

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OKLAHOMA, Western, Central and Southeast				
(OK-Z004) HARPER, (OK-Z005) WOODS, (OK-Z006) ALFALFA, (OK-Z007) GRANT, (OK-Z012) GARFIELD				
	05/01/24 00:00 CST		0	Drought
	05/07/24 05:59 CST		0	
Intermittent periods of heavy rainfall/thunderstorms occurred during the month in areas (far northern/northwestern Oklahoma) where severe drought had emerged by late April. As such, ongoing severe drought areas were reduced by the middle to late portions of the month.				
BLAINE COUNTY --- HITCHCOCK [35.97, -98.35]				
	05/01/24 03:36 CST		0	Hail (1.00 in)
	05/01/24 03:36 CST		0	Source: Emergency Manager
GRADY COUNTY --- 3.2 SSE CHICKASHA ARPT [35.04, -97.94]				
	05/01/24 05:00 CST		0	Hail (1.00 in)
	05/01/24 05:00 CST		0	Source: Emergency Manager
ATOKA COUNTY --- 4.5 NW BOGGY DEPOT STATE PARK [34.37, -96.36]				
	05/01/24 08:15 CST		0	Hail (1.25 in)
	05/01/24 08:15 CST		0	Source: Emergency Manager
Relayed images with ruler measurement. Time is radar estimated.				
(OK-Z014) ROGER MILLS, (OK-Z021) BECKHAM, (OK-Z022) WASHITA				
	05/01/24 19:20 CST		15K	High Wind (MAX 61 kt)
	05/01/24 22:45 CST		0	
JACKSON COUNTY --- 3.7 S ALTUS [34.59, -99.34]				
	05/01/24 22:05 CST		0	Thunderstorm Wind (MG 62 kt)
	05/01/24 22:05 CST		0	Source: Mesonet
Altus (ALTU) Mesonet observation.				
JACKSON COUNTY --- 1.5 ESE (LTS)ALTUS AFB [34.65, -99.27]				
	05/01/24 22:08 CST		0	Thunderstorm Wind (MG 52 kt)
	05/01/24 22:08 CST		0	Source: ASOS
Altus Air Force Base (KLTS) observation.				
TILLMAN COUNTY --- 0.3 N TIPTON [34.50, -99.14]				
	05/01/24 22:20 CST		0	Thunderstorm Wind (EG 56 kt)
	05/01/24 22:20 CST		0	Source: Emergency Manager
Relayed images showing a few large tree limbs blown down. Time is radar estimated.				
TILLMAN COUNTY --- 1.0 S HOLLISTER [34.33, -98.87]				
	05/01/24 22:48 CST		0	Thunderstorm Wind (EG 52 kt)
	05/01/24 22:48 CST		0	Source: Trained Spotter
Relayed by emergency management.				
COMANCHE COUNTY --- 1.0 NW FAXON [34.47, -98.59]				
	05/01/24 23:04 CST		0	Tornado (EFU, L: 0.50 mi , W: 40 yd)
	05/01/24 23:04 CST		0	Source: Official NWS Observations

A Tornado Debris Signature (TDS) was observed on KFDR radar just northwest of Faxon in association with a strengthening velocity signature. With the TDS, tree damage likely occurred but could not be observed from the roads by investigators, so the specific location of this path is estimated.

Broad upper troughing/southwesterly flow extended across much of the western CONUS on the 1st. This included the passage of a

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>low-amplitude wave. By the late evening, prior organized (supercellular) convection across the eastern Texas Panhandle consolidated into a quasi-linear convective system (QLCS) and spread into portions of southwestern Oklahoma and north Texas. A few severe wind gusts and a brief tornado occurred with this system. High wind gusts occurred across western Oklahoma during the evening, as a wake low developed to the north of the organized thunderstorm complex.</p>				
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GRADY COUNTY --- 0.6 NNW ACME [34.81, -98.02]	05/02/24 00:00 CST	0		Thunderstorm Wind (MG 60 kt)
	05/02/24 00:00 CST	0		Source: Mesonet
Acme (ACME) Mesonet observation.				
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CARTER COUNTY --- 1.2 WSW ARDMORE [34.16, -97.16]	05/02/24 00:43 CST	0		Hail (0.75 in)
	05/02/24 00:43 CST	0		Source: Public
MPing report.				
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(OK-Z008) KAY	05/02/24 03:20 CST	0		High Wind (MAX 62 kt)
	05/02/24 04:15 CST	0		
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LINCOLN COUNTY --- 3.9 WSW SPARKS [35.59, -96.88]	05/02/24 21:15 CST	0		Hail (1.00 in)
	05/02/24 21:15 CST	0		Source: Fire Department/Rescue
Event time is approximate.				
<p>A generally weakening complex of thunderstorms continued from the late evening of the 1st into the early morning hours of the 2nd. A severe wind gust (measured) and small hail occurred. A wake low continued to shift into northern Oklahoma during the early morning, producing high wind gusts near Ponca City, Oklahoma. By the evening, a pair of organized (supercell) thunderstorms impacted portions of western-north Texas and east-central Oklahoma, producing reports of large hail.</p>				
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COMANCHE COUNTY --- 5.2 SSE ELGIN [34.71, -98.26]	05/03/24 19:44 CST	0		Hail (0.75 in)
	05/03/24 19:44 CST	0		Source: Public
MPing report.				
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COMANCHE COUNTY --- 2.5 N LAKE ELLSWORTH DAM [34.83, -98.38]	05/03/24 19:53 CST	0		Hail (0.88 in)
	05/03/24 19:53 CST	0		Source: Trained Spotter
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COMANCHE COUNTY --- 1.5 NE ELGIN [34.80, -98.27]	05/03/24 19:57 CST	0		Hail (1.00 in)
	05/03/24 19:57 CST	0		Source: Public
MPing report.				
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COMANCHE COUNTY --- ELGIN [34.78, -98.29]	05/03/24 19:57 CST	0		Hail (1.25 in)
	05/03/24 19:57 CST	0		Source: Emergency Manager
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CADDO COUNTY --- 4.5 N STECKER [35.02, -98.31]	05/03/24 20:11 CST	0		Hail (0.75 in)
	05/03/24 20:11 CST	0		Source: Trained Spotter
Relayed through Spotter Network.				
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CADDO COUNTY --- 1.4 S CEMENT [34.92, -98.14]	05/03/24 20:15 CST	0		Hail (1.00 in)
	05/03/24 20:15 CST	0		Source: Public

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MPing report.				
CADDO COUNTY --- 3.6 N ANADARKO [35.13, -98.25]				
	05/03/24 20:21 CST		0	Hail (1.75 in)
	05/03/24 20:21 CST		0	Source: Trained Spotter
Relayed through Spotter Network.				
GRADY COUNTY --- 2.1 W CHICKASHA ARPT [35.08, -98.01]				
	05/03/24 20:43 CST		0	Hail (1.25 in)
	05/03/24 20:43 CST		0	Source: Trained Spotter
<p>Passage of a weak/low-amplitude upper wave and evidence of coupling between the Polar and Subtropical Jet Streams across the central United States helped to foster scattered convective development during the evening of the 3rd. Initial convection originated across west-central into western-north Texas and, with strong instability and marginally sufficient wind shear in place, became briefly organized. A few instances of hail and thunderstorm wind damage were observed with this convection. These initial storms eventually lead to additional development along advancing outflow into portions of southwest/west-central Oklahoma, with a few transiently organized structures (supercells) leading to further reports of large hail into the mid to late-evening.</p>				
PONTOTOC COUNTY --- 3.6 SSE ADA [34.72, -96.65]				
	05/04/24 14:13 CST		0	Hail (1.00 in)
	05/04/24 14:13 CST		0	Source: Public
MPing report.				
COAL COUNTY --- 4.6 NE COTTONWOOD [34.61, -96.15]				
	05/04/24 15:32 CST		0	Hail (1.25 in)
	05/04/24 15:32 CST		0	Source: Public
MPing report.				
ROGER MILLS COUNTY --- 0.7 SSE HAMMON [35.62, -99.38]				
	05/04/24 22:37 CST		0	Hail (0.75 in)
	05/04/24 22:37 CST		0	Source: Public
MPing report.				
<p>Despite a somewhat nebulous upper air pattern, with a weak shortwave trough shifting eastward (into the Ozarks) through the day, scattered diurnal thunderstorms developed along a surface cold front across central into southeast Oklahoma. Weak wind shear (<30 knots) and sufficient instability promoted multi-cellular storm modes, with a few reports of large hail occurring with locally stronger storms.</p>				
WOODWARD COUNTY --- 3.4 SE WOODWARD [36.39, -99.35]				
	05/06/24 15:12 CST		0	Hail (1.75 in)
	05/06/24 15:12 CST		0	Source: Broadcast Media
Social media images. Time is radar estimated.				
WOODWARD COUNTY --- 0.5 S MOORELAND [36.43, -99.21]				
	05/06/24 15:18 CST		0	Hail (1.50 in)
	05/06/24 15:18 CST		0	Source: Public
MPing report.				
MAJOR COUNTY --- 5.6 SSW BOUSE JUNCTION [36.34, -98.91]				
	05/06/24 16:09 CST		0	Thunderstorm Wind (MG 71 kt)
	05/06/24 16:09 CST		0	Source: Trained Spotter
WOODS COUNTY --- 2.5 WNW HOPETON [36.71, -98.71]				
	05/06/24 16:15 CST		0	Thunderstorm Wind (MG 53 kt)
	05/06/24 16:15 CST		0	Source: Mesonet

Alva (ALV2) Mesonet observation.

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DEWEY COUNTY --- 2.7 S TALOGA [36.00, -98.96]				
	05/06/24 16:35 CST		0	Hail (1.75 in)
	05/06/24 16:35 CST		0	Source: Trained Spotter
Time is radar estimated.				
DEWEY COUNTY --- OAKWOOD [35.93, -98.70]				
	05/06/24 16:55 CST		0	Hail (1.75 in)
	05/06/24 16:55 CST		0	Source: Emergency Manager
MAJOR COUNTY --- 6.6 NW RINGWOOD [36.46, -98.32], 5.9 NNW RINGWOOD [36.46, -98.28]				
	05/06/24 17:04 CST		0	Tornado (EFU, L: 2.24 mi , W: 30 yd)
	05/06/24 17:08 CST		0	Source: Storm Chaser
Storm chasers observed this tornado looking west from near State Highway 58 looking west. This tornado moved east-northeast and moved into southern Alfalfa County. No damage was reported and the specific path is estimated.				
ALFALFA COUNTY --- 6.0 S HELENA [36.46, -98.28], 5.9 SSE HELENA [36.47, -98.25]				
	05/06/24 17:08 CST		0	Tornado (EFU, L: 1.57 mi , W: 30 yd)
	05/06/24 17:11 CST		0	Source: Storm Chaser
This tornado moved east-northeast from Major County into Alfalfa County and was observed by storm chasers looking west from near State Highway 58 near the county line. No damage was reported and the path of the tornado is estimated.				
BLAINE COUNTY --- 3.1 S CANTON [36.01, -98.58]				
	05/06/24 17:10 CST		0	Hail (2.75 in)
	05/06/24 17:10 CST		0	Source: Other Federal Agency
Social media image with ruler measurement. Evidence that the hailstone had undergone prior melting. Time is radar estimated.				
DEWEY COUNTY --- 2.8 NNE PUTNAM [35.90, -98.96]				
	05/06/24 17:15 CST		0	Thunderstorm Wind (MG 56 kt)
	05/06/24 17:15 CST		0	Source: Mesonet
Putnam (PUTN) Mesonet observation.				
DEWEY COUNTY --- 2.8 NNE PUTNAM [35.90, -98.96]				
	05/06/24 17:20 CST		0	Thunderstorm Wind (MG 56 kt)
	05/06/24 17:20 CST		0	Source: Mesonet
Putnam (PUTN) Mesonet observation.				
BLAINE COUNTY --- OKEENE [36.12, -98.32]				
	05/06/24 17:35 CST		0	Hail (1.25 in)
	05/06/24 17:35 CST		0	Source: Emergency Manager
Relayed image.				
DEWEY COUNTY --- 1.4 W OAKWOOD [35.93, -98.73]				
	05/06/24 17:37 CST		0	Hail (1.25 in)
	05/06/24 17:37 CST		0	Source: Public
MPing report.				
GRANT COUNTY --- NASH [36.67, -98.05]				
	05/06/24 17:40 CST		0	Hail (2.50 in)
	05/06/24 17:40 CST		0	Source: Public
Image relayed through broadcast media. Time is radar estimated.				
BLAINE COUNTY --- 4.7 SSE OKEENE [36.06, -98.28], 6.4 ESE OKEENE [36.10, -98.21]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/06/24 17:41 CST		25K	Tornado (EF1, L: 4.90 mi , W: 300 yd)
	05/06/24 17:50 CST		0	Source: NWS Storm Survey

This tornado initially developed about 5 miles south-southeast of Okeene and moved generally east-northeast before moving into Kingfisher County about a mile and a half south of State Highway 51. In Blaine County, two outbuildings received significant roof damage near the beginning of the path along County Roads N2650 and N2660. A number of trees were also damaged or broken along the path.

BLAINE COUNTY --- OKEENE [36.12, -98.32]

05/06/24 17:45 CST	0	Hail (1.75 in)
05/06/24 17:45 CST	0	Source: Fire Department/Rescue

KINGFISHER COUNTY --- 6.9 WSW LACEY [36.10, -98.21], 0.8 W LACEY [36.12, -98.10]

05/06/24 17:50 CST	15K	Tornado (EF1, L: 6.18 mi , W: 300 yd)
05/06/24 18:02 CST	0	Source: NWS Storm Survey

This tornado developed in Blaine County and moved into Kingfisher County about a mile and a half south of State Highway 51. Power poles were broken and trees were damaged along the path as it moved east and then northeast to the west of Lacey. One outbuilding received roof damage as the tornado crossed State Highway 51 to the west of Lacey. The tornado dissipated soon after crossing SH-51.

BLAINE COUNTY --- 2.2 W SOUTHARD [36.06, -98.52]

05/06/24 17:57 CST	0	Hail (1.50 in)
05/06/24 17:57 CST	0	Source: Public

MPing report.

KINGFISHER COUNTY --- 3.9 NW LACEY [36.16, -98.14]

05/06/24 18:00 CST	0	Thunderstorm Wind (EG 70 kt)
05/06/24 18:00 CST	0	Source: Law Enforcement

A barn destroyed near the intersection of East 590 Road and North 2730 Road. Relayed by emergency management. Time is radar estimated.

KINGFISHER COUNTY --- 3.2 E LACEY [36.12, -98.03]

05/06/24 18:06 CST	10K	Thunderstorm Wind (EG 78 kt)
05/06/24 18:06 CST	0	Source: Emergency Manager

Two large power poles snapped, blocking portions of Oklahoma Highway 132 near the County Road 610 intersection. Time is radar estimated.

DEWEY COUNTY --- 1.0 NNW OAKWOOD [35.94, -98.71]

05/06/24 18:15 CST	0	Hail (1.25 in)
05/06/24 18:15 CST	0	Source: Public

MPing report.

KINGFISHER COUNTY --- 0.6 NW HENNESSEY [36.12, -97.91]

05/06/24 18:25 CST	5K	Thunderstorm Wind (EG 56 kt)
05/06/24 18:25 CST	0	Source: Broadcast Media

Powerlines blown down along Cemetery Road near the community of Hennessey. Relayed by emergency management. Time is radar estimated.

GARFIELD COUNTY --- 1.8 S BISON [36.17, -97.89]

05/06/24 18:27 CST	0	Tornado (EF0, L: 0.20 mi , W: 50 yd)
05/06/24 18:27 CST	0	Source: Storm Chaser

A storm chaser observed a brief tornado south of Bison. An NWS damage survey team found multiple road signs damaged at the intersections of US-81 and Marshall Road. No other damage was observed.

GARFIELD COUNTY --- 5.1 ESE BISON [36.17, -97.80]

05/06/24 18:34 CST	5K	Tornado (EF0, L: 0.20 mi , W: 30 yd)
05/06/24 18:34 CST	0	Source: Emergency Manager

A brief tornado damaged an outbuilding near Marshall Road.

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GARFIELD COUNTY --- 0.3 WNW DOUGLAS [36.26, -97.67], 2.8 SSE COVINGTON [36.27, -97.56]				
	05/06/24 18:44 CST		0	Tornado (EF1, L: 6.26 mi , W: 300 yd)
	05/06/24 18:54 CST		0	Source: NWS Storm Survey
NWS survey teams found evidence of an EF1 tornado that began in Douglas where at least two outbuildings and trees were damaged. The tornado moved east along Flynn Road then to the east-northeast damaging trees and power poles and crossing State Highway 74 about 2.5 miles south of Covington. The last damage was observed just east of Wood Road and County Road N3050.				
GARFIELD COUNTY --- 1.5 SSE WAUKOMIS [36.26, -97.89], 0.8 S BISON [36.19, -97.89], 6.8 SE DOUGLAS [36.19, -97.59], 0.6 NNE COVINGTON [36.32, -97.59]				
	05/06/24 19:00 CST		0	Flash Flood (due to Heavy Rain)
	05/06/24 23:00 CST		0	Source: Emergency Manager
Roadway flooding reported throughout portions of southeastern Garfield County, including south of Waukomis, near Bison and north of Covington. Multiple vehicle accidents due to hydroplaning also reported. Event time is approximate.				
NOBLE COUNTY --- 6.2 SE LUCIEN [36.22, -97.37]				
	05/06/24 19:12 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/06/24 19:12 CST		0	Source: Fire Department/Rescue
Relayed image showing a power pole snapped. Additional trained spotter confirmation of powerlines down in the vicinity. Time is radar estimated.				
KAY COUNTY --- 1.6 SSE PONCA CITY [36.68, -97.07]				
	05/06/24 19:43 CST		0	Thunderstorm Wind (EG 65 kt)
	05/06/24 19:43 CST		0	Source: Public
Social media image showing a large tree uprooted. Time is radar estimated.				
KAY COUNTY --- 2.7 ENE PONCA CITY [36.71, -97.03], 3.4 ENE PONCA CITY [36.71, -97.02]				
	05/06/24 19:44 CST		50K	Tornado (EF0, L: 0.72 mi , W: 30 yd)
	05/06/24 19:45 CST		0	Source: Public
A brief tornado moved through a neighborhood just south of Lake Ponca . House and tree damage was observed along Goldenrod Avenue and East Lake Drive.				
KAY COUNTY --- 3.9 WNW KAW CITY [36.78, -96.92], 6.9 NNE KAW CITY [36.85, -96.81]				
	05/06/24 19:54 CST		0.10M	Tornado (EF1, L: 8.00 mi , W: 75 yd)
	05/06/24 20:03 CST		0	Source: Broadcast Media
A tornado developed west of Kaw Lake near Tower Road and Lake Road , then moved northeast through the Coon Creek Cove area of Kaw Lake producing tree damage, damage to a boat dock, and overturned a camper. The tornado then moved over Kaw Lake and likely dissipated north of the northeastern arm of the lake in northeastern Kay County.				
KINGFISHER COUNTY --- 8.1 S OMEGA [35.75, -98.18]				
	05/06/24 20:10 CST		0	Hail (1.00 in)
	05/06/24 20:10 CST		0	Source: Public
MPing report.				
KINGFISHER COUNTY --- 0.3 WNW KINGFISHER [35.86, -97.93], 0.2 W KINGFISHER [35.86, -97.93], 0.1 W KINGFISHER [35.86, -97.93], 0.2 NNW KINGFISHER [35.86, -97.93]				
	05/06/24 20:15 CST		0	Flash Flood (due to Heavy Rain)
	05/06/24 23:15 CST		0	Source: Emergency Manager
Roadway flooding near the intersection of U.S. Highway 81 and Oklahoma Highway 33 in the community of Kingfisher. Traffic was blocked. Event time is approximate.				
LOGAN COUNTY --- 3.1 SSE MARSHALL [36.12, -97.61]				
	05/06/24 20:40 CST		0	Thunderstorm Wind (MG 51 kt)
	05/06/24 20:40 CST		0	Source: Mesonet
Marshall (MRSH) Mesonet observation.				

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KIOWA COUNTY --- 5.3 NNE HOBART [35.10, -99.06]				
	05/06/24 20:55 CST		0	Hail (0.75 in)
	05/06/24 20:55 CST		0	Source: Public
MPing report.				
PAYNE COUNTY --- 1.4 SE (SWO)STILLWATER AIRPORT [36.15, -97.07], 1.6 NNW STILLWATER [36.14, -97.07], 1.6 NNE STILLWATER [36.14, -97.05], 1.9 NNE STILLWATER [36.15, -97.05]				
	05/06/24 21:00 CST		0	Flash Flood (due to Heavy Rain)
	05/07/24 00:00 CST		0	Source: Public
Roadway flooding along portions of Lakeview Road. Event time is approximate.				
PAYNE COUNTY --- 0.2 NNE (SWO)STILLWATER AIRPORT [36.16, -97.09]				
	05/06/24 21:04 CST		0	Thunderstorm Wind (MG 51 kt)
	05/06/24 21:04 CST		0	Source: ASOS
Stillwater Regional Airport (KSWO) observation.				
PAYNE COUNTY --- STILLWATER [36.12, -97.06]				
	05/06/24 21:05 CST		0	Thunderstorm Wind (EG 61 kt)
	05/06/24 21:05 CST		0	Source: Public
Social media image showing a tree blown down. Time is radar estimated.				
LOGAN COUNTY --- 5.0 SE GUTHRIE [35.83, -97.36]				
	05/06/24 21:21 CST		0	Hail (1.50 in)
	05/06/24 21:21 CST		0	Source: Public
MPing report.				
LOGAN COUNTY --- 2.6 SE GUTHRIE [35.85, -97.39]				
	05/06/24 21:22 CST		0	Hail (1.50 in)
	05/06/24 21:22 CST		0	Source: Public
MPing report.				
LOGAN COUNTY --- 4.9 SE GUTHRIE [35.83, -97.35]				
	05/06/24 21:24 CST		0	Hail (1.00 in)
	05/06/24 21:24 CST		0	Source: Emergency Manager
KINGFISHER COUNTY --- CASHION [35.80, -97.68]				
	05/06/24 21:30 CST		2K	Thunderstorm Wind (EG 52 kt)
	05/06/24 21:30 CST		0	Source: Fire Department/Rescue
Powerlines blown down. Time is radar estimated.				
PAYNE COUNTY --- 0.1 ENE YALE [36.11, -96.70]				
	05/06/24 21:30 CST		0	Thunderstorm Wind (EG 61 kt)
	05/06/24 21:30 CST		0	Source: Public
Social media image showing a large tree limb blown down, blocking the roadway near the intersection of B Street and Dallas Street in the community of Yale. Time is radar estimated.				
LINCOLN COUNTY --- 3.5 NNW TRYON [35.92, -96.98]				
	05/06/24 21:39 CST		0	Hail (1.00 in)
	05/06/24 21:39 CST		0	Source: Public
MPing report.				
LINCOLN COUNTY --- 2.1 N CARNEY [35.84, -97.02]				

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	05/06/24 21:40 CST		0	Thunderstorm Wind (EG 52 kt)
	05/06/24 21:40 CST		0	Source: Public

Social media image showing trees blown down. Time is radar estimated.

CADDO COUNTY --- 1.2 SW FT COBB RES DAM [35.15, -98.47]				
	05/06/24 21:45 CST		0	Thunderstorm Wind (MG 51 kt)
	05/06/24 21:45 CST		0	Source: Mesonet

Fort Cobb (FTCB) Mesonet observation.

CADDO COUNTY --- 4.3 ESE ALBERT [35.20, -98.34]				
	05/06/24 21:48 CST		10K	Thunderstorm Wind (EG 61 kt)
	05/06/24 21:48 CST		0	Source: Public

Social media images showing a metal outbuilding with multiple outer panels removed, along with nearby tree damage. Time is radar estimated.

LINCOLN COUNTY --- 0.7 W CARNEY [35.81, -97.03]				
	05/06/24 21:56 CST		25K	Thunderstorm Wind (EG 78 kt)
	05/06/24 21:56 CST		0	Source: Public

Social media images showing a large wooden machine shed destroyed. Time is radar estimated.

LINCOLN COUNTY --- 3.0 S CARNEY [35.77, -97.02], 4.2 NNE WARWICK [35.75, -96.99]				
	05/06/24 21:56 CST		5K	Tornado (EF0, L: 2.20 mi , W: 50 yd)
	05/06/24 22:01 CST		0	Source: NWS Storm Survey

This tornado developed south of Carney and just east of US Highway 177 and moved southeast damaging trees. A Tornado Debris Signature (TDS) was observed on KTLX radar.

LINCOLN COUNTY --- 2.1 W PARKLAND [35.84, -96.88]				
	05/06/24 22:00 CST		10K	Thunderstorm Wind (EG 70 kt)
	05/06/24 22:00 CST		0	Source: Public

A resident reported large trees downed and heavy objects thrown at a farm south of Agra.

LINCOLN COUNTY --- 4.0 WNW TRYON [35.90, -97.02], 3.4 W TRYON [35.87, -97.02], 3.1 W TRYON [35.87, -97.02], 3.7 WNW TRYON [35.90, -97.02]				
	05/06/24 22:00 CST		0	Flash Flood (due to Heavy Rain)
	05/07/24 01:00 CST		0	Source: Law Enforcement

Roadway flooding along a portion of U.S. Highway 177, near and north of the County Road 780 intersection. Relayed by emergency management. Event time is approximate.

CADDO COUNTY --- 2.5 N GRACEMONT [35.23, -98.26]				
	05/06/24 22:02 CST		0	Hail (1.50 in)
	05/06/24 22:02 CST		0	Source: Public

MPing report.

GRADY COUNTY --- 5.5 NW POCASSET [35.25, -98.02]				
	05/06/24 22:10 CST		10K	Thunderstorm Wind (EG 65 kt)
	05/06/24 22:10 CST		0	Source: Public

Social media image showing two exterior walls of a machine shed collapsed. Time is radar estimated.

LINCOLN COUNTY --- 1.8 SW AGRA [35.88, -96.89], 3.2 WNW PARKLAND [35.85, -96.89], 1.5 NW PARKLAND [35.85, -96.86], 1.3 SSE AGRA [35.88, -96.86]				
	05/06/24 22:15 CST		0	Flash Flood (due to Heavy Rain)
	05/07/24 01:15 CST		0	Source: Emergency Manager

Roadway flooding near the intersection of Oklahoma Highways 18 and 105. Event time is approximate.

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GRADY COUNTY --- 2.8 SSW MINCO [35.27, -97.96]				
	05/06/24 22:20 CST		0	Thunderstorm Wind (MG 51 kt)
	05/06/24 22:20 CST		0	Source: Mesonet
Minco (MINC) Mesonet observation.				
GRADY COUNTY --- TUTTLE [35.29, -97.81]				
	05/06/24 22:21 CST		0	Thunderstorm Wind (EG 65 kt)
	05/06/24 22:21 CST		0	Source: Public
Multiple social media images showing trees uprooted. Time is radar estimated.				
GRADY COUNTY --- 3.1 NW BRIDGE CREEK [35.26, -97.76]				
	05/06/24 22:24 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/06/24 22:24 CST		0	Source: Trained Spotter
Tree branches and powerlines blown down. Time is radar estimated.				
GRADY COUNTY --- 3.2 ESE TUTTLE [35.27, -97.76]				
	05/06/24 22:24 CST		0	Thunderstorm Wind (EG 65 kt)
	05/06/24 22:24 CST		0	Source: Public
Social media image showing a tree uprooted. Time is radar estimated.				
GRADY COUNTY --- 2.8 SSW MINCO [35.27, -97.96]				
	05/06/24 22:25 CST		0	Thunderstorm Wind (MG 56 kt)
	05/06/24 22:25 CST		0	Source: Mesonet
Minco (MINC) Mesonet observation.				
LINCOLN COUNTY --- 2.9 WSW STROUD [35.74, -96.71]				
	05/06/24 22:25 CST		0	Hail (1.00 in)
	05/06/24 22:25 CST		0	Source: Public
MPing report.				
LINCOLN COUNTY --- 1.8 W STROUD [35.75, -96.69]				
	05/06/24 22:27 CST		0	Hail (1.75 in)
	05/06/24 22:27 CST		0	Source: Public
MPing report.				
CANADIAN COUNTY --- 1.3 WSW MUSTANG [35.38, -97.74]				
	05/06/24 22:30 CST		0	Thunderstorm Wind (EG 61 kt)
	05/06/24 22:30 CST		0	Source: Public
Social media image showing a tree uprooted. Time is radar estimated.				
GRADY COUNTY --- 1.9 NNE TUTTLE [35.31, -97.79]				
	05/06/24 22:30 CST		20K	Thunderstorm Wind (EG 70 kt)
	05/06/24 22:30 CST		0	Source: Public
Social media image showing a camper trailer blown over, rolled, and destroyed by thunderstorm wind. Time is radar estimated.				
GRADY COUNTY --- 2.8 SSW MINCO [35.27, -97.96]				
	05/06/24 22:30 CST		0	Thunderstorm Wind (MG 62 kt)
	05/06/24 22:30 CST		0	Source: Mesonet
Minco (MINC) Mesonet observation.				
CANADIAN COUNTY --- 1.9 ESE MUSTANG [35.38, -97.69]				

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/06/24 22:33 CST		5K	Thunderstorm Wind (EG 65 kt)
	05/06/24 22:33 CST		0	Source: Public

Social media report of a tree uprooted and chicken coup destroyed. Time is radar estimated.

CLEVELAND COUNTY --- 8.2 W MOORE [35.36, -97.63]				
	05/06/24 22:33 CST		2K	Thunderstorm Wind (EG 56 kt)
	05/06/24 22:33 CST		0	Source: Public

Social media image showing a power pole leaning due to thunderstorm wind. Time is radar estimated.

CLEVELAND COUNTY --- 4.5 WNW MOORE [35.37, -97.56], 4.1 NW MOORE [35.38, -97.55]				
	05/06/24 22:37 CST		0.15M	Thunderstorm Wind (EG 91 kt)
	05/06/24 22:39 CST		0	Source: NWS Storm Survey

A corridor of significant straight-line wind damage was identified across portions of far northwestern Cleveland County, immediately preceding a tornado across far southern Oklahoma County (see separate entry for details on this event). The most significant damage occurred near Southwest 93rd Street and 93rd Place. Here, at least two residences had their garage doors fail/collapse inward, leading to the loss of shingles and decking material along portions of adjoining roofs. Additional residences along the path had minor roof damage/shingle loss along with trees uprooted. Both the wind path and time are estimated.

CLEVELAND COUNTY --- 2.9 WNW MOORE [35.35, -97.54]				
	05/06/24 22:38 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/06/24 22:38 CST		0	Source: Public

Social media image showing at least two power poles leaning due to thunderstorm wind. Time is radar estimated.

OKLAHOMA COUNTY --- 0.1 S (OKC)WILL ROGERS APT [35.39, -97.60]				
	05/06/24 22:38 CST		0	Thunderstorm Wind (MG 60 kt)
	05/06/24 22:38 CST		0	Source: ASOS

Oklahoma City, Will Rogers World Airport (KOKC) observation.

CLEVELAND COUNTY --- 2.1 NW (OUN)NORMAN WESTHEIMER ARPT [35.27, -97.50]				
	05/06/24 22:39 CST		0	Thunderstorm Wind (EG 61 kt)
	05/06/24 22:39 CST		0	Source: NWS Employee

A tree was snapped.

OKLAHOMA COUNTY --- 3.3 ESE (OKC)WILL ROGERS APT [35.38, -97.54], 1.8 W VALLEY BROOK [35.40, -97.51]				
	05/06/24 22:39 CST		0.30M	Tornado (EF1, L: 2.20 mi , W: 75 yd)
	05/06/24 22:42 CST		0	Source: NWS Storm Survey

This tornado developed just north of the Oklahoma-Cleveland County line east of Indiana Avenue. The tornado moved northeast through southern Oklahoma City, crossing near the Interstate 240 and Walker Avenue interchange and then dissipating south of Southeast 66th Street and Santa Fe Avenue. A few apartment buildings received roof damage near Southwest 84th Avenue and Douglas Avenue, as well as at two apartment complexes north of Interstate 240 near Santa Fe Avenue. Businesses were damaged along Western Avenue just south of Lightning Creek Park and near Interstate 240 and Walker Avenue and tree damage occurred throughout the path.

This storm also produced wind damage both southwest and northeast of this tornado path, but evidence suggests that these other areas of damage were from thunderstorm winds, primarily with the Rear Flank Downdraft of the storm.

CLEVELAND COUNTY --- 0.5 SE MOORE [35.33, -97.48]				
	05/06/24 22:42 CST		5K	Thunderstorm Wind (EG 65 kt)
	05/06/24 22:42 CST		0	Source: Public

Social media image showing a large tree limb blown down, laying on a house. Time is radar estimated.

OKLAHOMA COUNTY --- 1.6 W VALLEY BROOK [35.40, -97.51], 1.8 NNE VALLEY BROOK [35.42, -97.47]				
	05/06/24 22:42 CST		0.10M	Thunderstorm Wind (EG 87 kt)
	05/06/24 22:46 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OKLAHOMA COUNTY --- 1.9 SE VALLEY BROOK [35.38, -97.46]				
	05/06/24 22:42 CST		0	Hail (1.00 in)
	05/06/24 22:42 CST		0	Source: Trained Spotter
OKLAHOMA COUNTY --- 2.0 SE VALLEY BROOK [35.38, -97.46]				
	05/06/24 22:42 CST		0	Thunderstorm Wind (MG 63 kt)
	05/06/24 22:42 CST		0	Source: Trained Spotter
CLEVELAND COUNTY --- 1.9 ESE MOORE [35.33, -97.46]				
	05/06/24 22:43 CST		5K	Thunderstorm Wind (EG 65 kt)
	05/06/24 22:43 CST		0	Source: Public
Social media report of multiple power poles blown down on Bryant Avenue between Southeast 19th Street and Southeast 4th Street. Time is radar estimated.				
CLEVELAND COUNTY --- 2.4 E MOORE [35.33, -97.45]				
	05/06/24 22:43 CST		0	Thunderstorm Wind (EG 61 kt)
	05/06/24 22:43 CST		0	Source: Trained Spotter
Social media report of large tree limbs blown down. Time is radar estimated.				
CLEVELAND COUNTY --- 3.2 NNE (OUN)NORMAN WESTHEIMER ARPT [35.30, -97.46]				
	05/06/24 22:43 CST		0	Thunderstorm Wind (EG 56 kt)
	05/06/24 22:43 CST		0	Source: Trained Spotter
Social media image showing a tree limb blown down. Time is radar estimated.				
CLEVELAND COUNTY --- 2.2 NE (OUN)NORMAN WESTHEIMER ARPT [35.27, -97.44]				
	05/06/24 22:44 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/06/24 22:44 CST		0	Source: Trained Spotter
Social media image showing a power pole leaning due to thunderstorm wind. Time is radar estimated.				
CLEVELAND COUNTY --- 4.0 ESE MOORE [35.32, -97.42]				
	05/06/24 22:44 CST		0	Thunderstorm Wind (EG 61 kt)
	05/06/24 22:44 CST		0	Source: Public
Social media image showing a tree blown down. Time is radar estimated.				
OKLAHOMA COUNTY --- 0.1 S (OKC)WILL ROGERS APT [35.39, -97.60]				
	05/06/24 22:45 CST		0	Thunderstorm Wind (MG 55 kt)
	05/06/24 22:45 CST		0	Source: ASOS
Oklahoma City, Will Rogers World Airport (KOKC) observation.				
OKLAHOMA COUNTY --- 2.0 SW DEL CITY [35.43, -97.46], 1.0 SW DEL CITY [35.44, -97.45]				
	05/06/24 22:46 CST		50K	Tornado (EF1, L: 1.10 mi , W: 30 yd)
	05/06/24 22:47 CST		0	Source: Emergency Manager
The thunderstorms that produced one tornado in south Oklahoma City continued to produce wind damage as it moved northeast. However evidence suggests that it produced one additional brief tornado from near Highland Park Drive and Southeast 38 th Street just southeast of Trosper Park in Oklahoma City to near Glenn Avenue and Southeast 24th Street in Del City. The most significant damage was a mobile home that was pushed off the foundation southeast of Trosper Park, otherwise damage was light.				
OKLAHOMA COUNTY --- 0.4 E DEL CITY [35.45, -97.43]				
	05/06/24 22:48 CST		0	Thunderstorm Wind (EG 65 kt)
	05/06/24 22:48 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Social media image showing large tree limbs blown down. Time is radar estimated.				
OKLAHOMA COUNTY --- MIDWEST CITY [35.46, -97.39]				
	05/06/24 22:50 CST		10K	Thunderstorm Wind (EG 65 kt)
	05/06/24 22:50 CST		0	Source: Emergency Manager
Powerlines and tree limbs blown down around the community of Midwest City. Time is radar estimated.				
OKLAHOMA COUNTY --- MIDWEST CITY [35.46, -97.39]				
	05/06/24 22:50 CST		5K	Thunderstorm Wind (EG 65 kt)
	05/06/24 22:50 CST		0	Source: Public
Social media image showing a large tree (12+ inches in diameter) snapped in half, laying on a house. Time is radar estimated.				
CLEVELAND COUNTY --- 4.0 ESE MOORE [35.32, -97.42]				
	05/06/24 22:51 CST		0	Thunderstorm Wind (MG 52 kt)
	05/06/24 22:51 CST		0	Source: Amateur Radio
CLEVELAND COUNTY --- 4.4 ENE STANLEY DRAPER LAKE DAM [35.36, -97.28]				
	05/06/24 22:52 CST		0	Thunderstorm Wind (EG 61 kt)
	05/06/24 22:52 CST		0	Source: Public
Social media image showing large tree limbs blown down. Time is radar estimated.				
OKLAHOMA COUNTY --- 0.1 S (OKC)WILL ROGERS APT [35.39, -97.60]				
	05/06/24 22:52 CST		0	Thunderstorm Wind (MG 56 kt)
	05/06/24 22:52 CST		0	Source: ASOS
Oklahoma City, Will Rogers World Airport (KOKC) observation.				
OKLAHOMA COUNTY --- 0.6 NE (TIK)TINKER AFB [35.42, -97.38]				
	05/06/24 22:55 CST		0	Thunderstorm Wind (MG 57 kt)
	05/06/24 22:55 CST		0	Source: ASOS
Tinker Air Force Base (KTIK) observation.				
OKLAHOMA COUNTY --- 0.8 ENE CHOCTAW [35.49, -97.26]				
	05/06/24 22:56 CST		20K	Thunderstorm Wind (EG 70 kt)
	05/06/24 22:56 CST		0	Source: Public
Social media video showing 8-10 power poles either snapped or blown down. Time is radar estimated.				
OKLAHOMA COUNTY --- 1.7 SSW (TIK)TINKER AFB [35.39, -97.41]				
	05/06/24 22:56 CST		0	Thunderstorm Wind (MG 56 kt)
	05/06/24 22:56 CST		0	Source: Trained Spotter
OKLAHOMA COUNTY --- 5.1 SSW HARRAH [35.42, -97.19]				
	05/06/24 22:57 CST		0	Thunderstorm Wind (EG 65 kt)
	05/06/24 22:57 CST		0	Source: Public
Social media image showing a large (12+ inch diameter) tree snapped in half. Time is radar estimated.				
POTTAWATOMIE COUNTY --- 4.9 NE PINK [35.31, -97.06]				
	05/06/24 23:10 CST		0	Thunderstorm Wind (EG 56 kt)
	05/06/24 23:10 CST		0	Source: Public
Social media image showing a large tree limb blown down. Time is radar estimated.				
SEMINOLE COUNTY --- 0.3 S SCHOOLTON [35.39, -96.46]				
	05/06/24 23:43 CST		0	Thunderstorm Wind (EG 52 kt)
	05/06/24 23:43 CST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Estimated wind gust at the intersection of Interstate 40 and Oklahoma Highway 56.

A significant severe weather outbreak, including ten (10) tornadoes, impacted northern and central portions of the WFO Norman Forecast Area during the evening of the 6th into the early morning hours of the 7th. The synoptic pattern across the western half of the Continental United States favored a significant severe weather episode across the region, with a powerful (110-120 knot) upper-level jet streak ejecting across the Central Plains during the evening of the 6th. In concert with robust kinematics in place, extreme instability (pockets of >4000-5000 J/kg of CAPE) promoted an environment favorable for significant severe weather. As such, the Storm Prediction Center issued a rare 'High Risk' of severe weather for portions of central and northern Oklahoma, the first to include portions of the WFO Norman Forecast Area since 20 May 2019.

Initial supercell thunderstorms developed in the late afternoon off an accelerating dryline/Pacific front near the 100th meridian. These initial supercell thunderstorms produced large to very large hail and damaging wind gusts, though failed to undergo tornadogenesis. This may have been due to the propensity for rapid and strong downdraft surges in the vicinity of low-level mesocyclones (among other factors). With time, as storms matured and moved into an environment characterized by richer low-level moisture, and as low-level flow increased, multiple tornado occurrences did result. Additional supercell thunderstorms and thunderstorm clusters developed by the late evening of the 6th across west-central into central Oklahoma. A particularly impactful cluster moved across the southern Oklahoma City Metropolitan area, producing numerous reports of significant thunderstorm wind damage (and gusts) and two weak tornadoes.

(OK-Z004) HARPER, (OK-Z005) WOODS

05/07/24 06:00 CST	0	Drought
05/31/24 23:59 CST	0	

Intermittent periods of heavy rainfall/thunderstorms occurred during the month in areas (far northern/northwestern Oklahoma) where severe drought had emerged by late April. As such, ongoing severe drought areas were reduced by the middle to late portions of the month.

COTTON COUNTY --- 1.9 W TEMPLE [34.27, -98.26]

05/09/24 11:58 CST	0	Hail (1.75 in)
05/09/24 11:58 CST	0	Source: Fire Department/Rescue

Hail size increased from quarter to golf ball from 1156-1158 LST.

COTTON COUNTY --- 3.0 E WALTERS [34.35, -98.26]

05/09/24 12:05 CST	0	Hail (1.50 in)
05/09/24 12:05 CST	0	Source: Public

Social media image. Time is radar estimated and location is approximate.

STEPHENS COUNTY --- DUNCAN [34.50, -97.96]

05/09/24 12:25 CST	0	Hail (1.75 in)
05/09/24 12:25 CST	0	Source: Public

Social media image. Evidence that the hailstone had undergone prior melting. Time is radar estimated.

STEPHENS COUNTY --- 2.1 WSW DUNCAN [34.49, -98.00]

05/09/24 12:29 CST	0	Hail (0.88 in)
05/09/24 12:29 CST	0	Source: Emergency Manager

STEPHENS COUNTY --- 2.5 NW DUNCAN [34.52, -98.00]

05/09/24 12:29 CST	0	Hail (1.00 in)
05/09/24 12:29 CST	0	Source: Emergency Manager

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

05/09/24 12:37 CST	0	Hail (1.75 in)
05/09/24 12:37 CST	0	Source: Trained Spotter

Relayed by emergency management.

LOVE COUNTY --- 0.9 NNW MARIETTA [33.95, -97.13]

05/09/24 12:45 CST	0.25M	Lightning
05/09/24 12:45 CST	0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
House fire due to a suspected lightning strike. Structure was expected to be a total loss. Event time is approximate.				
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GARVIN COUNTY --- LINDSAY [34.84, -97.61]	05/09/24 13:00 CST		0	Hail (1.00 in)
	05/09/24 13:00 CST		0	Source: Public
Social media video. Time is radar estimated.				
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MCCLAIN COUNTY --- 3.9 WSW CRINER [34.95, -97.62]	05/09/24 13:20 CST		0	Hail (1.00 in)
	05/09/24 13:20 CST		0	Source: Fire Department/Rescue
Relayed by emergency management.				
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MCCLAIN COUNTY --- 1.0 S GOLDSBY [35.14, -97.48]	05/09/24 13:36 CST		0	Hail (1.00 in)
	05/09/24 13:36 CST		0	Source: Fire Department/Rescue
Relayed by emergency management.				
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CLEVELAND COUNTY --- 2.6 SE NORMAN [35.20, -97.41]	05/09/24 13:40 CST		0	Hail (0.75 in)
	05/09/24 13:40 CST		0	Source: Public
MPing report.				
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CLEVELAND COUNTY --- 2.7 S NORMAN [35.18, -97.44]	05/09/24 13:40 CST		0	Hail (0.88 in)
	05/09/24 13:40 CST		0	Source: Official NWS Observations
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CLEVELAND COUNTY --- 3.1 NW NOBLE [35.17, -97.43]	05/09/24 13:42 CST		0	Hail (1.00 in)
	05/09/24 13:42 CST		0	Source: Other Federal Agency
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CLEVELAND COUNTY --- 2.4 NNW NOBLE [35.17, -97.40]	05/09/24 13:45 CST		0	Hail (0.75 in)
	05/09/24 13:45 CST		0	Source: Public
MPing report.				
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CLEVELAND COUNTY --- 4.3 SSE STANLEY DRAPER LAKE DAM [35.27, -97.31]	05/09/24 13:58 CST		0	Hail (1.00 in)
	05/09/24 13:58 CST		0	Source: Public
MPing report.				
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Strong zonal mid/upper-level flow existed across the southern tier of the CONUS during the day on the 9th. This included a weak upper wave passage across portions of the Red River Valley. While a frontal boundary had pushed into portions of north Texas by daybreak, strong (elevated) instability and wind shear remained across southern and central portions of the forecast area. Scattered thunderstorms developed across western-north Texas by the late morning. The most significant storm was a 'left-moving' supercell thunderstorm, which tracked from near Wichita Falls, Texas, towards the southern portion of the Oklahoma City Metropolitan area, producing intermittent reports of large hail.				
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DEWEY COUNTY --- 8.3 SE CAMARGO [35.95, -99.17]	05/13/24 00:18 CST		0	Hail (0.75 in)
	05/13/24 00:18 CST		0	Source: Trained Spotter
Relayed through Spotter Network.				
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LINCOLN COUNTY --- 7.5 SSW WELLSTON [35.60, -97.13]	05/13/24 03:35 CST		20K	Tornado (EF0, L: 0.20 mi , W: 20 yd)
	05/13/24 03:35 CST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Lincoln County Emergency Management reported damage to a home in far western Lincoln County about 6 miles southeast of Luther. A house received roof damage on the east side of the roof and a shed was blown 700 feet into a field.				
A weak upper trough propagated into portions of the Central Plains from the late evening of the 12th into the early morning hours of the 13th. A small quasi-linear convective system (QLCS) developed across portions of northwest Oklahoma and pushed into central Oklahoma during the early morning hours of the 13th. With this complex, sub-severe hail and a weak tornado occurred.				
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KAY COUNTY --- 3.0 NW BRAMAN [36.95, -97.37]	05/15/24 17:51 CST	0		Hail (1.75 in)
	05/15/24 17:51 CST	0		Source: Broadcast Media
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KAY COUNTY --- BRAMAN [36.92, -97.33]	05/15/24 18:05 CST	0		Hail (2.50 in)
	05/15/24 18:05 CST	0		Source: COOP Observer
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KAY COUNTY --- 4.8 SE CHILOCCO [36.94, -97.01]	05/15/24 18:08 CST	0		Hail (1.00 in)
	05/15/24 18:08 CST	0		Source: COOP Observer
Time is radar estimated.				
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KAY COUNTY --- BRAMAN [36.92, -97.33]	05/15/24 18:15 CST	0		Thunderstorm Wind (EG 70 kt)
	05/15/24 18:15 CST	0		Source: Emergency Manager
Multiple confirmations, including social media images, of tree damage in Braman. This included trees uprooted and large tree limbs blown down. Time is radar estimated.				
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ELLIS COUNTY --- ARNETT [36.14, -99.77]	05/15/24 18:20 CST	0		Hail (1.00 in)
	05/15/24 18:20 CST	0		Source: Public
Time is radar estimated.				
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KAY COUNTY --- NEWKIRK [36.88, -97.06]	05/15/24 18:32 CST	0		Hail (1.25 in)
	05/15/24 18:32 CST	0		Source: Amateur Radio
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KAY COUNTY --- NEWKIRK [36.88, -97.06]	05/15/24 18:35 CST	0		Hail (4.00 in)
	05/15/24 18:35 CST	0		Source: Fire Department/Rescue
Relayed by emergency management.				
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KAY COUNTY --- 2.8 WSW KILDARE [36.80, -97.10]	05/15/24 18:40 CST	0		Hail (1.75 in)
	05/15/24 18:40 CST	0		Source: Public
MPing report.				
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KAY COUNTY --- 0.0 NNE (PNC)PONCA CITY ARPT [36.73, -97.10]	05/15/24 18:53 CST	0		Thunderstorm Wind (MG 53 kt)
	05/15/24 18:53 CST	0		Source: ASOS
Ponca City Municipal Airport (KPNC) observation.				
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KAY COUNTY --- 5.6 W KAW CITY [36.77, -96.96]	05/15/24 18:54 CST	0		Hail (2.75 in)
	05/15/24 18:54 CST	0		Source: Trained Spotter
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KAY COUNTY --- 0.7 NE KAW CITY [36.77, -96.85]				

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/15/24 19:05 CST		0	Hail (2.20 in)
	05/15/24 19:05 CST		0	Source: Broadcast Media

Social media image with ruler measurement. Evidence that the hailstone had undergone prior melting. Time is radar estimated.

OKLAHOMA COUNTY --- 4.3 WNW THE VILLAGE [35.59, -97.62]				
	05/15/24 23:12 CST		0	Thunderstorm Wind (EG 56 kt)
	05/15/24 23:12 CST		0	Source: Public

Social media images showing a small tree uprooted and other large tree limbs blown down. Near the intersection of Northwest 122nd Street and MacArthur Boulevard. Time is radar estimated.

OKLAHOMA COUNTY --- 9.5 WNW EDMOND [35.70, -97.64]				
	05/15/24 23:14 CST		0	Thunderstorm Wind (EG 61 kt)
	05/15/24 23:14 CST		0	Source: Law Enforcement

A tree blown down, blocking the roadway near the intersection of Northwest 220th Street and Rockwell Avenue. Relayed by emergency management. Time is radar estimated.

OKLAHOMA COUNTY --- 6.0 WNW EDMOND [35.67, -97.58]				
	05/15/24 23:15 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/15/24 23:15 CST		0	Source: Public

Social media report of shingles removed from the roof of a residence. Time is radar estimated.

OKLAHOMA COUNTY --- 5.1 NW EDMOND [35.70, -97.55]				
	05/15/24 23:20 CST		2K	Thunderstorm Wind (EG 61 kt)
	05/15/24 23:20 CST		0	Source: Law Enforcement

Powerlines down in the roadway near the intersection of Northwest 220th Street and Pennsylvania Avenue. Relayed by emergency management. Time is radar estimated.

LOGAN COUNTY --- 5.1 S NAVINA [35.73, -97.56]				
	05/15/24 23:22 CST		10K	Thunderstorm Wind (EG 70 kt)
	05/15/24 23:22 CST		0	Source: Emergency Manager

Several large trees and power poles snapped along portions of Waterloo Road between Western Avenue and Oklahoma Highway 74. Time is radar estimated.

LOGAN COUNTY --- 5.2 S NAVINA [35.73, -97.55]				
	05/15/24 23:22 CST		10K	Thunderstorm Wind (EG 61 kt)
	05/15/24 23:22 CST		0	Source: Public

Social media image showing shingles removed from the roof a residence. Time is radar estimated.

LOGAN COUNTY --- 6.6 SE SEWARD [35.73, -97.42]				
	05/15/24 23:28 CST		0	Thunderstorm Wind (EG 52 kt)
	05/15/24 23:28 CST		0	Source: Law Enforcement

Estimated wind gust. Relayed by emergency management.

LOGAN COUNTY --- 2.8 E GUTHRIE [35.88, -97.37]				
	05/15/24 23:40 CST		0	Thunderstorm Wind (EG 61 kt)
	05/15/24 23:40 CST		0	Source: Broadcast Media

A tree blown down near the intersection of Oklahoma Highway 105 and Douglas Boulevard. Time is radar estimated.

LOGAN COUNTY --- 8.2 SSW MERIDIAN [35.74, -97.33]				
	05/15/24 23:41 CST		0	Thunderstorm Wind (EG 61 kt)
	05/15/24 23:41 CST		0	Source: Emergency Manager

Estimated wind gust.

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A weak split-stream upper air pattern was found across the area on the 15th. At the surface, a frontal boundary was positioned near the Oklahoma/Kansas border area, extending into the northern Texas Panhandle. The combination of mesoscale and synoptic forcing mechanisms promoted widely scattered thunderstorm development from northwestern into northeastern Oklahoma. Across the latter area, a significant supercell thunderstorm developed and produced large to very large hail and wind damage before exiting into portions of northeastern Oklahoma (WFO Tulsa, Oklahoma). By the late evening of the 15th into the early morning hours of the 16th, previous convection across western Oklahoma began to organize into a cluster of severe thunderstorms as it approached the northwestern and northern Oklahoma City Metropolitan area. This complex produced reports of wind damage across these areas.

ROGER MILLS COUNTY --- 3.5 WSW CRAWFORD [35.81, -99.86]

05/19/24 16:45 CST	0	Hail (1.50 in)
05/19/24 16:45 CST	0	Source: Public

MPing report.

ROGER MILLS COUNTY --- 4.9 E ROLL [35.79, -99.62]

05/19/24 16:57 CST	0	Hail (0.75 in)
05/19/24 16:57 CST	0	Source: Public

MPing report.

ROGER MILLS COUNTY --- 3.7 SE ROLL [35.74, -99.66]

05/19/24 17:12 CST	0	Thunderstorm Wind (MG 65 kt)
05/19/24 17:12 CST	0	Source: Broadcast Media

ROGER MILLS COUNTY --- 4.9 E ROLL [35.77, -99.62]

05/19/24 17:19 CST	5K	Tornado (EF0, L: 0.20 mi , W: 30 yd)
05/19/24 17:19 CST	0	Source: Emergency Manager

Two storm chasers on different sides of the thunderstorm observed a brief tornado to the east -southeast of Roll. Roger Mills County Emergency Management reported a barn damaged near County Road N1890 to the south of State Highway 47.

CUSTER COUNTY --- 0.8 SW MOOREWOOD [35.73, -99.36]

05/19/24 17:27 CST	0	Hail (0.75 in)
05/19/24 17:27 CST	0	Source: Public

MPing report.

ROGER MILLS COUNTY --- 6.9 NNE STRONG CITY [35.76, -99.53]

05/19/24 17:27 CST	5K	Tornado (EF0, L: 0.50 mi , W: 30 yd)
05/19/24 17:27 CST	0	Source: Emergency Manager

Roger Mills County Emergency Management reported a compressor shed was damaged near the intersection of County Roads N1940 and E0870.

ROGER MILLS COUNTY --- 3.7 N HAMMON [35.68, -99.38]

05/19/24 17:29 CST	0	Hail (0.75 in)
05/19/24 17:29 CST	0	Source: Public

MPing report.

ROGER MILLS COUNTY --- 6.7 ENE STRONG CITY [35.70, -99.49], 5.7 NW HAMMON [35.68, -99.46]

05/19/24 17:43 CST	10K	Tornado (EF0, L: 1.92 mi , W: 30 yd)
05/19/24 17:46 CST	0	Source: Storm Chaser

Multiple storm chasers reported observing a tornado northwest of Hammon. An mPing report was received of damage along County Road N1970, and Roger Mills County Emergency Management reported damage to a barn and trees near the intersection of E0920 and N1982 Roads.

CUSTER COUNTY --- 5.8 N BUTLER [35.72, -99.20]

05/19/24 17:54 CST	0	Hail (1.00 in)
05/19/24 17:54 CST	0	Source: Public

MPing report.

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CUSTER COUNTY --- 6.8 N BUTLER [35.74, -99.20]				
	05/19/24 17:56 CST		0	Hail (1.00 in)
	05/19/24 17:56 CST		0	Source: Public
MPing report.				
CUSTER COUNTY --- 0.5 WSW MOOREWOOD [35.74, -99.36]				
	05/19/24 17:57 CST		0	Hail (2.75 in)
	05/19/24 17:57 CST		0	Source: Public
MPing report.				
CUSTER COUNTY --- BUTLER [35.64, -99.19]				
	05/19/24 18:15 CST		25K	Thunderstorm Wind (EG 70 kt)
	05/19/24 18:15 CST		0	Source: NWS Storm Survey
Thunderstorms winds, likely associated with the rear flank downdraft (RFD) of the supercell moving across Custer County, produced sporadic tree and power pole damage through Butler. Damage also occurred to equipment at the farm cooperative and at least a couple of buildings in town.				
CUSTER COUNTY --- 3.0 E BUTLER [35.64, -99.14], 7.0 E BUTLER [35.64, -99.07]				
	05/19/24 18:20 CST		75K	Thunderstorm Wind (EG 78 kt)
	05/19/24 18:30 CST		0	Source: NWS Storm Survey
A swath of strong winds were observed by storm chasers and damage associated with these winds were observed by a NWS damage survey team . Research meteorologists with the National Severe Storms Laboratory also made measurements of these strong winds (see separate entries). Damage was observed from near and north of State Highway 33 from about 3 miles east of Butler to 7 miles east and east-northeast of Butler. These winds were likely associated with a strong rear-flank downdraft (RFD) of a supercell thunderstorm that eventually produced a tornado that began 7 miles east-northeast of Butler.				
Through this area of damage, numerous (at least a dozen) outbuildings were significantly damaged or destroyed and at least two houses received roof damage. Numerous trees and power poles were also damaged throughout this area.				
CUSTER COUNTY --- 5.0 E BUTLER [35.64, -99.10]				
	05/19/24 18:24 CST		0	Thunderstorm Wind (MG 68 kt)
	05/19/24 18:24 CST		0	Source: Other Federal Agency
National Severe Storms Laboratory Mobile Mesonet observation.				
CUSTER COUNTY --- 6.5 E BUTLER [35.64, -99.07]				
	05/19/24 18:27 CST		0	Thunderstorm Wind (MG 70 kt)
	05/19/24 18:27 CST		0	Source: Other Federal Agency
National Severe Storms Laboratory Mobile Mesonet observation.				
CUSTER COUNTY --- 7.1 ENE BUTLER [35.67, -99.07], 4.9 WNW CUSTER CITY [35.69, -98.96]				
	05/19/24 18:28 CST		0.25M	Tornado (EF2, L: 6.70 mi , W: 1760 yd)
	05/19/24 18:44 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>A television storm chaser observed this tornado develop northwest of E 0930 Road and N2205 Road moving southeast crossing E0930 Road. Initially the tornado was a narrow tornado, then as it turned east-northeast quickly become a large multiple-vortex tornado as observed visually and in the damage pattern. The total damage width was about 2.7 miles along N2240 Road, including both damaging inflow winds north of the tornado and very strong damaging Rear Flank Downdraft (RFD) winds south of the tornado, but the tornado width itself was about one mile wide based on the damage survey and preliminary mobile radar data from Texas Tech University. The tornado narrowed as it approached US-183 near E0920 Road and dissipated soon afterwards.</p> <p>Although tree and power pole damage was observed along the entire path, the most significant structure damage occurred along E020 Road from near N2240 Road to just east of US-183. At least two outbuildings were destroyed and two others damaged and one home had roof damage. As the tornado approached N2260 Road, a trailer and a rail car used for storage were blown a significant distance to the west, despite being on the southern periphery of the damage area, giving further evidence of the multiple-vortex tornado.</p> <p>Preliminary data from a Ka-band mobile research radar from Texas Tech University showed a peak instantaneous velocity of 87.9 m/s (197 mph) at about 30 meters AGL when the tornado was approximately 6 miles west-northwest of Custer City. This was an instantaneous velocity measurement which is not directly compatible with the 3-second average wind velocity used by the EF-scale to determine intensity, but does provide indirect evidence that the tornado was likely stronger locally than the EF2 rating based on the damage survey.</p>				
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CUSTER COUNTY --- 7.6 WNW CUSTER CITY [35.71, -99.00], 5.4 N CUSTER CITY [35.74, -98.89]				
	05/19/24 18:39 CST		0.15M	Tornado (EF1, L: 6.70 mi , W: 400 yd)
	05/19/24 19:02 CST		0	Source: NWS Storm Survey
<p>While the large multiple-vortex tornado was approaching US-183 to the south, another tornado developed to the north along E0900 Road. It moved east along E0900 Road and then turned east-northeast after crossing US-183. The tornado was observed to dissipate north of Custer City by a meteorologist in the field. At least a half dozen outbuildings were significantly damaged and at least two of these were destroyed. In addition, tree and power pole damage was observed along the path.</p>				
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CUSTER COUNTY --- 0.4 NNW CUSTER CITY [35.67, -98.88]				
	05/19/24 18:50 CST		25K	Thunderstorm Wind (EG 65 kt)
	05/19/24 18:50 CST		0	Source: NWS Employee
<p>Relayed image showing the upper portion of a brick exterior wall collapsed due to thunderstorm wind. Time is radar estimated.</p>				
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CUSTER COUNTY --- 6.3 ESE CUSTER CITY [35.63, -98.77], 6.0 N WEATHERFORD [35.62, -98.69]				
	05/19/24 19:05 CST		0.20M	Tornado (EF1, L: 5.00 mi , W: 440 yd)
	05/19/24 19:14 CST		0	Source: NWS Storm Survey
<p>This tornado developed near County Road N2370 north of County Road E0960. It moved southeast and then east crossing State Highway 54 about 6 miles north of Weatherford. One home east of SH-54 suffered significant roof damage and at least two others had some damage to shingles. One mobile home had roof and siding damage, a few outbuildings were damaged or destroyed, and numerous trees and power poles were damaged.</p>				
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CUSTER COUNTY --- 3.2 N WEATHERFORD [35.58, -98.70]				
	05/19/24 19:13 CST		0	Tornado (EFU, L: 0.40 mi , W: 30 yd)
	05/19/24 19:13 CST		0	Source: NWS Storm Survey
<p>Satellite imagery indicated a narrow damage path in a farm field north of Weatherford. The degree of damage could not be determined.</p>				
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CUSTER COUNTY --- 4.4 NE WEATHERFORD [35.58, -98.65]				
	05/19/24 19:14 CST		0	Hail (1.25 in)
	05/19/24 19:14 CST		0	Source: Public
<p>MPing report.</p>				
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CUSTER COUNTY --- 3.9 NNE WEATHERFORD [35.58, -98.67], 4.5 ENE WEATHERFORD [35.57, -98.63]				
	05/19/24 19:15 CST		50K	Thunderstorm Wind (EG 87 kt)
	05/19/24 19:20 CST		0	Source: NWS Storm Survey
<p>A swath of significant straight-line wind damage was identified across portions of far southeastern Custer County, associated with the rear-flank downdraft of a nearby tornadic thunderstorm. Numerous wooden power poles were snapped, large tree limbs blown down and a metal outbuilding along County Road 990 was destroyed. Both the wind path and time are estimated.</p>				
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BLAINE COUNTY --- 18.1 WSW GEARY [35.57, -98.63], 12.4 WSW GEARY [35.55, -98.52]				
	05/19/24 19:20 CST		0.10M	Thunderstorm Wind (EG 87 kt)
	05/19/24 19:35 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>A swath of significant straight-line wind damage was identified across portions of far southern Blaine County, associated with the rear-flank downdraft of a nearby tornadic thunderstorm. Numerous wooden power poles were snapped, large trees uprooted, and a center irrigation pivot was overturned. Multiple wood and metal outbuildings were also damaged, including at least one destroyed, and a house at the intersection of County Road 1000 and Oklahoma Highway 58 had shingles removed. Both the wind path and time are estimated.</p>				
CADDO COUNTY --- 0.4 ESE HYDRO [35.55, -98.57], 1.3 SSE HYDRO [35.53, -98.57]				
	05/19/24 19:24 CST		25K	Tornado (EF0, L: 1.00 mi , W: 40 yd)
	05/19/24 19:25 CST		0	Source: NWS Storm Survey
<p>Numerous people observed a tornado develop at Hydro and move south-southeast crossing Interstate 40 near the State Highway 58 interchange. One semi on the interstate was blown over and an Oklahoma Department of Transportation facility was damaged . This tornado developed on the southern fringe of the storm well south of the primary updraft, and was likely an anticyclonic tornado.</p>				
BLAINE COUNTY --- 9.4 WSW GREENFIELD [35.70, -98.54]				
	05/19/24 19:25 CST		20K	Thunderstorm Wind (EG 70 kt)
	05/19/24 19:25 CST		0	Source: Emergency Manager
<p>Wind damage to barns, two homes and granaries in the vicinity of East 910 Road and North 2500 Road. Time is radar estimated.</p>				
(OK-Z012) GARFIELD				
	05/19/24 19:25 CST		10K	High Wind (MAX 78 kt)
	05/19/24 19:35 CST		0	
CADDO COUNTY --- 3.5 E HYDRO [35.55, -98.52], 3.5 E HYDRO [35.55, -98.52]				
	05/19/24 19:35 CST		10K	Thunderstorm Wind (EG 78 kt)
	05/19/24 19:37 CST		0	Source: NWS Storm Survey
<p>A swath of significant straight-line wind damage was identified across portions of far northern Caddo County, associated with the rear-flank downdraft of a nearby tornadic thunderstorm. Multiple wood power poles along North 2510 Road were snapped. Both the wind path and time are estimated.</p>				
BLAINE COUNTY --- 8.6 SW GEARY [35.55, -98.44]				
	05/19/24 19:37 CST		0	Tornado (EF0, L: 0.05 mi , W: 20 yd)
	05/19/24 19:37 CST		0	Source: Trained Spotter
<p>Numerous spotters and chasers observed an anticyclonic tornado develop west of Bridgeport. Drone imagery of damage by the ranch owner shows the tornado developed in Blaine County less than one hundred yards north of the Caddo County line and moved southeast quickly crossing into Caddo County. Some light tree damage was observed in Blaine County.</p>				
CADDO COUNTY --- 3.3 W BRIDGEPORT [35.55, -98.44], 2.9 W BRIDGEPORT [35.55, -98.43]				
	05/19/24 19:37 CST		5K	Tornado (EF1, L: 0.55 mi , W: 50 yd)
	05/19/24 19:39 CST		0	Source: Storm Chaser
<p>Numerous spotters and chasers observed this anticyclonic tornado that formed on the south periphery of the primary storm. It initially developed in far southern Blaine County less than one hundred yards north of the Caddo County line, then moved southeast into Caddo County. Once in Caddo County, it meandered southeast and east for another one-half mile. Drone imagery of the damage by the ranch owner showed occasional tree damage along the path.</p>				
WOODWARD COUNTY --- 2.2 ENE MOORELAND ARPT [36.49, -99.15]				
	05/19/24 19:45 CST		0	Hail (2.25 in)
	05/19/24 19:45 CST		0	Source: Emergency Manager
<p>Relayed image.</p>				
CANADIAN COUNTY --- 4.5 WNW EL RENO [35.55, -98.04]				
	05/19/24 20:20 CST		0	Thunderstorm Wind (MG 50 kt)
	05/19/24 20:20 CST		0	Source: Mesonet
<p>El Reno (ELRE) Mesonet observation.</p>				
CANADIAN COUNTY --- 6.3 NE UNION CITY [35.45, -97.85], 4.0 WSW YUKON [35.48, -97.81]				
	05/19/24 20:32 CST		0.10M	Tornado (EF2, L: 3.50 mi , W: 300 yd)
	05/19/24 20:48 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Numerous chasers and spotters observed a tornado that touched down just southwest of SW 15th Street and Banner Road and moved northeast dissipating in far western Oklahoma City just southeast of Page Airport, or just northeast of Northwest 10th and Cimarron Road. A few houses suffered significant roof damage or had windows blown in, and a few outbuildings were damaged, but the damage was primarily to trees and power poles along the path.</p> <p>For a while, this was the easternmost of three simultaneous tornadoes occurring in Canadian County.</p>				
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CANADIAN COUNTY --- 2.0 SW EL RENO [35.51, -97.99]				
	05/19/24 20:33 CST		0	Hail (1.25 in)
	05/19/24 20:33 CST		0	Source: Public
MPing report.				
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CANADIAN COUNTY --- 4.2 NNE UNION CITY [35.45, -97.92], 4.0 SSE EL RENO [35.47, -97.94]				
	05/19/24 20:41 CST		5K	Tornado (EF0, L: 2.90 mi , W: 30 yd)
	05/19/24 20:53 CST		0	Source: NWS Storm Survey
<p>This was the westernmost of what for a few minutes were three simultaneous tornadoes in Canadian County and was observed by a number of storm chasers and spotters. The tornado developed southeast of Southwest 15th Street and Alfadale Street, and it damaged a barn and blew a hay bale south-southeast along Southwest 15th Street. The tornado initially moved north or north-northeast before turning northwest and crossing US Highway 81 about a half mile north of Reno Avenue. Street signs were blown over along US-81 before the tornado dissipated west of the highway.</p>				
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CANADIAN COUNTY --- 5.7 NE UNION CITY [35.45, -97.87], 6.9 NE UNION CITY [35.47, -97.86]				
	05/19/24 20:41 CST		2K	Tornado (EF0, L: 1.20 mi , W: 300 yd)
	05/19/24 20:44 CST		0	Source: Storm Chaser
<p>An off-duty Storm Prediction Center meteorologist observed this tornado as one of three simultaneous tornadoes observed in Canadian County. This tornado is estimated to have touched down northwest of Southwest 15th Street and Manning Street and moved northeast. One home received some shingle damage along Reno Avenue between Manning Street and Banner Road.</p>				
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CANADIAN COUNTY --- 0.2 SW YUKON [35.50, -97.74]				
	05/19/24 20:45 CST		0	Hail (2.25 in)
	05/19/24 20:45 CST		0	Source: Broadcast Media
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OKLAHOMA COUNTY --- 1.5 WSW BETHANY [35.50, -97.66]				
	05/19/24 20:49 CST		0	Hail (0.75 in)
	05/19/24 20:49 CST		0	Source: Public
MPing report.				
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CANADIAN COUNTY --- 2.6 ENE YUKON [35.51, -97.70]				
	05/19/24 20:53 CST		0	Hail (1.00 in)
	05/19/24 20:53 CST		0	Source: Public
MPing report.				
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CANADIAN COUNTY --- 4.8 E RICHLAND [35.57, -97.72]				
	05/19/24 21:00 CST		0	Hail (0.75 in)
	05/19/24 21:00 CST		0	Source: Public
MPing report.				
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OKLAHOMA COUNTY --- 1.5 N WARR ACRES [35.54, -97.62]				
	05/19/24 21:00 CST		0	Hail (1.00 in)
	05/19/24 21:00 CST		0	Source: Public
MPing report.				
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OKLAHOMA COUNTY --- 2.1 NNE WARR ACRES [35.55, -97.61]				
	05/19/24 21:00 CST		0	Hail (0.75 in)
	05/19/24 21:00 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MPing report.				
CANADIAN COUNTY --- 0.5 ENE YUKON [35.50, -97.73]				
	05/19/24 21:01 CST		0	Hail (1.00 in)
	05/19/24 21:01 CST		0	Source: Public
MPing report.				
OKLAHOMA COUNTY --- 5.9 WNW THE VILLAGE [35.62, -97.64]				
	05/19/24 21:01 CST		0	Hail (0.75 in)
	05/19/24 21:01 CST		0	Source: Public
MPing report.				
OKLAHOMA COUNTY --- 1.9 SW BETHANY [35.49, -97.66]				
	05/19/24 21:05 CST		0	Hail (1.00 in)
	05/19/24 21:05 CST		0	Source: Public
MPing report.				
CANADIAN COUNTY --- 0.7 SSE YUKON [35.49, -97.74]				
	05/19/24 21:06 CST		0	Hail (1.25 in)
	05/19/24 21:06 CST		0	Source: Public
MPing report.				
OKLAHOMA COUNTY --- 2.4 ENE THE VILLAGE [35.58, -97.51]				
	05/19/24 21:09 CST		0	Hail (0.75 in)
	05/19/24 21:09 CST		0	Source: Public
MPing report.				
OKLAHOMA COUNTY --- 0.1 S (OKC)WILL ROGERS APT [35.39, -97.60]				
	05/19/24 21:10 CST		0	Thunderstorm Wind (MG 65 kt)
	05/19/24 21:10 CST		0	Source: ASOS
Oklahoma City, Will Rogers World Airport (KOKC) observation.				
OKLAHOMA COUNTY --- 1.9 NE (OKC)WILL ROGERS APT [35.41, -97.57]				
	05/19/24 21:10 CST		0	Tornado (EF0, L: 0.10 mi , W: 10 yd)
	05/19/24 21:10 CST		0	Source: Broadcast Media
A chaser from an Oklahoma City television station observed a brief tornado just east of Interstate 44 in southwest Oklahoma City. No damage was reported or could be found by storm survey teams. The tornado was estimated to be near or just northeast of Interstate 44 and SW 59th Street. Although damage was not found, the rotation was visually observed to be weak, therefore an EF0 rating was assigned.				
OKLAHOMA COUNTY --- 2.3 E (OKC)WILL ROGERS APT [35.40, -97.56]				
	05/19/24 21:10 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/19/24 21:10 CST		0	Source: Public
Social media image showing a light pole blown down. Time is radar estimated.				
OKLAHOMA COUNTY --- 2.9 S NICHOLS HILLS [35.51, -97.54]				
	05/19/24 21:13 CST		0	Hail (1.00 in)
	05/19/24 21:13 CST		0	Source: Public
MPing report.				
OKLAHOMA COUNTY --- 2.0 SSW NICOMA PARK [35.46, -97.34]				
	05/19/24 21:20 CST		0	Hail (1.19 in)
	05/19/24 21:20 CST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Relayed image with digital caliper measurement.				
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OKLAHOMA COUNTY --- 2.9 SSW OKLAHOMA CITY [35.43, -97.52]	05/19/24 21:26 CST	0		Hail (1.00 in)
	05/19/24 21:26 CST	0		Source: Public
MPing report.				
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OKLAHOMA COUNTY --- 0.3 SW DEL CITY [35.45, -97.44]	05/19/24 21:28 CST	0		Hail (1.00 in)
	05/19/24 21:28 CST	0		Source: Public
MPing report.				
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OKLAHOMA COUNTY --- 1.7 NNE DEL CITY [35.47, -97.43]	05/19/24 21:29 CST	0		Hail (0.75 in)
	05/19/24 21:29 CST	0		Source: Public
MPing report.				
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GARFIELD COUNTY --- LAHOMA [36.39, -98.09]	05/19/24 21:35 CST	0		Hail (1.00 in)
	05/19/24 21:35 CST	0		Source: Public
MPing report. Additional confirmation from emergency management.				
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OKLAHOMA COUNTY --- 1.5 SW DEL CITY [35.44, -97.46]	05/19/24 21:35 CST	0		Hail (1.75 in)
	05/19/24 21:35 CST	0		Source: Law Enforcement
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OKLAHOMA COUNTY --- 2.0 SSE MIDWEST CITY [35.44, -97.37]	05/19/24 21:38 CST	0		Hail (1.25 in)
	05/19/24 21:38 CST	0		Source: Public
MPing report.				
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OKLAHOMA COUNTY --- 4.5 SSE NICOMA PARK [35.43, -97.30]	05/19/24 21:39 CST	0		Hail (0.75 in)
	05/19/24 21:39 CST	0		Source: Public
MPing report.				
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OKLAHOMA COUNTY --- 2.2 ENE VALLEY BROOK [35.41, -97.44]	05/19/24 21:41 CST	0		Hail (1.50 in)
	05/19/24 21:41 CST	0		Source: Public
MPing report.				
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OKLAHOMA COUNTY --- 2.3 SSW NICOMA PARK [35.46, -97.34]	05/19/24 21:41 CST	0		Hail (1.00 in)
	05/19/24 21:41 CST	0		Source: Public
MPing report.				
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GARFIELD COUNTY --- ENID [36.40, -97.88]	05/19/24 21:43 CST	0		Hail (1.75 in)
	05/19/24 21:43 CST	0		Source: Emergency Manager
<hr/>				
OKLAHOMA COUNTY --- 1.9 NE VALLEY BROOK [35.42, -97.46]	05/19/24 21:44 CST	0		Hail (1.75 in)
	05/19/24 21:44 CST	0		Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Relayed image.				
GARFIELD COUNTY --- 3.3 WNW ENID [36.42, -97.93]				
	05/19/24 21:47 CST		0	Hail (1.75 in)
	05/19/24 21:47 CST		0	Source: Public
MPing report.				
GARFIELD COUNTY --- 3.3 WSW ENID [36.39, -97.94]				
	05/19/24 21:47 CST		0	Hail (1.50 in)
	05/19/24 21:47 CST		0	Source: Public
MPing report.				
GARFIELD COUNTY --- ENID [36.40, -97.88]				
	05/19/24 21:48 CST		0	Hail (2.00 in)
	05/19/24 21:48 CST		0	Source: Emergency Manager
Relayed image with ruler measurement. Time is radar estimated.				
GARFIELD COUNTY --- 0.2 NNE NORTH ENID [36.44, -97.87]				
	05/19/24 21:50 CST		0	Hail (1.00 in)
	05/19/24 21:50 CST		0	Source: Public
MPing report. Time adjusted from radar and additional nearby reports.				
GARFIELD COUNTY --- 1.1 SSW ENID [36.39, -97.89]				
	05/19/24 21:50 CST		0	Hail (1.75 in)
	05/19/24 21:50 CST		0	Source: Public
MPing report.				
GARFIELD COUNTY --- 2.4 SSW ENID [36.37, -97.89]				
	05/19/24 21:50 CST		0	Hail (1.75 in)
	05/19/24 21:50 CST		0	Source: Public
MPing report. Time adjusted from radar and additional nearby reports.				
WOODS COUNTY --- 6.0 NW WAYNOKA [36.65, -98.96], 5.9 NNW WAYNOKA [36.67, -98.92]				
	05/19/24 21:53 CST		10K	Tornado (EF1, L: 2.70 mi , W: 300 yd)
	05/19/24 21:57 CST		0	Source: Emergency Manager
This was the first of two tornadoes that developed in western Woods County to the northwest of Waynoka . A number of trees were snapped along the path and damage to at least two oil field sites.				
GARFIELD COUNTY --- 4.0 ENE NORTH ENID [36.45, -97.80]				
	05/19/24 21:57 CST		0	Hail (0.75 in)
	05/19/24 21:57 CST		0	Source: Public
MPing report.				
WOODS COUNTY --- 5.4 NW WAYNOKA [36.65, -98.94], 5.0 NNW WAYNOKA [36.66, -98.91]				
	05/19/24 22:01 CST		10K	Tornado (EF1, L: 1.50 mi , W: 40 yd)
	05/19/24 22:07 CST		0	Source: Emergency Manager
A second tornado developed in western Woods County to the northwest of Waynoka . A number of trees were snapped or uprooted , a oil tank was blown or rolled about 300 yards and a barn was damaged.				
GRANT COUNTY --- 3.4 NNE NASH [36.72, -98.04]				
	05/19/24 22:04 CST		0	Hail (0.75 in)
	05/19/24 22:04 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MPing report.				
WOODS COUNTY --- 1.9 NNW ALVA [36.83, -98.68]				
	05/19/24 22:40 CST		5K	Thunderstorm Wind (EG 56 kt)
	05/19/24 22:40 CST		0	Source: Emergency Manager
Powerlines down along with nearby damage to a barn. Time is radar estimated.				
ALFALFA COUNTY --- 0.7 W CHEROKEE [36.75, -98.36]				
	05/19/24 23:15 CST		0	Thunderstorm Wind (MG 52 kt)
	05/19/24 23:15 CST		0	Source: Mesonet
Cherokee (CHER) Mesonet observation.				
WOODS COUNTY --- 1.9 S ALVA [36.77, -98.67]				
	05/19/24 23:15 CST		0	Thunderstorm Wind (MG 50 kt)
	05/19/24 23:15 CST		0	Source: AWOS
Alva Regional Airport (KAVK) observation.				
PAYNE COUNTY --- 3.0 WSW GLENCOE [36.22, -96.98]				
	05/20/24 00:25 CST		0	Hail (0.75 in)
	05/20/24 00:25 CST		0	Source: Public
MPing report.				
PAYNE COUNTY --- 0.8 WNW GLENCOE [36.23, -96.94], 3.9 S GLENCOE [36.17, -96.94], 4.0 SSE GLENCOE [36.17, -96.91], 1.3 E GLENCOE [36.23, -96.91]				
	05/20/24 01:00 CST		10K	Flash Flood (due to Heavy Rain)
	05/20/24 04:00 CST		0	Source: Emergency Manager
Roadway flooding in the community of Glencoe and along portions of Oklahoma Highway 108 three miles south of the community. Relayed image showing a portion of VFW road washed out. Event time is approximate.				
<p>Significant severe weather occurred across portions of western into central Oklahoma from the late afternoon of the 19th through early morning on the 20th. Aloft, a strong and compact upper wave moved across portions of Kansas during the afternoon. While most severe weather outcomes were expected further north of the WFO Norman area, a few supercell thunderstorms developed along a trailing dryline near the 100th meridian. This included a powerful supercell thunderstorm that moved from Hemphill County, Texas (WFO Amarillo, Texas) into portions of Roger Mills/Custer/Washita/Blaine/Canadian/Oklahoma counties during the afternoon into late evening hours. This thunderstorm was responsible for thirteen (13) tornadoes, including significant tornadoes west of Custer City and near Yukon, Oklahoma. Significant damaging wind gusts/damage and large to very large hail also occurred with this thunderstorm. Additional hail-producing supercells developed into portions of northwestern Oklahoma during the evening, with one becoming briefly tornadic during the late evening across Woods County, Oklahoma.</p>				
CANADIAN COUNTY --- 1.3 S EL RENO [35.51, -97.96]				
	05/22/24 05:47 CST		0	Hail (1.00 in)
	05/22/24 05:47 CST		0	Source: Public
MPing report. Time is radar estimated.				
CANADIAN COUNTY --- 1.2 WNW YUKON [35.51, -97.76]				
	05/22/24 06:06 CST		0	Hail (0.75 in)
	05/22/24 06:06 CST		0	Source: Public
MPing report.				
CANADIAN COUNTY --- 0.8 WSW YUKON [35.49, -97.75]				
	05/22/24 06:08 CST		0	Hail (0.75 in)
	05/22/24 06:08 CST		0	Source: Public
MPing report.				
OKLAHOMA COUNTY --- 1.2 N HARRAH [35.51, -97.16]				

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/22/24 06:25 CST		0	Thunderstorm Wind (EG 61 kt)
	05/22/24 06:25 CST		0	Source: Fire Department/Rescue
Relayed image showing a large tree blown down near the intersection of Northeast 36th Street and North Harrah Road. Time is radar estimated.				
POTTAWATOMIE COUNTY --- 2.9 NNW SHAWNEE [35.36, -96.95]				
	05/22/24 06:40 CST		0	Thunderstorm Wind (MG 51 kt)
	05/22/24 06:40 CST		0	Source: Mesonet
Shawnee (SHAW) Mesonet observation.				
COMANCHE COUNTY --- 1.8 NW (FSI)FORT SILL [34.69, -98.40]				
	05/22/24 06:45 CST		0	Hail (1.00 in)
	05/22/24 06:45 CST		0	Source: Amateur Radio
COMANCHE COUNTY --- 2.9 WSW (FSI)FORT SILL [34.65, -98.43]				
	05/22/24 06:47 CST		0	Hail (0.75 in)
	05/22/24 06:47 CST		0	Source: Public
MPing report.				
SEMINOLE COUNTY --- CROMWELL [35.34, -96.45]				
	05/22/24 07:12 CST		5K	Thunderstorm Wind (EG 52 kt)
	05/22/24 07:12 CST		0	Source: Emergency Manager
Tree limbs and powerlines blown down in the community of Cromwell. Time is radar estimated.				
MURRAY COUNTY --- 3.7 N DOUGHERTY [34.45, -97.05]				
	05/22/24 08:30 CST		0	Thunderstorm Wind (EG 61 kt)
	05/22/24 08:30 CST		0	Source: Public
A fisherman took video of a gustnado that developed on Lake Of The Arbuckles and damaged trees as it moved onshore.				
JOHNSTON COUNTY --- 2.6 NW TROY [34.36, -96.81]				
	05/22/24 08:52 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/22/24 08:52 CST		0	Source: Broadcast Media
Two power poles snapped near the intersection of Oklahoma Highways 1 and 7. Time is radar estimated.				
PONTOTOC COUNTY --- 6.2 S FITTSTOWN [34.52, -96.63]				
	05/22/24 09:00 CST		0	Thunderstorm Wind (EG 52 kt)
	05/22/24 09:00 CST		0	Source: Emergency Manager
A large tree limb blown down along U.S. Highway 377. Time is radar estimated.				
PONTOTOC COUNTY --- 7.2 S FITTSTOWN [34.51, -96.63]				
	05/22/24 09:02 CST		0	Hail (1.75 in)
	05/22/24 09:02 CST		0	Source: Emergency Manager
JOHNSTON COUNTY --- 4.6 NW BROMIDE [34.47, -96.55]				
	05/22/24 09:10 CST		0	Hail (1.25 in)
	05/22/24 09:10 CST		0	Source: Public
MPing report.				
COAL COUNTY --- 3.9 SW LEHIGH [34.43, -96.27]				
	05/22/24 09:33 CST		0	Hail (1.00 in)
	05/22/24 09:33 CST		0	Source: COOP Observer
ATOKA COUNTY --- 5.0 NE BOGGY DEPOT STATE PARK [34.37, -96.25]				

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/22/24 09:35 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/22/24 09:35 CST		0	Source: Emergency Manager

Tree blown down onto a powerline along Wards Chapel Road. Time is radar estimated.

ATOKA COUNTY --- 2.2 NW ATOKA [34.40, -96.15]

	05/22/24 09:39 CST		0	Thunderstorm Wind (EG 61 kt)
	05/22/24 09:39 CST		0	Source: Public

Estimated wind gust.

ATOKA COUNTY --- 0.2 NNE ATOKA [34.38, -96.13]

	05/22/24 09:54 CST		0	Hail (0.75 in)
	05/22/24 09:54 CST		0	Source: Public

MPing report. Based on radar evidence, hailfall likely occurred prior (0940-0950 LST) to report time.

ATOKA COUNTY --- 3.5 N LANE [34.35, -95.98]

	05/22/24 09:55 CST		0	Thunderstorm Wind (EG 61 kt)
	05/22/24 09:55 CST		0	Source: Public

Social media video showing several large trees blown down. Time is radar estimated.

COAL COUNTY --- 4.4 NE COTTONWOOD [34.61, -96.15]

	05/22/24 11:33 CST		0	Hail (1.00 in)
	05/22/24 11:33 CST		0	Source: Public

MPing report. Based on radar evidence, hailfall likely occurred prior (1125-1130 LST) to report time.

BRYAN COUNTY --- 1.0 SW CALERA [33.92, -96.44]

	05/22/24 12:21 CST		0	Hail (1.00 in)
	05/22/24 12:21 CST		0	Source: Emergency Manager

Hail size increased from pea to quarter from 1213-1221 LST.

Scattered thunderstorms developed near daybreak on the 22nd across central into southwest Oklahoma near a surface frontal boundary. While most thunderstorm development occurred behind the front (i.e. anafrontal storms), strong organizing wind shear and instability promoted the organization of a few storms into supercells or strong multi-cell clusters. Large hail and damaging wind gusts occurred (intermittently) across central, east-central and southeast Oklahoma into the early afternoon.

COMANCHE COUNTY --- 1.8 WNW LAWTON [34.62, -98.42]

	05/22/24 23:30 CST		0	Hail (0.75 in)
	05/22/24 23:30 CST		0	Source: Trained Spotter

Relayed through Spotter Network.

COMANCHE COUNTY --- 4.6 W LAWTON [34.60, -98.47]

	05/22/24 23:30 CST		0	Hail (1.00 in)
	05/22/24 23:30 CST		0	Source: Public

MPing report. Additional confirmation from broadcast media.

COMANCHE COUNTY --- 2.0 NNE LAWTON [34.64, -98.38]

	05/22/24 23:38 CST		0	Hail (0.75 in)
	05/22/24 23:38 CST		0	Source: Public

MPing report.

MURRAY COUNTY --- 1.3 WSW SULPHUR [34.51, -96.99]

	05/23/24 01:05 CST		0	Hail (1.75 in)
	05/23/24 01:05 CST		0	Source: Law Enforcement

Relayed by 911 call center. Time is radar estimated.

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MURRAY COUNTY --- 0.7 NE SULPHUR [34.52, -96.96]				
	05/23/24 01:08 CST	0		Hail (1.00 in)
	05/23/24 01:08 CST	0		Source: Public
MPing report.				
OKLAHOMA COUNTY --- 2.9 E (OKC)WILL ROGERS APT [35.39, -97.55]				
	05/23/24 15:18 CST	0		Hail (1.00 in)
	05/23/24 15:18 CST	0		Source: Public
MPing report.				
OKLAHOMA COUNTY --- 2.7 WSW VALLEY BROOK [35.39, -97.53]				
	05/23/24 15:20 CST	0		Hail (1.00 in)
	05/23/24 15:20 CST	0		Source: Public
MPing report.				
OKLAHOMA COUNTY --- 1.7 ENE (OKC)WILL ROGERS APT [35.40, -97.57]				
	05/23/24 15:24 CST	0		Hail (0.75 in)
	05/23/24 15:24 CST	0		Source: Public
MPing report.				
OKLAHOMA COUNTY --- 0.4 NW OKLAHOMA CITY [35.47, -97.52]				
	05/23/24 15:36 CST	0		Hail (1.00 in)
	05/23/24 15:36 CST	0		Source: Public
MPing report.				
OKLAHOMA COUNTY --- 1.2 WNW OKLAHOMA CITY [35.48, -97.53]				
	05/23/24 15:37 CST	0		Hail (1.13 in)
	05/23/24 15:37 CST	0		Source: Other Federal Agency
Relayed image with ruler measurement.				
OKLAHOMA COUNTY --- 1.6 NNE OKLAHOMA CITY [35.49, -97.50]				
	05/23/24 15:40 CST	0		Hail (1.00 in)
	05/23/24 15:40 CST	0		Source: Emergency Manager
OKLAHOMA COUNTY --- 2.6 N OKLAHOMA CITY [35.51, -97.50]				
	05/23/24 15:41 CST	0		Hail (1.30 in)
	05/23/24 15:41 CST	0		Source: Emergency Manager
Relayed images with ruler measurement.				
OKLAHOMA COUNTY --- 1.9 NNW FOREST PARK [35.54, -97.46]				
	05/23/24 15:43 CST	0		Hail (1.00 in)
	05/23/24 15:43 CST	0		Source: Public
MPing report.				
BECKHAM COUNTY --- 6.1 SSW ERICK [35.13, -99.91]				
	05/23/24 15:47 CST	0		Hail (1.00 in)
	05/23/24 15:47 CST	0		Source: Public
MPing report.				
BECKHAM COUNTY --- 4.9 SSW ERICK [35.15, -99.91]				

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/23/24 16:03 CST		0	Hail (2.00 in)
	05/23/24 16:03 CST		0	Source: Trained Spotter

Relayed by broadcast media.

BECKHAM COUNTY --- 4.0 SSW ERICK [35.16, -99.91]

	05/23/24 16:05 CST		0	Hail (1.00 in)
	05/23/24 16:05 CST		0	Source: Public

MPing report.

BECKHAM COUNTY --- 3.3 SW ERICK [35.17, -99.91]

	05/23/24 16:17 CST		0	Hail (1.75 in)
	05/23/24 16:17 CST		0	Source: Public

MPing report. Hail size increased from quarter to golf ball between 1613-1617 LST.

BECKHAM COUNTY --- 3.0 S ERICK [35.17, -99.87]

	05/23/24 16:18 CST		0	Hail (1.50 in)
	05/23/24 16:18 CST		0	Source: Trained Spotter

Social media image.

BECKHAM COUNTY --- 2.4 SE ERICK [35.19, -99.84]

	05/23/24 16:26 CST		0	Hail (1.00 in)
	05/23/24 16:26 CST		0	Source: Public

MPing report.

HARMON COUNTY --- 2.6 E MADGE [34.90, -99.91]

	05/23/24 16:28 CST		0	Hail (1.00 in)
	05/23/24 16:28 CST		0	Source: Public

MPing report.

BECKHAM COUNTY --- 1.5 SE ERICK [35.19, -99.85]

	05/23/24 16:32 CST		0	Hail (1.00 in)
	05/23/24 16:32 CST		0	Source: Public

MPing report.

BECKHAM COUNTY --- 1.7 NNW ERICK [35.23, -99.88]

	05/23/24 16:33 CST		0	Hail (1.75 in)
	05/23/24 16:33 CST		0	Source: Public

MPing report.

HARMON COUNTY --- 2.6 N HOLLIS [34.73, -99.91]

	05/23/24 16:37 CST		0	Hail (1.75 in)
	05/23/24 16:37 CST		0	Source: Public

MPing report.

HARMON COUNTY --- MC KNIGHT [34.77, -99.91]

	05/23/24 16:40 CST		0	Hail (2.52 in)
	05/23/24 16:40 CST		0	Source: Storm Chaser

Social media image with digital caliper measurement.

HARMON COUNTY --- HOLLIS [34.69, -99.92]

	05/23/24 16:57 CST		0	Hail (2.50 in)
	05/23/24 16:57 CST		0	Source: Broadcast Media

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HARMON COUNTY --- 2.1 S MC KNIGHT [34.74, -99.91]				
	05/23/24 17:00 CST		0	Hail (2.75 in)
	05/23/24 17:00 CST		0	Source: Storm Chaser
Social media image with ruler measurement.				
HARMON COUNTY --- 3.8 WNW GOULD [34.69, -99.83]				
	05/23/24 17:15 CST		0	Thunderstorm Wind (MG 57 kt)
	05/23/24 17:15 CST		0	Source: Mesonet
Hollis (HOLL) Mesonet observation.				
HARMON COUNTY --- 5.7 SW GOULD [34.61, -99.84], 4.9 SW GOULD [34.62, -99.83]				
	05/23/24 17:17 CST		0	Tornado (EF0, L: 0.85 mi , W: 20 yd)
	05/23/24 17:20 CST		0	Source: Storm Chaser
A few storm chasers observed a weak tornado southwest of Gould. This is believed to be a landspout tornado that developed under new updraft bases well south of the primary storm updraft. No damage is known to have occurred.				
HARMON COUNTY --- 1.0 S GOULD [34.66, -99.77]				
	05/23/24 17:20 CST		0	Hail (1.75 in)
	05/23/24 17:20 CST		0	Source: Other Federal Agency
Hail size increased from ping pong ball to golf ball between 1718-1720 LST.				
HARMON COUNTY --- 4.8 S MC QUEEN [34.60, -99.70]				
	05/23/24 17:22 CST		0	Hail (1.25 in)
	05/23/24 17:22 CST		0	Source: Public
MPing report.				
BECKHAM COUNTY --- 2.4 S SAYRE [35.27, -99.64]				
	05/23/24 17:31 CST		0	Hail (1.00 in)
	05/23/24 17:31 CST		0	Source: Public
MPing report.				
JACKSON COUNTY --- 0.9 N OLUSTEE [34.56, -99.42]				
	05/23/24 17:59 CST		0	Hail (1.00 in)
	05/23/24 17:59 CST		0	Source: Public
MPing report.				
JACKSON COUNTY --- 7.5 SW DUKE [34.58, -99.66], 5.4 E DUKE [34.65, -99.48]				
	05/23/24 18:04 CST		0.30M	Tornado (EF2, L: 15.10 mi , W: 2000 yd)
	05/23/24 18:57 CST		0	Source: NWS Storm Survey
A large, multiple vortex tornado began just east of the Harmon/Jackson County line approximately 7.5 miles southwest of Duke. This tornado moved slowly southeast, then turned more easterly as it approached County Road N1880. One house west of N1880 Road had most of the shingles and some decking removed. The tornado caused tree damage crossing N1880 Road, then continued east breaking power poles across 1.2 miles as it crossed State Highway 34. East of State Highway 34, a mobile home was blown northeast about 75 yards down a hill, and a metal canopy garage was destroyed. The tornado turned northeast for the next five miles. One home received roof damage, and some farm equipment, trees and power poles were damaged. As the tornado approached County Road N1960, it turned north with the centerline moving very close to N1960 Road for the last 2.5 miles. At least two homes and two mobile homes suffered significant roof damage, and at least four barns our outbuildings were destroyed near N1960 Road as this tornado approached and crossed US-62. The tornado finally dissipated along N1960 road about 2/3 of a mile north of US-62.				
JACKSON COUNTY --- 3.5 E DUKE [34.65, -99.51]				
	05/23/24 18:25 CST		0	Hail (3.50 in)
	05/23/24 18:25 CST		0	Source: Storm Chaser
Social media image.				

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
JACKSON COUNTY --- 5.6 S DUKE [34.58, -99.55], 6.3 S DUKE [34.57, -99.56]				
	05/23/24 18:25 CST		10K	Tornado (EF0, L: 0.90 mi , W: 40 yd)
	05/23/24 18:27 CST		0	Source: Storm Chaser
A satellite tornado was observed moving south around the circulation of the primary tornado . This tornado damaged a home as it crossed E1680 Road just east of SH-34.				
JACKSON COUNTY --- 0.4 WSW OLUSTEE [34.55, -99.43]				
	05/23/24 18:43 CST		0	Hail (2.00 in)
	05/23/24 18:43 CST		0	Source: Public
MPing report.				
JACKSON COUNTY --- 4.2 ENE OLUSTEE [34.56, -99.35]				
	05/23/24 18:43 CST		0	Hail (0.75 in)
	05/23/24 18:43 CST		0	Source: Public
MPing report.				
JACKSON COUNTY --- 2.2 WNW (LTS)ALTUS AFB [34.67, -99.33]				
	05/23/24 18:58 CST		0	Hail (1.75 in)
	05/23/24 18:58 CST		0	Source: Public
MPing report. Hailstones of similar size observed at this location through 1902 LST.				
JACKSON COUNTY --- 2.0 WNW (LTS)ALTUS AFB [34.67, -99.32]				
	05/23/24 19:10 CST		0	Hail (2.00 in)
	05/23/24 19:10 CST		0	Source: Public
MPing report.				
JACKSON COUNTY --- 5.3 W ALTUS [34.65, -99.42], 4.0 N OLUSTEE [34.61, -99.42], 3.5 SE ALTUS [34.61, -99.28], 1.6 NNE (LTS)ALTUS AFB [34.68, -99.28], 3.1 NNW ALTUS [34.68, -99.35], 1.5 NW ALTUS [34.65, -99.35]				
	05/23/24 19:15 CST		0	Flash Flood (due to Heavy Rain)
	05/23/24 23:15 CST		0	Source: Public
Multiple broadcast media and social media confirmations of roadway flooding in and around the community of Altus . This included along portions of U.S. Highway 62 west of the community. Event time is approximate.				
JACKSON COUNTY --- 0.7 ESE (LTS)ALTUS AFB [34.66, -99.28]				
	05/23/24 19:18 CST		0	Hail (1.25 in)
	05/23/24 19:18 CST		0	Source: Public
MPing report.				
JACKSON COUNTY --- 3.6 S BLAIR [34.73, -99.32]				
	05/23/24 19:18 CST		0	Hail (1.00 in)
	05/23/24 19:18 CST		0	Source: Public
MPing report.				
JACKSON COUNTY --- 3.7 S ALTUS [34.59, -99.34]				
	05/23/24 19:20 CST		0	Thunderstorm Wind (MG 52 kt)
	05/23/24 19:20 CST		0	Source: Mesonet
Altus (ALTU) Mesonet observation.				
JACKSON COUNTY --- 1.5 ESE (LTS)ALTUS AFB [34.65, -99.27]				
	05/23/24 19:25 CST		0	Thunderstorm Wind (MG 53 kt)
	05/23/24 19:25 CST		0	Source: ASOS
Altus Air Force Base (KLTS) observation.				

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
JACKSON COUNTY --- 3.7 S ALTUS [34.59, -99.34]				
	05/23/24 19:25 CST		0	Thunderstorm Wind (MG 59 kt)
	05/23/24 19:25 CST		0	Source: Mesonet
Altus (ALTU) Mesonet observation.				
JACKSON COUNTY --- 2.2 WNW (LTS)ALTUS AFB [34.67, -99.33]				
	05/23/24 19:27 CST		0	Hail (0.75 in)
	05/23/24 19:27 CST		0	Source: Public
MPing report.				
JACKSON COUNTY --- 3.7 S ALTUS [34.59, -99.34]				
	05/23/24 19:30 CST		0	Thunderstorm Wind (MG 56 kt)
	05/23/24 19:30 CST		0	Source: Mesonet
Altus (ALTU) Mesonet observation.				
JACKSON COUNTY --- 3.7 S ALTUS [34.59, -99.34]				
	05/23/24 19:35 CST		0	Thunderstorm Wind (MG 58 kt)
	05/23/24 19:35 CST		0	Source: Mesonet
Altus (ALTU) Mesonet observation.				
JACKSON COUNTY --- 2.0 WNW (LTS)ALTUS AFB [34.67, -99.32]				
	05/23/24 19:37 CST		0	Hail (1.00 in)
	05/23/24 19:37 CST		0	Source: Public
MPing report.				
JACKSON COUNTY --- DUKE [34.66, -99.57]				
	05/23/24 19:37 CST		0	Hail (1.75 in)
	05/23/24 19:37 CST		0	Source: Broadcast Media
JACKSON COUNTY --- DUKE [34.66, -99.57]				
	05/23/24 19:40 CST		0	Hail (2.75 in)
	05/23/24 19:40 CST		0	Source: Storm Chaser
Social media images. Time is estimated.				
JACKSON COUNTY --- 4.3 S FRIENDSHIP [34.64, -99.22]				
	05/23/24 19:47 CST		0	Hail (1.50 in)
	05/23/24 19:47 CST		0	Source: Public
MPing report.				
JACKSON COUNTY --- 2.9 E BLAIR [34.78, -99.28]				
	05/23/24 19:50 CST		0	Hail (0.75 in)
	05/23/24 19:50 CST		0	Source: Public
MPing report.				
JACKSON COUNTY --- 5.6 ESE DUKE [34.64, -99.47]				
	05/23/24 19:52 CST		0	Hail (1.00 in)
	05/23/24 19:52 CST		0	Source: Public
MPing report.				
JACKSON COUNTY --- 4.8 S ALTUS [34.57, -99.33]				

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/23/24 20:09 CST		0	Hail (1.00 in)
	05/23/24 20:09 CST		0	Source: Public

MPing report.

(OK-Z023) CADDO, (OK-Z038) COMANCHE

05/23/24 21:00 CST	10K	High Wind (MAX 61 kt)
05/23/24 21:35 CST	0	

COMANCHE COUNTY --- 2.3 N LAKE ELLSWORTH DAM [34.82, -98.37]

05/23/24 21:19 CST	0	Hail (1.00 in)
05/23/24 21:19 CST	0	Source: Public

MPing report.

GRADY COUNTY --- 1.8 W NINNEKAH [34.95, -97.95]

05/23/24 21:55 CST	10K	Thunderstorm Wind (EG 61 kt)
05/23/24 21:55 CST	0	Source: Other Federal Agency

Relayed image showing a portable outbuilding blown across U.S. Highway 81. Time is radar estimated.

GRADY COUNTY --- 0.6 S ALEX [34.91, -97.78]

05/23/24 22:10 CST	10K	Thunderstorm Wind (EG 61 kt)
05/23/24 22:10 CST	0	Source: Other Federal Agency

An outbuilding had its roof blown off. Time is radar estimated.

STEPHENS COUNTY --- 7.2 NW VELMA [34.53, -97.76]

05/23/24 23:05 CST	0	Thunderstorm Wind (MG 63 kt)
05/23/24 23:05 CST	0	Source: Mesonet

Ketchum Ranch (KETC) Mesonet observation.

Two primary rounds of severe convection occurred on the 23rd, with the first during the initial hours of the morning and the second during the early into late evening. The early morning round was fostered (in part) by a nocturnal low-level jet/ascent across portions of southwestern into south-central Oklahoma. Multiple reports of hail, including a few of severe-caliber, were received with this activity.

A more impactful round of severe convection emerged by the late afternoon as an upper trough moved into portions of the Plains. Multiple supercell thunderstorms initiated off a dryline near the 100th meridian/far southeastern Texas Panhandle. Strong wind shear, instability and steep lapse rates promoted large to very large hail. As low-level shear increased and an emerging dominant supercell underwent favorable storm-scale interaction(s), significant tornadogenesis occurred. A long-lived and strong tornado occurred across portions of Jackson County, just west of Altus. Additional reports of severe weather were received by late evening from an evolving storm cluster across south-central Oklahoma. An additional supercell thunderstorm produced reports of large hail from the southern into northeastern portions of the Oklahoma City Metropolitan area earlier in the evening.

LOVE COUNTY --- 1.2 N THACKERVILLE [33.81, -97.14]

05/24/24 16:55 CST	0	Hail (0.75 in)
05/24/24 16:55 CST	0	Source: Public

MPing report.

JOHNSTON COUNTY --- RAVIA [34.24, -96.76]

05/24/24 17:09 CST	0	Hail (0.75 in)
05/24/24 17:09 CST	0	Source: Emergency Manager

BRYAN COUNTY --- CARTWRIGHT [33.85, -96.56]

05/24/24 18:10 CST	0	Thunderstorm Wind (EG 65 kt)
05/24/24 18:10 CST	0	Source: Fire Department/Rescue

Trees blown down, including a few that were uprooted.

BRYAN COUNTY --- 4.5 N DURANT EAKER ARPT [33.99, -96.39]

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/24/24 18:25 CST		0	Thunderstorm Wind (EG 61 kt)
	05/24/24 18:25 CST		0	Source: Emergency Manager

Multiple trees blown down, including a few onto roadways, in and around the community of Durant. Time is radar estimated.

The 24th represented a "break" in severe weather potential for much of the WFO Norman Forecast Area. The exception was across far southern into southeastern Oklahoma, where multiple supercell thunderstorms developed along a trailing surface cold front. Reports of large hail and thunderstorm wind damage occurred in areas near the Red River.

JACKSON COUNTY --- 3.7 S ALTUS [34.59, -99.34]

05/25/24 15:00 CST	0	Thunderstorm Wind (MG 51 kt)
05/25/24 15:00 CST	0	Source: Mesonet

Altus (ALTU) Mesonet observation.

JACKSON COUNTY --- 2.8 ESE (LTS)ALTUS AFB [34.64, -99.25]

05/25/24 15:07 CST	0	Hail (0.75 in)
05/25/24 15:07 CST	0	Source: Public

MPing report.

TILLMAN COUNTY --- 0.3 ENE FREDERICK [34.39, -99.02]

05/25/24 15:10 CST	0	Thunderstorm Wind (EG 52 kt)
05/25/24 15:10 CST	0	Source: Law Enforcement

Tree limbs blown down near the intersection of Oklahoma Highway 5/East Gladstone Avenue and North 11th Street. Relayed by emergency management. Time is radar estimated.

TILLMAN COUNTY --- 2.3 SE TIPTON ARPT [34.44, -99.14]

05/25/24 15:20 CST	0	Thunderstorm Wind (MG 50 kt)
05/25/24 15:20 CST	0	Source: Mesonet

Tipton (TIPT) Mesonet observation.

KIOWA COUNTY --- ROOSEVELT [34.85, -99.02]

05/25/24 15:25 CST	0	Hail (2.75 in)
05/25/24 15:25 CST	0	Source: Trained Spotter

KIOWA COUNTY --- ROOSEVELT [34.85, -99.02]

05/25/24 15:28 CST	0	Hail (2.50 in)
05/25/24 15:28 CST	0	Source: NWS Employee

KIOWA COUNTY --- 0.2 WSW (HBR)HOBART AIRPORT [34.99, -99.05]

05/25/24 15:39 CST	0	Thunderstorm Wind (MG 57 kt)
05/25/24 15:39 CST	0	Source: ASOS

Hobart Municipal Airport (KHBR) observation.

KIOWA COUNTY --- 3.0 NE (HBR)HOBART AIRPORT [35.02, -99.01]

05/25/24 15:42 CST	0	Hail (1.75 in)
05/25/24 15:42 CST	0	Source: Storm Chaser

Time is radar estimated.

KIOWA COUNTY --- 0.4 WNW GOTEBO [35.07, -98.88]

05/25/24 15:46 CST	0	Hail (2.75 in)
05/25/24 15:46 CST	0	Source: Public

MPing report. Additional confirmation from broadcast media livestream of at least baseball size hail.

KIOWA COUNTY --- 1.8 W GOTEBO [35.07, -98.90]

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/25/24 15:46 CST		0	Hail (2.50 in)
	05/25/24 15:46 CST		0	Source: Broadcast Media

At least tennis ball size hail noted on livestream video.

KIOWA COUNTY --- 2.4 NE GOTEBO [35.10, -98.84]

	05/25/24 15:50 CST		0	Thunderstorm Wind (MG 57 kt)
	05/25/24 15:50 CST		0	Source: Broadcast Media

Time is radar estimated.

WASHITA COUNTY --- 4.3 SSE CLOUD CHIEF [35.19, -98.82]

	05/25/24 15:58 CST		0	Hail (1.00 in)
	05/25/24 15:58 CST		0	Source: Trained Spotter

Relayed by amateur radio. Location is approximate.

WASHITA COUNTY --- 1.5 NE COLONY [35.36, -98.66]

	05/25/24 16:15 CST		0	Hail (1.75 in)
	05/25/24 16:15 CST		0	Source: Public

Relayed by a trained spotter. Time is radar estimated.

WASHITA COUNTY --- 3.0 ENE CORN [35.39, -98.73]

	05/25/24 16:15 CST		0	Hail (2.50 in)
	05/25/24 16:15 CST		0	Source: Emergency Manager

Time is radar estimated.

CADDO COUNTY --- 4.1 W STECKER [34.95, -98.39]

	05/25/24 16:21 CST		0	Hail (1.00 in)
	05/25/24 16:21 CST		0	Source: Public

MPing report. Time adjusted based on radar imagery.

CADDO COUNTY --- 4.1 SE HYDRO [35.51, -98.53]

	05/25/24 16:25 CST		0	Hail (2.50 in)
	05/25/24 16:25 CST		0	Source: Trained Spotter

Relayed by amateur radio.

CUSTER COUNTY --- 4.5 WSW WEATHERFORD [35.51, -98.78]

	05/25/24 16:25 CST		0	Thunderstorm Wind (MG 56 kt)
	05/25/24 16:25 CST		0	Source: Mesonet

Weatherford (WEAT) Mesonet observation.

ELLIS COUNTY --- 3.5 E ARNETT [36.14, -99.71]

	05/25/24 16:25 CST		0	Hail (1.75 in)
	05/25/24 16:25 CST		0	Source: Public

MPing report. Time adjusted based on radar imagery.

CADDO COUNTY --- HYDRO [35.55, -98.58]

	05/25/24 16:28 CST		0	Hail (2.50 in)
	05/25/24 16:28 CST		0	Source: Public

Social media image. Evidence that the hailstone had undergone prior melting. Time is radar estimated.

ELLIS COUNTY --- 1.7 E ARNETT [36.14, -99.74]

	05/25/24 16:30 CST		0	Hail (3.50 in)
	05/25/24 16:30 CST		0	Source: Broadcast Media

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Time is radar estimated.				
ELLIS COUNTY --- 4.0 E ARNETT [36.14, -99.70]				
	05/25/24 16:30 CST	0		Hail (2.75 in)
	05/25/24 16:30 CST	0		Source: Emergency Manager
Relayed image. Time is radar estimated.				
BLAINE COUNTY --- 7.6 WSW GEARY [35.58, -98.44]				
	05/25/24 16:35 CST	0		Hail (3.00 in)
	05/25/24 16:35 CST	0		Source: Public
Social media image. Time is radar estimated and location is approximate.				
ELLIS COUNTY --- 0.4 WNW FARGO [36.37, -99.63]				
	05/25/24 16:35 CST	0		Hail (1.00 in)
	05/25/24 16:35 CST	0		Source: Public
MPing report.				
WOODWARD COUNTY --- 3.6 NNE WOODWARD ARPT [36.49, -99.50]				
	05/25/24 16:40 CST	0		Hail (1.00 in)
	05/25/24 16:40 CST	0		Source: Public
MPing report. Time adjusted based on radar imagery.				
BLAINE COUNTY --- 6.2 WSW GREENFIELD [35.68, -98.47]				
	05/25/24 16:44 CST	0		Hail (1.25 in)
	05/25/24 16:44 CST	0		Source: Public
MPing report. Hail size increased from quarter to half dollar from 1642-1644 LST.				
BLAINE COUNTY --- 0.4 S GREENFIELD [35.72, -98.38]				
	05/25/24 16:45 CST	0		Hail (1.75 in)
	05/25/24 16:45 CST	0		Source: Public
MPing report. Time adjusted based on radar imagery.				
WOODWARD COUNTY --- 3.5 SW SHARON [36.25, -99.39]				
	05/25/24 16:52 CST	0		Hail (1.00 in)
	05/25/24 16:52 CST	0		Source: Public
MPing report. Time adjusted based on radar imagery.				
WOODWARD COUNTY --- 2.5 SSE SHARON [36.24, -99.33]				
	05/25/24 16:58 CST	0		Hail (1.75 in)
	05/25/24 16:58 CST	0		Source: Trained Spotter
Social media image with ruler measurement.				
WOODWARD COUNTY --- 1.9 NE MUTUAL [36.25, -99.14]				
	05/25/24 17:13 CST	0		Hail (2.50 in)
	05/25/24 17:13 CST	0		Source: Emergency Manager
WOODWARD COUNTY --- 1.5 SW MUTUAL [36.21, -99.19], 1.1 E MUTUAL [36.23, -99.15]				
	05/25/24 17:14 CST	40K		Tornado (EF1, L: 2.60 mi , W: 50 yd)
	05/25/24 17:20 CST	0		Source: Emergency Manager

Storm spotters and chasers observed this tornado developing near Mutual and moving northeast. Emergency management reported that at least two barns were destroyed, a trailer and farm equipment were overturned, a home received minor damage, and a mobile home received roof damage. Power poles were also damaged along the path.

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WOODWARD COUNTY --- 6.7 NNE MUTUAL [36.32, -99.14]				
	05/25/24 17:14 CST	0		Hail (3.00 in)
	05/25/24 17:14 CST	0		Source: Emergency Manager
Time is radar estimated.				
MAJOR COUNTY --- 2.9 N CHESTER [36.26, -98.92]				
	05/25/24 17:19 CST	0		Hail (1.00 in)
	05/25/24 17:19 CST	0		Source: Public
MAJOR COUNTY --- 6.0 N CHESTER [36.31, -98.93]				
	05/25/24 17:23 CST	0		Hail (1.50 in)
	05/25/24 17:23 CST	0		Source: Public
MPing report. Time adjusted based on radar imagery.				
MAJOR COUNTY --- 5.1 NNW CHESTER [36.29, -98.95], 6.7 N CHESTER [36.32, -98.90]				
	05/25/24 17:29 CST	0		Tornado (EFU, L: 3.40 mi , W: 200 yd)
	05/25/24 17:40 CST	0		Source: Storm Chaser
This tornado was observed by storm chasers including research meteorologists from NSSL. The tornado moved northeast in generally inaccessible rural areas and/or canyons north of Chester where damage was not observed. The tornado path is estimated.				
GARFIELD COUNTY --- 1.0 WNW DRUMMOND [36.30, -98.06]				
	05/25/24 17:35 CST	0		Hail (1.75 in)
	05/25/24 17:35 CST	0		Source: Emergency Manager
Time is radar estimated.				
MAJOR COUNTY --- 4.0 W RINGWOOD [36.38, -98.32]				
	05/25/24 17:37 CST	0		Thunderstorm Wind (EG 56 kt)
	05/25/24 17:37 CST	0		Source: Emergency Manager
Multiple tree limbs blown down. Time is radar estimated.				
MAJOR COUNTY --- 3.8 E MENO [36.38, -98.11]				
	05/25/24 17:40 CST	0		Thunderstorm Wind (MG 52 kt)
	05/25/24 17:40 CST	0		Source: Mesonet
Lahoma (LAHO) Mesonet observation.				
MAJOR COUNTY --- 6.7 S FAIRVIEW [36.17, -98.48]				
	05/25/24 17:40 CST	0		Hail (0.75 in)
	05/25/24 17:40 CST	0		Source: Public
MPing report.				
GARFIELD COUNTY --- 1.0 E (END)VANCE AFB ENID [36.34, -97.90]				
	05/25/24 17:43 CST	0		Hail (0.75 in)
	05/25/24 17:43 CST	0		Source: Other Federal Agency
GARFIELD COUNTY --- 0.2 NE LAHOMA [36.39, -98.09]				
	05/25/24 17:44 CST	0		Hail (1.00 in)
	05/25/24 17:44 CST	0		Source: Public
MPing report.				
GARFIELD COUNTY --- 1.0 S ENID [36.39, -97.88]				
	05/25/24 17:45 CST	0		Hail (1.75 in)
	05/25/24 17:45 CST	0		Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Time is radar estimated and location is approximate.

GARFIELD COUNTY --- 2.0 W CARRIER [36.48, -98.06]

	05/25/24 17:45 CST		0	Hail (1.75 in)
	05/25/24 17:45 CST		0	Source: Trained Spotter

Report of golf ball size hail from two miles west towards the center of the community of Carrier. Relayed by emergency management.

MAJOR COUNTY --- 2.9 SW FAIRVIEW [36.24, -98.51]

	05/25/24 17:45 CST		0	Hail (2.50 in)
	05/25/24 17:45 CST		0	Source: Trained Spotter

Social media image. Time is radar estimated.

MAJOR COUNTY --- 3.8 E MENO [36.38, -98.11]

	05/25/24 17:45 CST		0	Thunderstorm Wind (MG 53 kt)
	05/25/24 17:45 CST		0	Source: Mesonet

Lahoma (LAHO) Mesonet observation.

GARFIELD COUNTY --- ENID [36.40, -97.88]

	05/25/24 17:48 CST		0	Hail (1.00 in)
	05/25/24 17:48 CST		0	Source: Other Federal Agency

MAJOR COUNTY --- 3.5 SE FAIRVIEW [36.23, -98.44]

	05/25/24 17:50 CST		0	Hail (2.50 in)
	05/25/24 17:50 CST		0	Source: NWS Employee

Social media image. Time is radar estimated.

MAJOR COUNTY --- FAIRVIEW [36.27, -98.48]

	05/25/24 17:50 CST		0	Hail (2.50 in)
	05/25/24 17:50 CST		0	Source: Trained Spotter

Social media image. Time is radar estimated.

GARFIELD COUNTY --- 0.8 SSW HILLSDALE [36.55, -98.00]

	05/25/24 17:53 CST		0	Hail (2.75 in)
	05/25/24 17:53 CST		0	Source: Emergency Manager

Hail damage to homes, including windows broken out. Time is radar estimated.

GARFIELD COUNTY --- HILLSDALE [36.56, -97.99]

	05/25/24 17:54 CST		0	Hail (1.75 in)
	05/25/24 17:54 CST		0	Source: Emergency Manager

Time is radar estimated.

GARFIELD COUNTY --- 4.3 W KREMLIN [36.55, -97.91]

	05/25/24 17:55 CST		0	Hail (1.75 in)
	05/25/24 17:55 CST		0	Source: Emergency Manager

Time is radar estimated.

MAJOR COUNTY --- 2.7 NNE ISABELLA [36.28, -98.32]

	05/25/24 17:57 CST		0	Hail (1.25 in)
	05/25/24 17:57 CST		0	Source: Emergency Manager

Relayed images. Time is radar estimated.

GARFIELD COUNTY --- DRUMMOND [36.30, -98.04]

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/25/24 18:16 CST		0	Thunderstorm Wind (EG 56 kt)
	05/25/24 18:16 CST		0	Source: Broadcast Media

Estimated wind gust from livestream video. Minor tree damage also noted.

ALFALFA COUNTY --- 0.7 W CHEROKEE [36.75, -98.36]

	05/25/24 18:20 CST		0	Thunderstorm Wind (MG 50 kt)
	05/25/24 18:20 CST		0	Source: Mesonet

Cherokee (CHER) Mesonet observation.

GARFIELD COUNTY --- 2.3 SW ENID [36.38, -97.91]

	05/25/24 18:21 CST		0	Hail (1.50 in)
	05/25/24 18:21 CST		0	Source: Emergency Manager

GARFIELD COUNTY --- 1.0 E (END)VANCE AFB ENID [36.34, -97.90]

	05/25/24 18:23 CST		0	Hail (1.00 in)
	05/25/24 18:23 CST		0	Source: Other Federal Agency

GARFIELD COUNTY --- 1.5 SSE WAUKOMIS [36.26, -97.89]

	05/25/24 18:28 CST		0	Hail (0.75 in)
	05/25/24 18:28 CST		0	Source: Public

MPing report.

GARFIELD COUNTY --- 0.9 SW ENID [36.39, -97.89], 0.9 SW ENID [36.39, -97.89], 0.9 SW ENID [36.39, -97.89], 0.8 SW ENID [36.39, -97.89]

	05/25/24 18:30 CST		0	Flash Flood (due to Heavy Rain)
	05/25/24 21:30 CST		0	Source: Emergency Manager

Roadway flooding at the intersection of U.S. Highways 81 and 412. Event time is approximate.

GARFIELD COUNTY --- 0.1 SW (WDG) WOODRING ARPT [36.38, -97.79]

	05/25/24 18:42 CST		0	Thunderstorm Wind (MG 64 kt)
	05/25/24 18:42 CST		0	Source: AWOS

Enid Woodring Regional Airport (KWVG) observation.

KINGFISHER COUNTY --- 2.6 NNE HENNESSEY [36.15, -97.89]

	05/25/24 18:48 CST		0	Hail (1.00 in)
	05/25/24 18:48 CST		0	Source: Storm Chaser

Social media image.

KINGFISHER COUNTY --- 3.7 N HENNESSEY [36.16, -97.90]

	05/25/24 18:48 CST		0	Hail (2.00 in)
	05/25/24 18:48 CST		0	Source: Public

Social media image. Time is radar estimated.

GARFIELD COUNTY --- 5.1 E BISON [36.21, -97.80]

	05/25/24 18:53 CST		0	Hail (1.25 in)
	05/25/24 18:53 CST		0	Source: Public

MPing report.

LOVE COUNTY --- 5.5 NNE BURNEYVILLE [33.98, -97.26]

	05/25/24 18:54 CST		0	Tornado (EFU, L: 0.30 mi , W: 30 yd)
	05/25/24 18:54 CST		0	Source: Storm Chaser

Storm chasers observed a tornado north-northeast of Burneyville. No damage was reported and the location is estimated.

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GARFIELD COUNTY --- 2.3 W DOUGLAS [36.26, -97.71]				
	05/25/24 18:59 CST		0	Hail (0.88 in)
	05/25/24 18:59 CST		0	Source: Emergency Manager
LOVE COUNTY --- 4.5 WSW OVERBROOK [34.04, -97.21], 4.2 WSW OVERBROOK [34.04, -97.21]				
	05/25/24 19:06 CST		0	Tornado (EFU, L: 0.50 mi , W: 50 yd)
	05/25/24 19:07 CST		0	Source: Storm Chaser
Storm chasers observed a tornado to the west-southwest of Overbrook and northwest of Marietta. No damage was reported and the tornado path is estimated.				
KAY COUNTY --- TONKAWA [36.68, -97.31]				
	05/25/24 19:38 CST		0	Hail (1.50 in)
	05/25/24 19:38 CST		0	Source: Emergency Manager
KAY COUNTY --- 0.9 NE TONKAWA [36.69, -97.30]				
	05/25/24 19:41 CST		0	Hail (1.50 in)
	05/25/24 19:41 CST		0	Source: NWS Employee
Hail was noted to be slightly smaller than golf ball size.				
PAYNE COUNTY --- 3.6 NE (SWO)STILLWATER AIRPORT [36.20, -97.05]				
	05/25/24 19:41 CST		0	Hail (0.75 in)
	05/25/24 19:41 CST		0	Source: Public
MPing report.				
NOBLE COUNTY --- 5.2 E BILLINGS [36.54, -97.35]				
	05/25/24 20:26 CST		0	Hail (1.25 in)
	05/25/24 20:26 CST		0	Source: NWS Employee
NOBLE COUNTY --- 6.3 NE BILLINGS [36.58, -97.35]				
	05/25/24 20:26 CST		0	Hail (2.00 in)
	05/25/24 20:26 CST		0	Source: Public
MPing report. Based on radar evidence, hailfall likely occurred prior (2015-2025 LST) to report time.				
KAY COUNTY --- 1.1 S WHITE EAGLE [36.59, -97.08]				
	05/25/24 20:43 CST		0	Hail (1.75 in)
	05/25/24 20:43 CST		0	Source: Emergency Manager
<p>A severe weather outbreak impacted portions of western Oklahoma and western-north Texas during the afternoon into evening of the 25th. At upper levels, a high-amplitude trough passed across the Plains during the day, with a focused jet ejection across portions of the Texas Panhandle/Oklahoma. The combination of strong dynamics/kinematics, locally extreme instability (objective analysis depiction >6000 J/kg CAPE) and unseasonably rich low-level moisture was sufficient for significant supercell thunderstorms. An initial round of supercells developed across portions of western-north Texas and eventually spread into portions of southwestern and southern Oklahoma through the evening. Additional supercells developed across northwestern Oklahoma, moving into northern Oklahoma by the late evening. All severe hazards, including multiple tornadoes, were observed with the most robust and longest-sustaining storms.</p>				
COTTON COUNTY --- 0.9 SW TEMPLE [34.26, -98.24]				
	05/28/24 00:20 CST		0	Hail (1.75 in)
	05/28/24 00:20 CST		0	Source: Public
MPing report.				
COMANCHE COUNTY --- 3.1 E LAWTON [34.61, -98.33]				
	05/28/24 00:35 CST		10K	Hail (2.00 in)
	05/28/24 00:35 CST		0	Source: Emergency Manager

Relayed image. Additional confirmation from the public of a cracked window. Time is radar estimated.

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CARTER COUNTY --- RATLIFF CITY [34.45, -97.51]				
	05/28/24 00:46 CST		0	Hail (1.50 in)
	05/28/24 00:46 CST		0	Source: Law Enforcement
Relayed by emergency management.				
COMANCHE COUNTY --- 0.1 ESE FAXON [34.46, -98.58]				
	05/28/24 00:46 CST		0	Hail (1.00 in)
	05/28/24 00:46 CST		0	Source: Public
MPing report.				
GARVIN COUNTY --- HENNEPIN [34.51, -97.35]				
	05/28/24 01:05 CST		0	Hail (1.75 in)
	05/28/24 01:05 CST		0	Source: Fire Department/Rescue
Relayed by emergency management. Time is radar estimated.				
GARVIN COUNTY --- 0.9 ENE HENNEPIN [34.51, -97.33]				
	05/28/24 01:10 CST		5K	Thunderstorm Wind (EG 65 kt)
	05/28/24 01:10 CST		0	Source: Emergency Manager
Relayed images showing multiple power poles snapped and at least one large tree limb blown down. Time is radar estimated.				
CADDO COUNTY --- 4.1 W STECKER [34.95, -98.39]				
	05/28/24 01:15 CST		0	Hail (2.40 in)
	05/28/24 01:15 CST		0	Source: Public
Social media image with caliper measurement. Evidence that the hailstone had undergone prior melting. Time is radar estimated.				
GARVIN COUNTY --- 5.9 E HENNEPIN [34.52, -97.25]				
	05/28/24 01:20 CST		0	Hail (1.75 in)
	05/28/24 01:20 CST		0	Source: Fire Department/Rescue
Golf ball size hail noted along Oklahoma Highway 7, east of the community of Hennepin, nearly to the Interstate 35 junction. Emergency management relayed. Time is radar estimated and location is approximate.				
BECKHAM COUNTY --- RETROP [35.16, -99.36]				
	05/28/24 02:30 CST		0	Hail (2.50 in)
	05/28/24 02:30 CST		0	Source: COOP Observer
Time is radar estimated.				
PONTOTOC COUNTY --- ADA [34.77, -96.68]				
	05/28/24 03:00 CST		0	Hail (1.00 in)
	05/28/24 03:00 CST		0	Source: Broadcast Media
JACKSON COUNTY --- DUKE [34.66, -99.57]				
	05/28/24 04:10 CST		0	Hail (1.00 in)
	05/28/24 04:10 CST		0	Source: Trained Spotter
TILLMAN COUNTY --- 1.1 NE FREDERICK [34.40, -99.01]				
	05/28/24 04:58 CST		0	Hail (0.75 in)
	05/28/24 04:58 CST		0	Source: Public
MPing report.				
WOODWARD COUNTY --- 2.8 SE FORT SUPPLY [36.54, -99.54]				
	05/28/24 08:15 CST		0	Hail (1.00 in)
	05/28/24 08:15 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ELLIS COUNTY --- GAGE [36.32, -99.76]				
	05/28/24 08:50 CST	0		Hail (1.00 in)
	05/28/24 08:50 CST	0		Source: Emergency Manager
WOODWARD COUNTY --- 0.9 SSW WOODWARD [36.42, -99.40]				
	05/28/24 08:50 CST	0		Hail (0.88 in)
	05/28/24 08:50 CST	0		Source: Emergency Manager
WOODWARD COUNTY --- 3.9 E WOODWARD [36.43, -99.32]				
	05/28/24 08:50 CST	0		Hail (1.00 in)
	05/28/24 08:50 CST	0		Source: Public
MPing report.				
ELLIS COUNTY --- 5.7 ESE GAGE [36.29, -99.66]				
	05/28/24 08:55 CST	0		Hail (1.00 in)
	05/28/24 08:55 CST	0		Source: Trained Spotter
WOODWARD COUNTY --- 4.4 NNW SHARON [36.34, -99.36]				
	05/28/24 09:00 CST	0		Hail (2.00 in)
	05/28/24 09:00 CST	0		Source: Public
Relayed images. Time is radar estimated.				
WOODWARD COUNTY --- 5.4 SSE WOODWARD [36.36, -99.35]				
	05/28/24 09:00 CST	0		Hail (1.75 in)
	05/28/24 09:00 CST	0		Source: Public
MPing report.				
WOODWARD COUNTY --- 2.8 SW TANGIER [36.39, -99.56]				
	05/28/24 09:25 CST	0		Hail (1.00 in)
	05/28/24 09:25 CST	0		Source: COOP Observer
WOODWARD COUNTY --- MUTUAL [36.23, -99.17]				
	05/28/24 09:39 CST	0		Hail (1.00 in)
	05/28/24 09:39 CST	0		Source: Trained Spotter
CUSTER COUNTY --- CUSTER CITY [35.66, -98.88]				
	05/28/24 11:15 CST	0		Hail (0.88 in)
	05/28/24 11:15 CST	0		Source: Public
WASHITA COUNTY --- 4.9 E COWDEN [35.24, -98.62]				
	05/28/24 12:04 CST	0		Hail (1.00 in)
	05/28/24 12:04 CST	0		Source: Broadcast Media

Numerous hail-producing thunderstorms developed amidst strong low-level jet development/isentropic ascent from the late evening of the 27th through mid-morning of the 28th. Initial hail reports occurred with thunderstorms across the Red River Valley, with additional thunderstorms developing across northwestern Oklahoma by the morning of the 28th. A few very large/significant hailstones were also reported, including in the vicinity of Lawton and Woodward, Oklahoma during this episode.

TEXAS, Western North

WILBARGER COUNTY --- 5.9 WSW LOCKETT [34.05, -99.46]				
	05/02/24 20:00 CST	0		Hail (1.75 in)
	05/02/24 20:00 CST	0		Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Time is radar estimated.

During the evening of the 2nd, a pair of organized (supercell) thunderstorms impacted portions of western-north Texas and east-central Oklahoma, producing reports of large hail.

CLAY COUNTY --- 0.2 E HENRIETTA [33.82, -98.19]

	05/03/24 18:12 CST	0	Hail (1.00 in)
	05/03/24 18:12 CST	0	Source: Public

MPing report.

CLAY COUNTY --- 1.0 N JOLLY [33.88, -98.35]

	05/03/24 18:18 CST	0	Thunderstorm Wind (EG 65 kt)
	05/03/24 18:18 CST	0	Source: Broadcast Media

Power poles snapped along FM2393. Time is radar estimated.

CLAY COUNTY --- 2.2 ENE DEAN [33.96, -98.31]

	05/03/24 18:33 CST	0	Hail (0.75 in)
	05/03/24 18:33 CST	0	Source: Public

MPing report. Based on radar evidence, hailfall likely occurred prior (1825-1830 LST) to report time.

Passage of a weak/low-amplitude upper wave and evidence of coupling between the Polar and Subtropical Jet Streams across the central United States helped to foster scattered convective development during the evening of the 3rd. Initial convection originated across west-central into western-north Texas and, with strong instability and marginally sufficient wind shear in place, became briefly organized. A few instances of hail and thunderstorm wind damage were observed with this convection.

KNOX COUNTY --- 0.1 SSE KNOX CITY [33.42, -99.82]

	05/04/24 17:53 CST	0	Hail (0.88 in)
	05/04/24 17:53 CST	0	Source: Trained Spotter

Relayed through Spotter Network.

Despite a somewhat nebulous upper air pattern, with a weak shortwave trough shifting eastward (into the Ozarks) through the day, scattered diurnal thunderstorms developed along a surface cold front into portions of western-north Texas. Weak wind shear (<30 knots) and sufficient instability promoted multi-cellular storm modes, with a few reports of large hail occurring with locally stronger storms.

ARCHER COUNTY --- 5.9 SSW LAKESIDE CITY [33.75, -98.60]

	05/09/24 10:53 CST	0	Hail (0.88 in)
	05/09/24 10:53 CST	0	Source: Public

Relayed by local fire department.

ARCHER COUNTY --- LAKESIDE CITY [33.83, -98.55]

	05/09/24 11:07 CST	0	Hail (1.00 in)
	05/09/24 11:07 CST	0	Source: Trained Spotter

Time is radar estimated.

WICHITA COUNTY --- 6.0 S PLEASANT VALLEY [33.85, -98.58]

	05/09/24 11:07 CST	0	Hail (1.00 in)
	05/09/24 11:07 CST	0	Source: Trained Spotter

Multiple relayed confirmations by broadcast media and amateur radio.

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

	05/09/24 11:09 CST	0	Hail (1.00 in)
	05/09/24 11:09 CST	0	Source: Public

MPing report.

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WICHITA COUNTY --- 2.7 NW WICHITA FALLS [33.93, -98.53]				
	05/09/24 11:17 CST		0	Hail (1.50 in)
	05/09/24 11:17 CST		0	Source: Trained Spotter
WICHITA COUNTY --- 1.9 S (SPS)SHEPPARD AFB [33.96, -98.49]				
	05/09/24 11:20 CST		0	Hail (1.00 in)
	05/09/24 11:20 CST		0	Source: Public
MPing report.				
WICHITA COUNTY --- 0.8 WSW (SPS)SHEPPARD AFB [33.98, -98.50]				
	05/09/24 11:21 CST		0	Hail (1.25 in)
	05/09/24 11:21 CST		0	Source: Public
MPing report.				
WICHITA COUNTY --- 1.3 WSW (SPS)SHEPPARD AFB [33.98, -98.51]				
	05/09/24 11:25 CST		0	Hail (2.00 in)
	05/09/24 11:25 CST		0	Source: Amateur Radio
Relayed image with ruler measurement. Radar estimated time.				
CLAY COUNTY --- 4.9 N DEAN [34.02, -98.36]				
	05/09/24 11:31 CST		0	Hail (1.00 in)
	05/09/24 11:31 CST		0	Source: Public
MPing report.				
CLAY COUNTY --- 4.3 ENE SHANNON [33.50, -98.20]				
	05/09/24 12:44 CST		0	Hail (1.00 in)
	05/09/24 12:44 CST		0	Source: Fire Department/Rescue
<p>Strong zonal mid/upper-level flow existed across the southern tier of the CONUS during the day on the 9th. This included a weak upper wave passage across portions of the Red River Valley. While a frontal boundary had pushed into portions of north Texas by daybreak, strong (elevated) instability and wind shear remained across southern and central portions of the forecast area. Scattered thunderstorms developed across western-north Texas by the late morning. The most significant storm was a 'left-moving' supercell thunderstorm, which tracked from near Wichita Falls, Texas, towards the southern portion of the Oklahoma City Metropolitan area, producing intermittent reports of large hail.</p>				
WILBARGER COUNTY --- 0.7 WSW LOCKETT [34.08, -99.38]				
	05/16/24 02:38 CST		0	Hail (1.50 in)
	05/16/24 02:38 CST		0	Source: Public
MPing report.				
WILBARGER COUNTY --- 5.8 WNW SANTA ROSA LAKE DAM [33.96, -99.36]				
	05/16/24 02:40 CST		0	Hail (1.75 in)
	05/16/24 02:40 CST		0	Source: Public
MPing report.				
KNOX COUNTY --- 3.1 NW KNOX CITY [33.45, -99.86]				
	05/16/24 04:00 CST		0	Thunderstorm Wind (MG 52 kt)
	05/16/24 04:00 CST		0	Source: Mesonet
Knox City (KNOX) Mesonet observation.				
BAYLOR COUNTY --- BOMARTON [33.51, -99.43]				
	05/16/24 04:35 CST		0	Thunderstorm Wind (EG 56 kt)
	05/16/24 04:35 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Social media image showing minor tree damage. Time is radar estimated.

A weak split-stream upper air pattern was found across the area on the 15th. At the surface, a frontal boundary was positioned near the Oklahoma/Kansas border area, extending into the northern Texas Panhandle. The combination of mesoscale and synoptic forcing mechanisms promoted widely scattered thunderstorm development across western-north Texas by the early morning hours of the 16th. Both large hail and wind damage were observed with the strongest storms through daybreak.

BAYLOR COUNTY --- 4.8 SE SEYMOUR [33.55, -99.19]

05/25/24 14:20 CST	0	Hail (1.00 in)
05/25/24 14:20 CST	0	Source: Storm Chaser

Social media video.

HARDEMAN COUNTY --- 2.5 ENE CHILLICOTHE [34.28, -99.47]

05/25/24 14:36 CST	0	Hail (0.88 in)
05/25/24 14:36 CST	0	Source: Fire Department/Rescue

Relayed by broadcast media.

ARCHER COUNTY --- WINDTHORST [33.58, -98.44]

05/25/24 16:08 CST	0	Hail (1.75 in)
05/25/24 16:08 CST	0	Source: Public

Relayed by amateur radio.

ARCHER COUNTY --- 0.5 ESE WINDTHORST [33.58, -98.43], 1.3 NE WINDTHORST [33.59, -98.42]

05/25/24 16:16 CST	0	Tornado (EF1, L: 1.13 mi , W: 200 yd)
05/25/24 16:19 CST	0	Source: NWS Storm Survey

This tornado was observed by many storm spotters and storm chasers. It developed on the northeast edge of Windthorst damaging trees along Zihlman Road. Otherwise it moved northeast crossing into Clay County just south of Veitenheimer Road .

CLAY COUNTY --- 11.7 W JOY [33.59, -98.42], 9.6 W JOY [33.60, -98.39]

05/25/24 16:19 CST	20K	Tornado (EF1, L: 2.30 mi , W: 200 yd)
05/25/24 16:24 CST	0	Source: NWS Storm Survey

The Windthorst Tornado moved from Archer County into Clay County northeast of Windthorst . The tornado shifted east-northeast and then east after it moved into Clay County. Tree damage was observed soon after it moved into Clay County . A house received some shingle damage and a barn suffered significant roof damage as the tornado approached Conrady Road. The tornado continued east with no additional damage noted before dissipating.

CLAY COUNTY --- 6.9 WSW BLUEGROVE [33.63, -98.34], 3.5 WSW BLUEGROVE [33.65, -98.29]

05/25/24 16:33 CST	2K	Tornado (EF1, L: 3.40 mi , W: 100 yd)
05/25/24 16:41 CST	0	Source: NWS Storm Survey

This tornado was observed by storm spotters and chasers including off-duty NWS meteorologists. Trees were snapped along FM-1883 west of the community of Deer Creek. Otherwise the specific path was estimated.

A severe weather outbreak impacted portions of western Oklahoma and western-north Texas during the afternoon into evening of the 25th. At upper levels, a high-amplitude trough passed across the Plains during the day, with a focused jet ejection across portions of the Texas Panhandle/Oklahoma. The combination of strong dynamics/kinematics, locally extreme instability (objective analysis depiction >6000 J/kg CAPE) and unseasonably rich low-level moisture was sufficient for significant supercell thunderstorms. An initial round of supercells developed across portions of western-north Texas and eventually spread into portions of southwestern and southern Oklahoma through the evening. All severe hazards, including multiple tornadoes, were observed with the most robust and longest-sustaining storms.

BAYLOR COUNTY --- SEYMOUR [33.59, -99.26]

05/27/24 22:49 CST	0	Hail (1.00 in)
05/27/24 22:49 CST	0	Source: Emergency Manager

WICHITA COUNTY --- IOWA PARK [33.95, -98.67]

05/28/24 01:13 CST	0	Hail (1.00 in)
05/28/24 01:13 CST	0	Source: Trained Spotter

Relayed by amateur radio.

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WICHITA COUNTY --- 3.0 SW WICHITA FALLS [33.88, -98.53]				
	05/28/24 01:14 CST		0	Hail (0.88 in)
	05/28/24 01:14 CST		0	Source: Trained Spotter

Relayed by amateur radio. Location is approximate.

WICHITA COUNTY --- 0.8 SSE IOWA PARK [33.94, -98.66]				
	05/28/24 01:16 CST		0	Hail (1.00 in)
	05/28/24 01:16 CST		0	Source: Public

MPing report.

CLAY COUNTY --- 0.5 WNW HENRIETTA [33.82, -98.20]				
	05/28/24 02:10 CST		0	Hail (0.88 in)
	05/28/24 02:10 CST		0	Source: Amateur Radio

CLAY COUNTY --- 4.7 SE HENRIETTA [33.77, -98.14]				
	05/28/24 02:25 CST		0	Hail (1.25 in)
	05/28/24 02:25 CST		0	Source: Public

Time is radar estimated.

WICHITA COUNTY --- 1.0 NW BURKBURNETT [34.10, -98.57]				
	05/28/24 04:30 CST		0	Hail (0.88 in)
	05/28/24 04:30 CST		0	Source: Trained Spotter

Relayed by amateur radio. Time is radar estimated.

Numerous hail-producing thunderstorms developed amidst strong low-level jet development/isentropic ascent from the late evening of the 27th through mid-morning of the 28th. Initial hail reports occurred with thunderstorms across the Red River Valley, with additional thunderstorms developing across northwestern Oklahoma by the morning of the 28th. A few very large/significant hailstones were also reported, including in the vicinity of Lawton and Woodward, Oklahoma during this episode.

HARDEMAN COUNTY --- 3.4 W GOODLETT [34.34, -99.94]				
	05/30/24 03:26 CST		0	Thunderstorm Wind (MG 52 kt)
	05/30/24 03:26 CST		0	Source: Mesonet

Goodlett (GOOD) Mesonet observation.

FOARD COUNTY --- 11.7 SSW CROWELL [33.82, -99.79]				
	05/30/24 08:52 CST		0	Thunderstorm Wind (EG 56 kt)
	05/30/24 08:52 CST		0	Source: Trained Spotter

Relayed by 911 call center.

A few briefly severe clusters of thunderstorms moved across portions of the Texas Rolling Plains during the early morning of the 30th, producing reports of severe winds.