

Storm Data and Unusual Weather Phenomena - August 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OKLAHOMA, Western, Central and Southeast				
(OK-Z017) BLAINE, (OK-Z021) BECKHAM, (OK-Z034) GREER				
	08/01/24 00:00 CST	0		Drought
	08/13/24 05:59 CST	0		
Progressively drier conditions (rainfall deficits) during the middle to late part of the month led to increased severe (or greater) drought conditions, especially across the Red River Valley.				
(OK-Z004) HARPER, (OK-Z014) ROGER MILLS, (OK-Z029) CLEVELAND, (OK-Z030) POTTAWATOMIE, (OK-Z033) HARMON, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z038) COMANCHE, (OK-Z039) STEPHENS, (OK-Z041) MURRAY, (OK-Z042) PONTOTOC, (OK-Z043) COAL, (OK-Z044) COTTON, (OK-Z045) JEFFERSON, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN				
	08/01/24 12:00 CST	0		Heat
	08/02/24 19:00 CST	0		
(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-Z015) DEWEY, (OK-Z016) CUSTER, (OK-Z017) BLAINE, (OK-Z018) KINGFISHER, (OK-Z019) LOGAN, (OK-Z020) PAYNE, (OK-Z021) BECKHAM, (OK-Z022) WASHITA, (OK-Z023) CADDO, (OK-Z024) CANADIAN, (OK-Z025) OKLAHOMA, (OK-Z026) LINCOLN, (OK-Z027) GRADY, (OK-Z028) MCCLAIN, (OK-Z031) SEMINOLE, (OK-Z032) HUGHES, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z037) TILLMAN, (OK-Z040) GARVIN, (OK-Z045) JEFFERSON				
	08/01/24 12:00 CST	0		Excessive Heat
	08/01/24 20:00 CST	0		
Hot temperatures and high humidity combined to create dangerous heat indices (in excess of 105 to 110-degrees) across the western two-thirds of Oklahoma during the afternoon and evening of 1st and 2nd.				
WOODWARD COUNTY --- 0.9 SE WOODWARD [36.42, -99.38]				
	08/01/24 23:59 CST	0		Thunderstorm Wind (MG 50 kt)
	08/01/24 23:59 CST	0		Source: Public
Personal weather station (KOKWOODW24) measurement. Outflow winds associated with convection near the Oklahoma and Kansas border.				
A decaying complex of thunderstorms moved across portions of northwestern Oklahoma during the late evening of the 2nd. Strong to marginally severe wind gusts occurred along a propagating outflow across the area.				
(OK-Z004) HARPER, (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-Z015) DEWEY, (OK-Z016) CUSTER, (OK-Z017) BLAINE, (OK-Z018) KINGFISHER, (OK-Z019) LOGAN, (OK-Z020) PAYNE, (OK-Z021) BECKHAM, (OK-Z022) WASHITA, (OK-Z023) CADDO, (OK-Z024) CANADIAN, (OK-Z025) OKLAHOMA, (OK-Z026) LINCOLN, (OK-Z027) GRADY, (OK-Z028) MCCLAIN, (OK-Z029) CLEVELAND, (OK-Z030) POTTAWATOMIE, (OK-Z031) SEMINOLE, (OK-Z032) HUGHES, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z038) COMANCHE, (OK-Z039) STEPHENS, (OK-Z040) GARVIN, (OK-Z041) MURRAY, (OK-Z042) PONTOTOC, (OK-Z043) COAL, (OK-Z044) COTTON, (OK-Z045) JEFFERSON, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z048) ATOKA, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN				
	08/06/24 11:00 CST	0		Heat
	08/08/24 20:00 CST	0		
(OK-Z005) WOODS, (OK-Z011) MAJOR, (OK-Z018) KINGFISHER, (OK-Z045) JEFFERSON, (OK-Z048) ATOKA, (OK-Z051) MARSHALL				
	08/07/24 11:00 CST	0		Excessive Heat
	08/08/24 20:00 CST	0		
Hot temperatures and high humidity combined to create dangerous heat indices (in excess of 105 to 110-degrees) across the western two-thirds of Oklahoma during the afternoon and evening of 6th to 8th.				
MCCLAIN COUNTY --- 2.1 E COLE [35.10, -97.53]				
	08/11/24 03:52 CST	0		Hail (0.75 in)
	08/11/24 03:52 CST	0		Source: Public
MPing report.				
LOGAN COUNTY --- 8.7 SW MERIDIAN [35.74, -97.34]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/11/24 03:56 CST		50K	Lightning
	08/11/24 03:56 CST		0	Source: Fire Department/Rescue
House fire due a suspected lightning strike.				
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CLEVELAND COUNTY --- 4.8 NE SLAUGHTERVILLE [35.15, -97.28]	08/11/24 04:38 CST		10K	Thunderstorm Wind (EG 61 kt)
	08/11/24 04:38 CST		0	Source: Emergency Manager
Relayed image showing the metal roof of a carport blown off. Time is radar estimated.				
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CLEVELAND COUNTY --- 5.1 SW LAKE THUNDERBIRD DAM [35.16, -97.27]	08/11/24 04:40 CST		10K	Thunderstorm Wind (EG 61 kt)
	08/11/24 04:40 CST		0	Source: Public
Social media image showing a section of vinyl siding blown off of a house. Time is radar estimated.				
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CLEVELAND COUNTY --- 5.4 SW LAKE THUNDERBIRD DAM [35.16, -97.28]	08/11/24 04:40 CST		25K	Thunderstorm Wind (EG 61 kt)
	08/11/24 04:40 CST		0	Source: Emergency Manager
Relayed images showing a house with portions of its roof decking blown off and other large tree limbs blown down. Time is radar estimated.				
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CLEVELAND COUNTY --- 2.8 SSW MOORE [35.30, -97.51], 2.9 SSW MOORE [35.30, -97.51], 2.9 SSW MOORE [35.30, -97.51], 2.8 SSW MOORE [35.30, -97.51]	08/11/24 05:00 CST		0	Flash Flood (due to Heavy Rain)
	08/11/24 09:00 CST		0	Source: Storm Chaser
Social media image showing flooding across portions of Santa Fe Avenue. Event time is approximate.				
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OKLAHOMA COUNTY --- 3.7 WNW EDMOND [35.67, -97.54], 3.7 WNW EDMOND [35.67, -97.54], 3.1 WNW EDMOND [35.67, -97.53], 3.1 WNW EDMOND [35.67, -97.53]	08/11/24 05:00 CST		15K	Flash Flood (due to Heavy Rain)
	08/11/24 08:00 CST		0	Source: Public
Social media image showing roadway flooding, including at least one vehicle stranded in floodwaters, along Danforth Road between Pennsylvania and Western Avenues. Event time is approximate.				
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CLEVELAND COUNTY --- 3.3 NNE SLAUGHTERVILLE [35.13, -97.30]	08/11/24 05:10 CST		0	Thunderstorm Wind (EG 61 kt)
	08/11/24 05:10 CST		0	Source: Public
Phone call report of thunderstorm wind damage, including a machine shed destroyed and tree damage. Time is radar estimated.				
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CLEVELAND COUNTY --- 3.9 NE SLAUGHTERVILLE [35.13, -97.28]	08/11/24 05:11 CST		10K	Thunderstorm Wind (EG 61 kt)
	08/11/24 05:11 CST		0	Source: Emergency Manager
Relayed images showing multiple large (12+ inch diameter) trees uprooted and damage to outbuildings. Time is radar estimated.				
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CLEVELAND COUNTY --- 2.4 SE MOORE [35.32, -97.46], 2.5 SE MOORE [35.31, -97.46], 2.5 SE MOORE [35.31, -97.46], 2.4 SE MOORE [35.32, -97.46]	08/11/24 05:30 CST		0	Flash Flood (due to Heavy Rain)
	08/11/24 09:30 CST		0	Source: Storm Chaser
Social media image showing roadway flooding along a portion of South Bryant Avenue, south of Southeast 19th Street. Event time is approximate.				
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CLEVELAND COUNTY --- 3.2 ENE NORMAN [35.24, -97.39], 3.0 ENE NORMAN [35.23, -97.39], 3.4 ENE NORMAN [35.23, -97.38], 3.5 ENE NORMAN [35.24, -97.38]	08/11/24 05:30 CST		0	Flash Flood (due to Heavy Rain)
	08/11/24 09:30 CST		0	Source: Public
Social media image showing roadway flooding in a neighborhood near the intersection of 36 th Avenue Northeast and Robinson Street. Event time is approximate.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CLEVELAND COUNTY --- 0.3 E SLAUGHTERVILLE [35.09, -97.32], 0.5 SE SLAUGHTERVILLE [35.09, -97.32], 1.7 E SLAUGHTERVILLE [35.09, -97.30], 1.7 E SLAUGHTERVILLE [35.09, -97.30]				
	08/11/24 06:00 CST		50K	Flash Flood (due to Heavy Rain)
	08/11/24 10:00 CST		0	Source: Storm Chaser
Heavy rainfall caused Chouteau Creek to rise out of its banks, causing extensive roadway flooding along Slaughterville Road. At least one water rescue occurred near the intersection of Slaughterville Road and 84th Street. Social media video. Event time is approximate.				
CLEVELAND COUNTY --- 1.2 SSW NORMAN [35.20, -97.45], 1.3 SSW NORMAN [35.20, -97.45], 1.2 SSW NORMAN [35.20, -97.45], 1.1 SSW NORMAN [35.20, -97.45]				
	08/11/24 06:00 CST		25K	Flash Flood (due to Heavy Rain)
	08/11/24 09:00 CST		0	Source: Trained Spotter
Multiple social media videos showing roadway flooding near the intersection of Lindsey Street and Elm Avenue . Multiple vehicles were stranded in floodwaters. Event time is approximate.				
CLEVELAND COUNTY --- 1.6 S NOBLE [35.12, -97.39], 1.8 S NOBLE [35.11, -97.39], 1.8 S NOBLE [35.11, -97.39], 1.6 S NOBLE [35.12, -97.39]				
	08/11/24 06:00 CST		0	Flash Flood (due to Heavy Rain)
	08/11/24 10:00 CST		0	Source: State Official
Cemetery Road, near the intersection of Burkett Road, closed due to flooding. Event time is approximate.				
CLEVELAND COUNTY --- 2.1 SE NOBLE [35.12, -97.36], 2.1 SE NOBLE [35.12, -97.36], 2.3 SE NOBLE [35.12, -97.36], 2.3 SE NOBLE [35.12, -97.36]				
	08/11/24 06:00 CST		0	Flash Flood (due to Heavy Rain)
	08/11/24 10:00 CST		0	Source: State Official
Cemetery Road, near the intersection of 53rd Street, closed due to flooding. Event time is approximate.				
CLEVELAND COUNTY --- 2.5 SW NORMAN [35.19, -97.47], 2.7 SSW NORMAN [35.18, -97.46], 2.7 SSW NORMAN [35.18, -97.45], 1.7 SSW NORMAN [35.20, -97.45], 2.2 SW NORMAN [35.20, -97.47]				
	08/11/24 06:00 CST		0	Flash Flood (due to Heavy Rain)
	08/11/24 09:00 CST		0	Source: Other Federal Agency
Relayed video showing roadway flooding along residential streets just southwest of The University of Oklahoma campus. Event time is approximate.				
CLEVELAND COUNTY --- 2.8 E NOBLE [35.13, -97.34], 2.7 NNW SLAUGHTERVILLE [35.13, -97.34], 2.6 N SLAUGHTERVILLE [35.13, -97.33], 2.9 N SLAUGHTERVILLE [35.13, -97.33]				
	08/11/24 06:00 CST		0	Flash Flood (due to Heavy Rain)
	08/11/24 10:00 CST		0	Source: State Official
Heavy rainfall caused Dripping Springs Creek to rise out of its banks, flooding the intersection of Maguire Road and 72nd Street. Event time is approximate.				
CLEVELAND COUNTY --- 2.9 N (OUN)NORMAN WESTHEIMER ARPT [35.29, -97.48], 2.8 NNW (OUN)NORMAN WESTHEIMER ARPT [35.29, -97.48], 2.7 N (OUN)NORMAN WESTHEIMER ARPT [35.29, -97.47], 2.9 N (OUN)NORMAN WESTHEIMER ARPT [35.29, -97.47]				
	08/11/24 06:00 CST		0	Flash Flood (due to Heavy Rain)
	08/11/24 10:30 CST		0	Source: Storm Chaser
Heavy rainfall caused the Little River to rise out of its banks, flooding the intersection of West Indian Hills Road and 24th Avenue Northwest. Event time is approximate.				
OKLAHOMA COUNTY --- 2.0 WNW (TIK)TINKER AFB [35.42, -97.42], 2.0 WNW (TIK)TINKER AFB [35.42, -97.42], 1.9 WNW (TIK)TINKER AFB [35.42, -97.42], 2.0 WNW (TIK)TINKER AFB [35.42, -97.42]				
	08/11/24 06:00 CST		25K	Flash Flood (due to Heavy Rain)
	08/11/24 10:00 CST		0	Source: Public
Social media image showing roadway flooding near the intersection of Sooner Road and Southeast 44th Street, with multiple vehicles stranded in floodwaters. Event time is approximate.				
LOGAN COUNTY --- 4.3 SSE SEWARD [35.75, -97.45]				
	08/11/24 06:13 CST		50K	Lightning
	08/11/24 06:13 CST		0	Source: Fire Department/Rescue

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
House fire due to a suspected lightning strike.				

CLEVELAND COUNTY --- 1.0 SW NORMAN [35.21, -97.45], 1.1 SW NORMAN [35.21, -97.45], 1.0 SW NORMAN [35.21, -97.45], 1.0 SW NORMAN [35.21, -97.45]				
	08/11/24 06:30 CST		15K	Flash Flood (due to Heavy Rain)
	08/11/24 10:00 CST		0	Source: Other Federal Agency

Social media image showing a vehicle stranded in floodwaters near the intersection of Boyd Street and Pickard Avenue. Event time is approximate.

CLEVELAND COUNTY --- 4.4 SSW LAKE THUNDERBIRD DAM [35.16, -97.25], 5.4 SSW LAKE THUNDERBIRD DAM [35.15, -97.25], 5.4 SSW LAKE THUNDERBIRD DAM [35.15, -97.25], 4.4 SSW LAKE THUNDERBIRD DAM [35.16, -97.25]				
	08/11/24 06:30 CST		0	Flash Flood (due to Heavy Rain)
	08/11/24 09:30 CST		0	Source: Public

Social media image showing roadway flooding along 132nd Street between Etowah Road and Post Oak Road. Event time is approximate.

LOGAN COUNTY --- 3.3 ENE SEWARD [35.82, -97.44]				
	08/11/24 07:23 CST		50K	Lightning
	08/11/24 07:23 CST		0	Source: Fire Department/Rescue

House fire due a suspected lightning strike.

CLEVELAND COUNTY --- 1.9 ENE (OUN)NORMAN WESTHEIMER ARPT [35.26, -97.44], 1.8 ENE (OUN)NORMAN WESTHEIMER ARPT [35.26, -97.44], 1.8 ENE (OUN)NORMAN WESTHEIMER ARPT [35.26, -97.44], 1.9 ENE (OUN)NORMAN WESTHEIMER ARPT [35.26, -97.44]				
	08/11/24 12:00 CST		0	Flood (due to Heavy Rain)
	08/11/24 14:00 CST		0	Source: Other Federal Agency

Social media video showing roadway flooding along portions of Porter Avenue north of Tecumseh Road. Event time is approximate.

Despite a somewhat nebulous synoptic regime, with modest zonal upper flow across the southern Plains, widespread thunderstorm development emerged during the early morning of the 11th. Thunderstorm development was fostered by a strong isentropic regime across portions of central Oklahoma. Repeated rounds of heavy rain led to widespread flash flooding in a narrow corridor from west-central into central Oklahoma, including southern portions of the Oklahoma City Metropolitan area. A downburst wind event was also observed south of the Lake Thunderbird area of Cleveland County near daybreak.

(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-Z021) BECKHAM, (OK-Z022) WASHITA, (OK-Z023) CADDO, (OK-Z024) CANADIAN, (OK-Z025) OKLAHOMA, (OK-Z026) LINCOLN, (OK-Z027) GRADY, (OK-Z028) MCCLAIN, (OK-Z029) CLEVELAND, (OK-Z030) POTTAWATOMIE, (OK-Z031) SEMINOLE, (OK-Z032) HUGHES, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z038) COMANCHE, (OK-Z039) STEPHENS, (OK-Z040) GARVIN, (OK-Z041) MURRAY, (OK-Z042) PONTOTOC, (OK-Z043) COAL, (OK-Z044) COTTON, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z048) ATOKA, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN				
	08/11/24 12:00 CST		0	Heat
	08/16/24 19:00 CST		0	

(OK-Z008) KAY, (OK-Z011) MAJOR, (OK-Z012) GARFIELD, (OK-Z013) NOBLE, (OK-Z016) CUSTER, (OK-Z018) KINGFISHER, (OK-Z019) LOGAN, (OK-Z020) PAYNE, (OK-Z024) CANADIAN, (OK-Z025) OKLAHOMA, (OK-Z026) LINCOLN, (OK-Z027) GRADY, (OK-Z028) MCCLAIN, (OK-Z030) POTTAWATOMIE, (OK-Z031) SEMINOLE, (OK-Z032) HUGHES, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z039) STEPHENS, (OK-Z040) GARVIN, (OK-Z041) MURRAY, (OK-Z042) PONTOTOC, (OK-Z043) COAL, (OK-Z044) COTTON, (OK-Z045) JEFFERSON, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z048) ATOKA, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN				
	08/11/24 12:00 CST		0	Excessive Heat
	08/16/24 19:00 CST		0	

Hot temperatures and high humidity combined to create dangerous heat indices (in excess of 105 to 110-degrees) across the western two-thirds of Oklahoma during the afternoon and evening of 11th to 16th.

KAY COUNTY --- 3.5 SSE BLACKWELL [36.75, -97.25]				
	08/12/24 00:55 CST		0	Thunderstorm Wind (MG 51 kt)
	08/12/24 00:55 CST		0	Source: Mesonet

Blackwell (BLAC) Mesonet observation.

A strong low-level jet emerged across central into northern Oklahoma during the early morning of the 12th. This feature promoted

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scattered thunderstorm development across these areas, with one thunderstorm producing a severe-caliber wind gust event.

(OK-Z017) BLAINE, (OK-Z021) BECKHAM, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN

08/13/24 06:00 CST	0	Drought
08/27/24 05:59 CST	0	

Progressively drier conditions (rainfall deficits) during the middle to late part of the month led to increased severe (or greater) drought conditions, especially across the Red River Valley.

HARPER COUNTY --- 0.6 W BUFFALO [36.83, -99.64]

08/14/24 18:20 CST	0	Thunderstorm Wind (MG 51 kt)
08/14/24 18:20 CST	0	Source: Mesonet

Buffalo (BUFF) Mesonet observation. Law enforcement also reported that a tree was blown down on the west side of the community of Buffalo.

Scattered convection developed across the High Plains during the afternoon into early evening of the 15th. A few generally decaying thunderstorms moved into portions of far northern Oklahoma, producing gusty winds. A damaging downburst wind event was observed near the community of Buffalo, Oklahoma.

CADDO COUNTY --- 4.0 W STECKER [34.96, -98.39]

08/15/24 16:00 CST	5K	Thunderstorm Wind (EG 61 kt)
08/15/24 16:00 CST	0	Source: Trained Spotter

Social media images showing multiple wooden power poles snapped and a large tree limb blown down. Time is radar estimated and location is approximate.

CANADIAN COUNTY --- 4.5 WNW EL RENO [35.55, -98.04]

08/15/24 16:35 CST	0	Thunderstorm Wind (MG 52 kt)
08/15/24 16:35 CST	0	Source: Mesonet

El Reno (ELRE) Mesonet observation.

GARFIELD COUNTY --- 3.0 W DRUMMOND [36.30, -98.09]

08/15/24 16:50 CST	0	Hail (2.25 in)
08/15/24 16:55 CST	0	Source: Trained Spotter

Hail size increased from golf ball to near tennis ball between 1650-1655 LST. Report relayed by emergency management.

COMANCHE COUNTY --- 0.9 E LAKE ELLSWORTH DAM [34.79, -98.35]

08/15/24 17:02 CST	0	Hail (0.75 in)
08/15/24 17:02 CST	0	Source: Public

MPing report.

CADDO COUNTY --- 6.9 W HINTON [35.48, -98.48]

08/15/24 17:15 CST	0	Thunderstorm Wind (MG 53 kt)
08/15/24 17:15 CST	0	Source: Mesonet

Hinton (HINT) Mesonet observation.

COMANCHE COUNTY --- 1.0 WSW LAKE ELLSWORTH DAM [34.79, -98.39]

08/15/24 17:25 CST	0	Hail (1.00 in)
08/15/24 17:25 CST	0	Source: Public

GRADY COUNTY --- 2.8 SSW MINCO [35.27, -97.96]

08/15/24 17:30 CST	0	Thunderstorm Wind (MG 52 kt)
08/15/24 17:30 CST	0	Source: Mesonet

Minco (MINC) Mesonet observation.

GRADY COUNTY --- 2.8 SSW MINCO [35.27, -97.96]

08/15/24 17:35 CST	0	Thunderstorm Wind (MG 62 kt)
08/15/24 17:35 CST	0	Source: Mesonet

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Minco (MINC) Mesonet observation.				
GRADY COUNTY --- 2.8 SSW MINCO [35.27, -97.96]				
	08/15/24 17:50 CST		0	Thunderstorm Wind (MG 62 kt)
	08/15/24 17:50 CST		0	Source: Mesonet
Minco (MINC) Mesonet observation.				
GRADY COUNTY --- 0.0 NE AMBER [35.16, -97.88]				
	08/15/24 18:03 CST		0	Hail (1.00 in)
	08/15/24 18:03 CST		0	Source: Public
MPing report.				
GRADY COUNTY --- 0.5 E AMBER [35.16, -97.87]				
	08/15/24 18:05 CST		25K	Thunderstorm Wind (EG 65 kt)
	08/15/24 18:05 CST		0	Source: Public
Relayed image showing a large metal barn blown off of its foundation and damaged. Time is radar estimated.				
GARFIELD COUNTY --- 4.2 SE HAYWARD [36.23, -97.46]				
	08/15/24 19:00 CST		25K	Thunderstorm Wind (EG 61 kt)
	08/15/24 19:00 CST		0	Source: Public
Relayed image showing roof damage to a house and a barn. Time is radar estimated.				
LOGAN COUNTY --- COYLE [35.95, -97.24]				
	08/15/24 19:55 CST		10K	Thunderstorm Wind (EG 65 kt)
	08/15/24 19:55 CST		0	Source: Public
Relayed image showing significant thunderstorm wind damage to a large metal machine shed. Report relayed by emergency management. Time is radar estimated.				
TILLMAN COUNTY --- 3.1 WNW GRANDFIELD [34.24, -98.74]				
	08/15/24 21:00 CST		0	Thunderstorm Wind (MG 50 kt)
	08/15/24 21:00 CST		0	Source: Mesonet
Grandfield (GRA2) Mesonet observation.				
PAYNE COUNTY --- 5.0 SSE STILLWATER [36.05, -97.03]				
	08/15/24 22:15 CST		0	Hail (1.00 in)
	08/15/24 22:15 CST		0	Source: Emergency Manager
<p>As a closed upper system strengthened and moved towards the Corn Belt, a trailing cold front pushed into portions of western and central Oklahoma during the afternoon and evening of the 15th. Multiple areas of convective activity emerged near and ahead of this feature, coincident with strong surface heating. Marginal deep-layer wind shear promoted generally disorganized (multi-cell) storm modes. In addition to wind damage (downburst) events, a few reports of large hail were also received.</p>				
(OK-Z034) GREER				
	08/15/24 16:00 CST		61.10K	Wildfire
	08/20/24 11:00 CST		0	
The combination of hot, dry and breezy conditions created favorable conditions for fire starts and spread.				
ROGER MILLS COUNTY --- 4.3 NW HAMMON [35.67, -99.44]				
	08/16/24 16:40 CST		0	Thunderstorm Wind (MG 52 kt)
	08/16/24 16:40 CST		0	Source: Emergency Manager
Location is approximate.				
WASHITA COUNTY --- 4.5 SSW CANUTE [35.36, -99.31]				

Storm Data and Unusual Weather Phenomena - August 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/16/24 17:30 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/16/24 17:30 CST		0	Source: Emergency Manager

Relayed image showing roof damage to a mobile home. Time is radar estimated.

WASHITA COUNTY --- 1.2 N (CSM)CLINTON SHERMAN AIRPORT [35.36, -99.20]

	08/16/24 17:40 CST		0	Thunderstorm Wind (MG 53 kt)
	08/16/24 17:40 CST		0	Source: ASOS

Clinton-Sherman Airport (KCSM) observation.

GRANT COUNTY --- 6.1 W POND CREEK [36.67, -97.91]

	08/16/24 17:53 CST		0	Hail (1.00 in)
	08/16/24 17:53 CST		0	Source: Public

WASHITA COUNTY --- 7.5 WSW (CSM)CLINTON SHERMAN AIRPORT [35.29, -99.32]

	08/16/24 18:00 CST		25K	Thunderstorm Wind (EG 61 kt)
	08/16/24 18:00 CST		0	Source: Emergency Manager

Relayed image showing a large metal barn with its roof blown off and additional damage to bay doors. Time is radar estimated.

MAJOR COUNTY --- 1.1 NNE FAIRVIEW [36.28, -98.47]

	08/16/24 22:06 CST		0	Hail (0.75 in)
	08/16/24 22:06 CST		0	Source: Public

MPing report.

A remnant quasi-stationary boundary remained across portions of northern Oklahoma during the day on the 16th. Widely scattered diurnal convection emerged across the aforementioned area. Similar to the 15th (see separate entry), multi-cell thunderstorms produced damaging wind gusts and a few reports of hail across portions of western into northern Oklahoma.

PONTOTOC COUNTY --- 5.4 W ADA [34.76, -96.77]

	08/17/24 06:15 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/17/24 06:15 CST		0	Source: Public

Social media image showing at least two power poles snapped. Time is radar estimated.

A modest low-level jet during the early morning of the 17th promoted widely scattered thunderstorm development across east-central Oklahoma. Sufficient wind shear and instability promoted a few brief strong to marginally severe thunderstorms, with a damaging downburst event noted west of the community of Ada, Oklahoma.

(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-Z023) CADDO, (OK-Z025) OKLAHOMA, (OK-Z026) LINCOLN, (OK-Z027) GRADY, (OK-Z028) MCCLAIN, (OK-Z029) CLEVELAND, (OK-Z030) POTTAWATOMIE, (OK-Z031) SEMINOLE, (OK-Z032) HUGHES, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z038) COMANCHE, (OK-Z039) STEPHENS, (OK-Z040) GARVIN, (OK-Z041) MURRAY, (OK-Z042) PONTOTOC, (OK-Z043) COAL, (OK-Z044) COTTON, (OK-Z045) JEFFERSON, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z048) ATOKA, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN	08/17/24 11:00 CST		0	Heat
	08/22/24 19:00 CST		0	

(OK-Z005) WOODS, (OK-Z006) ALFALFA, (OK-Z007) GRANT, (OK-Z008) KAY, (OK-Z011) MAJOR, (OK-Z012) GARFIELD, (OK-Z013) NOBLE, (OK-Z018) KINGFISHER, (OK-Z019) LOGAN, (OK-Z020) PAYNE, (OK-Z023) CADDO, (OK-Z024) CANADIAN, (OK-Z025) OKLAHOMA, (OK-Z026) LINCOLN, (OK-Z027) GRADY, (OK-Z028) MCCLAIN, (OK-Z029) CLEVELAND, (OK-Z030) POTTAWATOMIE, (OK-Z031) SEMINOLE, (OK-Z032) HUGHES, (OK-Z034) GREER, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z039) STEPHENS, (OK-Z040) GARVIN, (OK-Z041) MURRAY, (OK-Z042) PONTOTOC, (OK-Z043) COAL, (OK-Z044) COTTON, (OK-Z045) JEFFERSON, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z048) ATOKA, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN	08/17/24 11:00 CST		0	Excessive Heat
	08/21/24 19:00 CST		0	

Hot temperatures and high humidity combined to create dangerous heat indices (in excess of 105 to 110-degrees) across the western two-thirds of Oklahoma during the afternoon and evening of 17th to 22nd.

Storm Data and Unusual Weather Phenomena - August 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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GARFIELD COUNTY --- 2.5 S BRECKINRIDGE [36.40, -97.73]	08/18/24 16:45 CST		50K	Thunderstorm Wind (EG 70 kt)
	08/18/24 16:45 CST		0	Source: Emergency Manager

Relayed images showing significant thunderstorm wind damage to a farmstead, including a wooden machine shed destroyed and a small metal silo blown over. Time is radar estimated.

GARFIELD COUNTY --- 2.8 N FAIRMONT [36.39, -97.69]	08/18/24 16:50 CST		10K	Thunderstorm Wind (EG 61 kt)
	08/18/24 16:50 CST		0	Source: Emergency Manager

Relayed images showing multiple power poles blown down or snapped along a stretch of Market Avenue from South 102nd Street to South 150th Street. Time is radar estimated.

GARFIELD COUNTY --- 2.8 SE BRECKINRIDGE [36.41, -97.69]	08/18/24 16:50 CST		0	Thunderstorm Wind (MG 69 kt)
	08/18/24 16:50 CST		0	Source: Mesonet

Breckinridge (BREC) Mesonet observation.

GARFIELD COUNTY --- 2.8 SE BRECKINRIDGE [36.41, -97.69]	08/18/24 16:55 CST		0	Thunderstorm Wind (MG 51 kt)
	08/18/24 16:55 CST		0	Source: Mesonet

Breckinridge (BREC) Mesonet observation.

GARFIELD COUNTY --- 2.8 SE BRECKINRIDGE [36.41, -97.69]	08/18/24 17:00 CST		0	Thunderstorm Wind (MG 61 kt)
	08/18/24 17:00 CST		0	Source: Mesonet

Breckinridge (BREC) Mesonet observation.

GARFIELD COUNTY --- 2.8 SE BRECKINRIDGE [36.41, -97.69]	08/18/24 17:05 CST		0	Thunderstorm Wind (MG 66 kt)
	08/18/24 17:05 CST		0	Source: Mesonet

Breckinridge (BREC) Mesonet observation.

GARFIELD COUNTY --- 2.8 SE BRECKINRIDGE [36.41, -97.69]	08/18/24 17:10 CST		0	Thunderstorm Wind (MG 60 kt)
	08/18/24 17:10 CST		0	Source: Mesonet

Breckinridge (BREC) Mesonet observation.

On the periphery of a Mesoscale Convective System (MCS) across the western Ozarks, convective outflow helped foster the development of a few thunderstorms across northern Oklahoma. Despite weak wind shear, strong regional instability promoted a few transient severe thunderstorms. A significant downburst event occurred in east-central Garfield County.

(OK-Z046) CARTER	08/19/24 14:50 CST		5K	Wildfire
	08/26/24 14:50 CST		0	

The combination of hot, dry and breezy conditions created favorable conditions for fire starts and spread.

(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-Z023) CADDO, (OK-Z024) CANADIAN, (OK-Z025) OKLAHOMA, (OK-Z026) LINCOLN, (OK-Z029) CLEVELAND, (OK-Z030) POTTAWATOMIE, (OK-Z031) SEMINOLE, (OK-Z032) HUGHES, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z038) COMANCHE, (OK-Z041) MURRAY, (OK-Z042) PONTOTOC, (OK-Z043) COAL, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z048) ATOKA, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN

Storm Data and Unusual Weather Phenomena - August 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/23/24 11:00 CST		0	Heat
	08/26/24 17:00 CST		0	

(OK-Z005) WOODS, (OK-Z006) ALFALFA, (OK-Z007) GRANT, (OK-Z008) KAY, (OK-Z011) MAJOR, (OK-Z012) GARFIELD, (OK-Z013) NOBLE, (OK-Z015) DEWEY, (OK-Z016) CUSTER, (OK-Z018) KINGFISHER, (OK-Z019) LOGAN, (OK-Z020) PAYNE, (OK-Z022) WASHITA, (OK-Z023) CADDO, (OK-Z024) CANADIAN, (OK-Z026) LINCOLN, (OK-Z027) GRADY, (OK-Z028) MCCLAIN, (OK-Z029) CLEVELAND, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z039) STEPHENS, (OK-Z040) GARVIN, (OK-Z041) MURRAY, (OK-Z042) PONTOTOC, (OK-Z043) COAL, (OK-Z044) COTTON, (OK-Z045) JEFFERSON, (OK-Z046) CARTER, (OK-Z047) JOHNSTON, (OK-Z048) ATOKA, (OK-Z050) LOVE, (OK-Z051) MARSHALL, (OK-Z052) BRYAN

	08/23/24 11:00 CST		0	Excessive Heat
	08/25/24 20:00 CST		0	

Hot temperatures and high humidity combined to create dangerous heat indices (in excess of 105 to 110-degrees) across the western two-thirds of Oklahoma during the afternoon and evening of 23rd to 26th.

WOODWARD COUNTY --- 3.0 SW WOODWARD [36.40, -99.43]

	08/23/24 17:05 CST		50K	Thunderstorm Wind (EG 56 kt)
	08/23/24 17:05 CST		0	Source: Public

Relayed images showing roof damage to a house and metal machine shed. A camper trailer was also blown over. Report relayed through broadcast media. Location is approximate and time is radar estimated.

WOODWARD COUNTY --- 2.0 N WOODWARD [36.46, -99.39]

	08/23/24 17:15 CST		15K	Thunderstorm Wind (EG 61 kt)
	08/23/24 17:15 CST		0	Source: Public

Multiple power poles snapped along Oklahoma Highway 34 north of the community of Woodward. Report relayed through broadcast media. Location is approximate and time is radar estimated.

Despite being beneath a strong upper high-pressure center, scattered diurnal convection developed across northwestern Oklahoma. Strong heating and weak wind shear promoted a few disorganized storms with reports of downburst wind damage.

HARPER COUNTY --- 6.1 S LAVERNE [36.62, -99.90]

	08/25/24 16:50 CST		5K	Thunderstorm Wind (EG 52 kt)
	08/25/24 16:50 CST		0	Source: Law Enforcement

Powerlines blown down along U.S. Highway 270. Time is radar estimated.

Despite being beneath a strong upper high-pressure center, scattered diurnal convection developed across northwestern Oklahoma. Strong heating and weak wind shear promoted a few disorganized storms with reports of downburst wind damage.

(OK-Z011) MAJOR, (OK-Z012) GARFIELD, (OK-Z016) CUSTER, (OK-Z017) BLAINE, (OK-Z021) BECKHAM, (OK-Z022) WASHITA, (OK-Z023) CADDO, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z038) COMANCHE, (OK-Z039) STEPHENS, (OK-Z044) COTTON

	08/27/24 06:00 CST		0	Drought
	08/31/24 23:59 CST		0	

Progressively drier conditions (rainfall deficits) during the middle to late part of the month led to increased severe (or greater) drought conditions, especially across the Red River Valley.

TEXAS, Western North

(TX-Z085) WILBARGER, (TX-Z086) WICHITA, (TX-Z089) ARCHER, (TX-Z090) CLAY

	08/01/24 12:00 CST		0	Heat
	08/02/24 19:00 CST		0	

Hot temperatures and high humidity combined to create dangerous heat indices (in excess of 105 to 110-degrees) across western-north Texas during the afternoon and evening of 1st and 2nd.

(TX-Z085) WILBARGER, (TX-Z089) ARCHER, (TX-Z090) CLAY

Storm Data and Unusual Weather Phenomena - August 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/07/24 11:00 CST		0	Heat
	08/08/24 20:00 CST		0	

(TX-Z086) WICHITA

	08/07/24 11:00 CST		0	Excessive Heat
	08/08/24 20:00 CST		0	

Hot temperatures and high humidity combined to create dangerous heat indices (in excess of 105 to 110-degrees) across western-north Texas during the afternoon and evening of 7th and 8th.

(TX-Z089) ARCHER

	08/08/24 15:24 CST		0	Wildfire
	08/09/24 18:48 CST		0	

The combination of hot, dry and breezy conditions created favorable conditions for fire starts and spread.

(TX-Z085) WILBARGER, (TX-Z086) WICHITA, (TX-Z089) ARCHER, (TX-Z090) CLAY

	08/11/24 12:00 CST		0	Heat
	08/16/24 19:00 CST		0	

(TX-Z085) WILBARGER, (TX-Z086) WICHITA

	08/13/24 11:00 CST		0	Excessive Heat
	08/16/24 19:00 CST		0	

Hot temperatures and high humidity combined to create dangerous heat indices (in excess of 105 to 110-degrees) across western-north Texas during the afternoon and evening of 11th to 16th.

(TX-Z085) WILBARGER

	08/15/24 18:18 CST		0	Wildfire
	08/16/24 11:39 CST		0	

The combination of hot, dry and breezy conditions created favorable conditions for fire starts and spread.

(TX-Z085) WILBARGER, (TX-Z086) WICHITA, (TX-Z089) ARCHER, (TX-Z090) CLAY

	08/17/24 11:00 CST		0	Excessive Heat
	08/20/24 20:00 CST		0	

(TX-Z085) WILBARGER, (TX-Z086) WICHITA, (TX-Z089) ARCHER, (TX-Z090) CLAY

	08/18/24 11:00 CST		0	Heat
	08/22/24 19:00 CST		0	

Hot temperatures and high humidity combined to create dangerous heat indices (in excess of 105 to 110-degrees) across western-north Texas during the afternoon and evening of 17th to 22nd.

(TX-Z086) WICHITA

	08/18/24 13:14 CST		0	Wildfire
	08/19/24 12:40 CST		0	

The combination of hot, dry and breezy conditions created favorable conditions for fire starts and spread.

(TX-Z083) HARDEMAN, (TX-Z084) FOARD, (TX-Z085) WILBARGER, (TX-Z086) WICHITA, (TX-Z088) BAYLOR, (TX-Z089) ARCHER, (TX-Z090) CLAY

	08/27/24 06:00 CST		0	Drought
	08/31/24 23:59 CST		0	

Progressively drier conditions (rainfall deficits) during the middle to late part of the month led to increased severe (or greater) drought conditions, especially across the Red River Valley.