

Storm Data and Unusual Weather Phenomena - October 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OKLAHOMA, Western, Central and Southeast				
(OK-Z008) KAY, (OK-Z012) GARFIELD, (OK-Z013) NOBLE, (OK-Z016) CUSTER, (OK-Z021) BECKHAM, (OK-Z022) WASHITA, (OK-Z023) CADDO, (OK-Z027) GRADY, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z038) COMANCHE, (OK-Z039) STEPHENS, (OK-Z044) COTTON, (OK-Z045) JEFFERSON, (OK-Z046) CARTER, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN				
	10/01/24 00:00 CST		0	Drought
	10/31/24 23:59 CST		0	
A very dry month of October, with rainfall deficits of 2 to 4 inches, worsened drought conditions across much of the area. A dynamic system brought widespread precipitation on the 30th, helping improve conditions heading into November (see separate entry on this month).				
(OK-Z007) GRANT				
	10/08/24 06:00 CST		0	Drought
	10/31/24 23:59 CST		0	
A very dry month of October, with rainfall deficits of 2 to 4 inches, worsened drought conditions across much of the area. A dynamic system brought widespread precipitation on the 30th, helping improve conditions heading into November (see separate entry on this month).				
(OK-Z018) KINGFISHER, (OK-Z019) LOGAN, (OK-Z020) PAYNE, (OK-Z041) MURRAY, (OK-Z047) JOHNSTON, (OK-Z048) ATOKA				
	10/15/24 06:00 CST		0	Drought
	10/31/24 23:59 CST		0	
A very dry month of October, with rainfall deficits of 2 to 4 inches, worsened drought conditions across much of the area. A dynamic system brought widespread precipitation on the 30th, helping improve conditions heading into November (see separate entry on this month).				
(OK-Z004) HARPER, (OK-Z005) WOODS, (OK-Z006) ALFALFA, (OK-Z007) GRANT, (OK-Z008) KAY, (OK-Z009) ELLIS, (OK-Z010) WOODWARD, (OK-Z011) MAJOR, (OK-Z012) GARFIELD, (OK-Z013) NOBLE, (OK-Z014) ROGER MILLS, (OK-Z015) DEWEY, (OK-Z016) CUSTER, (OK-Z017) BLAINE, (OK-Z018) KINGFISHER, (OK-Z019) LOGAN, (OK-Z020) PAYNE, (OK-Z021) BECKHAM, (OK-Z022) WASHITA, (OK-Z024) CANADIAN, (OK-Z025) OKLAHOMA				
	10/16/24 00:00 CST		0	Frost/Freeze
	10/16/24 08:00 CST		0	
The first freeze of the fall/winter season affected portions of western, central and northern Oklahoma during the early morning of the 16th.				
(OK-Z032) HUGHES				
	10/19/24 11:00 CST		50K	Wildfire
	10/31/24 08:00 CST		0	
Warm temperatures, gusty winds and very dry fuels combined to create conditions favorable for fire starts and spread on the 19th.				
(OK-Z017) BLAINE, (OK-Z024) CANADIAN, (OK-Z026) LINCOLN, (OK-Z040) GARVIN, (OK-Z043) COAL				
	10/22/24 06:00 CST		0	Drought
	10/31/24 23:59 CST		0	
A very dry month of October, with rainfall deficits of 2 to 4 inches, worsened drought conditions across much of the area. A dynamic system brought widespread precipitation on the 30th, helping improve conditions heading into November (see separate entry on this month).				
(OK-Z038) COMANCHE				
	10/24/24 14:17 CST		10M	Wildfire
	10/31/24 23:59 CST		0	
Record warm temperatures, gusty winds and very dry fuels combined to create conditions favorable for fire starts and spread on the 24th.				
(OK-Z008) KAY, (OK-Z022) WASHITA				

Storm Data and Unusual Weather Phenomena - October 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	10/28/24 15:15 CST		0	High Wind (MAX 52 kt)
	10/29/24 10:32 CST		0	

A high-amplitude upper trough occupied much of the western CONUS beginning on the 28th. Strong lee cyclogenesis occurred across the High Plains as mid- and upper-level flow increased across the Continental Divide. The development of a strong surface low-pressure system helped foster gusty southerly winds on the 28th and 29th, including a few severe-caliber (non-thunderstorm) wind gusts.

(OK-Z006) ALFALFA, (OK-Z011) MAJOR, (OK-Z031) SEMINOLE, (OK-Z032) HUGHES

	10/29/24 06:00 CST		0	Drought
	10/31/24 23:59 CST		0	

A very dry month of October, with rainfall deficits of 2 to 4 inches, worsened drought conditions across much of the area. A dynamic system brought widespread precipitation on the 30th, helping improve conditions heading into November (see separate entry on this month).

(OK-Z012) GARFIELD, (OK-Z015) DEWEY, (OK-Z018) KINGFISHER, (OK-Z020) PAYNE

	10/29/24 11:47 CST		0.29M	Wildfire
	10/30/24 16:00 CST		0	

Despite minimum afternoon relative humidities (RHs) remaining above 40%, very strong southerly wind gusts and highly volatile fine fuels combined to trigger a regional outbreak of wildfires across central and northern Oklahoma on the 29th.

CUSTER COUNTY --- 5.6 SW BUTLER [35.59, -99.27]

	10/30/24 13:40 CST		0	Thunderstorm Wind (MG 61 kt)
	10/30/24 13:40 CST		0	Source: Mesonet

Butler (BUTL) Mesonet observation.

CUSTER COUNTY --- 0.2 SW FOSS RES DAM [35.54, -99.19]

	10/30/24 14:33 CST		50K	Thunderstorm Wind (EG 65 kt)
	10/30/24 14:33 CST		0	Source: Public

A social media image shows significant thunderstorm wind damage to a boat dock at Foss Lake . Broadcast media relayed the report. Event time is radar-estimated.

MAJOR COUNTY --- 5.9 NNE DANE [36.30, -98.61]

	10/30/24 14:34 CST		10K	Thunderstorm Wind (EG 61 kt)
	10/30/24 14:34 CST		0	Source: Trained Spotter

A relayed image shows a portable outbuilding overturned. Event time is radar-estimated.

HARMON COUNTY --- 3.8 WNW GOULD [34.69, -99.83]

	10/30/24 14:35 CST		0	Thunderstorm Wind (MG 64 kt)
	10/30/24 14:35 CST		0	Source: Mesonet

Hollis (HOLL) Mesonet observation.

MAJOR COUNTY --- 2.3 SW ORIENTA [36.34, -98.50]

	10/30/24 14:39 CST		10K	Thunderstorm Wind (EG 61 kt)
	10/30/24 14:39 CST		0	Source: Trained Spotter

A relayed image shows thunderstorm wind damage at a farmstead , including tree branches blown down and roof damage to an outbuilding. Event time is radar-estimated.

MAJOR COUNTY --- 4.5 WSW ORIENTA [36.33, -98.54]

	10/30/24 14:39 CST		0	Thunderstorm Wind (EG 56 kt)
	10/30/24 14:39 CST		0	Source: Trained Spotter

A relayed image shows multiple tree branches blown down. Event time is radar-estimated.

MAJOR COUNTY --- 5.2 NW FAIRVIEW [36.32, -98.55]

Storm Data and Unusual Weather Phenomena - October 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	10/30/24 14:40 CST		0	Thunderstorm Wind (MG 66 kt)
	10/30/24 14:40 CST		0	Source: Mesonet
Fairview (FAI2) Mesonet observation.				
MAJOR COUNTY --- 1.5 SSE ORIENTA [36.34, -98.46]				
	10/30/24 14:44 CST		0	Thunderstorm Wind (MG 55 kt)
	10/30/24 14:44 CST		0	Source: Public
Personal weather station measurement.				
MAJOR COUNTY --- CLEO SPRINGS [36.41, -98.44]				
	10/30/24 14:46 CST		25K	Thunderstorm Wind (EG 65 kt)
	10/30/24 14:46 CST		0	Source: Emergency Manager
Thunderstorm wind damage was reported in the community of Cleo Springs. This included at least one power pole snapped and minor damage to at least two houses. Event time is radar-estimated.				
MAJOR COUNTY --- 2.6 SW ISABELLA [36.22, -98.38]				
	10/30/24 15:04 CST		0	Thunderstorm Wind (MG 50 kt)
	10/30/24 15:04 CST		0	Source: Public
Personal weather station measurement.				
GARFIELD COUNTY --- CARRIER [36.48, -98.02]				
	10/30/24 15:12 CST		0	Thunderstorm Wind (EG 56 kt)
	10/30/24 15:12 CST		0	Source: Broadcast Media
Estimated wind gust. Event time is radar-estimated.				
MAJOR COUNTY --- 2.6 SW ISABELLA [36.22, -98.38]				
	10/30/24 15:34 CST		0	Thunderstorm Wind (MG 57 kt)
	10/30/24 15:34 CST		0	Source: Public
Personal weather station measurement.				
BLAINE COUNTY --- 2.0 S OKEENE [36.09, -98.32]				
	10/30/24 15:42 CST		0	Thunderstorm Wind (EG 56 kt)
	10/30/24 15:42 CST		0	Source: Fire Department/Rescue
Estimated wind gust.				
CUSTER COUNTY --- 4.5 WSW WEATHERFORD [35.51, -98.78]				
	10/30/24 15:45 CST		0	Thunderstorm Wind (MG 50 kt)
	10/30/24 15:45 CST		0	Source: Mesonet
Weatherford (WEAT) Mesonet observation.				
BLAINE COUNTY --- 0.3 ESE OKEENE [36.12, -98.32]				
	10/30/24 15:48 CST		2K	Thunderstorm Wind (EG 56 kt)
	10/30/24 15:48 CST		0	Source: Fire Department/Rescue
A relayed image shows a power pole blown down. Event time is radar-estimated.				
CUSTER COUNTY --- 6.8 N WEATHERFORD [35.63, -98.69]				
	10/30/24 15:52 CST		0	Hail (1.00 in)
	10/30/24 15:52 CST		0	Source: Public
MPing report.				
GARFIELD COUNTY --- 4.3 ESE LAHOMA [36.38, -98.01]				

Storm Data and Unusual Weather Phenomena - October 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	10/30/24 16:04 CST		0	Thunderstorm Wind (MG 50 kt)
	10/30/24 16:04 CST		0	Source: Public

Personal weather station measurement.

CUSTER COUNTY --- 7.2 SW WEATHERFORD [35.45, -98.78], 4.5 SE WEATHERFORD [35.49, -98.64]				
	10/30/24 16:10 CST		15K	Thunderstorm Wind (EG 61 kt)
	10/30/24 16:10 CST		0	Source: Emergency Manager

Powerlines were blown down at multiple locations (in a semi-contiguous southwest-to-northeast path) south of the community of Weatherford. Locations are approximate and event time is radar-estimated.

BLAINE COUNTY --- GEARY [35.63, -98.32]				
	10/30/24 16:43 CST		0	Hail (1.00 in)
	10/30/24 16:43 CST		0	Source: Trained Spotter

KAY COUNTY --- 0.9 SSE BLACKWELL TONKAWA MUNI ARPT [36.73, -97.35]				
	10/30/24 16:47 CST		0	Hail (0.75 in)
	10/30/24 16:47 CST		0	Source: Public

MPing report.

KAY COUNTY --- 3.5 SSE BLACKWELL [36.75, -97.25]				
	10/30/24 16:55 CST		0	Thunderstorm Wind (MG 55 kt)
	10/30/24 16:55 CST		0	Source: Mesonet

Blackwell (BLAC) Mesonet observation.

GARFIELD COUNTY --- 2.2 NNW BISON [36.23, -97.90]				
	10/30/24 17:10 CST		15K	Thunderstorm Wind (EG 61 kt)
	10/30/24 17:10 CST		0	Source: Emergency Manager

A relayed image shows a large section of a barn roof peeled back. Event time is radar-estimated.

KINGFISHER COUNTY --- 2.2 ESE HENNESSEY [36.10, -97.86]				
	10/30/24 17:10 CST		5K	Thunderstorm Wind (EG 65 kt)
	10/30/24 17:10 CST		0	Source: Emergency Manager

Power poles were blown down. Event time is radar-estimated.

NOBLE COUNTY --- 3.9 SSE BILLINGS [36.48, -97.42]				
	10/30/24 17:15 CST		0	Thunderstorm Wind (MG 56 kt)
	10/30/24 17:15 CST		0	Source: Public

Personal weather station measurement.

NOBLE COUNTY --- 4.8 NNW CERES [36.55, -97.30]				
	10/30/24 17:24 CST		0	Thunderstorm Wind (MG 51 kt)
	10/30/24 17:24 CST		0	Source: Public

Personal weather station measurement.

GARFIELD COUNTY --- 4.4 S GARBER [36.38, -97.59]				
	10/30/24 17:32 CST		10K	Thunderstorm Wind (EG 65 kt)
	10/30/24 17:32 CST		0	Source: Broadcast Media

Power poles and lines were blown down along a section of Oklahoma Highway 74. Event time is radar-estimated.

GARFIELD COUNTY --- 2.5 NNW HAYWARD [36.31, -97.53]				
	10/30/24 17:33 CST		0	Thunderstorm Wind (EG 61 kt)
	10/30/24 17:33 CST		0	Source: Broadcast Media

Storm Data and Unusual Weather Phenomena - October 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Estimated wind gust. Event time is radar-estimated.				
NOBLE COUNTY --- 3.9 SSE BILLINGS [36.48, -97.42]				
	10/30/24 17:46 CST		0	Thunderstorm Wind (MG 60 kt)
	10/30/24 17:46 CST		0	Source: Public
Personal weather station measurement.				
LOGAN COUNTY --- 0.9 E LOVELL [36.06, -97.62]				
	10/30/24 17:49 CST		0	Thunderstorm Wind (MG 50 kt)
	10/30/24 17:49 CST		0	Source: Public
Personal weather station measurement.				
NOBLE COUNTY --- 4.8 NNW CERES [36.55, -97.30]				
	10/30/24 17:49 CST		0	Thunderstorm Wind (MG 58 kt)
	10/30/24 17:49 CST		0	Source: Public
Personal weather station measurement.				
LOGAN COUNTY --- 3.1 SSE MARSHALL [36.12, -97.61]				
	10/30/24 17:50 CST		0	Thunderstorm Wind (MG 83 kt)
	10/30/24 17:50 CST		0	Source: Mesonet
Marshall (MRSH) Mesonet observation.				
LOGAN COUNTY --- 0.9 E LOVELL [36.06, -97.62]				
	10/30/24 18:04 CST		0	Thunderstorm Wind (MG 61 kt)
	10/30/24 18:04 CST		0	Source: Public
Personal weather station measurement.				
LOGAN COUNTY --- 4.0 SE LOVELL [36.02, -97.59]				
	10/30/24 18:05 CST		5K	Thunderstorm Wind (EG 61 kt)
	10/30/24 18:05 CST		0	Source: Public
A social media video shows a large tree snapped near the base, pulling down nearby power lines. Event time is radar-estimated.				
KINGFISHER COUNTY --- 8.1 S OMEGA [35.75, -98.18]				
	10/30/24 18:07 CST		0	Hail (1.00 in)
	10/30/24 18:07 CST		0	Source: Public
MPing report. Based on radar evidence, hailfall likely occurred prior (1800-1805 LST) to report time.				
LOGAN COUNTY --- 0.9 E LOVELL [36.06, -97.62]				
	10/30/24 18:09 CST		0	Thunderstorm Wind (MG 55 kt)
	10/30/24 18:09 CST		0	Source: Public
Personal weather station measurement.				
LOGAN COUNTY --- 6.7 NW MULHALL [36.12, -97.50]				
	10/30/24 18:22 CST		0	Hail (1.50 in)
	10/30/24 18:22 CST		0	Source: Emergency Manager
LOGAN COUNTY --- ORLANDO [36.15, -97.38]				
	10/30/24 18:28 CST		0	Hail (1.75 in)
	10/30/24 18:28 CST		0	Source: Law Enforcement
Emergency management relayed the report.				
LOGAN COUNTY --- ORLANDO [36.15, -97.38]				

Storm Data and Unusual Weather Phenomena - October 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	10/30/24 18:28 CST		0	Thunderstorm Wind (EG 70 kt)
	10/30/24 18:28 CST		0	Source: Law Enforcement

Estimated wind gust. Emergency management relayed the report.

LOGAN COUNTY --- 1.2 NNE SEWARD [35.81, -97.48]

10/30/24 19:29 CST	0	Thunderstorm Wind (EG 61 kt)
10/30/24 19:29 CST	0	Source: Emergency Manager

A tree was blown down, blocking the roadway near the intersection of South Broadway and Camp Drive. Event time is radar-estimated.

CADDO COUNTY --- 1.2 SW FT COBB RES DAM [35.15, -98.47]

10/30/24 19:30 CST	0	Thunderstorm Wind (MG 50 kt)
10/30/24 19:30 CST	0	Source: Mesonet

Fort Cobb (FTCB) Mesonet observation.

CADDO COUNTY --- 1.2 SW FT COBB RES DAM [35.15, -98.47]

10/30/24 19:35 CST	0	Thunderstorm Wind (MG 62 kt)
10/30/24 19:35 CST	0	Source: Mesonet

Fort Cobb (FTCB) Mesonet observation.

An upper-level trough ejected across the Central and Southern Plains during the day on the 30th. Widespread thunderstorm initiation began in the early afternoon near a cold front/dryline intersection across northwestern Oklahoma and southward along the trailing dryline into portions of western Oklahoma and western-north Texas. The combination of unseasonably strong instability and seasonable wind shear promoted organized thunderstorms. This included a mix of both supercells and organized clusters/lines. Severe wind gusts and wind damage were the most common thunderstorm hazards, though a few large hail reports were also received.

TEXAS, Western North

(TX-Z083) HARDEMAN, (TX-Z084) FOARD, (TX-Z085) WILBARGER, (TX-Z086) WICHITA, (TX-Z089) ARCHER, (TX-Z090) CLAY

10/01/24 00:00 CST	0	Drought
10/31/24 23:59 CST	0	

A very dry month of October, with rainfall deficits of 2 to 4 inches, worsened drought conditions across much of the area. A dynamic system brought widespread precipitation on the 30th, helping improve conditions heading into November (see separate entry on this month).

(TX-Z090) CLAY

10/12/24 12:03 CST	0	Wildfire
10/13/24 12:02 CST	0	

Record warm temperatures, gusty winds and very dry fuels combined to create conditions favorable for fire starts and spread on the 12th.

(TX-Z087) KNOX, (TX-Z088) BAYLOR

10/29/24 06:00 CST	0	Drought
10/31/24 23:59 CST	0	

A very dry month of October, with rainfall deficits of 2 to 4 inches, worsened drought conditions across much of the area. A dynamic system brought widespread precipitation on the 30th, helping improve conditions heading into November (see separate entry on this month).

(TX-Z086) WICHITA

10/30/24 11:37 CST	0	Wildfire
10/31/24 15:10 CST	0	

Warm temperatures, gusty winds and very dry fuels combined to create conditions favorable for fire starts and spread on the 30th.

Storm Data and Unusual Weather Phenomena - October 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	----------------------	------------------------	------------------------