WOODS, (OK-Z006) ALFALFA, (OK-Z007) GRANT**

04/23/24 07:00 CST	0	Drought
04/30/24 23:59 CST	0	

Despite heavy rain/storms across portions of the WFO Norman forecast area, below normal monthly precipitation across far northwest Oklahoma fostered the emerge of severe drought by the middle to end of the month.

**COMANCHE COUNTY --- 3.3 E LAWTON [34.61, -98.33]**

04/26/24 02:32 CST	2K	Thunderstorm Wind (EG 56 kt)
04/26/24 02:32 CST	0	Source: Broadcast Media

Relayed image showing a power pole snapped in half. Time is radar estimated.

**CLEVELAND COUNTY --- 4.3 NW STELLA [35.36, -97.26]**

04/26/24 03:45 CST	0	Thunderstorm Wind (EG 52 kt)
04/26/24 03:45 CST	0	Source: Public

Social media image showing multiple large (6+ inches in diameter) tree limbs blown down. Time is radar estimated.

**CLEVELAND COUNTY --- 2.1 ESE STELLA [35.31, -97.18], 2.3 ESE STELLA [35.31, -97.17]**

04/26/24 03:49 CST	10K	Tornado (EF0, L: 0.54 mi , W: 30 yd)
04/26/24 03:50 CST	0	Source: NWS Storm Survey

A tornado developed from a QLCS (Quasi-Linear Convective System) in northeast Cleveland County to the east-southeast of Stella. One mobile home had roof damage and trees were damaged along the path.

**CLEVELAND COUNTY --- 2.6 ENE LAKE THUNDERBIRD DAM [35.23, -97.18]**

04/26/24 03:50 CST	2K	Thunderstorm Wind (EG 52 kt)
04/26/24 03:50 CST	0	Source: NWS Employee

Powerline down near the intersection of Oklahoma Highway 9 and Dobbs Road. Time is radar estimated.

**POTTAWATOMIE COUNTY --- 5.2 NNW PINK [35.33, -97.14], 4.6 WSW DALE [35.36, -97.13]**

04/26/24 03:52 CST	5K	Tornado (EF0, L: 2.40 mi , W: 40 yd)
04/26/24 03:55 CST	0	Source: NWS Storm Survey

Two nearly-simultaneous tornadoes occurred in northwestern Pottawatomie County from a QLCS storm. The first one developed just east of the Cleveland-Pottawatomie County line along Lake Road and moved northeast and then north dissipating or merging with a second tornado near Fishmarket Road and Oakridge Lane. Two barns had siding damage, but otherwise damage was primarily to trees along the path.

**CLEVELAND COUNTY --- 4.4 ENE STELLA [35.35, -97.14]**

04/26/24 03:53 CST	1K	Tornado (EF1, L: 0.05 mi , W: 30 yd)
04/26/24 03:53 CST	0	Source: NWS Storm Survey

Two nearly-simultaneous tornadoes occurred in northwestern Pottawatomie County from a QLCS storm. The second tornado developed just inside Cleveland County before moving quickly into Pottawatomie County. Tree damage was observed at the county line as the tornado moved into Pottawatomie County, but the grove of trees in Cleveland County was not accessible to the survey team.

**POTTAWATOMIE COUNTY --- 5.9 WSW DALE [35.35, -97.14], 4.0 WSW DALE [35.37, -97.12]**

04/26/24 03:53 CST	5K	Tornado (EF1, L: 1.88 mi , W: 75 yd)
04/26/24 03:56 CST	0	Source: NWS Storm Survey

Two nearly-simultaneous tornadoes occurred in northwestern Pottawatomie County from a QLCS storm. The second tornado developed just inside Cleveland County before moving quickly into Pottawatomie County. Trees were snapped and a house received damage to shingles along and just east of the county line in Pottawatomie County. The tornado moved generally northeast producing tree damage and it may have merged with the first tornado near Fishmarket Road and Oakridge Lane. The tornado continued northeast for a little over 0.5 miles continuing to produce tree damage until it dissipated east of Lakewood Circle.

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>POTTAWATOMIE COUNTY --- 0.3 ESE DALE [35.39, -97.05]</b>				
	04/26/24 04:03 CST		10K	Thunderstorm Wind (EG 61 kt)
	04/26/24 04:03 CST		0	Source: Emergency Manager
Relayed image showing the roof removed from a mobile home. Time is radar estimated.				
<b>POTTAWATOMIE COUNTY --- 3.2 NW SHAWNEE [35.36, -96.97]</b>				
	04/26/24 04:05 CST		10K	Thunderstorm Wind (EG 61 kt)
	04/26/24 04:05 CST		0	Source: Emergency Manager
A large box truck overturned by thunderstorm wind. This was near the path of an EF-0 tornado (see separate entry for additional details about this tornado).				
<b>POTTAWATOMIE COUNTY --- 3.3 WNW SHAWNEE [35.36, -96.97], 3.4 NNW SHAWNEE [35.38, -96.94]</b>				
	04/26/24 04:05 CST		30K	Tornado (EF0, L: 2.40 mi , W: 50 yd)
	04/26/24 04:08 CST		0	Source: NWS Storm Survey
A tornado developed southwest of US Highway 177 and Acme Road and moved northeast through the northwestern portion of Shawnee . A few homes had shingle damage and there were some sheds, fences, metal buildings, trees and power poles damaged along the path.				
<b>LINCOLN COUNTY --- 0.5 NW WELLSTON [35.69, -97.07]</b>				
	04/26/24 04:10 CST		2K	Thunderstorm Wind (EG 52 kt)
	04/26/24 04:10 CST		0	Source: Emergency Manager
Powerlines down. Time is radar estimated.				
<b>POTTAWATOMIE COUNTY --- 2.9 NNW SHAWNEE [35.36, -96.95]</b>				
	04/26/24 04:10 CST		0	Thunderstorm Wind (MG 55 kt)
	04/26/24 04:10 CST		0	Source: Mesonet
Shawnee (SHAW) Mesonet observation.				
<b>POTTAWATOMIE COUNTY --- 9.6 ENE JOHNSON [35.45, -96.67], 11.0 ENE JOHNSON [35.46, -96.66]</b>				
	04/26/24 04:28 CST		15K	Tornado (EF1, L: 1.60 mi , W: 70 yd)
	04/26/24 04:30 CST		0	Source: NWS Storm Survey
This tornado developed west of US Highway 377 near Hazel Dell Road and moved northeast crossing into Lincoln County about one mile east of US Highway 377. Damage in Pottawatomie County was primarily to trees, although at least one home along US-377 received some roof damage.				
<b>LINCOLN COUNTY --- 2.7 SE PRAGUE [35.46, -96.66], 3.7 E PRAGUE [35.49, -96.62]</b>				
	04/26/24 04:30 CST		5K	Tornado (EF1, L: 2.50 mi , W: 400 yd)
	04/26/24 04:33 CST		0	Source: NWS Storm Survey
This tornado moved into Lincoln County from Pottawatomie County and produced tree damage southeast of Prague before moving into Okfuskee County south of US Highway 62. See information for Eastern Oklahoma from the NWS Tulsa for the Okfuskee County portion of this tornado .				
<b>LINCOLN COUNTY --- 2.7 NNE PRAGUE [35.53, -96.68]</b>				
	04/26/24 04:31 CST		10K	Tornado (EF0, L: 0.20 mi , W: 30 yd)
	04/26/24 04:31 CST		0	Source: Emergency Manager
A home received roof damage from this brief tornado.				
<b>LINCOLN COUNTY --- 0.5 E STROUD [35.75, -96.65]</b>				
	04/26/24 04:40 CST		0	Thunderstorm Wind (EG 61 kt)
	04/26/24 04:40 CST		0	Source: Emergency Manager
Roof damage to an apartment building. Time is radar estimated.				
<b>SEMINOLE COUNTY --- 4.7 N WEWOKA [35.22, -96.49]</b>				
	04/26/24 04:50 CST		0	Thunderstorm Wind (EG 61 kt)
	04/26/24 04:50 CST		0	Source: Emergency Manager

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Trees blown down. Time is radar estimated.				
<b>PONTOTOC COUNTY --- 0.6 ENE ADA [34.77, -96.67]</b>				
	04/26/24 04:59 CST		0	Thunderstorm Wind (MG 53 kt)
	04/26/24 04:59 CST		0	Source: Trained Spotter
Measurement via handheld anemometer.				
<b>SEMINOLE COUNTY --- 2.5 SSW BOWLEGS [35.11, -96.68]</b>				
	04/26/24 15:18 CST		0	Hail (0.88 in)
	04/26/24 15:18 CST		0	Source: Trained Spotter
Relayed by emergency management.				
<p>During the early morning of the 26th, ahead of a strong upper wave passage, a quasi-linear convective system (QLCS) developed across portions of central into eastern Oklahoma. Despite strong kinematics (wind shear) in place, the initial phase of the linear complex was rather benign (in terms of severe weather outcomes). However, as the complex overspread the Interstate 35 corridor, organization increased rapidly, including the development of several strong mesovortices. A cluster of weak tornadoes and wind damage occurred across portions of east-central Oklahoma, associated with these mesovortices. By the afternoon, while stronger synoptic support had lifted into portions of the Missouri Valley, strong convergence along a trailing boundary/pseudo-dryline promoted development of a few transient storms. A report of small hail was received with one of these storms across Seminole County.</p>				
<b>ROGER MILLS COUNTY --- 0.5 NE CHEYENNE [35.61, -99.66]</b>				
	04/27/24 08:52 CST		0	Hail (0.75 in)
	04/27/24 08:52 CST		0	Source: Public
MPing report.				
<b>ROGER MILLS COUNTY --- 4.7 ENE STRONG CITY [35.70, -99.53], 5.3 ENE STRONG CITY [35.71, -99.52]</b>				
	04/27/24 09:11 CST		5K	Tornado (EF1, L: 0.70 mi , W: 50 yd)
	04/27/24 09:12 CST		0	Source: Emergency Manager
This is the first tornado of a large outbreak across Oklahoma and north Texas that occurred on April 27. The Roger Mills County Emergency Manager provided information about tree damage observed to the east-northeast of Strong City.				
<b>ROGER MILLS COUNTY --- 6.0 NW HAMMON [35.69, -99.46]</b>				
	04/27/24 09:18 CST		0	Tornado (EF0, L: 0.10 mi , W: 10 yd)
	04/27/24 09:18 CST		0	Source: Broadcast Media
A media storm chaser observed a brief tornado estimated to be about 6 miles northwest of Hammon. No damage is known to have occurred.				
<b>MAJOR COUNTY --- 1.8 S RINGWOOD [36.35, -98.25]</b>				
	04/27/24 09:45 CST		0	Hail (1.25 in)
	04/27/24 09:45 CST		0	Source: Public
MPing report. Based on radar evidence, hailfall likely occurred prior (1935-1945 LST) to report time.				
<b>DEWEY COUNTY --- 3.1 SW SEILING [36.12, -98.96]</b>				
	04/27/24 10:19 CST		0	Hail (1.75 in)
	04/27/24 10:19 CST		0	Source: Emergency Manager
<b>JACKSON COUNTY --- 5.8 SW ELDORADO [34.42, -99.73]</b>				
	04/27/24 12:06 CST		0	Hail (1.00 in)
	04/27/24 12:06 CST		0	Source: Public
MPing report.				
<b>GARFIELD COUNTY --- HILLSDALE [36.56, -97.99], 0.8 NE HILLSDALE [36.57, -97.98]</b>				
	04/27/24 12:21 CST		5K	Tornado (EF1, L: 0.80 mi , W: 100 yd)
	04/27/24 12:22 CST		0	Source: Emergency Manager
Garfield County Emergency Management reported tree and power pole damage at Hillsdale.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>PAYNE COUNTY --- 8.9 W LAKE CARL BLACKWELL DAM [36.12, -97.35]</b>				
	04/27/24 13:26 CST		0	Hail (0.75 in)
	04/27/24 13:26 CST		0	Source: Public
MPing report.				
<b>KAY COUNTY --- 2.3 E EDDY [36.69, -97.41]</b>				
	04/27/24 13:30 CST		0	Hail (1.50 in)
	04/27/24 13:30 CST		0	Source: Public
MPing report.				
<b>KAY COUNTY --- 2.3 WNW TONKAWA [36.70, -97.35]</b>				
	04/27/24 13:32 CST		0	Hail (2.25 in)
	04/27/24 13:32 CST		0	Source: Public
MPing report. Time is radar estimated.				
<b>KAY COUNTY --- 0.9 N TONKAWA [36.69, -97.31]</b>				
	04/27/24 13:35 CST		0	Hail (1.75 in)
	04/27/24 13:35 CST		0	Source: Public
MPing report.				
<b>KIOWA COUNTY --- 1.1 SSE HOBART [35.02, -99.09]</b>				
	04/27/24 13:38 CST		0	Hail (1.00 in)
	04/27/24 13:38 CST		0	Source: Public
MPing report. Time is radar estimated.				
<b>KAY COUNTY --- 2.9 SE PECKHAM [36.86, -97.14], 2.5 W NEWKIRK [36.88, -97.10]</b>				
	04/27/24 13:39 CST		20K	Tornado (EF1, L: 2.60 mi , W: 30 yd)
	04/27/24 13:44 CST		0	Source: NWS Storm Survey
This tornado began southwest of Newkirk, west of Ranch Drive and north of Canteen Road damaging a barn and a carport. The tornado continued northeast damaging trees before dissipating near Waverly Street and Peckham Road west of Newkirk .				
<b>KIOWA COUNTY --- 0.6 NE HOBART [35.04, -99.09]</b>				
	04/27/24 13:39 CST		0	Hail (1.00 in)
	04/27/24 13:39 CST		0	Source: Public
MPing report.				
<b>KIOWA COUNTY --- 0.3 WSW HOBART [35.03, -99.10]</b>				
	04/27/24 13:40 CST		0	Hail (1.25 in)
	04/27/24 13:40 CST		0	Source: Public
MPing report. Time is radar estimated.				
<b>KIOWA COUNTY --- 1.1 SE LONE WOLF [34.98, -99.24]</b>				
	04/27/24 13:41 CST		0	Hail (0.75 in)
	04/27/24 13:41 CST		0	Source: Public
MPing report.				
<b>KAY COUNTY --- 0.9 SE BLACKWELL [36.79, -97.27]</b>				
	04/27/24 13:42 CST		0	Hail (2.50 in)
	04/27/24 13:42 CST		0	Source: Trained Spotter
Multiple social media images.				

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<b>KAY COUNTY --- 4.1 NNE NEWKIRK [36.94, -97.03], 4.4 SE CHILOCCO [36.94, -97.02]</b>				
	04/27/24 13:54 CST		75K	Tornado (EF1, L: 1.00 mi , W: 75 yd)
	04/27/24 13:56 CST		0	Source: NWS Storm Survey
A mobile home was damaged near where this tornado developed west of La Cann Road and south of Gate Road . The tornado moved east-northeast producing damage to another mobile home and trees along Gate Road.				
<b>CADDO COUNTY --- 0.4 SW CARNEGIE [35.10, -98.60]</b>				
	04/27/24 14:06 CST		0	Hail (0.75 in)
	04/27/24 14:06 CST		0	Source: Public
MPing report.				
<b>KAY COUNTY --- 1.8 NNW BRAMAN [36.94, -97.35]</b>				
	04/27/24 14:17 CST		0	Hail (1.00 in)
	04/27/24 14:17 CST		0	Source: Public
MPing report. Time is radar estimated.				
<b>PAYNE COUNTY --- 2.3 WNW (SWO)STILLWATER AIRPORT [36.17, -97.13], 5.3 N (SWO)STILLWATER AIRPORT [36.24, -97.08]</b>				
	04/27/24 14:20 CST		10K	Tornado (EF0, L: 5.20 mi , W: 30 yd)
	04/27/24 14:27 CST		0	Source: NWS Storm Survey
A tornado touched down near Richmond Road just west of Country Club Road in northern Payne County damaging trees in the area . Trees and outbuildings were also damaged near Lone Chimney Road and Western Road to the northeast . This tornado may not have been continuous along this path.				
<b>GRANT COUNTY --- 0.4 SSW DEER CREEK [36.80, -97.52]</b>				
	04/27/24 14:52 CST		0	Hail (0.75 in)
	04/27/24 14:52 CST		0	Source: Public
MPing report.				
<b>CADDO COUNTY --- 3.1 SW HINTON [35.44, -98.40], 2.4 SW HINTON [35.45, -98.39]</b>				
	04/27/24 15:10 CST		0	Tornado (EF0, L: 0.80 mi , W: 20 yd)
	04/27/24 15:12 CST		0	Source: Storm Chaser
Storm chasers observed a tornado southwest of Hinton. No damage was reported in the area and the location is estimated.				
<b>CADDO COUNTY --- 2.6 NNE HINTON [35.51, -98.35]</b>				
	04/27/24 15:19 CST		0	Hail (0.88 in)
	04/27/24 15:19 CST		0	Source: Trained Spotter
Relayed by amateur radio. Location is approximate.				
<b>CANADIAN COUNTY --- 6.2 W CALUMET [35.61, -98.23], 4.9 N CALUMET [35.67, -98.14]</b>				
	04/27/24 15:29 CST		0.10M	Tornado (EF1, L: 6.75 mi , W: 150 yd)
	04/27/24 15:39 CST		0	Source: Storm Chaser
This tornado was first observed by storm chasers and spotters about 429 PM west of Calumet before it became wrapped in rain. A mobile home was damaged after the tornado crossed US-270 northwest of Calumet. Power poles were damaged along Ranch Road, and then buildings were damaged at an oil field near 192nd Street and Red Rock Road, including an RV that was destroyed and a trailer that was rolled .				
<b>KAY COUNTY --- 2.8 WSW KILDARE [36.80, -97.10]</b>				
	04/27/24 15:36 CST		0	Hail (0.75 in)
	04/27/24 15:36 CST		0	Source: Public
MPing report.				
<b>TILLMAN COUNTY --- 0.5 N HOLLISTER [34.35, -98.87]</b>				
	04/27/24 15:37 CST		0	Hail (1.00 in)
	04/27/24 15:37 CST		0	Source: Trained Spotter



## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Relayed by emergency management.				
<b>KAY COUNTY --- NEWKIRK [36.88, -97.06]</b>				
	04/27/24 15:40 CST		0	Hail (1.75 in)
	04/27/24 15:40 CST		0	Source: Emergency Manager
Time is radar estimated.				
<b>KINGFISHER COUNTY --- 8.1 S OMEGA [35.75, -98.18]</b>				
	04/27/24 15:50 CST		0	Hail (1.50 in)
	04/27/24 15:50 CST		0	Source: Public
MPing report. Based on radar evidence, hailfall likely occurred prior (1540-1550 LST) to report time.				
<b>KAY COUNTY --- 1.7 SW BLACKWELL [36.78, -97.30], 1.1 NNE TONKAWA [36.69, -97.30], 2.7 ENE TONKAWA [36.69, -97.27], 1.5 SE BLACKWELL [36.78, -97.27]</b>				
	04/27/24 16:00 CST		10K	Flash Flood (due to Heavy Rain)
	04/27/24 21:00 CST		0	Source: Law Enforcement
Portions of U.S. Highway 177 flooded, from the U.S. Highway 60 intersection to the community of Blackwell. Portions of the roadway may have been washed out as well. Event time is approximate.				
<b>KAY COUNTY --- 2.4 WNW TONKAWA [36.70, -97.35], 2.9 SW TONKAWA [36.65, -97.35], 2.7 SW TONKAWA [36.65, -97.34], 2.1 WNW TONKAWA [36.70, -97.34]</b>				
	04/27/24 16:00 CST		0	Flash Flood (due to Heavy Rain)
	04/27/24 19:00 CST		0	Source: Law Enforcement
Flooding across all lanes of Interstate 35 near mile marker 217. Event time is approximate.				
<b>KAY COUNTY --- 4.4 SE BRAMAN [36.88, -97.26], 0.9 ESE BLACKWELL [36.80, -97.26], 0.9 S KILDARE [36.80, -97.05], 0.7 ENE NEWKIRK [36.88, -97.05]</b>				
	04/27/24 16:00 CST		0	Flash Flood (due to Heavy Rain)
	04/27/24 21:00 CST		0	Source: Emergency Manager
Heavy rainfall resulted in flooding across north-central portions of Kay County. This included significant roadway flooding along portions of Oklahoma State Highway 11 and U.S. Highway 77 near the communities of Blackwell and Newkirk. Event time is approximate.				
<b>GARFIELD COUNTY --- 7.6 SE DOUGLAS [36.17, -97.59]</b>				
	04/27/24 16:48 CST		0	Hail (1.75 in)
	04/27/24 16:48 CST		0	Source: Broadcast Media
Based on radar evidence, hailfall likely occurred prior (1640-1645 LST) to report time.				
<b>TILLMAN COUNTY --- 5.9 SW GRANDFIELD [34.16, -98.75]</b>				
	04/27/24 17:05 CST		0	Hail (1.00 in)
	04/27/24 17:05 CST		0	Source: Emergency Manager
<b>NOBLE COUNTY --- 2.7 W CERES [36.48, -97.33]</b>				
	04/27/24 17:20 CST		0	Hail (1.00 in)
	04/27/24 17:20 CST		0	Source: Trained Spotter
<b>TILLMAN COUNTY --- 1.4 W GRANDFIELD [34.23, -98.71]</b>				
	04/27/24 17:40 CST		0	Thunderstorm Wind (MG 52 kt)
	04/27/24 17:40 CST		0	Source: Emergency Manager
<b>TILLMAN COUNTY --- 6.3 SE GRANDFIELD [34.16, -98.62], 6.3 SE GRANDFIELD [34.17, -98.61]</b>				
	04/27/24 17:49 CST		0	Tornado (EFU, L: 1.00 mi , W: 50 yd)
	04/27/24 17:51 CST		0	Source: NWS Storm Survey
This tornado crossed the Red River from Wichita County Texas into far southeastern Tillman County Oklahoma . It moved one mile northeast before moving into Cotton County. The area of potential damage in the Red River valley was inaccessible to the survey team.				

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>COTTON COUNTY --- 1.9 SW DEVOL [34.17, -98.61], 1.1 E DEVOL [34.19, -98.57]</b>				
	04/27/24 17:51 CST		30K	Tornado (EF1, L: 2.70 mi , W: 100 yd)
	04/27/24 17:56 CST		0	Source: NWS Storm Survey
This tornado which developed in Wichita County Texas and moved across far southeastern Tillman County Oklahoma moved into Cotton County to the southwest of Devol before dissipating about one mile east of Devol. The tornado moved northeast and then east- northeast affecting the southern portion of Devol. One house just southeast of Devol received roof damage, and trees and power poles were damaged along the path in Cotton County.				
<b>COTTON COUNTY --- 3.4 SW WALTERS ARPT [34.34, -98.45]</b>				
	04/27/24 18:11 CST		0	Hail (1.00 in)
	04/27/24 18:11 CST		0	Source: Public
MPing report.				
<b>COTTON COUNTY --- 4.3 SW RANDLETT [34.14, -98.51]</b>				
	04/27/24 18:26 CST		0	Hail (1.00 in)
	04/27/24 18:26 CST		0	Source: Public
MPing report. Time is radar estimated.				
<b>STEPHENS COUNTY --- 2.5 WNW SUNRAY [34.44, -98.00]</b>				
	04/27/24 18:34 CST		0	Hail (0.75 in)
	04/27/24 18:34 CST		0	Source: Public
MPing report.				
<b>KAY COUNTY --- 2.8 WSW KILDARE [36.80, -97.10]</b>				
	04/27/24 18:38 CST		0	Hail (0.75 in)
	04/27/24 18:38 CST		0	Source: Public
MPing report.				
<b>KAY COUNTY --- PONCA CITY [36.70, -97.08]</b>				
	04/27/24 18:38 CST		0	Hail (2.50 in)
	04/27/24 18:38 CST		0	Source: Broadcast Media
Multiple images relayed by broadcast media. Time is radar estimated.				
<b>COMANCHE COUNTY --- 2.9 ENE GERONIMO [34.49, -98.33]</b>				
	04/27/24 18:40 CST		2K	Thunderstorm Wind (EG 61 kt)
	04/27/24 18:40 CST		0	Source: Fire Department/Rescue
Power pole blown down near the intersection of Southeast 45th Street and Burk Road. Relayed by emergency management. Time is radar estimated.				
<b>KAY COUNTY --- 3.0 E (PNC)PONCA CITY ARPT [36.74, -97.05]</b>				
	04/27/24 18:40 CST		0	Hail (1.50 in)
	04/27/24 18:40 CST		0	Source: Public
MPing report.				
<b>STEPHENS COUNTY --- DUNCAN [34.50, -97.96]</b>				
	04/27/24 18:41 CST		0	Hail (1.00 in)
	04/27/24 18:41 CST		0	Source: Public
Social media image. Time is radar estimated.				
<b>STEPHENS COUNTY --- 2.6 NNW DUNCAN [34.54, -97.97]</b>				
	04/27/24 18:43 CST		0	Hail (1.00 in)
	04/27/24 18:43 CST		0	Source: Emergency Manager
<b>COTTON COUNTY --- 1.6 NE TAYLOR [34.19, -98.31]</b>				

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/27/24 18:45 CST		0	Thunderstorm Wind (EG 61 kt)
	04/27/24 18:45 CST		0	Source: Emergency Manager

Two homes, near the intersection of East 1950 Road and North 2620 Road, damaged by thunderstorm wind. Time is radar estimated.

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### COMANCHE COUNTY --- 4.0 SSE PUMPKIN CENTER [34.54, -98.18]

04/27/24 18:55 CST	0	Tornado (EFU, L: 0.30 mi , W: 20 yd)
04/27/24 18:55 CST	0	Source: Storm Chaser

A storm chaser observed a brief tornado estimated to be 4 miles south-southeast of Pumpkin Center. No damage was reported.

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### COTTON COUNTY --- 0.7 WNW TEMPLE [34.27, -98.24]

04/27/24 19:03 CST	0	Hail (1.00 in)
04/27/24 19:03 CST	0	Source: Fire Department/Rescue

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### STEPHENS COUNTY --- 0.5 WNW DUNCAN [34.50, -97.97]

04/27/24 19:10 CST	50K	Thunderstorm Wind (EG 61 kt)
04/27/24 19:10 CST	0	Source: Public

Social media image showing a gas station canopy collapsed due to thunderstorm wind. Time is radar estimated.

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### STEPHENS COUNTY --- 3.4 W MARLOW [34.65, -98.02]

04/27/24 19:19 CST	0	Thunderstorm Wind (EG 70 kt)
04/27/24 19:24 CST	0	Source: NWS Storm Survey

A broad swath of wind damage spread from west of Marlow near 3 Mile Road south of Nabor Road, northeast to just north of Marlow. A few trees were snapped, power poles were damaged and one shed was destroyed. Time is estimated.

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### STEPHENS COUNTY --- MARLOW [34.65, -97.96]

04/27/24 19:22 CST	75K	Thunderstorm Wind (EG 70 kt)
04/27/24 19:22 CST	0	Source: Fire Department/Rescue

Multiple trees and power lines blown down throughout the community of Marlow. The metal roof of an event center was blown off. Time is radar estimated.

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### STEPHENS COUNTY --- 2.9 SW MARLOW [34.62, -98.00], 2.7 SW DUNCAN [34.48, -98.00], 2.3 SE DUNCAN [34.48, -97.93], 2.5 SE MARLOW [34.62, -97.93]

04/27/24 19:30 CST	0	Flash Flood (due to Heavy Rain)
04/27/24 23:30 CST	0	Source: Emergency Manager

Flash flooding reported throughout the community of Duncan. A social media video showed significant roadway flooding near the intersection of U .S. Highway 81 and Oklahoma Highway 7. Event time is approximate.

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### GRADY COUNTY --- 4.6 S ALEX [34.85, -97.79]

04/27/24 19:52 CST	0	Thunderstorm Wind (EG 56 kt)
04/27/24 19:52 CST	0	Source: Emergency Manager

Trees blown down near the intersection of County Road 1490 and County Street 2920. Time is radar estimated.

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### MCCLAIN COUNTY --- 7.5 W PAYNE [34.90, -97.66], 6.6 WSW CRINER [34.94, -97.67]

04/27/24 19:53 CST	40K	Tornado (EF1, L: 2.90 mi , W: 225 yd)
04/27/24 19:57 CST	0	Source: NWS Storm Survey

This tornado developed near 130th Street in McClain County about one half mile east of the Grady County line. One mobile home received roof damage and one storage trailer was rolled over. Trees were broken along this path as well. The tornado moved north-northwest and began straddling the McClain-Grady County line north of 150th Street. The tornado never fully moved into Grady County, but the tornado centerline did pass into Grady County briefly (see Grady County segment) before curving north-northeast and moving back into McClain County.

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### GRADY COUNTY --- 4.7 NNE BRADLEY [34.94, -97.67], 5.5 NNE BRADLEY [34.95, -97.67]

04/27/24 19:57 CST	2K	Tornado (EF1, L: 1.00 mi , W: 150 yd)
04/27/24 20:00 CST	0	Source: NWS Storm Survey

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>The tornado that started in McClain County moved north-northwest and began straddling the McClain-Grady County line. The tornado never fully moved into Grady County, but the centerline of the tornado briefly moved north-northwest into Grady County before turning north-northeast back into McClain County. Trees were damaged along the county line.</p>				
<b>MCCLAIN COUNTY --- 5.6 W PAYNE [34.91, -97.63]</b>				
	04/27/24 19:57 CST		0	Hail (1.00 in)
	04/27/24 19:57 CST		0	Source: Public
MPing report.				
<b>MCCLAIN COUNTY --- 5.8 SSW DIBBLE [34.95, -97.67], 5.3 SSW DIBBLE [34.96, -97.67]</b>				
	04/27/24 20:00 CST		2K	Tornado (EF1, L: 0.50 mi , W: 50 yd)
	04/27/24 20:01 CST		0	Source: NWS Storm Survey
<p>The centerline of the tornado that began farther south in McClain County and straddled the county line curved north-northeast and moved back into McClain County. The last damage noted was tree damage along 170th street about 100 yards east of the county line.</p>				
<b>STEPHENS COUNTY --- 0.1 NNE MARLOW [34.65, -97.96], 0.1 E MARLOW [34.65, -97.96], 0.2 E MARLOW [34.65, -97.96], 0.3 ENE MARLOW [34.65, -97.96]</b>				
	04/27/24 20:00 CST		0	Flash Flood (due to Heavy Rain)
	04/27/24 23:00 CST		0	Source: Fire Department/Rescue
<p>Water flowing across the roadway, with an estimated depth of 6 inches, near the intersection of U.S. Highway 81 and Apache Street in the community of Marlow. Event time is approximate.</p>				
<b>STEPHENS COUNTY --- 1.2 NNW DUNCAN [34.52, -97.97], 0.9 NW DUNCAN [34.51, -97.97], 0.8 NNW DUNCAN [34.51, -97.96], 1.1 NNW DUNCAN [34.52, -97.96]</b>				
	04/27/24 20:00 CST		0	Flash Flood (due to Heavy Rain)
	04/28/24 01:00 CST		0	Source: Emergency Manager
<p>Heavy rainfall caused Claridy Creek to rise out of its banks, flooding a portion of U.S. Highway 81 near the Elder Avenue intersection. Event time is approximate.</p>				
<b>STEPHENS COUNTY --- 1.3 NNW DUNCAN [34.52, -97.97]</b>				
	04/27/24 20:00 CST		0	Hail (1.25 in)
	04/27/24 20:00 CST		0	Source: Public
MPing report. Time is radar estimated.				
<b>CARTER COUNTY --- FOX [34.36, -97.49]</b>				
	04/27/24 20:10 CST		0	Hail (3.00 in)
	04/27/24 20:10 CST		0	Source: Fire Department/Rescue
Time is radar estimated.				
<b>MCCLAIN COUNTY --- 2.9 NNE DIBBLE [35.07, -97.61], 2.9 SW COLE [35.08, -97.61]</b>				
	04/27/24 20:12 CST		2K	Tornado (EF1, L: 0.50 mi , W: 40 yd)
	04/27/24 20:14 CST		0	Source: NWS Storm Survey
<p>Tree damage was observed along 250th Street north-northeast of Dibble. However much of the remainder of the tornado path was inaccessible to the ground survey team.</p>				
<b>JOHNSTON COUNTY --- 3.3 NNE RAVIA [34.28, -96.73], 1.6 W REAGAN [34.35, -96.75]</b>				
	04/27/24 20:16 CST		50K	Tornado (EF1, L: 4.65 mi , W: 150 yd)
	04/27/24 20:22 CST		0	Source: Emergency Manager
<p>Johnston County Emergency Management provided drone video of widespread tree damage from a tornado that moved north-northwest from north of Ravia to west of Reagan. Many trees were broken or uprooted in the prairie north of Ravia. Before dissipating, a few barns and outbuildings were also damaged as the tornado approached Pace Road west of Reagan. The tornado dissipated soon after crossing Pace Road.</p>				
<b>COTTON COUNTY --- TEMPLE [34.27, -98.23]</b>				
	04/27/24 20:17 CST		0	Hail (0.88 in)
	04/27/24 20:17 CST		0	Source: Fire Department/Rescue

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MCCLAIN COUNTY --- 0.9 WNW COLE [35.10, -97.58], 1.6 NNE COLE [35.12, -97.56]</b>				
	04/27/24 20:17 CST		2K	Tornado (EF0, L: 1.67 mi , W: 40 yd)
	04/27/24 20:20 CST		0	Source: NWS Storm Survey
This tornado produced tree damage as it moved northeast from west-northwest of Cole to northeast of Cole.				
<b>MCCLAIN COUNTY --- 2.9 N COLE [35.14, -97.56], 1.8 NNW GOLDSBY [35.17, -97.49]</b>				
	04/27/24 20:20 CST		0.20M	Tornado (EF2, L: 4.90 mi , W: 125 yd)
	04/27/24 20:27 CST		0	Source: NWS Storm Survey
Tree damage was first observed near May Avenue and 297th Street north of Cole. The tornado moved northeast producing roof damage to homes just west of Goldsby with at least two homes losing most their roofs. Other trees were damaged along the path. The tornado dissipated after crossing Interstate 35 just south of Sycamore Road.				
<b>CLEVELAND COUNTY --- 1.5 SSW (OUN)NORMAN WESTHEIMER ARPT [35.23, -97.48], 2.3 ENE (OUN)NORMAN WESTHEIMER ARPT [35.26, -97.43]</b>				
	04/27/24 20:29 CST		0.10M	Tornado (EF1, L: 3.50 mi , W: 200 yd)
	04/27/24 20:36 CST		0	Source: NWS Storm Survey
This tornado moved across north Norman from near 24th Avenue Northwest and Robinson Street to just southwest of 12th Avenue Northeast and Tecumseh Road. A gas station canopy and trees were damaged at the beginning of the path along 24th Avenue Northwest. The tornado then moved northeast onto the University of Oklahoma Max Westheimer Airport damaging a hangar , and then continued north producing scattered tree damage.				
<b>CLEVELAND COUNTY --- 1.1 SSW NORMAN [35.20, -97.44]</b>				
	04/27/24 20:30 CST		0	Thunderstorm Wind (EG 52 kt)
	04/27/24 20:30 CST		0	Source: Public
Multiple social media reports of tree limbs blown down across The University of Oklahoma campus. Time is radar estimated.				
<b>LOVE COUNTY --- 6.2 WSW OVERBROOK [34.03, -97.23], 4.3 W OVERBROOK [34.06, -97.22]</b>				
	04/27/24 20:33 CST		0	Thunderstorm Wind (EG 61 kt)
	04/27/24 20:36 CST		0	Source: Emergency Manager
The storm that eventually produced the Ardmore tornado produced a swath of wind damage across northern Love County from Oswalt Road north-northeast to near the Carter County line where an outbuilding had roof damage.				
<b>CLEVELAND COUNTY --- 1.0 SSE (OUN)NORMAN WESTHEIMER ARPT [35.24, -97.46]</b>				
	04/27/24 20:35 CST		0	Thunderstorm Wind (MG 51 kt)
	04/27/24 20:35 CST		0	Source: Mesonet
Norman (NRMN) Mesonet observation.				
<b>CARTER COUNTY --- 7.6 SSE LONE GROVE [34.08, -97.21]</b>				
	04/27/24 20:38 CST		0	Thunderstorm Wind (EG 83 kt)
	04/27/24 20:38 CST		0	Source: Emergency Manager
A house received significant roof damage from thunderstorm winds in far southern Carter County . This appeared to be associated with the Rear Flank Downdraft (RFD) of a supercell that later produced the Ardmore tornado .				
<b>CARTER COUNTY --- 5.3 SW ARDMORE [34.11, -97.20], 3.1 S SPRINGER [34.27, -97.14]</b>				
	04/27/24 20:42 CST		20M	Tornado (EF2, L: 11.30 mi , W: 400 yd)
	04/27/24 20:56 CST	19	0	Source: NWS Storm Survey
The Ardmore tornado initially developed about 5 miles southwest of Ardmore, and moved north-northeast towards Ardmore. Some homes near Gateway Road had most or all of their roofs removed. Tree damage was significant along this area .				
The tornado then continued north-northeast through the west side of Ardmore especially near Plainview Road . Many homes suffered significant roof damage. Ardmore emergency management reported that 52 homes were damaged with 17 of them a total loss. The tornado moved near a Best Buy distribution center on the northwest side of Ardmore blowing over numerous trailers .				
Continuing north-northeast, the tornado continued producing tree and power pole damage, and EF2 roof damage to another home near Lake Ardmore road . The tornado crossed Interstate 35 just east of Ardmore Club Lake and turned more northeast before dissipating near US Highway 77 north of Deer Creek Road.				

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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**OKLAHOMA COUNTY --- 1.8 E (TIK)TINKER AFB [35.41, -97.36], 1.2 ENE CHOCTAW [35.49, -97.25]**

04/27/24 20:45 CST			0.30M	Tornado (EF1, L: 8.50 mi , W: 150 yd)
04/27/24 20:56 CST			0	Source: NWS Storm Survey

The initial damage was noted along Berryman Road (west of Post Road) south of Southeast 44th Street in southeast Oklahoma City. The tornado then moved northeast through southeast Midwest City and into Choctaw dissipating just northeast of US-62 (Northeast 23rd Street) and Indian Meridian Road. A number of houses and a church had roof damage along the path and a number of trees were downed.

**POTTAWATOMIE COUNTY --- 0.8 W DALE [35.39, -97.06]**

04/27/24 20:58 CST			0	Hail (0.75 in)
04/27/24 20:58 CST			0	Source: Public

MPing report.

**PONTOTOC COUNTY --- 6.1 SE FRANCIS [34.80, -96.52], 5.3 SE FRANCIS [34.83, -96.52]**

04/27/24 21:15 CST			10K	Tornado (EF1, L: 1.50 mi , W: 30 yd)
04/27/24 21:17 CST			0	Source: Emergency Manager

Emergency Management spotters reported a tornado near State Highway 1 between Happyland and Steedman. A barn was damaged just north of Highway 1 and trees were damaged along the path. The tornado moved north for about a mile and a half.

**LINCOLN COUNTY --- 3.2 NNW SPARKS [35.65, -96.84], 0.7 ESE KENDRICK [35.79, -96.76]**

04/27/24 21:16 CST			30K	Tornado (EF1, L: 10.35 mi , W: 250 yd)
04/27/24 21:29 CST			0	Source: NWS Storm Survey

Initial damage from this tornado was observed along County Road S3460 between E930 and E940 Roads where a barn was blown over and numerous trees were broken. The tornado moved northeast crossing Route 66 a couple of miles west of Davenport and dissipated near County Road S3510 just north of E850 Road about a mile east of Kendrick. Another barn was heavily damaged south of Kendrick, otherwise the tornado produced primarily tree damage along the path.

**MURRAY COUNTY --- 2.8 SSW SULPHUR [34.47, -96.99], 3.4 NW HICKORY [34.59, -96.90]**

04/27/24 21:23 CST	1		10M	Tornado (EF3, L: 9.63 mi , W: 440 yd)
04/27/24 21:36 CST	30		0	Source: NWS Storm Survey

The Sulphur tornado initially developed in the Chickasaw National Recreation Area to the southwest of Sulphur and produced tree damage as well as damage to one building in the northeast section of the park as the tornado approached Sulphur. The tornado moved into the southern part of Sulphur causing significant damage to a number of homes on Tishomingo Avenue adjacent to the Chickasaw NRA .

The tornado moved northeast through downtown Sulphur destroying or causing extensive damage to numerous businesses and buildings downtown. Many people were trapped and one woman was killed when a building housing a sports lounge collapsed downtown on this Saturday night. Damage was rated EF3 to numerous buildings downtown, as well as to some homes and buildings in neighborhoods across northeast Sulphur as the tornado continues to move northeast through town.

The tornado continued northeast out of Sulphur and damaged another home along Palmer Road in northeastern Murray County. Tree damage was also observed on the county line as the tornado moved from Murray County into Pontotoc County.

Direct Fatalities: F63BU

**HUGHES COUNTY --- 0.6 S SPAULDING [35.00, -96.44], 7.8 WNW WETUMKA [35.29, -96.36]**

04/27/24 21:36 CST	2		1.50M	Tornado (EF3, L: 20.50 mi , W: 1760 yd)
04/27/24 22:04 CST	4		0	Source: NWS Storm Survey

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>The Spaulding-Holdenville Tornado developed along County Road N369 in the south side of the town of Spaulding and moved north through Spaulding causing roof damage to a few homes and damaging some outbuildings, metal buildings and trees. The damage in and near Spaulding was primarily EF1 damage.</p> <p>The tornado became wider as it moved north-northeast from Spaulding becoming almost two-thirds of a mile wide as it crossed County Road E135 and a mile wide as it moved north of County Road E134. Most of the damage west of Holdenville was between Spaulding Road and County Road N369 missing the most populated part of Holdenville to the west and the missing the Davis Correctional Facility to the east. The tornado continued producing roof damage to homes as well as damage to outbuildings, metal buildings, trees and power poles.</p> <p>The tornado was still about one mile in width as it moved north-northeast crossing US Highway 270 and County Road E132, but the intensity increased from EF1 to EF3 as it approached County Road E131. Multiple mobile homes were completely destroyed in this area. Two fatalities occurred in mobile homes here where a 35 year old man was killed in one mobile home and a 4 month old girl was killed in another.</p> <p>Although the tornado moved through less densely populated areas of Hughes County continued moving north-northeast through less densely populated areas of Hughes County, it still produced significant roof damage to homes and destroyed mobile homes as it continued moving north-northeast, especially along State Highway 48 north of Holdenville, County Road E125 just east of State Highway 48, and E120 Road where EF2 damage was observed in each of these areas. The tornado then crossed E 119 Road into Okfuskee County. See the Eastern Oklahoma entry from NWS Tulsa for the continuation of this tornado.</p>				

Direct Fatalities: M35MH, F0MH

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### PONTOTOC COUNTY --- 4.5 SW ROFF [34.59, -96.90], 4.3 WSW ROFF [34.60, -96.90]

04/27/24 21:36 CST	5K	Tornado (EF1, L: 0.28 mi , W: 50 yd)
04/27/24 21:37 CST	0	Source: NWS Storm Survey

The Sulphur Tornado moved into Pontotoc County from Murray County . A number of trees were damaged near the county line before the tornado quickly dissipated.

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### PONTOTOC COUNTY --- 4.3 W ROFF [34.62, -96.92], 4.0 SSE VANOSS [34.71, -96.83]

04/27/24 21:37 CST	0.25M	Tornado (EF1, L: 8.40 mi , W: 500 yd)
04/27/24 21:54 CST	0	Source: NWS Storm Survey

After the Sulphur tornado dissipated, the storm produced another tornado in western Pontotoc County from west of Roff north and then northeast before it dissipated northwest of Fitzhugh. At least two mobile homes were rolled off of their foundation and at least one barn had roof damage . Trees and power poles were also damaged by this tornado along this path.

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### CARTER COUNTY --- 3.7 NE ARDMORE [34.21, -97.10], 4.2 NE ARDMORE [34.22, -97.10]

04/27/24 21:45 CST	0	Tornado (EF0, L: 0.50 mi , W: 30 yd)
04/27/24 21:46 CST	0	Source: NWS Storm Survey

A brief tornado produced some light tree damage about 4 miles northeast of Ardmore.

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### PONTOTOC COUNTY --- 2.4 N BYNG [34.89, -96.68], 1.5 SSW BYNG [34.84, -96.68], 2.6 SE BYNG [34.84, -96.63], 2.9 NW FRANCIS [34.89, -96.63]

04/27/24 22:00 CST	0	Flash Flood (due to Heavy Rain)
04/28/24 03:00 CST	0	Source: Emergency Manager

Flash flooding, with multiple vehicles stranded in floodwaters, reported in/around the community of Byng. Event time is approximate.

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### PONTOTOC COUNTY --- 3.1 NW ADA [34.80, -96.72], 3.2 SW ADA [34.74, -96.72], 4.2 ESE ADA [34.74, -96.62], 4.1 ENE ADA [34.80, -96.62]

04/27/24 22:00 CST	0	Flash Flood (due to Heavy Rain)
04/28/24 03:00 CST	0	Source: Public

Social media video showing significant roadway flooding in the community of Ada . Water flowing, with an estimated depth of 6-12 inches. Additional emergency management confirmations of flooding throughout the community. Event time is approximate.

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### PONTOTOC COUNTY --- 6.3 WNW ROFF [34.68, -96.93], 5.8 WSW ROFF [34.59, -96.93], 2.6 SSE ROFF [34.59, -96.83], 8.6 S ROFF [34.51, -96.83], 7.7 SSW FITTSTOWN [34.51, -96.68], 5.2 E FITZHUGH [34.68, -96.68]

04/27/24 22:00 CST	0	Flash Flood (due to Heavy Rain)
04/28/24 04:00 CST	0	Source: Emergency Manager

Multiple roadways washed out and closed across southwest Pontotoc County due to flash flooding. Event time is approximate.

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### MURRAY COUNTY --- 4.5 E DOUGHERTY [34.39, -96.97], 5.6 SE SULPHUR [34.45, -96.91]

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/27/24 22:07 CST		0.20M	Tornado (EF1, L: 5.90 mi , W: 250 yd)
	04/27/24 22:18 CST		0	Source: NWS Storm Survey

This tornado developed about 1 miles west-southwest of Drake, or about 4.5 miles east of Dougherty. It moved erratically northeast and crossed US Highway 77 about a mile and half north of Drake. Near US-77, it caused roof damage to one home and blew out windows in another. Some metal buildings were also damaged in this area. Otherwise the damage was primarily to trees with some large trees snapped along the path.

### LOVE COUNTY --- 2.2 SW MARIETTA [33.91, -97.14], 3.0 NNE LAKE MURRAY DAM [34.07, -97.04]

	04/27/24 22:08 CST	1	0.15B	Tornado (EF4, L: 12.50 mi , W: 900 yd)
	04/27/24 22:23 CST	6	0	Source: NWS Storm Survey

The Marietta-Lake Murray-Dickson tornado first produced damage near Peanut Road south of Indian Trails Road about two miles southwest of downtown Marietta. Trees and power poles were damaged near the beginning of the path and a house received some shingle damage . EF2 damage was observed as the tornado moved north-northeast and crossed Indian Trails Road where a home was unroofed and many trees were snapped .

As the tornado turned more northeast, it struck a Dollar Tree Distribution Center just west of Interstate 35 on the west side of Marietta causing significant roof and exterior wall damage to the facility. The company reported that the building and the inventory were not salvageable. A fatality occurred as the tornado crossed Interstate 35 just northeast of the distribution center and south of State Highway 32 as a southbound semi truck was overturned by the tornado. The driver was injured and the passenger was killed.

Just east of Interstate 35 along State Highway 32, the tornado destroyed a Dollar General store and a Homeland Grocery Store. NWS surveyors in coordination with a wind engineer rated the destruction of these two buildings as EF4. In this area, the tornado also caused significant damage to a truck stop, hospital and nursing home. The tornado continued north-northeast through the northwestern sections of Marietta continuing to produce tree, roof and power pole damage although damage intensity was not as strong as near State Highway 32.

After moving out of Marietta, the tornado turned northeast again snapping numerous trees and damaging a barn as it approached Lake Murray. The tornado crossed the southeastern portion of Lake Murray near the dam. It severely damaged a mobile home, destroyed a barn and snapped more trees after crossing the lake. The tornado then moved into Carter County near Scott Road.

Direct Fatalities: M53VE

### MURRAY COUNTY --- 1.6 SE DOUGHERTY [34.38, -97.03], 3.2 NE DOUGHERTY [34.43, -97.00]

	04/27/24 22:21 CST		2K	Tornado (EF1, L: 3.50 mi , W: 100 yd)
	04/27/24 22:27 CST		0	Source: NWS Storm Survey

A tornado developed southeast of Dougherty and moved north -northeast likely dissipating as a waterspout over the southeast portion of Lake Of The Arbuckles. Tree damage was noted both along Big Canyon Road southeast of Dougherty near the beginning of the path , and along Goddard Youth Camp Road in the southern portion of the Chickasaw National Recreation area just south of Lake Of The Arbuckles .

### CARTER COUNTY --- 8.7 SSW DICKSON [34.07, -97.04], 3.8 SE (ADM)ARDMORE APT [34.27, -96.97]

	04/27/24 22:23 CST		1M	Tornado (EF2, L: 14.30 mi , W: 900 yd)
	04/27/24 22:43 CST		0	Source: NWS Storm Survey

The Marietta-Lake Murray-Dickson Tornado moved from Love County into Carter County near Scott Road just east of Lake Murray . The tornado destroyed one mobile home, heavily damaged another and damaged many trees and power poles between the county line and where it crossed US Highway 70. The tornado turned north-northeast destroying one mobile home and damaging at least two others as it approached the town of Dickson. North of Dickson, at least one other home had significant roof damage and another mobile home was rolled in addition to continued tree and power pole damage. The tornado finally dissipated near US Highway 177 near the community of Baum.

### MURRAY COUNTY --- 4.2 W HICKORY [34.56, -96.93], 2.7 NE SULPHUR [34.53, -96.93], 2.8 NE SULPHUR [34.53, -96.93], 4.1 W HICKORY [34.56, -96.93]

	04/27/24 22:30 CST		0	Flash Flood (due to Heavy Rain)
	04/28/24 04:00 CST		0	Source: NWS Storm Survey

National Weather Service Meteorologists , in the process of conducting tornado damage surveys on April 28th, observed a portion of Koller Road washed out due to flooding from the previous evening. Event time is approximate.

### PONTOTOC COUNTY --- 0.7 NW ROFF [34.64, -96.85], 0.9 SW ROFF [34.62, -96.85], 0.9 SE ROFF [34.62, -96.83], 0.7 NE ROFF [34.64, -96.83]

	04/27/24 23:00 CST		0	Flash Flood (due to Heavy Rain)
	04/28/24 04:00 CST		0	Source: Emergency Manager

Flash flooding reported in and around the community of Roff, with at least one water rescue. Event time is approximate.

### JOHNSTON COUNTY --- 6.8 W TROY [34.31, -96.90], 6.2 W TROY [34.33, -96.89]



## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/27/24 23:22 CST		0	Tornado (EFU, L: 1.10 mi , W: 200 yd)
	04/27/24 23:25 CST		0	Source: Fire Department/Rescue

A tornado was observed by Mannsville Fire Department spotters and a storm chaser southwest of Mill Creek and north of Mannsville . No damage was reported and the location of this tornado is estimated.

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### PONTOTOC COUNTY --- 3.9 N FITTSTOWN [34.67, -96.64], 2.0 NNW FITTSTOWN [34.64, -96.64], 1.8 N FITTSTOWN [34.64, -96.63], 3.8 N FITTSTOWN [34.67, -96.63]

04/27/24 23:30 CST	0	Flash Flood (due to Heavy Rain)
04/28/24 04:30 CST	0	Source: Emergency Manager

Roadway flooding across a portion of U.S. Highway 377 north of the community of Fittstown. At least one vehicle stranded. Event time is approximate.

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### JOHNSTON COUNTY --- 2.7 NNW MILL CREEK [34.43, -96.85], 2.3 SW MILL CREEK [34.38, -96.85], 2.3 SE MILL CREEK [34.38, -96.79], 2.8 NNE MILL CREEK [34.43, -96.79]

04/28/24 00:00 CST	0	Flash Flood (due to Heavy Rain)
04/28/24 05:00 CST	0	Source: Emergency Manager

Roadway flooding along Oklahoma Highway 1 near the community of Mill Creek. Event time is approximate.

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### JOHNSTON COUNTY --- 3.4 W MANNSVILLE [34.19, -96.94], 3.4 W MANNSVILLE [34.19, -96.94], 2.4 W MANNSVILLE [34.19, -96.92], 2.4 W MANNSVILLE [34.19, -96.92]

04/28/24 00:00 CST	0	Flash Flood (due to Heavy Rain)
04/28/24 04:00 CST	0	Source: Emergency Manager

Heavy rainfall caused Wolf Creek to rise out of its banks, flooding a portion of Old Highway 70, west of Mannsville. Water entered at least residence along Old Highway 70. Event time is approximate.

**A widespread, long-duration and historic severe weather and tornado outbreak occurred from the late morning through late evening on the 27th. In all, 32 tornadoes affected portions of the WFO Norman Forecast Area, the third most in a single day during the period of reliable record. This included six significant (EF-2+) tornadoes and one violent (EF-4) tornado that struck Marietta (Love County).**

Synoptically, a slow-moving and deep mid/upper-level wave progressed across the Four Corners region during the day. At the surface, an area of low-pressure strengthened/deepened across southwest Kansas, with a trailing dryline extending near and just west of the 100th meridian through much of the day. As ascent overspread this feature, numerous (organized) severe thunderstorms developed across the WFO Norman Forecast Area, even by as early as daybreak/early morning hours. The boundary layer was characterized by strong instability and wind shear, favorable for an organized/supercell storm mode. Initial supercells across western Oklahoma produced a few reports of large hail and the first (brief) tornadoes of the event just after 10 AM. Supercell storm development continued across portions of the area, focusing along an axis from western-north Texas into north-central Oklahoma through much of the afternoon. The first significant (EF-2) tornado of the event impacted the eastern edge of Knox City (Knox County, Texas) just after 3 PM. Through the evening, a quasi-linear convective system (QLCS) organized and swept across much of southern/central Oklahoma and adjacent north Texas. Numerous mesovortex-type tornadoes developed and impacted the aforementioned areas. Ahead of the main convective line, strong warm air advection, driven by an increasing (45-60 knot) low-level jet, promoted the development of pre-frontal/line supercell thunderstorms. Multiple of these storms became strongly tornadic, producing multiple strong and long-tracking tornadoes. This included an EF-2 tornado impacting the western portions of Ardmore, an EF-3 tornado making a direct impact on the historic downtown district and adjacent neighborhoods in Sulphur, an EF-3 tornado traversing western portions of Hughes County, just west of Holdenville, and an EF-4 tornado destroying a Dollar Tree distribution center and nearby large retail stores on the western side of Marietta. The latter three tornadoes resulted in fatalities (1 in Sulphur, 2 near Holdenville and 1 in Marietta) along with additional injuries.

Beyond severe weather outcomes, a significant flash flooding event occurred from the late evening of the 27th through mid-morning of the 28th. The corridor of highest rainfall, with observed 24-hour totals of 5-to-8 inches, occurred across portions of south-central into southeast Oklahoma, on the heels of a cluster of significant tornado impacts earlier in the evening. Additional flooding occurred across far northern Oklahoma (Kay County) during the evening of the 27th.

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### CANADIAN COUNTY --- 5.2 ESE EL RENO [35.49, -97.88]

04/28/24 18:18 CST	0	Hail (0.75 in)
04/28/24 18:18 CST	0	Source: Public

MPing report.

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### LOGAN COUNTY --- 4.4 S NAVINA [35.74, -97.55]

04/28/24 19:22 CST	0	Hail (0.75 in)
04/28/24 19:22 CST	0	Source: Public

## Storm Data and Unusual Weather Phenomena - April 2024

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

While the main 'piece' of an impactful upper wave lifted into the Northern Plains, a trailing cold front and highly unstable boundary layer fostered the development of a few thunderstorms during the evening of the 28th. While deep-layer wind shear was marginally sufficient (objective analysis showing ~30 knots), a few storms became transiently organized and produced a few reports of small hail.

**(OK-Z004) HARPER, (OK-Z005) WOODS, (OK-Z006) ALFALFA, (OK-Z007) GRANT**

04/30/24 07:00 CST	0	Drought
04/30/24 23:59 CST	0	

Despite heavy rain/storms across portions of the WFO Norman forecast area, below normal monthly precipitation across far northwest Oklahoma fostered the emerge of severe drought by the middle to end of the month.

**DEWEY COUNTY --- 0.5 WNW FAY [35.81, -98.67]**

04/30/24 14:45 CST	0	Hail (0.75 in)
04/30/24 14:45 CST	0	Source: Public

MPing report.

**DEWEY COUNTY --- 2.5 N FAY [35.84, -98.67]**

04/30/24 14:55 CST	0	Hail (1.25 in)
04/30/24 14:55 CST	0	Source: Public

MPing report.

**GREER COUNTY --- 0.7 E GRANITE [34.96, -99.37]**

04/30/24 15:19 CST	0	Hail (0.88 in)
04/30/24 15:19 CST	0	Source: Trained Spotter

Relayed through Spotter Network.

**KIOWA COUNTY --- 4.7 WSW LONE WOLF [34.96, -99.33]**

04/30/24 15:22 CST	0	Hail (1.00 in)
04/30/24 15:22 CST	0	Source: Public

**KIOWA COUNTY --- 4.8 WSW LONE WOLF [34.97, -99.33]**

04/30/24 15:23 CST	0	Hail (1.25 in)
04/30/24 15:23 CST	0	Source: Public

MPing report.

**KIOWA COUNTY --- 4.7 WSW LONE WOLF [34.96, -99.33]**

04/30/24 15:27 CST	0	Hail (1.50 in)
04/30/24 15:27 CST	0	Source: Public

**GREER COUNTY --- 5.2 N GRANITE [35.04, -99.38]**

04/30/24 15:35 CST	0	Hail (1.50 in)
04/30/24 15:35 CST	0	Source: Emergency Manager

Relayed image. Time is radar estimated.

**MAJOR COUNTY --- RINGWOOD [36.38, -98.25]**

04/30/24 15:35 CST	0	Hail (0.88 in)
04/30/24 15:35 CST	0	Source: Emergency Manager

**GARFIELD COUNTY --- KREMLIN [36.55, -97.83]**

04/30/24 16:11 CST	0	Hail (1.00 in)
04/30/24 16:11 CST	0	Source: Emergency Manager

Relayed image.

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BLAINE COUNTY --- 5.4 SSW EAGLE CITY [35.86, -98.62]</b>				
	04/30/24 16:19 CST		0	Hail (1.75 in)
	04/30/24 16:19 CST		0	Source: Public
MPing report.				
<b>WASHITA COUNTY --- 0.2 ENE CORDELL [35.29, -98.99]</b>				
	04/30/24 16:21 CST		0	Hail (1.00 in)
	04/30/24 16:21 CST		0	Source: Public
MPing report.				
<b>CUSTER COUNTY --- 6.8 N WEATHERFORD [35.63, -98.69]</b>				
	04/30/24 16:24 CST		0	Hail (1.00 in)
	04/30/24 16:24 CST		0	Source: Public
MPing report.				
<b>WASHITA COUNTY --- 1.9 S CORDELL [35.26, -98.99]</b>				
	04/30/24 16:25 CST		0	Hail (1.75 in)
	04/30/24 16:25 CST		0	Source: Public
MPing report.				
<b>CUSTER COUNTY --- 0.6 S THOMAS [35.74, -98.75]</b>				
	04/30/24 16:28 CST		0	Hail (0.75 in)
	04/30/24 16:28 CST		0	Source: Public
MPing report.				
<b>KIOWA COUNTY --- 0.4 ESE HOBART [35.03, -99.09]</b>				
	04/30/24 16:29 CST		0	Hail (0.75 in)
	04/30/24 16:29 CST		0	Source: Public
MPing report.				
<b>WASHITA COUNTY --- 2.0 SSW CORDELL [35.26, -99.00]</b>				
	04/30/24 16:31 CST		0	Hail (2.50 in)
	04/30/24 16:31 CST		0	Source: Public
MPing report.				
<b>WASHITA COUNTY --- 1.0 S CORDELL [35.28, -98.99], 1.6 NNE CORDELL [35.31, -98.98]</b>				
	04/30/24 16:32 CST		0.25M	Tornado (EF1, L: 2.53 mi , W: 200 yd)
	04/30/24 16:39 CST		0	Source: NWS Storm Survey
<p>The Cordell Tornado developed about a mile south of Cordell along County Road E 1200 just west of US Highway 183. A couple of metal buildings were damaged along E1200 Road along with trees and power lines. Debris from these buildings were found about 300 yards north. The tornado moved north and northeast into Cordell near US-183 and Caddo Street and moving across the southern and eastern portions of Cordell causing roof damage for dozens of homes and a few businesses. The tornado dissipated soon after moving through a neighborhood on the northeast edge of Cordell.</p>				
<b>WASHITA COUNTY --- 5.0 W CLOUD CHIEF [35.24, -98.93]</b>				
	04/30/24 16:40 CST		0	Hail (3.50 in)
	04/30/24 16:40 CST		0	Source: Trained Spotter
Social media image with ruler measurement.				
<b>WASHITA COUNTY --- 4.1 WSW CLOUD CHIEF [35.22, -98.90]</b>				
	04/30/24 16:44 CST		0	Hail (3.00 in)
	04/30/24 16:44 CST		0	Source: Broadcast Media

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BLAINE COUNTY --- 4.1 S EAGLE CITY [35.87, -98.59]</b>				
	04/30/24 16:45 CST	0		Hail (4.40 in)
	04/30/24 16:45 CST	0		Source: Trained Spotter
Digital caliper measurement. Time is radar estimated.				
<b>BLAINE COUNTY --- 5.5 S EAGLE CITY [35.85, -98.59]</b>				
	04/30/24 16:45 CST	0		Hail (3.73 in)
	04/30/24 16:45 CST	0		Source: Trained Spotter
Digital caliper measurement. Time is radar estimated.				
<b>KIOWA COUNTY --- 0.4 ESE HOBART [35.03, -99.09]</b>				
	04/30/24 16:48 CST	0		Hail (1.25 in)
	04/30/24 16:48 CST	0		Source: Public
MPing report.				
<b>TILLMAN COUNTY --- MANITOU [34.51, -98.98]</b>				
	04/30/24 18:19 CST	0		Hail (1.00 in)
	04/30/24 18:19 CST	0		Source: Fire Department/Rescue
Relayed by emergency management.				
<b>TILLMAN COUNTY --- 4.0 ESE TIPTON [34.48, -99.08], 2.0 E TIPTON [34.50, -99.10]</b>				
	04/30/24 18:25 CST	0		Tornado (EFU, L: 2.40 mi , W: 50 yd)
	04/30/24 18:39 CST	0		Source: Storm Chaser
A storm chaser reported a tornado east-southeast of Tipton. No damage is known to have occurred. Based on the storm chaser report and radar data, the tornado is estimated to have moved northwest from approximately 4 miles east-southeast of Tipton to approximately 2 miles east of Tipton.				
<b>KIOWA COUNTY --- 3.0 SSE COOPERTON [34.83, -98.85]</b>				
	04/30/24 18:35 CST	0		Tornado (EF0, L: 0.50 mi , W: 100 yd)
	04/30/24 18:35 CST	0		Source: Trained Spotter
A number of storm spotters and storm chasers observed a tornado estimated to be 3 miles south-southeast of Cooperton. With the location of the tornado relative to the storm, this tornado appeared to have been a landspout-type tornado. No damage was observed, but the rotation of the winds of the tornado were observed to be weak.				
<b>KIOWA COUNTY --- 8.0 NE COOPERTON [34.95, -98.77]</b>				
	04/30/24 18:58 CST	0		Hail (1.90 in)
	04/30/24 18:58 CST	0		Source: Trained Spotter
Phone call report.				
<b>TILLMAN COUNTY --- 1.8 NW FREDERICK [34.41, -99.05]</b>				
	04/30/24 19:05 CST	0		Hail (0.75 in)
	04/30/24 19:05 CST	0		Source: Public
MPing report.				
<b>TILLMAN COUNTY --- 0.6 ESE FREDERICK [34.39, -99.01]</b>				
	04/30/24 19:06 CST	0		Hail (0.75 in)
	04/30/24 19:06 CST	0		Source: Public
MPing report.				
<b>TILLMAN COUNTY --- 1.1 NE FREDERICK [34.40, -99.01]</b>				
	04/30/24 19:08 CST	0		Hail (1.00 in)
	04/30/24 19:08 CST	0		Source: Public
MPing report.				

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>TILLMAN COUNTY --- 1.4 W FREDERICK [34.39, -99.05]</b>				
	04/30/24 19:08 CST		0	Hail (1.00 in)
	04/30/24 19:08 CST		0	Source: Emergency Manager
<b>TILLMAN COUNTY --- FREDERICK [34.39, -99.02]</b>				
	04/30/24 19:08 CST		0	Hail (1.50 in)
	04/30/24 19:08 CST		0	Source: Emergency Manager
Relayed image along with multiple additional confirmations.				
<b>TILLMAN COUNTY --- FREDERICK [34.39, -99.02]</b>				
	04/30/24 19:20 CST		0	Hail (2.00 in)
	04/30/24 19:20 CST		0	Source: Trained Spotter
Social media image. Multiple additional confirmations nearby in time/space.				
<b>TILLMAN COUNTY --- 2.5 W FREDERICK [34.39, -99.06]</b>				
	04/30/24 19:22 CST		0	Hail (1.00 in)
	04/30/24 19:22 CST		0	Source: Public
MPing report.				
<b>GRANT COUNTY --- 0.2 NW MEDFORD [36.81, -97.73]</b>				
	04/30/24 19:30 CST		2K	Thunderstorm Wind (EG 61 kt)
	04/30/24 19:30 CST		0	Source: Public
Social media image showing a power pole snapped. Relayed by broadcast media. Time is radar estimated.				
<b>GRANT COUNTY --- 1.5 SW MEDFORD [36.79, -97.75]</b>				
	04/30/24 19:35 CST		0	Thunderstorm Wind (MG 57 kt)
	04/30/24 19:35 CST		0	Source: Mesonet
Medford (MEDF) Mesonet observation.				
<b>COMANCHE COUNTY --- 0.9 NE ELGIN [34.79, -98.28]</b>				
	04/30/24 19:37 CST		0	Hail (0.75 in)
	04/30/24 19:37 CST		0	Source: Public
MPing report.				
<b>JACKSON COUNTY --- 2.6 SE BLAIR [34.75, -99.30]</b>				
	04/30/24 19:45 CST		0	Hail (1.75 in)
	04/30/24 19:45 CST		0	Source: Public
MPing report.				
<b>TILLMAN COUNTY --- MANITOU [34.51, -98.98]</b>				
	04/30/24 19:56 CST		0	Hail (1.75 in)
	04/30/24 19:56 CST		0	Source: Emergency Manager
<b>COMANCHE COUNTY --- 2.5 N LAKE ELLSWORTH DAM [34.83, -98.38]</b>				
	04/30/24 20:07 CST		0	Hail (0.75 in)
	04/30/24 20:07 CST		0	Source: Public
MPing report.				
<b>KAY COUNTY --- 2.8 WSW KILDARE [36.80, -97.10]</b>				
	04/30/24 20:28 CST		0	Hail (1.25 in)
	04/30/24 20:28 CST		0	Source: Public

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MPing report. Based on radar evidence, hailfall likely occurred prior (2020-2025 LST) to report time.				
<b>TILLMAN COUNTY --- 1.1 NW FREDERICK ARPT [34.36, -99.00]</b>				
	04/30/24 20:30 CST		20K	Thunderstorm Wind (EG 61 kt)
	04/30/24 20:30 CST		0	Source: Emergency Manager
Sections of the roof of an airport hangar peeled back by thunderstorm wind. Time is radar estimated.				
<b>TILLMAN COUNTY --- 2.6 NE HOLLISTER [34.36, -98.83], 4.9 NE HOLLISTER [34.38, -98.80]</b>				
	04/30/24 20:32 CST		50K	Tornado (EF1, L: 6.40 mi , W: 1200 yd)
	04/30/24 21:12 CST		0	Source: NWS Storm Survey
This tornado was first observed by a storm chaser at 932 pm CDT and likely formed near County Road E1830 just east of County Road N2320. Over the next 40 minutes, the tornado meandered slowly eastward along E1830 Road then turned northeast reaching near N2360 Road and E1820 Road. The tornado then turned and moved west-northwest along EW1820 Road finally dissipating near N2340 Road. The tornado occurred in a very rural area of Tillman County, although two farm homes were damaged near the easternmost point of the tornado path. A few barns were also damaged, otherwise the damage was primarily to trees and a few power poles.				
Although the damage is rated as EF1, velocity data from the nearby KFDR radar gives strong indication that the tornado may have been much stronger than observed damage would indicate. The maximum observed rotational velocity from KFDR reached 114 knots.				
<b>TILLMAN COUNTY --- 0.4 SSW FREDERICK ARPT [34.34, -98.98]</b>				
	04/30/24 20:33 CST		0	Thunderstorm Wind (MG 55 kt)
	04/30/24 20:33 CST		0	Source: ASOS
Frederick Municipal Airport (KFDR) observation.				
<b>TILLMAN COUNTY --- 0.6 N HOLLISTER [34.35, -98.87]</b>				
	04/30/24 20:35 CST		10K	Thunderstorm Wind (EG 61 kt)
	04/30/24 20:35 CST		0	Source: County Official
Five power poles blown down near the intersection of East County Road 1840 and Oklahoma State Highway 54. Relayed by emergency management. Time is radar estimated.				
<b>TILLMAN COUNTY --- 3.5 NE FREDERICK ARPT [34.39, -98.95]</b>				
	04/30/24 20:39 CST		0	Hail (1.00 in)
	04/30/24 20:39 CST		0	Source: Public
MPing report.				
<b>KAY COUNTY --- 5.8 SW KAW CITY [36.71, -96.94]</b>				
	04/30/24 20:45 CST		0	Hail (1.75 in)
	04/30/24 20:45 CST		0	Source: Broadcast Media
Social media report.				
<b>COMANCHE COUNTY --- 0.7 NW CACHE [34.64, -98.64], 0.7 SW CACHE [34.62, -98.64], 1.0 ESE CACHE [34.62, -98.61], 1.0 ENE CACHE [34.64, -98.61]</b>				
	04/30/24 21:00 CST		0	Flash Flood (due to Heavy Rain)
	04/30/24 23:59 CST		0	Source: Law Enforcement
Multiple law enforcement and emergency management confirmations of roadway flooding in and around the community of Cache. Event time is approximate.				
<b>TILLMAN COUNTY --- 0.9 N LOVELAND [34.31, -98.77]</b>				
	04/30/24 21:00 CST		10K	Thunderstorm Wind (EG 61 kt)
	04/30/24 21:00 CST		0	Source: Public
Thunderstorm wind damage to fences and trees, along with portions of a barn roof removed. Time is radar estimated.				
<b>TILLMAN COUNTY --- MANITOU [34.51, -98.98]</b>				
	04/30/24 21:15 CST		0	Hail (1.75 in)
	04/30/24 21:15 CST		0	Source: Emergency Manager

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>TILLMAN COUNTY --- 2.1 SSE LOVELAND [34.27, -98.75], 2.6 WNW GRANDFIELD [34.25, -98.73]</b>				
	04/30/24 21:18 CST		2K	Tornado (EF1, L: 2.15 mi , W: 200 yd)
	04/30/24 21:32 CST		0	Source: NWS Storm Survey
A strong anticyclonic tornado developed between Loveland and Grandfield near the intersection of county roads E 1890 and N2370 Roads. Trees were snapped near the beginning of the path, but no other damage was observed or accessible in this very rural area of Tillman County and the remainder of the path is estimated from differences in NDVI satellite imagery . As with the tornado northeast of Hollister, velocity data from nearby KFDR radar indicates that this tornado was likely stronger than the observed damage indicates with the rotational velocity observed from KFDR up to 71 knots.				
<b>TILLMAN COUNTY --- 3.6 N HOLLISTER [34.39, -98.86]</b>				
	04/30/24 21:32 CST		0	Hail (1.00 in)
	04/30/24 21:32 CST		0	Source: Public
MPing report.				
<b>KAY COUNTY --- 3.3 W WHITE EAGLE [36.60, -97.14]</b>				
	04/30/24 21:34 CST		0	Hail (2.75 in)
	04/30/24 21:34 CST		0	Source: Broadcast Media
Social media report. Hail size increased from golf ball to baseball size at this location between 2134-2138 LST.				
<b>TILLMAN COUNTY --- 4.0 NNW HOLLISTER [34.39, -98.90]</b>				
	04/30/24 21:41 CST		0	Hail (1.00 in)
	04/30/24 21:41 CST		0	Source: Public
MPing report.				
<b>TILLMAN COUNTY --- 3.1 WNW GRANDFIELD [34.24, -98.74]</b>				
	04/30/24 21:45 CST		0	Thunderstorm Wind (MG 50 kt)
	04/30/24 21:45 CST		0	Source: Mesonet
Grandfield (GRA2) Mesonet observation.				
<b>TILLMAN COUNTY --- 6.7 NE LOVELAND [34.38, -98.70], 5.3 NE LOVELAND [34.35, -98.70], 7.0 ENE LOVELAND [34.35, -98.66], 8.1 NE LOVELAND [34.38, -98.66]</b>				
	04/30/24 21:45 CST		0	Flash Flood (due to Heavy Rain)
	04/30/24 23:59 CST		0	Source: Law Enforcement
Roadway flooding along Oklahoma State Highway 5, near the Tillman and Cotton County line. Relayed by emergency management. Event time is approximate.				
<b>COTTON COUNTY --- 0.6 SE RANDLETT [34.17, -98.45]</b>				
	04/30/24 22:05 CST		5K	Thunderstorm Wind (EG 61 kt)
	04/30/24 22:05 CST		0	Source: Fire Department/Rescue
Power poles blown down near the intersection of U.S. Highways 70 and 277. Relayed by emergency management. Time is radar estimated.				
<b>TILLMAN COUNTY --- 3.1 WNW GRANDFIELD [34.24, -98.74]</b>				
	04/30/24 22:10 CST		0	Thunderstorm Wind (MG 51 kt)
	04/30/24 22:10 CST		0	Source: Mesonet
Grandfield (GRA2) Mesonet observation.				
<b>JEFFERSON COUNTY --- 1.0 N RINGLING [34.19, -97.59]</b>				
	04/30/24 23:00 CST		0	Thunderstorm Wind (MG 54 kt)
	04/30/24 23:00 CST		0	Source: Mesonet
Ringling (RING) Mesonet observation.				

A rather nebulous upper air pattern existed across the Southern Plains on the 30th, with 30-40 knots of quasi-zonal flow at 500 mb. However, plentiful solar insolation/surface heating in the vicinity of a dryline fostered widely scattered thunderstorm development by the late afternoon. Strong instability and sufficient organizing wind shear lead to a few of these storms displaying supercellular

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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characteristics and producing reports of large hail initially, owing to steep lapse rates and weak low-level shear (among other factors already mentioned). By the mid-evening, as low-level shear and storm-scale interactions began to increase, a few tornadoes occurred across portions of south-central into southwest Oklahoma. The most significant of these was an EF-1 tornado near the community of Hollister (Tillman County).

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### TEXAS, Western North

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#### FOARD COUNTY --- THALIA [33.98, -99.54]

04/01/24 15:45 CST	0	Hail (1.50 in)
04/01/24 15:45 CST	0	Source: Public

A strong (90-100 knot) mid-level speed maximum, embedded within a broader longwave trough (at 500 mb), approached portions of the area during the afternoon into the evening on the 1st. As strong synoptic ascent overspread a boundary layer characterized by seasonable moisture (ahead of an approaching cold front), multiple rounds of convection developed and impacted portions of the WFO Norman Forecast Area. Despite strong instability and organizing wind shear, early-day clouds and areas of precipitation hampered destabilization in the boundary layer. This facilitated a predominately 'elevated' character of convection, with a few instances of large hail resulting from the strongest storms. The approaching cold front also acted to "undercut" established storms in its vicinity, limiting concern for tornadic outcomes (despite increasing low-level shear towards dusk).

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#### WICHITA COUNTY --- 3.8 S WICHITA FALLS [33.86, -98.48]

04/06/24 16:40 CST	0	Hail (0.75 in)
04/06/24 16:40 CST	0	Source: Public

MPing report.

A vigorous shortwave trough quickly moved into portions of the Central/Southern Plains during the day on the 6th. Hazardous weather occurred on both sides of an advancing Pacific front/dryline during the afternoon and evening hours. In the moist sector, widely scattered thunderstorm development occurred during the late afternoon. Despite strong deep-layer wind shear (as expected with a strong upper wave), limited instability proved hostile for sustained severe convection/outcomes. A few storms produced small hail across portions of western-north Texas.

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#### KNOX COUNTY --- 3.5 N KNOX CITY [33.47, -99.81]

04/08/24 20:30 CST	2K	Thunderstorm Wind (EG 52 kt)
04/08/24 20:30 CST	0	Source: Emergency Manager

Powerlines reported down along Texas Highway 6. Based on radar analysis, a probable downburst wind event ahead of a nearby thunderstorm. Time is radar estimated.

Broad southwesterly mid-level flow prevailed across the Southern Plains on the 8th. Widespread thunderstorm development occurred in the vicinity of a quasi-stationary boundary across west-central into north-central Texas during the evening hours. A few storms encroached on far southern portions of the WFO Norman Forecast Area, with a few instances of large hail and a downburst wind event occurring across portions of the Red River Valley.

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#### KNOX COUNTY --- 3.1 NW KNOX CITY [33.45, -99.86]

04/09/24 07:41 CST	0	Thunderstorm Wind (MG 68 kt)
04/09/24 07:41 CST	0	Source: Mesonet

Knox City (KNOX) Mesonet observation.

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#### WILBARGER COUNTY --- 3.9 ENE ODELL [34.37, -99.35]

04/09/24 19:57 CST	0	Thunderstorm Wind (MG 60 kt)
04/09/24 19:57 CST	0	Source: Mesonet

Odell (ODEL) Mesonet observation.

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#### WILBARGER COUNTY --- 3.9 ENE ODELL [34.37, -99.35]

04/09/24 19:58 CST	0	Thunderstorm Wind (MG 55 kt)
04/09/24 19:58 CST	0	Source: Mesonet

Odell (ODEL) Mesonet observation.

A round of prolonged and widespread convection occurred across portions of western-north Texas into far southwest Oklahoma on the



## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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9th. Early in the morning, semi-organized clusters of thunderstorms slid across portions of western-north Texas, producing reports/measured gusts of severe wind. Renewed convective development occurred later in the day, beneath the cold upper low, producing additional severe-caliber wind gusts/damage and a few reports of hail from the Red River into south-central Oklahoma.

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**HARDEMAN COUNTY --- 4.7 N COPPER BREAKS ST PK [34.18, -99.74]**

04/15/24 18:05 CST			0	Hail (1.75 in)
04/15/24 18:05 CST			0	Source: Public

MPing report.

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**HARDEMAN COUNTY --- 4.3 SE QUANAH [34.26, -99.68]**

04/15/24 18:10 CST			0	Hail (1.75 in)
04/15/24 18:10 CST			0	Source: Law Enforcement

Report relayed by emergency management.

A strong synoptic wave approached the region during the evening into overnight hours on the 15th. An initial round of convection (during the afternoon of the 15th) preceded the more prominent mid/upper trough. This activity was driven in part by warm-air advection processes and synoptic support from a phasing branch on the subtropical jet. Sufficient instability and organizing wind shear promoted organized (supercell) thunderstorms with a threat of large hail. Through the evening, despite continued strong wind shear and approaching (increasing) synoptic ascent, a prominent layer of warm air aloft ('cap') prevented robust storm development through sunset. Scattered convection did ultimately develop by the very late evening on the 15th. However, outside of a severe-caliber wind gust along the Oklahoma/Kansas border area, severe weather outcomes were limited until convection moved north of the WFO Norman area (into south-central Kansas).

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**HARDEMAN COUNTY --- 1.6 ESE GOODLETT [34.33, -99.86]**

04/27/24 11:49 CST			0	Hail (1.25 in)
04/27/24 11:49 CST			0	Source: Trained Spotter

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**KNOX COUNTY --- 5.8 ENE GILLILAND [33.76, -99.58]**

04/27/24 13:33 CST			0	Hail (1.50 in)
04/27/24 13:33 CST			0	Source: NWS Employee

Social media report.

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**KNOX COUNTY --- 5.0 W KNOX CITY [33.42, -99.91]**

04/27/24 13:47 CST			0	Hail (2.75 in)
04/27/24 13:47 CST			0	Source: Emergency Manager

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**KNOX COUNTY --- 1.3 S KNOX CITY [33.40, -99.82], 2.3 W RHINELAND [33.53, -99.69]**

04/27/24 14:06 CST		0.10M		Tornado (EF2, L: 12.30 mi , W: 1000 yd)
04/27/24 14:40 CST		0		Source: NWS Storm Survey

This tornado developed just southwest of Knox City and initially moved eastward across the south side of town, then turned northeast moving through the east side of town. A few houses suffered roof damage, and some sheds, outbuildings and trees were significantly damaged in Knox City. As the tornado continued to move northeast through rural Knox County, a few more farm houses had roof damage, barns were significantly damaged. A number of power poles along FM-2534 were broken. The tornado finally dissipated about 2 miles west of Rhineland.

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**KNOX COUNTY --- 3.1 NW KNOX CITY [33.45, -99.86]**

04/27/24 14:10 CST			0	Thunderstorm Wind (MG 51 kt)
04/27/24 14:10 CST			0	Source: Mesonet

Knox City (KNOX) Mesonet observation.

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**BAYLOR COUNTY --- 1.8 ENE RED SPRINGS [33.62, -99.38], 5.0 W LAKE KEMP DAM [33.76, -99.24]**

04/27/24 15:08 CST		0.10M		Tornado (EF1, L: 12.70 mi , W: 300 yd)
04/27/24 15:40 CST		0		Source: NWS Storm Survey

This tornado developed a couple of miles east of Red Springs in central Baylor County and moved northeast dissipating as a waterspout over Lake Kemp. Power poles were broken or pushed over along FM-1789 just south of FM-2069. Damage occurred to a silo and at least a couple of barns as well as a few trees along the path.

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BAYLOR COUNTY --- 1.0 E RED SPRINGS [33.61, -99.39]</b>				
	04/27/24 15:13 CST		0	Hail (1.00 in)
	04/27/24 15:13 CST		0	Source: Public
MPing report. Time is radar estimated.				
<b>BAYLOR COUNTY --- 5.0 NE RED SPRINGS [33.67, -99.36], 5.5 WNW SEYMOUR MUNI ARPT [33.67, -99.35]</b>				
	04/27/24 16:15 CST		0	Tornado (EFU, L: 0.60 mi , W: 20 yd)
	04/27/24 16:16 CST		0	Source: Public
While the large tornado was ongoing northwest of Seymour, security camera footage from a house on County Road 127 recorded another small tornado occurring about 2.5 miles northwest of the main tornado. No damage is known to have occurred in this rural area. The path of this tornado is estimated based on radar and the viewing angle of the video footage.				
<b>WICHITA COUNTY --- ELECTRA [34.03, -98.92]</b>				
	04/27/24 16:23 CST		0	Hail (1.50 in)
	04/27/24 16:23 CST		0	Source: Law Enforcement
Relayed by amateur radio.				
<b>KNOX COUNTY --- 0.6 SW KNOX CITY [33.41, -99.83], 1.2 ESE KNOX CITY [33.41, -99.80], 1.1 ENE KNOX CITY [33.42, -99.80], 0.4 NW KNOX CITY [33.42, -99.83]</b>				
	04/27/24 16:30 CST		20K	Flash Flood (due to Heavy Rain)
	04/27/24 22:00 CST		0	Source: Trained Spotter
Roads impassable in residential areas of Knox City due to flooding. Flooding also noted at the intersection of Texas State Highway 6 and 222. Event time is approximate.				
<b>KNOX COUNTY --- 0.3 SSE KNOX CITY [33.42, -99.82]</b>				
	04/27/24 16:34 CST		0	Hail (1.25 in)
	04/27/24 16:34 CST		0	Source: Public
MPing report.				
<b>WICHITA COUNTY --- 5.6 NW KADANE CORNER [33.91, -98.89]</b>				
	04/27/24 16:44 CST		0	Hail (1.00 in)
	04/27/24 16:44 CST		0	Source: Public
MPing report. Additional nearby confirmation from research meteorologists with the National Severe Storms Laboratory.				
<b>WICHITA COUNTY --- 5.6 NW KADANE CORNER [33.91, -98.89]</b>				
	04/27/24 16:47 CST		0	Hail (1.75 in)
	04/27/24 16:47 CST		0	Source: Public
MPing report.				
<b>KNOX COUNTY --- 0.8 S KNOX CITY [33.41, -99.82]</b>				
	04/27/24 16:55 CST		0	Hail (1.50 in)
	04/27/24 16:55 CST		0	Source: Public
MPing report.				
<b>WICHITA COUNTY --- 2.2 S ELECTRA [34.00, -98.92]</b>				
	04/27/24 17:14 CST		0	Hail (0.75 in)
	04/27/24 17:14 CST		0	Source: Public
MPing report.				
<b>WICHITA COUNTY --- 1.6 E ELECTRA [34.03, -98.89]</b>				
	04/27/24 17:15 CST		0	Hail (0.75 in)
	04/27/24 17:15 CST		0	Source: Public

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MPing report.				
<b>WICHITA COUNTY --- 7.1 NNW IOWA PARK [34.04, -98.73], 7.3 NNW IOWA PARK [34.05, -98.71]</b>				
	04/27/24 17:23 CST	0		Tornado (EF0, L: 1.50 mi , W: 30 yd)
	04/27/24 17:25 CST	0		Source: Other Federal Agency
A tornado was observed by research meteorologists with the National Severe Storms Laboratory and Texas Tech University northwest of Iowa Park . No significant damage was observed and the path is estimated.				
<b>WICHITA COUNTY --- 5.1 WNW BURKBURNETT [34.12, -98.64], 5.9 NW BURKBURNETT [34.16, -98.62]</b>				
	04/27/24 17:43 CST	2K		Tornado (EF0, L: 2.80 mi , W: 50 yd)
	04/27/24 17:49 CST	0		Source: NWS Storm Survey
A tornado was observed by storm chasers and research meteorologists . The tornado initially developed in northern Wichita County and damaged a couple of power poles along Thrift Road to the north-northwest of Burkburnett. The tornado moved east-northeast crossing the Red River into far southeastern Tillman County Oklahoma.				
<b>WICHITA COUNTY --- 1.4 S KAMAY [33.84, -98.81]</b>				
	04/27/24 17:51 CST	0		Hail (1.50 in)
	04/27/24 17:51 CST	0		Source: Public
MPing report. Time is radar estimated.				
<b>WICHITA COUNTY --- 5.9 WNW IOWA PARK [33.97, -98.77]</b>				
	04/27/24 17:52 CST	0		Hail (1.00 in)
	04/27/24 17:52 CST	0		Source: Trained Spotter
Relayed by amateur radio.				
<b>WICHITA COUNTY --- 5.9 WNW IOWA PARK [33.97, -98.77]</b>				
	04/27/24 18:04 CST	0		Hail (1.25 in)
	04/27/24 18:04 CST	0		Source: Trained Spotter
Relayed by amateur radio.				
<b>WICHITA COUNTY --- IOWA PARK [33.95, -98.67]</b>				
	04/27/24 18:09 CST	0		Hail (1.50 in)
	04/27/24 18:09 CST	0		Source: Amateur Radio
<b>WICHITA COUNTY --- 1.0 N IOWA PARK [33.96, -98.67]</b>				
	04/27/24 18:10 CST	0		Hail (1.25 in)
	04/27/24 18:10 CST	0		Source: Public
MPing report.				
<b>WICHITA COUNTY --- 1.8 WSW BURKBURNETT [34.08, -98.59]</b>				
	04/27/24 18:19 CST	0		Hail (1.00 in)
	04/27/24 18:19 CST	0		Source: Public
MPing report.				
<b>WICHITA COUNTY --- 2.7 S BURKBURNETT [34.05, -98.57]</b>				
	04/27/24 18:20 CST	0		Hail (0.75 in)
	04/27/24 18:20 CST	0		Source: Public
MPing report.				
<b>WICHITA COUNTY --- 5.9 WNW IOWA PARK [33.97, -98.77]</b>				
	04/27/24 19:04 CST	0		Hail (0.88 in)
	04/27/24 19:04 CST	0		Source: Amateur Radio

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>WICHITA COUNTY --- 5.9 WNW IOWA PARK [33.97, -98.77]</b>				
	04/27/24 19:08 CST		0	Hail (1.00 in)
	04/27/24 19:08 CST		0	Source: Trained Spotter
Relayed by amateur radio.				
<b>ARCHER COUNTY --- HOLLIDAY [33.82, -98.69]</b>				
	04/27/24 19:10 CST		0	Hail (0.88 in)
	04/27/24 19:10 CST		0	Source: Trained Spotter
Relayed by amateur radio.				
<b>WICHITA COUNTY --- IOWA PARK [33.95, -98.67]</b>				
	04/27/24 19:18 CST		0	Hail (1.75 in)
	04/27/24 19:18 CST		0	Source: Amateur Radio
<b>WICHITA COUNTY --- 2.7 S BURKBURNETT [34.05, -98.57]</b>				
	04/27/24 19:30 CST		0	Hail (0.75 in)
	04/27/24 19:30 CST		0	Source: Public
MPing report.				
<b>BAYLOR COUNTY --- SEYMOUR [33.59, -99.26]</b>				
	04/27/24 19:50 CST		0	Hail (1.00 in)
	04/27/24 19:50 CST		0	Source: Emergency Manager
<b>ARCHER COUNTY --- 0.4 WSW DUNDEE [33.74, -98.91]</b>				
	04/27/24 20:35 CST		0	Hail (0.75 in)
	04/27/24 20:35 CST		0	Source: Public
MPing report.				
<b>WICHITA COUNTY --- 3.6 S WICHITA FALLS [33.86, -98.49]</b>				
	04/27/24 21:42 CST		0	Hail (0.75 in)
	04/27/24 21:42 CST		0	Source: Public
MPing report.				

A widespread, long-duration and historic severe weather and tornado outbreak occurred from the late morning through late evening on the 27th. In all, 32 tornadoes affected portions of the WFO Norman Forecast Area, the third most in a single day during the period of reliable record. This included six significant (EF-2+) tornadoes and one violent (EF-4) tornado that struck Marietta (Love County).

Synoptically, a slow-moving and deep mid/upper-level wave progressed across the Four Corners region during the day. At the surface, an area of low-pressure strengthened/deepened across southwest Kansas, with a trailing dryline extending near and just west of the 100th meridian through much of the day. As ascent overspread this feature, numerous (organized) severe thunderstorms developed across the WFO Norman Forecast Area, even by as early as daybreak/early morning hours. The boundary layer was characterized by strong instability and wind shear, favorable for an organized/supercell storm mode. Initial supercells across western Oklahoma produced a few reports of large hail and the first (brief) tornadoes of the event just after 10 AM. Supercell storm development continued across portions of the area, focusing along an axis from western-north Texas into north-central Oklahoma through much of the afternoon. The first significant (EF-2) tornado of the event impacted the eastern edge of Knox City (Knox County, Texas) just after 3 PM. Through the evening, a quasi-linear convective system (QLCS) organized and swept across much of southern/central Oklahoma and adjacent north Texas. Numerous mesovortex-type tornadoes developed and impacted the aforementioned areas. Ahead of the main convective line, strong warm air advection, driven by an increasing (45-60 knot) low-level jet, promoted the development of pre-frontal/line supercell thunderstorms. Multiple of these storms became strongly tornadic, producing multiple strong and long-tracking tornadoes. This included an EF-2 tornado impacting the western portions of Ardmore, an EF-3 tornado making a direct impact on the historic downtown district and adjacent neighborhoods in Sulphur, an EF-3 tornado traversing western portions of Hughes County, just west of Holdenville, and an EF-4 tornado destroying a Dollar Tree distribution center and nearby large retail stores on the west side of Marietta. The latter three tornadoes resulted in fatalities (1 in Sulphur, 2 near Holdenville and 1 in Marietta) along with additional injuries.

Beyond severe weather outcomes, a significant flash flooding event occurred from the late evening of the 27th through mid-morning of the 28th. The corridor of highest rainfall, with observed 24-hour totals of 5-to-8 inches, occurred across portions of south-central into

## Storm Data and Unusual Weather Phenomena - April 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
southeast Oklahoma, on the heels of a cluster of significant tornado impacts earlier in the evening. Additional flooding occurred across far northern Oklahoma (Kay County) during the evening of the 27th.				

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**FOARD COUNTY --- 2.3 SSE THALIA [33.95, -99.53]**

04/30/24 17:33 CST	0	Hail (1.00 in)
04/30/24 17:33 CST	0	Source: Public

MPing report.

A rather nebulous upper air pattern existed across the Southern Plains on the 30th, with 30-40 knots of quasi-zonal flow at 500 mb. However, plentiful solar insolation/surface heating in the vicinity of a dryline fostered widely scattered thunderstorm development by the late afternoon. Strong instability and sufficient organizing wind shear lead to a few of these storms displaying supercellular characteristics and producing reports of large hail initially, owing to steep lapse rates and weak low-level shear (among other factors already mentioned).