

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
WASHINGTON COUNTY --- (FYV)FAYETTEVILLE AR [36.00, -94.17]				
	05/09/13 05:25 CST		0	Thunderstorm Wind (MG 51 kt)
	05/09/13 05:25 CST		0	Source: ASOS
The ASOS instrument at Drake Field in Fayetteville measured 59 mph thunderstorm wind gusts.				
WASHINGTON COUNTY --- 3.0 NW ELKINS [36.03, -94.04]				
	05/09/13 05:31 CST		10K	Thunderstorm Wind (EG 65 kt)
	05/09/13 05:31 CST		0	Source: Public
Strong thunderstorm wind blew down trees, damaged a roof, blew down a chimney, and damaged a barn.				
WASHINGTON COUNTY --- ELKINS [36.00, -94.00]				
	05/09/13 05:50 CST		0	Thunderstorm Wind (EG 70 kt)
	05/09/13 05:50 CST		0	Source: Storm Chaser
A storm chaser reported several trees had been uprooted or snapped by strong thunderstorm winds.				
Thunderstorms developed along an outflow boundary that was pushing into northeastern Oklahoma during the early morning hours of the 9th. The storms moved into northwestern Arkansas before sunrise, the stronger of which resulted in damaging wind gusts.				
WASHINGTON COUNTY --- 1.0 ENE JOHNSON [36.13, -94.15], 0.4 N JOHNSON [36.14, -94.17], 1.7 SW SPRINGDALE [36.17, -94.15], 0.7 SW SPRINGDALE MUNI ARPT [36.16, -94.13]				
	05/10/13 01:30 CST		0	Flash Flood (due to Heavy Rain)
	05/10/13 03:30 CST		0	Source: Emergency Manager
Several roads across northern Washington County were reported flooded.				
BENTON COUNTY --- 0.5 NNE CAVE SPGS [36.28, -94.23], 0.9 N CAVE SPGS [36.28, -94.23], 1.1 NNE CAVE SPGS [36.28, -94.22], 0.9 NE CAVE SPGS [36.28, -94.22]				
	05/10/13 03:00 CST		0	Flash Flood (due to Heavy Rain)
	05/10/13 11:30 CST		0	Source: Broadcast Media
The intersection of Highway 112 at Wallace Lane was flooded.				
BENTON COUNTY --- 0.5 S BENTONVILLE [36.36, -94.22], 1.3 N BENTONVILLE [36.39, -94.22], 2.3 NE BENTONVILLE [36.39, -94.19], 2.3 E BENTONVILLE MUNI ARP [36.36, -94.18]				
	05/10/13 03:00 CST		20K	Flash Flood (due to Heavy Rain)
	05/10/13 11:30 CST		0	Source: Broadcast Media
Numerous roads were closed due to flooding. Flood water was reported in two homes, one of which was evacuated.				
BENTON COUNTY --- 0.6 NNW CENTERTON [36.36, -94.29], 0.6 NNW CENTERTON [36.36, -94.28], 0.3 NNW CENTERTON [36.35, -94.28], 0.4 NW CENTERTON [36.35, -94.29]				
	05/10/13 03:00 CST		0	Flash Flood (due to Heavy Rain)
	05/10/13 11:30 CST		0	Source: Broadcast Media
Portions of South Fish Hatchery Road were flooded.				
BENTON COUNTY --- 1.8 ESE SPRINGTOWN [36.26, -94.39], 1.7 WSW HIGHFILL [36.26, -94.38], 1.8 WSW HIGHFILL [36.26, -94.38], 1.9 ESE SPRINGTOWN [36.26, -94.39]				
	05/10/13 03:00 CST		0	Flash Flood (due to Heavy Rain)
	05/10/13 11:30 CST		0	Source: Broadcast Media
Portions of Highway 264 were reported flooded.				
BENTON COUNTY --- BELLA VISTA [36.43, -94.23], 1.0 ESE BELLA VISTA [36.42, -94.21], 0.9 SE BELLA VISTA [36.42, -94.22], 0.2 SSW BELLA VISTA [36.43, -94.23]				

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	05/10/13 03:00 CST		0	Flash Flood (due to Heavy Rain)
	05/10/13 11:30 CST		0	Source: Broadcast Media
Portions of McNelly Road were flooded.				
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BENTON COUNTY --- GENTRY [36.27, -94.48], 0.6 W GENTRY [36.27, -94.49], 0.9 SW GENTRY [36.26, -94.49], 0.6 S GENTRY [36.26, -94.48]				
	05/10/13 03:00 CST		0	Flash Flood (due to Heavy Rain)
	05/10/13 11:30 CST		0	Source: Broadcast Media
Main Street was reported flooded near Collins Avenue.				
Persistent and occasionally heavy rainfall occurred from the evening of the 9th through the morning of the 10th across parts of northwest Arkansas. Rainfall was sufficient to produce widespread flooding over much of Benton County.				
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CARROLL COUNTY --- 0.3 NNE BEAVER [36.47, -93.77]				
	05/19/13 18:29 CST		5K	Thunderstorm Wind (EG 56 kt)
	05/19/13 18:29 CST		0	Source: Emergency Manager
Large tree limbs and power lines were blown down by strong thunderstorm wind across northwestern Carroll County.				
Thunderstorms moved east into northwestern Arkansas during the evening of the 19th. Widespread severe weather occurred over eastern Oklahoma as a result of these storms but they weakened by the time they reached the state line and only resulted in isolated damaging wind in northwestern Arkansas.				
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WASHINGTON COUNTY --- 2.5 WNW CINCINNATI [36.04, -94.54], 2.2 NNW CINCINNATI [36.06, -94.51]				
	05/20/13 17:45 CST		0.10M	Tornado (EF1, L: 2.20 mi , W: 500 yd)
	05/20/13 17:47 CST		0	Source: NWS Storm Survey
This is the second and final segment of this tornado. In Washington County, this tornado damaged a home, damaged several barns, and snapped or uprooted numerous trees. Based on this damage, maximum estimated wind in this tornado segment was 100 to 110 mph.				
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BENTON COUNTY --- 2.6 WNW SILOAM SPGS [36.20, -94.57], 2.9 N SILOAM SPGS [36.22, -94.53]				
	05/20/13 17:49 CST		50K	Tornado (EF1, L: 2.90 mi , W: 500 yd)
	05/20/13 17:54 CST		0	Source: NWS Storm Survey
This tornado developed just east of the state line, traveled east-northeast, and then turned more to the north before dissipating. It caused minor damage to a number of homes and blew down numerous large trees. Based on this damage, maximum estimated wind in the tornado was 85 to 95 mph.				
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CARROLL COUNTY --- 3.6 NNE OAK GROVE [36.50, -93.40]				
	05/20/13 17:55 CST		10K	Thunderstorm Wind (EG 56 kt)
	05/20/13 17:55 CST		0	Source: Emergency Manager
Large trees limbs and power lines were blown down by strong thunderstorm wind in and around Blue Eye. Numerous power outages resulted from the damage.				
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WASHINGTON COUNTY --- 0.4 SW TONTITOWN [36.18, -94.24]				
	05/20/13 18:06 CST		20K	Thunderstorm Wind (EG 56 kt)
	05/20/13 18:06 CST		0	Source: Emergency Manager
Strong thunderstorm wind destroyed an outbuilding.				
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BENTON COUNTY --- BENTONVILLE [36.37, -94.22]				
	05/20/13 18:12 CST		0	Thunderstorm Wind (EG 56 kt)
	05/20/13 18:12 CST		0	Source: Law Enforcement
Strong thunderstorm wind estimated to 65 mph blew down large tree limbs.				
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WASHINGTON COUNTY --- 0.4 SW SPRINGDALE MUNI ARPT [36.17, -94.13]				
	05/20/13 18:13 CST	1	2K	Thunderstorm Wind (EG 56 kt)
	05/20/13 18:13 CST		0	Source: Broadcast Media

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Strong thunderstorm wind damaged the sign of a business. The debris from the sign blew across Highway 412, struck a car in the driver side window, and killed the driver instantly.				

Direct Fatalities: M19VE

BENTON COUNTY --- 0.2 SSE BENTONVILLE MUNI ARP [36.35, -94.22]

05/20/13 18:15 CST			0	Thunderstorm Wind (MG 53 kt)
05/20/13 18:15 CST			0	Source: AWOS

The AWOS instrument at Bentonville Municipal Airport measured 61 mph thunderstorm wind gusts.

WASHINGTON COUNTY --- 0.3 SW SPRINGDALE MUNI ARPT [36.17, -94.12]

05/20/13 18:15 CST			0	Thunderstorm Wind (MG 60 kt)
05/20/13 18:15 CST			0	Source: Trained Spotter

A storm spotter measured thunderstorm wind gusts of 69 mph.

BENTON COUNTY --- 0.4 N LOWELL [36.26, -94.13]

05/20/13 18:16 CST			10K	Thunderstorm Wind (EG 56 kt)
05/20/13 18:16 CST			0	Source: Law Enforcement

Strong thunderstorm wind blew down numerous large tree limbs, power poles, and power lines across town.

WASHINGTON COUNTY --- SPRINGDALE [36.18, -94.13]

05/20/13 18:17 CST			0	Thunderstorm Wind (EG 61 kt)
05/20/13 18:17 CST			0	Source: Trained Spotter

A storm spotter estimated thunderstorm wind gusts of 70 mph.

BENTON COUNTY --- PEA RIDGE [36.45, -94.12]

05/20/13 18:21 CST			15K	Thunderstorm Wind (EG 70 kt)
05/20/13 18:21 CST			0	Source: Emergency Manager

Strong thunderstorm wind blew down a tree onto a house.

WASHINGTON COUNTY --- WEDINGTON [36.08, -94.42]

05/20/13 18:21 CST			0	Thunderstorm Wind (EG 61 kt)
05/20/13 18:21 CST			0	Source: Public

Strong thunderstorm wind gusts were estimated to 70 mph.

BENTON COUNTY --- 2.3 E LARUE [36.32, -93.93], 2.7 ENE LARUE [36.33, -93.92]

05/20/13 18:24 CST			50K	Tornado (EF1, L: 0.80 mi , W: 270 yd)
05/20/13 18:25 CST			0	Source: NWS Storm Survey

This tornado damaged one home, damaged several boat docks, and blew down trees. Based on this damage, maximum estimated wind in the tornado was 90 to 100 mph.

BENTON COUNTY --- 0.2 SW GARFIELD [36.45, -93.97]

05/20/13 18:25 CST			15K	Thunderstorm Wind (EG 70 kt)
05/20/13 18:25 CST			0	Source: Emergency Manager

Strong thunderstorm wind blew down a tree onto a house.

WASHINGTON COUNTY --- 4.7 NNE MAYFIELD [36.19, -93.91]

05/20/13 18:29 CST			15K	Thunderstorm Wind (EG 75 kt)
05/20/13 18:29 CST			0	Source: Public

Several large trees were blown down by strong thunderstorm wind, one of which fell onto a house.

CARROLL COUNTY --- 0.6 NW EUREKA SPGS [36.41, -93.74]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/20/13 18:37 CST		5K	Thunderstorm Wind (EG 70 kt)
	05/20/13 18:37 CST		0	Source: Law Enforcement
Several large trees and a few power poles were blown down by strong thunderstorm wind.				
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CARROLL COUNTY --- 1.0 S BEAVER [36.46, -93.77]				
	05/20/13 18:40 CST		0	Thunderstorm Wind (EG 70 kt)
	05/20/13 18:40 CST		0	Source: Trained Spotter
A storm spotter reported several large trees uprooted or snapped by strong thunderstorm wind.				
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CARROLL COUNTY --- EUREKA SPGS [36.40, -93.73]				
	05/20/13 18:40 CST		0	Thunderstorm Wind (EG 70 kt)
	05/20/13 18:40 CST		0	Source: Trained Spotter
A storm spotter estimated thunderstorm wind gusts to 80 mph.				
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CRAWFORD COUNTY --- NATURAL DAM [35.65, -94.40]				
	05/20/13 19:00 CST		0	Thunderstorm Wind (EG 65 kt)
	05/20/13 19:00 CST		0	Source: Post Office
Strong thunderstorm wind blew down a tree.				
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MADISON COUNTY --- 0.7 NNW HUNTSVILLE [36.09, -93.74]				
	05/20/13 19:37 CST		0	Thunderstorm Wind (EG 65 kt)
	05/20/13 19:37 CST		0	Source: Trained Spotter
Strong thunderstorm wind blew down a large tree.				
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SEBASTIAN COUNTY --- FT SMITH [35.38, -94.42]				
	05/20/13 20:10 CST		5K	Thunderstorm Wind (EG 65 kt)
	05/20/13 20:10 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down several trees and power lines.				
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CRAWFORD COUNTY --- 0.5 N VAN BUREN [35.44, -94.35]				
	05/20/13 20:15 CST		2K	Thunderstorm Wind (EG 70 kt)
	05/20/13 20:15 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew out the windows of a building on Washington Street. Multiple large trees were also blown down across the county.				
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CRAWFORD COUNTY --- VAN BUREN [35.43, -94.35]				
	05/20/13 20:17 CST		0	Thunderstorm Wind (EG 65 kt)
	05/20/13 20:17 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down a large tree.				
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FRANKLIN COUNTY --- 4.0 ESE PETER PENDER [35.33, -93.87]				
	05/20/13 20:35 CST		0	Thunderstorm Wind (EG 52 kt)
	05/20/13 20:35 CST		0	Source: Emergency Manager
Small trees and branches were blown down by strong thunderstorm wind onto Highway 23.				
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FRANKLIN COUNTY --- 2.4 ESE POPING [35.44, -93.86]				
	05/20/13 20:44 CST		0	Thunderstorm Wind (EG 70 kt)
	05/20/13 20:44 CST		0	Source: Emergency Manager
Oak Bend Road at Highway 96 was blocked by large trees that had blown down by strong thunderstorm wind.				
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FRANKLIN COUNTY --- 1.3 NE POPING [35.46, -93.88]				
	05/20/13 20:48 CST		0	Thunderstorm Wind (EG 65 kt)
	05/20/13 20:48 CST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A few trees were blown down by strong thunderstorm winds.				

FRANKLIN COUNTY --- 0.5 ESE ALTUS [35.45, -93.76]				
	05/20/13 20:49 CST		5K	Thunderstorm Wind (EG 65 kt)
	05/20/13 20:49 CST		0	Source: Emergency Manager

A few trees and power lines were blown down by strong thunderstorm winds.

FRANKLIN COUNTY --- 2.4 S WEBB CITY [35.45, -93.83]				
	05/20/13 20:49 CST		0	Thunderstorm Wind (EG 56 kt)
	05/20/13 20:49 CST		0	Source: Emergency Manager

Strong thunderstorm wind snapped large limbs, which fell onto the road blocking the intersection of Highways 23 and 96.

FRANKLIN COUNTY --- 6.0 N OZARK [35.59, -93.83]				
	05/20/13 20:56 CST		0	Hail (1.00 in)
	05/20/13 20:56 CST		0	Source: Emergency Manager

Severe thunderstorms developed along a nearly stationary frontal boundary over central Oklahoma during the early afternoon hours of the 20th. Very unstable air combined with strong low-level and deep-layer shear resulted in long-lived supercells forming over central Oklahoma and moving eastward into eastern Oklahoma. The storms organized into bow echos and line segments over eastern Oklahoma, from which several other tornadoes developed during the early evening hours. One such tornado moved into northwestern Arkansas dissipating north of Cincinnati in Washington County. Two other tornadoes developed in Benton County. Damaging wind and large hail was also widespread across the region from these storms.

BENTON COUNTY --- ROGERS [36.33, -94.12]				
	05/30/13 13:53 CST		0	Lightning
	05/30/13 13:53 CST	2	0	Source: Broadcast Media

Two people were struck and injured by lightning while outside in a parking lot. Both victims were transported to the hospital.

BENTON COUNTY --- SILOAM SPGS [36.18, -94.53]				
	05/30/13 20:50 CST		0	Thunderstorm Wind (EG 65 kt)
	05/30/13 20:50 CST		0	Source: Emergency Manager

A tree and several large limbs were blown down by strong thunderstorm winds.

WASHINGTON COUNTY --- TONTITOWN [36.18, -94.23]				
	05/30/13 21:26 CST		0	Hail (1.00 in)
	05/30/13 21:26 CST		0	Source: Trained Spotter

WASHINGTON COUNTY --- SPRINGDALE [36.18, -94.13]				
	05/30/13 21:30 CST		0	Hail (1.00 in)
	05/30/13 21:30 CST		0	Source: Public

WASHINGTON COUNTY --- 2.0 S SAVOY [36.07, -94.33]				
	05/30/13 22:00 CST		0	Thunderstorm Wind (EG 70 kt)
	05/30/13 22:00 CST		0	Source: Public

Several large trees were blown down by strong thunderstorm winds.

Severe thunderstorms developed across central and eastern Oklahoma during the afternoon hours of the 30th, ahead of a dry line over central Oklahoma and along an outflow boundary across northeastern Oklahoma. The storms moved into northwestern Arkansas during the evening, producing some large hail and damaging wind.

OKLAHOMA, Eastern

(OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z057) CRAIG, (OK-Z059) PAWNEE, (OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z064) CREEK

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/01/13 00:00 CST		0	Drought
	05/31/13 22:00 CST		0	

Widespread and heavy rainfall fell across much of eastern Oklahoma during May 2013. The region generally received between four and ten inches of rain during the month with some areas receiving in excess of fifteen inches. This month's rainfall, combined with rainfall over the past couple months, helped alleviate drought conditions across all of eastern Oklahoma. Severe (D2) to extreme (D3) drought conditions across a large portion of northeastern Oklahoma early in the month improved to abnormally dry (D0) to moderate drought (D1) by month's end. Monetary damage estimates as a result of the drought were not available.

TULSA COUNTY --- 2.0 SSE BOZARTH [36.05, -96.01]

05/09/13 03:06 CST	0	Thunderstorm Wind (EG 56 kt)
05/09/13 03:06 CST	0	Source: Public

Strong thunderstorm wind snapped large tree limbs.

Thunderstorms developed along an outflow boundary that was pushing into northeastern Oklahoma during the early morning hours of the 9th. The stronger storms produced damaging wind gusts.

ADAIR COUNTY --- 0.8 ESE WATTS [36.12, -94.56], 1.0 NE WATTS [36.13, -94.56], 2.7 WNW WATTS [36.14, -94.61], 2.2 W WATTS [36.12, -94.61]

05/10/13 08:00 CST	0	Flood (due to Heavy Rain)
05/11/13 02:00 CST	0	Source: Official NWS Observations

The Illinois River near Watts rose above its flood stage of 13 feet at 9:00 am CDT on May 10th. The river crested at 18.77 feet at 7:00 pm CDT on the 10th, resulting in moderate flooding. The river fell below flood stage at 3:00 am CDT on the 11th.

Very persistent and occasionally heavy rainfall occurred from the evening of the 9th through the morning of the 10th across the headwaters of the Illinois River. This heavy rainfall resulted in moderate flooding of the Illinois River near Watts.

CHEROKEE COUNTY --- 2.0 SSE TAHLEQUAH [35.89, -94.96], 3.0 SE TAHLEQUAH [35.89, -94.93], 5.0 ENE TAHLEQUAH [35.95, -94.89], 3.5 NE TAHLEQUAH [35.96, -94.93]

05/10/13 21:00 CST	0	Flood (due to Heavy Rain)
05/12/13 01:00 CST	0	Source: Official NWS Observations

The Illinois River near Tahlequah rose above its flood stage of 11 feet at 10:00 pm CDT on May 10th. The river crested at 15.11 feet at 7:00 pm CDT on the 11th, resulting in moderate flooding. The river fell below flood stage at 2:00 am CDT on the 12th.

Very persistent and occasionally heavy rainfall occurred from the evening of the 9th through the morning of the 10th across the headwaters of the Illinois River. This heavy rainfall resulted in moderate flooding of the Illinois River near Tahlequah.

CHOCTAW COUNTY --- GRANT [33.93, -95.52]

05/15/13 15:20 CST	0	Hail (0.88 in)
05/15/13 15:20 CST	0	Source: Public

CHOCTAW COUNTY --- 1.0 W HUGO [34.02, -95.54]

05/15/13 15:25 CST	0	Hail (1.00 in)
05/15/13 15:25 CST	0	Source: Public

CHOCTAW COUNTY --- 2.0 WNW HUGO [34.03, -95.55]

05/15/13 15:26 CST	0	Hail (1.00 in)
05/15/13 15:26 CST	0	Source: Public

CHOCTAW COUNTY --- HUGO [34.02, -95.52]

05/15/13 15:30 CST	0	Hail (1.00 in)
05/15/13 15:30 CST	0	Source: Trained Spotter

PITTSBURG COUNTY --- FEATHERSTON [35.07, -95.50]

05/15/13 17:05 CST	50K	Thunderstorm Wind (EG 70 kt)
05/15/13 17:05 CST	0	Source: Law Enforcement

Strong thunderstorm wind blew down several power poles, flipped over a storage building and blew another into a line of trees, and flipped over a pontoon boat.

Thunderstorms developed along a dry line and moved across parts of southeastern Oklahoma. Large hail and damaging winds occurred with the stronger storms.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ROGERS COUNTY --- 6.8 NNW CATOOSA [36.27, -95.80]				
	05/19/13 01:41 CST		0	Thunderstorm Wind (EG 65 kt)
	05/19/13 01:41 CST		0	Source: NWS Employee
Strong thunderstorm wind blew down a large tree branch onto a driveway.				
CREEK COUNTY --- 0.6 N DRUMRIGHT [35.99, -96.60]				
	05/19/13 17:40 CST		0	Hail (1.00 in)
	05/19/13 17:40 CST		0	Source: Storm Chaser
CREEK COUNTY --- 2.1 WNW SHAMROCK [35.93, -96.61], 2.1 WNW SHAMROCK [35.93, -96.61]				
	05/19/13 17:47 CST		0	Tornado (EF0, L: 0.20 mi , W: 50 yd)
	05/19/13 17:48 CST		0	Source: Storm Chaser
A brief tornado was photographed by a Fox23 storm chaser. No damage is known to have occurred from this tornado as it remained over open country.				
CREEK COUNTY --- 0.4 WSW NEW MANNFORD [36.13, -96.36]				
	05/19/13 18:08 CST		0	Hail (0.88 in)
	05/19/13 18:08 CST		0	Source: Amateur Radio
OKFUSKEE COUNTY --- 4.5 NW PADEN [35.55, -96.62], 3.4 ENE MICAWBER [35.64, -96.46]				
	05/19/13 18:20 CST		50K	Tornado (EF1, L: 10.90 mi , W: 700 yd)
	05/19/13 18:38 CST		0	Source: NWS Storm Survey
This is the second segment of a three segment tornado, which began in Lincoln County north-northeast of Prague. In Okfuskee County, the tornado snapped or uprooted numerous trees and damaged several barns and outbuildings. Based on this damage, maximum estimated wind in this segment of the tornado was 100 to 110 mph. The tornado continued into Creek County, where it dissipated.				
CREEK COUNTY --- 6.7 SSW IRON POST [35.64, -96.46], 5.3 SSW IRON POST [35.65, -96.45]				
	05/19/13 18:38 CST		0	Tornado (EF1, L: 1.40 mi , W: 200 yd)
	05/19/13 18:40 CST		0	Source: NWS Storm Survey
This is the third segment of a three segment tornado, continuing from Okfuskee County. In Creek County, this tornado snapped large tree limbs and uprooted a few small trees. Based on this damage, maximum estimated wind in this segment of the tornado was 85 to 95 mph.				
OKMULGEE COUNTY --- 2.3 W NUYAKA [35.65, -96.17]				
	05/19/13 19:20 CST		0	Hail (1.00 in)
	05/19/13 19:20 CST		0	Source: Public
OKMULGEE COUNTY --- BEGGS [35.73, -96.07]				
	05/19/13 19:30 CST		0	Hail (1.00 in)
	05/19/13 19:30 CST		0	Source: Broadcast Media
OSAGE COUNTY --- 0.5 ENE SHIDLER ARPT [36.78, -96.66]				
	05/19/13 20:10 CST		0	Hail (1.00 in)
	05/19/13 20:10 CST		0	Source: County Official
OSAGE COUNTY --- 0.8 WSW BURBANK [36.69, -96.73]				
	05/19/13 20:38 CST		10K	Thunderstorm Wind (EG 56 kt)
	05/19/13 20:38 CST		0	Source: Post Office
A small barn was destroyed and several large tree limbs were blown down by strong thunderstorm wind.				
OSAGE COUNTY --- 9.0 NW BIGHEART [36.94, -96.34]				
	05/19/13 20:41 CST		0	Thunderstorm Wind (EG 52 kt)
	05/19/13 20:41 CST		0	Source: Public
Strong thunderstorm wind blew down large tree limbs.				

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OSAGE COUNTY --- 1.0 N FAIRFAX [36.58, -96.70]				
	05/19/13 21:01 CST		0	Thunderstorm Wind (EG 65 kt)
	05/19/13 21:01 CST		0	Source: Law Enforcement
A large tree was blown down onto a roadway by strong thunderstorm winds.				
WASHINGTON COUNTY --- 5.0 NW COPAN [36.95, -95.99]				
	05/19/13 21:20 CST		0	Hail (1.00 in)
	05/19/13 21:20 CST		0	Source: Public
NOWATA COUNTY --- 0.6 SE SOUTH COFFEEVILLE AR [36.99, -95.62]				
	05/19/13 21:43 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/19/13 21:43 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down a few power poles.				
CRAIG COUNTY --- 7.0 N WELCH [36.97, -95.10]				
	05/19/13 22:12 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/19/13 22:12 CST		0	Source: Public
Strong thunderstorm wind blew down several power poles.				
<p>Early morning thunderstorms produced isolated wind damage across northeastern Oklahoma during the morning of the 19th but more widespread severe weather occurred later in the day. Severe thunderstorms developed across central Oklahoma along a dry line during the late afternoon hours. Very unstable air combined with very strong wind shear allowed these storms to evolve rapidly into supercells, which produced several damaging tornadoes in central Oklahoma before moving into eastern Oklahoma. Most of these supercell thunderstorms gradually weakened as they moved into the eastern portion of the state. The storm that produced damaging tornadoes around Shawnee also produced a strong tornado west and northwest of Prague, and another north northeast of Prague that moved across northwestern Okfuskee County. Another supercell produced a brief tornado northwest of Shamrock in northwestern Creek County before weakening as it moved further into northeastern Oklahoma. Large hail and damaging wind was reported across portions of northeastern Oklahoma during the evening.</p>				
OSAGE COUNTY --- 9.0 N BIGHEART [36.98, -96.22]				
	05/20/13 14:15 CST		25K	Hail (4.25 in)
	05/20/13 14:15 CST		0	Source: Public
PAWNEE COUNTY --- 0.8 SSE CLEVELAND [36.31, -96.47]				
	05/20/13 14:15 CST		0	Hail (0.88 in)
	05/20/13 14:15 CST		0	Source: Post Office
OSAGE COUNTY --- 4.3 S AVANT [36.42, -96.08], 4.7 SE AVANT [36.44, -96.00]				
	05/20/13 14:51 CST		5K	Tornado (EF1, L: 4.50 mi , W: 500 yd)
	05/20/13 15:01 CST		0	Source: NWS Storm Survey
This is the first segment of a two segment tornado. In Osage County, the tornado snapped or uprooted a number of hardwood trees. Large tree limbs were snapped, one of which fell onto the roof of a home. Based on this damage, estimated maximum wind in the tornado was 100 to 110 mph. It was photographed by a number of storm spotters and storm chasers. This tornado continued into Washington County, Oklahoma.				
WASHINGTON COUNTY --- 6.8 W VERA [36.44, -96.00], 5.3 W VERA [36.46, -95.97]				
	05/20/13 15:01 CST		0	Tornado (EF1, L: 2.00 mi , W: 500 yd)
	05/20/13 15:05 CST		0	Source: NWS Storm Survey
This is the second and final segment of this tornado. In Washington County, the tornado snapped or uprooted numerous trees. Based on this damage, maximum estimated wind in the tornado was 100 to 110 mph. Numerous storm spotters and storm chasers photographed this tornado.				
WASHINGTON COUNTY --- 2.9 SSE RAMONA [36.49, -95.90], 5.0 E RAMONA [36.53, -95.83]				
	05/20/13 15:21 CST		10K	Tornado (EF1, L: 4.50 mi , W: 400 yd)
	05/20/13 15:30 CST		0	Source: NWS Storm Survey
This tornado damaged the roofs of two homes and damaged the siding of another. It also snapped or uprooted several hardwood trees. Based on this damage, maximum estimated wind in the tornado was 95 to 105 mph. Multiple storm spotters and storm chasers photographed this tornado.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WASHINGTON COUNTY --- 5.6 ENE RAMONA [36.55, -95.82], 6.2 ENE RAMONA [36.55, -95.81]				
	05/20/13 15:33 CST		0	Tornado (EF0, L: 0.60 mi , W: 150 yd)
	05/20/13 15:34 CST		0	Source: Storm Chaser
This is the first segment of a two segment tornado. Several storm spotters and storm chasers photographed this tornado. An NWS damage survey team could find no damage in the Washington County segment as it remained over open country during this portion of its life cycle.				
ROGERS COUNTY --- 7.5 WNW TALALA [36.55, -95.81], 3.9 NNW TALALA [36.58, -95.72]				
	05/20/13 15:34 CST		30K	Tornado (EF1, L: 5.40 mi , W: 500 yd)
	05/20/13 15:47 CST		0	Source: NWS Storm Survey
This is the second and final segment of this tornado. In Rogers County, this tornado remained over open country for much of its life cycle but an NWS damage survey team did find a home that received roof damage and a barn that had two doors blown out by the tornado. A cattle trailer was also thrown across a field. Several trees were also damaged. Based on this damage, maximum estimated wind in the tornado was 95 to 105 mph but video of this tornado indicates that it may have been stronger over open country before it hit the home and barn. Multiple storm spotters and storm chasers photographed the tornado until it dissipated.				
OSAGE COUNTY --- 0.9 NE AVANT [36.49, -96.06]				
	05/20/13 15:50 CST		25K	Hail (2.75 in)
	05/20/13 15:50 CST		0	Source: Post Office
WASHINGTON COUNTY --- 0.3 SE COPAN [36.90, -95.93]				
	05/20/13 15:59 CST		0	Thunderstorm Wind (EG 52 kt)
	05/20/13 15:59 CST		0	Source: Post Office
Strong thunderstorm wind blew down large tree limbs.				
MCINTOSH COUNTY --- 2.8 N CHECOTAH [35.47, -95.52]				
	05/20/13 16:49 CST		0	Thunderstorm Wind (EG 56 kt)
	05/20/13 16:49 CST		0	Source: Law Enforcement
A police officer reported thunderstorm wind gusts estimated to 65 mph.				
MUSKOGEE COUNTY --- WAINWRIGHT [35.62, -95.57]				
	05/20/13 16:52 CST		0	Hail (1.00 in)
	05/20/13 16:52 CST		0	Source: Emergency Manager
CRAIG COUNTY --- 4.3 WSW PYRAMID CORNERS [36.78, -95.22]				
	05/20/13 17:00 CST		0	Thunderstorm Wind (MG 57 kt)
	05/20/13 17:00 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Vinita measured 66 mph thunderstorm wind gusts.				
OTTAWA COUNTY --- 3.6 SW OTTAWA [36.81, -94.85], 3.9 ENE WYANDOTTE [36.83, -94.67]				
	05/20/13 17:25 CST		1M	Tornado (EF2, L: 10.00 mi , W: 800 yd)
	05/20/13 17:40 CST		0	Source: NWS Storm Survey
This tornado snapped or uprooted numerous trees and damaged numerous homes. It moved east-northeast for several miles but turned more easterly after crossing the Neosho River. The most significant damage occurred as the tornado crossed Highway 137, where a metal building and several homes were severely damaged. Many hardwood trees were also snapped above the ground in that area. Based on this damage, maximum estimated wind in the tornado was 115 to 125 mph.				
OTTAWA COUNTY --- 3.1 N FAIRLAND [36.79, -94.86]				
	05/20/13 17:30 CST		5K	Thunderstorm Wind (EG 61 kt)
	05/20/13 17:30 CST		0	Source: Public
Strong thunderstorm wind blew in west-facing garage doors, damaged privacy fences, and snapped large tree limbs along Highway 125.				
ADAIR COUNTY --- 2.0 SE PROCTOR [35.95, -94.76], 1.9 WNW CHRISTIE [35.96, -94.73]				
	05/20/13 17:32 CST		0	Tornado (EF1, L: 2.00 mi , W: 150 yd)
	05/20/13 17:34 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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This tornado uprooted trees and snapped a few other trees. Based on this damage, maximum estimated wind in the tornado was 95 to 105 mph.

OTTAWA COUNTY --- 2.4 WNW WYANDOTTE [36.81, -94.77], 6.5 ENE WYANDOTTE [36.83, -94.62]				
	05/20/13 17:32 CST		0.15M	Tornado (EF1, L: 8.50 mi , W: 600 yd)
	05/20/13 17:41 CST		0	Source: NWS Storm Survey

This is the first segment of a two segment tornado. In Ottawa County, Oklahoma, this tornado damaged several houses, damaged barns and outbuildings, and snapped or uprooted a number of trees. Based on this damage, maximum estimated wind in the tornado was 100 to 110 mph. The tornado moved in an easterly direction for much of its life cycle but turned more to the northeast as it approached the state line. It continued into Newton County, Missouri, and dissipated on the south side of the town of Seneca.

ADAIR COUNTY --- 1.7 WSW CHRISTIE [35.94, -94.73], 1.3 N CHRISTIE [35.97, -94.70]				
	05/20/13 17:35 CST		15K	Tornado (EF1, L: 2.50 mi , W: 300 yd)
	05/20/13 17:37 CST		0	Source: NWS Storm Survey

This tornado snapped or uprooted a number of trees and damaged a barn. Based on this damage, maximum estimated wind in the tornado was 100 to 110 mph.

ADAIR COUNTY --- 1.2 NE ADDIELEE [35.98, -94.61], 4.3 SSE BALLARD [36.04, -94.54]				
	05/20/13 17:40 CST		0.13M	Tornado (EF1, L: 5.80 mi , W: 500 yd)
	05/20/13 17:45 CST		0	Source: NWS Storm Survey

This is the first segment of a two segment tornado. In Adair County, this tornado destroyed two barns and damaged a third barn. It also snapped or uprooted numerous trees as it moved northeast. Based on this damage, maximum estimated wind in this segment of the tornado was 100 to 110 mph. The tornado continued into Washington County, Arkansas, where it dissipated north of the town of Cincinnati.

SEQUOYAH COUNTY --- VIAN [35.50, -94.97]				
	05/20/13 18:21 CST		25K	Thunderstorm Wind (EG 70 kt)
	05/20/13 18:21 CST		0	Source: Public

Strong thunderstorm wind blew down trees onto homes and cars.

PUSHMATAHA COUNTY --- 4.1 NW TUSKAHOMA [34.66, -95.33]				
	05/20/13 18:55 CST		0	Thunderstorm Wind (MG 57 kt)
	05/20/13 18:55 CST		0	Source: Mesonet

The Oklahoma Mesonet station near Clayton measured 66 mph thunderstorm wind gusts.

LE FLORE COUNTY --- TALIHINA [34.75, -95.05]				
	05/20/13 19:14 CST		2K	Thunderstorm Wind (EG 65 kt)
	05/20/13 19:14 CST		0	Source: Emergency Manager

Strong thunderstorm wind blew down a few trees and power lines.

LE FLORE COUNTY --- 2.1 S MILTON [35.14, -94.88], 1.8 SSE MILTON [35.14, -94.86]				
	05/20/13 19:33 CST		0	Tornado (EF0, L: 0.70 mi , W: 260 yd)
	05/20/13 19:34 CST		0	Source: NWS Storm Survey

This tornado damaged trees. Maximum estimated wind in the tornado based on this damage was 70 to 80 mph.

LE FLORE COUNTY --- POTEAU [35.05, -94.62]				
	05/20/13 19:41 CST		10K	Thunderstorm Wind (EG 70 kt)
	05/20/13 19:41 CST		0	Source: Emergency Manager

A building had portions of its roof blown off and several other buildings had windows blown out by strong thunderstorm wind. Numerous trees and power lines were blown down.

SEQUOYAH COUNTY --- 2.8 E AKINS [35.52, -94.65]				
	05/20/13 19:41 CST		0	Thunderstorm Wind (EG 70 kt)
	05/20/13 19:41 CST		0	Source: Public

Strong thunderstorm wind blew down trees along Highway 101.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LE FLORE COUNTY --- 0.7 ENE NEFF [35.07, -94.59], 1.8 S ROCK IS [35.15, -94.48]				
	05/20/13 19:44 CST		5K	Tornado (EF1, L: 8.50 mi , W: 500 yd)
	05/20/13 19:55 CST		0	Source: NWS Storm Survey

This tornado damaged the roof of a home, uprooted several trees, and snapped a number of large tree limbs. Based on this damage, maximum estimated wind in the tornado was 90 to 100 mph.

PUSHMATAHA COUNTY --- 4.0 SSE CLAYTON [34.53, -95.32]				
	05/20/13 20:00 CST		0	Thunderstorm Wind (EG 61 kt)
	05/20/13 20:00 CST		0	Source: Public

Several trees at Clayton State Park were damaged by strong thunderstorm winds.

(OK-Z071) MCINTOSH, (OK-Z073) PITTSBURG				
	05/20/13 20:00 CST		0	High Wind (MAX 56 kt)
	05/20/13 20:25 CST		0	

LE FLORE COUNTY --- 0.8 ENE ARKOMA [35.35, -94.44]				
	05/20/13 20:08 CST		0	Thunderstorm Wind (EG 61 kt)
	05/20/13 20:08 CST		0	Source: Emergency Manager

Large tree limbs were blown down by strong thunderstorm wind.

Severe thunderstorms developed along a nearly stationary frontal boundary over central Oklahoma during the early afternoon hours of the 20th. Very unstable air combined with strong low-level and deep-layer shear resulted in long-lived supercells forming over central Oklahoma and moving eastward into eastern Oklahoma. Several tornadoes occurred from these storms across Osage, Washington, and Nowata Counties. The storms organized into bow echos and line segments over eastern Oklahoma, from which several other tornadoes developed during the early evening hours across Ottawa, Adair, and Le Flore Counties. Damaging wind and large hail was also widespread across the region from these storms.

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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An EF2 tornado severely damaged a metal building northwest of Wyandotte in Ottawa County, Oklahoma, during the evening hours of May 20, 2013. Photo by Ed Calianese, WCM, WFO Tulsa.

LE FLORE COUNTY --- 1.3 SSE SETTLEMENT [34.85, -94.67], 0.7 N HONTUBBY [34.86, -94.55], 2.5 SSE HONTUBBY [34.82, -94.53], 1.5 S CONSER [34.81, -94.67]

05/21/13 08:30 CST	0		Flash Flood (due to Heavy Rain)
05/21/13 12:00 CST	0		Source: Public

Several rural roads were flooded and impassable across portions of Le Flore County.

SEQUOYAH COUNTY --- GANS [35.40, -94.70], 1.6 S GANS [35.38, -94.70], 2.3 SE GANS [35.38, -94.67], 1.5 E GANS [35.40, -94.67]

05/21/13 09:27 CST	0		Flash Flood (due to Heavy Rain)
05/21/13 11:30 CST	0		Source: Emergency Manager

Several roads were reported flooded and impassable.

A cold front pushed into the region early on the 21st, stalling over east central and southeast Oklahoma. Persistent heavy rains led to some localized flash flooding across parts of this area.

PUSHMATAHA COUNTY --- 1.0 NW ANTLERS [34.24, -95.63], 3.0 ENE ANTLERS [34.25, -95.57], 2.0 NE MOYERS [34.34, -95.63], MOYERS [34.32, -95.65]

05/21/13 18:00 CST	0		Flood (due to Heavy Rain)
05/23/13 03:00 CST	0		Source: Official NWS Observations

The Kiamichi River near Antlers rose above its flood stage of 25 feet at 7:00 pm CDT on May 21st. The river crested at 30.68 feet at 10:00 am CDT on the 22nd, resulting in moderate flooding. The river fell below flood stage at 4:00 am CDT on the 23rd.

Thunderstorms developed along a cold front from southwest to east central Oklahoma during the early morning hours of the 21st. The front moved slowly southward and became nearly stationary near the Red River during the day. Widespread and persistent thunderstorm activity occurred along and north of the front for much of the day resulting in locally heavy rainfall across much of

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
southeastern Oklahoma. This heavy rainfall resulted in moderate flooding of the Kiamichi River near Antlers.				
PAWNEE COUNTY --- 2.7 NE PAWNEE [36.36, -96.77]				
	05/29/13 18:30 CST		0	Thunderstorm Wind (MG 50 kt)
	05/29/13 18:30 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Pawnee measured 58 mph thunderstorm wind gusts.				
OSAGE COUNTY --- 3.1 NNE PEARSONIA [36.84, -96.43]				
	05/29/13 18:50 CST		0	Thunderstorm Wind (MG 51 kt)
	05/29/13 18:50 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Foraker measured 59 mph thunderstorm wind gusts.				
CREEK COUNTY --- 3.0 SW NEW MANNFORD [36.10, -96.39]				
	05/29/13 18:58 CST		0	Thunderstorm Wind (EG 70 kt)
	05/29/13 18:58 CST		0	Source: Public
Strong thunderstorm wind blew down several large trees along Highway 48.				
OSAGE COUNTY --- 0.6 SE HOMINY [36.41, -96.39]				
	05/29/13 19:00 CST		15K	Thunderstorm Wind (EG 70 kt)
	05/29/13 19:00 CST		0	Source: Emergency Manager
Several large trees were blown down by strong thunderstorm winds, one of which fell onto a home.				
TULSA COUNTY --- 0.8 SE SAND SPGS [36.14, -96.11]				
	05/29/13 19:26 CST		0	Hail (1.00 in)
	05/29/13 19:26 CST		0	Source: Public
WASHINGTON COUNTY --- 1.5 ESE BARTLESVILLE [36.74, -95.98]				
	05/29/13 19:38 CST		0	Thunderstorm Wind (EG 65 kt)
	05/29/13 19:38 CST		0	Source: Public
A tree was blown down by strong thunderstorm wind.				
PAWNEE COUNTY --- 2.7 NE PAWNEE [36.36, -96.77]				
	05/29/13 21:20 CST		0	Thunderstorm Wind (MG 51 kt)
	05/29/13 21:20 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Pawnee measured 59 mph thunderstorm wind gusts.				
MUSKOGEE COUNTY --- 2.0 SSW BRIARTOWN [35.27, -95.24]				
	05/29/13 23:32 CST		0	Thunderstorm Wind (EG 65 kt)
	05/29/13 23:32 CST		0	Source: Emergency Manager
Large tree limbs and other wind-blown debris blocked portions of Highway 2 between Briartown and the Canadian river.				
HASKELL COUNTY --- 3.0 ENE WHITEFIELD [35.27, -95.18]				
	05/29/13 23:45 CST		0	Thunderstorm Wind (MG 50 kt)
	05/29/13 23:45 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Stigler measured 58 mph thunderstorm wind gusts.				
OSAGE COUNTY --- 0.6 SSW SKIATOOK [36.36, -96.00], 0.6 SE SKIATOOK [36.36, -95.99], 1.0 SSE SKIATOOK [36.36, -95.99], 0.9 SSW SKIATOOK [36.36, -96.00]				
	05/30/13 00:00 CST		25K	Flash Flood (due to Heavy Rain)
	05/30/13 03:00 CST		0	Source: Emergency Manager
Flood water was reported up to and in some homes on Oak Street.				
SEQUOYAH COUNTY --- 1.0 SW MARBLE CITY [35.57, -94.83]				

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	05/30/13 00:10 CST		0	Thunderstorm Wind (EG 70 kt)
	05/30/13 00:10 CST		0	Source: Law Enforcement
Several trees were blown down by strong thunderstorm winds.				
A complex of thunderstorms that formed in Kansas, pushed south into eastern Oklahoma during the evening of the 29th. Strong damaging wind and large hail occurred with the more intense storms. A narrow band of heavy rain also occurred over portions of eastern Osage County, resulting in localized flash flooding.				
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LE FLORE COUNTY --- 0.4 ENE MUSE [34.67, -94.76]				
	05/30/13 10:45 CST		0	Thunderstorm Wind (EG 52 kt)
	05/30/13 10:45 CST		0	Source: Post Office
Several large tree limbs were blown down by strong thunderstorm wind.				
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NOWATA COUNTY --- 0.7 ESE SOUTH COFFEEVILLE AR [36.99, -95.62]				
	05/30/13 12:49 CST		0	Thunderstorm Wind (EG 52 kt)
	05/30/13 12:49 CST		0	Source: Law Enforcement
Several large tree limbs were blown down by strong thunderstorm winds.				
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PAWNEE COUNTY --- 6.0 N PAWNEE [36.42, -96.80]				
	05/30/13 13:20 CST		0	Hail (1.00 in)
	05/30/13 13:20 CST		0	Source: Public
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CREEK COUNTY --- 3.5 NNW OILTON [36.13, -96.60]				
	05/30/13 15:01 CST		0	Tornado (EF0, L: 0.10 mi , W: 50 yd)
	05/30/13 15:01 CST		0	Source: Storm Chaser
Storm chasers reported a brief tornado over open country. No known damage resulted from this tornado.				
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ROGERS COUNTY --- 3.5 SW CATALE [36.54, -95.43]				
	05/30/13 15:50 CST		0	Hail (0.88 in)
	05/30/13 15:50 CST		0	Source: Amateur Radio
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CRAIG COUNTY --- 0.3 E WHITE OAK [36.62, -95.26]				
	05/30/13 15:58 CST		0	Thunderstorm Wind (EG 65 kt)
	05/30/13 15:58 CST		0	Source: Public
A large tree was blown down by strong thunderstorm wind.				
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CREEK COUNTY --- 3.6 W SAPULPA [36.00, -96.16]				
	05/30/13 16:00 CST		0	Hail (1.00 in)
	05/30/13 16:10 CST		0	Source: SHAVE Project
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CREEK COUNTY --- 3.8 WNW SAPULPA [36.02, -96.16]				
	05/30/13 16:03 CST		0	Hail (1.00 in)
	05/30/13 16:08 CST		0	Source: SHAVE Project
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TULSA COUNTY --- 1.0 SE SAND SPGS [36.14, -96.11]				
	05/30/13 16:04 CST		0	Hail (1.00 in)
	05/30/13 16:04 CST		0	Source: Amateur Radio
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CREEK COUNTY --- 2.0 NW SAPULPA [36.02, -96.13]				
	05/30/13 16:07 CST		20K	Hail (1.75 in)
	05/30/13 16:12 CST		0	Source: SHAVE Project
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CREEK COUNTY --- 1.1 NNE HILTON [36.04, -96.05]				
	05/30/13 16:15 CST		0	Hail (1.00 in)
	05/30/13 16:20 CST		0	Source: SHAVE Project

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CREEK COUNTY --- 3.0 E SAPULPA [36.00, -96.05]				
	05/30/13 16:15 CST		0	Hail (1.50 in)
	05/30/13 16:15 CST		0	Source: NWS Employee
CREEK COUNTY --- 0.4 S HILTON [36.01, -96.05]				
	05/30/13 16:16 CST		15K	Hail (1.75 in)
	05/30/13 16:21 CST		0	Source: SHAVE Project
TULSA COUNTY --- 1.4 NW TULSA R L JONES ARPT [36.05, -96.00]				
	05/30/13 16:20 CST		0	Hail (1.00 in)
	05/30/13 16:27 CST		0	Source: SHAVE Project
TULSA COUNTY --- JENKS [36.02, -95.97]				
	05/30/13 16:27 CST		0	Thunderstorm Wind (MG 60 kt)
	05/30/13 16:27 CST		0	Source: Broadcast Media
A storm chaser measured thunderstorm wind gusts of 69 mph.				
TULSA COUNTY --- 4.0 ENE JENKS [36.04, -95.90]				
	05/30/13 16:32 CST		0	Hail (0.88 in)
	05/30/13 16:32 CST		0	Source: Public
TULSA COUNTY --- 6.0 S TULSA [36.06, -95.95]				
	05/30/13 16:38 CST		0	Hail (0.88 in)
	05/30/13 16:38 CST		0	Source: Broadcast Media
TULSA COUNTY --- 4.0 N BIXBY [36.01, -95.88]				
	05/30/13 16:39 CST		0	Hail (1.00 in)
	05/30/13 16:39 CST		0	Source: Public
TULSA COUNTY --- BROKEN ARROW [36.05, -95.78]				
	05/30/13 16:44 CST		0	Hail (0.75 in)
	05/30/13 16:44 CST		0	Source: Amateur Radio
MAYES COUNTY --- 3.0 WSW MAZIE [36.08, -95.42]				
	05/30/13 17:49 CST		0	Tornado (EF0, L: 0.10 mi , W: 50 yd)
	05/30/13 17:49 CST		0	Source: Storm Chaser
Storm chasers photographed a brief tornado over open country. No known damage resulted from this tornado.				
MAYES COUNTY --- 1.6 WSW MAZIE [36.09, -95.40]				
	05/30/13 17:54 CST		0	Tornado (EF0, L: 0.10 mi , W: 50 yd)
	05/30/13 17:54 CST		0	Source: Storm Chaser
Storm chasers photographed a brief tornado over open country. No known damage resulted from this tornado.				
OSAGE COUNTY --- WYNONA [36.55, -96.33]				
	05/30/13 17:54 CST		0	Hail (1.00 in)
	05/30/13 17:54 CST		0	Source: Public
MAYES COUNTY --- 0.2 ENE MAZIE [36.10, -95.37], 0.8 ENE MAZIE [36.10, -95.36]				
	05/30/13 18:08 CST		0	Tornado (EF0, L: 0.60 mi , W: 100 yd)
	05/30/13 18:09 CST		0	Source: Storm Chaser
Storm chasers photographed a tornado over open country. No known damage resulted from this tornado.				
MAYES COUNTY --- 2.2 SSE MURPHY [36.12, -95.23], 3.3 ESE MURPHY [36.14, -95.19]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/30/13 18:24 CST		0	Tornado (EF1, L: 2.10 mi , W: 200 yd)
	05/30/13 18:30 CST		0	Source: NWS Storm Survey

This tornado snapped a couple trees and uprooted several others. Based on this damage, maximum estimated wind in the tornado was 95 to 105 mph.

TULSA COUNTY --- 1.5 N ALSUMA [36.12, -95.87]

	05/30/13 19:16 CST		0	Hail (1.00 in)
	05/30/13 19:16 CST		0	Source: Amateur Radio

TULSA COUNTY --- 1.8 S TULSA YOUNG ARPT [36.10, -95.82]

	05/30/13 19:25 CST		25K	Hail (2.00 in)
	05/30/13 19:25 CST		0	Source: NWS Employee

TULSA COUNTY --- 2.4 S BROKEN ARROW [36.02, -95.78]

	05/30/13 19:39 CST		0	Thunderstorm Wind (EG 65 kt)
	05/30/13 19:39 CST		0	Source: NWS Storm Survey

Strong thunderstorm wind likely associated with the rear flank downdraft of the tornadic supercell snapped numerous large tree limbs south, north, and east of the intersection of E 101st Street South and Lynn Lane.

TULSA COUNTY --- 2.0 SSE BROKEN ARROW [36.02, -95.77], 1.8 SE BROKEN ARROW [36.03, -95.76]

	05/30/13 19:40 CST		50K	Tornado (EF1, L: 0.60 mi , W: 220 yd)
	05/30/13 19:41 CST		0	Source: NWS Storm Survey

This is the first of two segments for this tornado. This tornado developed south of E 96th Street South and west of S 16th Street where it damaged roofs of homes, snapped or uprooted large trees, and destroyed barns as it moved northeast. Based on this damage, maximum estimated wind in this segment of the tornado was 100 to 110 mph. The tornado continued into Wagoner County, crossing County Line Road near E 94th Street South.

WAGONER COUNTY --- 1.8 SE BROKEN ARROW [36.03, -95.76], 2.7 ENE ONETA [36.04, -95.68]

	05/30/13 19:41 CST		3M	Tornado (EF2, L: 5.00 mi , W: 450 yd)
	05/30/13 19:54 CST		0	Source: NWS Storm Survey

This is the second and final segment of this tornado. As the tornado crossed into Wagoner County south of E 91st Street South it blew down trees and damaged barns. Roofs of homes were damaged as it crossed E 91st Street South near S 199th E Avenue, where it also snapped trees and damaged barns. The tornado turned more east crossing open fields and the Muskogee Turnpike. A gas station, several metal buildings, and a small wood-framed building was damaged as it crossed Highway 51.

The tornado appeared to intensify as it approached and crossed S 225th E Avenue where several homes were severely damaged. The most pronounced damage followed as the tornado moved into a subdivision north of E 91st Street South, where the second floor of one home was destroyed. Several other homes in this neighborhood sustained major damage to their roofs and exterior walls. The tornado continued to move eastward, crossing the Muskogee Turnpike where it snapped numerous large trees. Two school buildings lost a number of windows as the tornado approached S 257th E Avenue. A home was damaged and a large outbuilding was destroyed in this area. Trees were snapped along and near Joy Avenue before the tornado dissipated.

Maximum estimated wind in this segment of this tornado based on this damage was 125 to 135 mph.

A complex of storms that had been over portions of eastern Oklahoma during the early morning hours intensified during the late morning and afternoon resulting in isolated reports of large hail and damaging wind. A much more widespread severe weather event occurred later in the day as severe thunderstorms redeveloped across central and eastern Oklahoma during the afternoon hours ahead of a dry line over central Oklahoma and along an outflow boundary across northeastern Oklahoma. The storms produced large hail and damaging wind. A bow echo type of storm produced a brief tornado in northern Creek County during the afternoon. Two supercell thunderstorms moved along the outflow boundary from the morning thunderstorms and produced several tornadoes during the evening. One storm produced several tornadoes across Mayes County and the other produced a damaging tornado in Broken Arrow.

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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An EF2 tornado severely damaged a house in Broken Arrow in Wagoner County, Oklahoma, during the evening of May 30, 2013. Photo by Ed Calianese, WCM, WFO Tulsa.

TULSA COUNTY --- TURLEY [36.25, -95.97], 2.0 E TURLEY [36.25, -95.93], 1.5 ESE SKIATOOK [36.36, -95.97], 0.6 SE SKIATOOK [36.36, -95.99]			
	05/30/13 12:30 CST	0	Flood (due to Heavy Rain)
	05/31/13 23:45 CST	0	Source: Official NWS Observations

The Bird Creek near Sperry rose above its flood stage of 21 feet at 1:30 pm CDT on May 30th. The river crested at 24.43 feet at 8:30 am CDT on the 31st, resulting in moderate flooding. The river fell below flood stage at 12:45 am CDT on June 1st.

Several rounds of thunderstorms occurred across eastern Oklahoma from the 29th through the 31st of May. Widespread and heavy rainfall resulted across the region during this period with four to eight inches of rain occurring across much of northeastern Oklahoma. This rainfall resulted in moderate flooding of the Bird Creek near Sperry.

OTTAWA COUNTY --- 9.0 WNW NORTH MIAMI [36.97, -95.03], 5.3 W MIAMI [36.88, -94.98], 1.6 SSE MIAMI [36.86, -94.87], 7.0 NW NORTH MIAMI [36.98, -94.99]			
	05/30/13 15:30 CST	0	Flood (due to Heavy Rain)
	05/31/13 23:59 CST	0	Source: Official NWS Observations

The Neosho River near Commerce rose above its flood stage of 15 feet at 4:30 pm CDT on May 30th. The river crested at 22 feet at 9:00 am CDT on June 2nd, resulting in moderate flooding. The river fell below flood stage at 4:30 am CDT on June 4th.

Several rounds of thunderstorms occurred across eastern Oklahoma from the 29th through the 31st of May. Widespread and heavy rainfall resulted across the region during this period with four to eight inches of rain occurring across much of northeastern Oklahoma. This rainfall resulted in moderate flooding of the Neosho River near Commerce.

OSAGE COUNTY --- 0.8 S GRAINOLA [36.94, -96.65]			
	05/31/13 16:10 CST	0	Thunderstorm Wind (EG 70 kt)
	05/31/13 16:10 CST	0	Source: Public

Strong thunderstorm wind blew down trees.

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OSAGE COUNTY --- 1.9 SSE BOULANGERVILLE [36.92, -96.21]				
	05/31/13 16:59 CST		0	Thunderstorm Wind (EG 52 kt)
	05/31/13 16:59 CST		0	Source: NWS Storm Survey
A small tree was snapped and large branches were blown down by strong thunderstorm wind.				
OSAGE COUNTY --- 2.3 WNW HULAH [36.95, -96.07]				
	05/31/13 17:18 CST		0	Tornado (EF0, L: 0.10 mi , W: 50 yd)
	05/31/13 17:18 CST		0	Source: Storm Chaser
This brief tornado was reported by a storm chaser. The NWS survey team could find no damage as a result of this tornado as it occurred over open country.				
OSAGE COUNTY --- 4.1 SSE LITTLE CHIEF [36.62, -96.60], 4.8 SE LITTLE CHIEF [36.63, -96.56]				
	05/31/13 17:30 CST		2K	Tornado (EF1, L: 2.50 mi , W: 200 yd)
	05/31/13 17:37 CST		0	Source: NWS Storm Survey
This tornado remained over open country much of its life cycle but did snap two power poles. Maximum estimated wind in the tornado based on this limited amount of damage, from which to make the assessment, was 85 to 95 mph.				
WASHINGTON COUNTY --- 5.4 ESE OWEN [36.96, -95.83], 6.5 E OWEN [36.97, -95.81]				
	05/31/13 17:38 CST		5K	Tornado (EF1, L: 1.20 mi , W: 200 yd)
	05/31/13 17:40 CST		0	Source: NWS Storm Survey
This tornado occurred mostly over open country but did damage the roof of a home and uproot several trees. Based on this damage, maximum estimated wind in the tornado was 85 to 95 mph.				
WASHINGTON COUNTY --- 5.9 ESE OWEN [36.95, -95.83]				
	05/31/13 17:39 CST		0	Thunderstorm Wind (EG 65 kt)
	05/31/13 17:39 CST		0	Source: NWS Storm Survey
Strong thunderstorm wind, likely associated with the tornadic storm's rear flank downdraft, snapped large tree limbs.				
NOWATA COUNTY --- 0.7 SE SOUTH COFFEEVILLE AR [36.99, -95.62]				
	05/31/13 17:55 CST		0	Thunderstorm Wind (EG 56 kt)
	05/31/13 17:55 CST		0	Source: NWS Storm Survey
Numerous trees were damaged by strong thunderstorm wind.				
OSAGE COUNTY --- 9.0 W PAWHUSKA [36.67, -96.49]				
	05/31/13 17:59 CST		0	Thunderstorm Wind (EG 65 kt)
	05/31/13 17:59 CST		0	Source: NWS Storm Survey
A tree was uprooted by strong thunderstorm wind.				
NOWATA COUNTY --- 10.0 ESE SOUTH COFFEYVILLE [36.92, -95.45]				
	05/31/13 18:18 CST		0	Thunderstorm Wind (EG 65 kt)
	05/31/13 18:18 CST		0	Source: NWS Storm Survey
A tree was uprooted by strong thunderstorm wind.				
NOWATA COUNTY --- 11.0 NE LENAPAH [36.96, -95.49]				
	05/31/13 18:18 CST		0	Thunderstorm Wind (EG 52 kt)
	05/31/13 18:18 CST		0	Source: NWS Storm Survey
Large tree limbs were snapped by strong thunderstorm wind.				
NOWATA COUNTY --- 10.4 E SOUTH COFFEYVILLE [36.99, -95.43], 11.1 E SOUTH COFFEYVILLE [37.00, -95.42]				
	05/31/13 18:21 CST		0	Tornado (EF0, L: 1.10 mi , W: 310 yd)
	05/31/13 18:22 CST		0	Source: NWS Storm Survey

This tornado damaged a number of trees. Based on this damage, maximum estimated wind in the tornado was 80 to 85 mph.

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NOWATA COUNTY --- 14.0 NE LENAPAH [36.99, -95.45]				
	05/31/13 18:22 CST		0	Thunderstorm Wind (EG 61 kt)
	05/31/13 18:22 CST		0	Source: NWS Storm Survey
Trees were split and large branches were snapped by strong thunderstorm wind.				
CRAIG COUNTY --- 18.0 WNW WELCH [36.97, -95.40]				
	05/31/13 18:23 CST		0	Thunderstorm Wind (EG 65 kt)
	05/31/13 18:23 CST		0	Source: NWS Storm Survey
A tree was uprooted and large branches were snapped by strong thunderstorm wind.				
CREEK COUNTY --- 1.2 WNW DRUMRIGHT [35.99, -96.62]				
	05/31/13 18:45 CST		15K	Hail (1.75 in)
	05/31/13 18:45 CST		0	Source: Broadcast Media
ROGERS COUNTY --- 5.0 NW TALALA [36.59, -95.73], 4.7 N TALALA [36.60, -95.69]				
	05/31/13 19:21 CST		0	Tornado (EF1, L: 2.80 mi , W: 320 yd)
	05/31/13 19:25 CST		0	Source: NWS Storm Survey
This is the first of two segments of this tornado. The tornado snapped a number of trees and uprooted many others in Rogers County. Based on this tree damage, maximum estimated wind in the tornado was 100 to 110 mph. The tornado was photographed by several storm chasers. It continued into Nowata County, Oklahoma.				
NOWATA COUNTY --- 2.6 SW WATOVA [36.60, -95.69], 1.7 SW WATOVA [36.60, -95.67]				
	05/31/13 19:25 CST		0	Tornado (EF1, L: 0.70 mi , W: 320 yd)
	05/31/13 19:26 CST		0	Source: NWS Storm Survey
This is the final segment of a two segment tornado. In Nowata County, this tornado snapped or uprooted numerous trees. Based on this damage, maximum estimated wind in this segment was 100 to 110 mph. Several storm chasers photographed this tornado. The tornado moved east-northeast, turning more northeasterly as it crossed the N 4110 Road.				
ROGERS COUNTY --- 4.7 N TALALA [36.60, -95.68], 4.7 N TALALA [36.60, -95.67]				
	05/31/13 19:27 CST		0	Tornado (EF1, L: 0.20 mi , W: 240 yd)
	05/31/13 19:28 CST		0	Source: NWS Storm Survey
This is the first of two segments of this tornado. In Rogers County, this tornado snapped or uprooted trees. Maximum estimated wind in the tornado based on this damage was 100 to 110 mph. Several storm chasers photographed this tornado. It continued into Nowata County, Oklahoma.				
NOWATA COUNTY --- 2.0 SW WATOVA [36.60, -95.67], 2.3 ENE WATOVA [36.63, -95.61]				
	05/31/13 19:28 CST		75K	Tornado (EF1, L: 4.60 mi , W: 350 yd)
	05/31/13 19:35 CST	2	0	Source: NWS Storm Survey
This is the final segment of this two segment tornado. In Nowata County, this tornado destroyed a mobile home, injuring two occupants. It also damaged other permanent homes, destroyed a barn, and snapped or uprooted numerous trees. Based on this damage, maximum estimated wind in this segment of the tornado was 100 to 110 mph. Several storm chasers photographed this tornado. This tornado moved east-northeast until it crossed E 28 Road then turned sharply to the north, paralleling the N 4150 Road until it dissipated.				
DELAWARE COUNTY --- 3.0 NNE ZENA [36.54, -94.82], 2.9 SSW GROVE [36.54, -94.79]				
	05/31/13 22:23 CST		0	Tornado (EF1, L: 1.80 mi , W: 500 yd)
	05/31/13 22:27 CST		0	Source: NWS Storm Survey
This tornado developed near the shore of Grand Lake and traveled east-northeast, snapping large tree limbs and uprooting many trees in its path. No significant damage was noted to the homes in the path near the lake shore. Based on this damage, maximum estimated wind in the tornado was 90 to 100 mph.				
DELAWARE COUNTY --- 4.0 SE GROVE [36.54, -94.72]				
	05/31/13 22:30 CST		0	Thunderstorm Wind (EG 52 kt)
	05/31/13 22:30 CST		0	Source: NWS Storm Survey
Trees were damaged by strong thunderstorm wind.				

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MCINTOSH COUNTY --- 2.1 W EUFAULA MUNI ARPT [35.30, -95.66]				
	05/31/13 22:40 CST		0	Thunderstorm Wind (MG 50 kt)
	05/31/13 22:40 CST		0	Source: Mesonet
The Oklahoma Mesonet station near Eufaula measured 58 mph thunderstorm wind gusts.				
MCINTOSH COUNTY --- 1.8 SW WELLS [35.31, -95.59]				
	05/31/13 22:42 CST		0	Thunderstorm Wind (EG 61 kt)
	05/31/13 22:42 CST		0	Source: Trained Spotter
A storm spotter estimated thunderstorm wind gusts to 70 mph.				
PITTSBURG COUNTY --- 4.6 W BOWLER [35.21, -95.58]				
	05/31/13 22:45 CST		30K	Thunderstorm Wind (EG 70 kt)
	05/31/13 22:45 CST		0	Source: Public
Numerous large trees were blown down by strong thunderstorm wind, a few of which fell onto homes.				
PITTSBURG COUNTY --- 9.5 ENE QUINTON ARPT [35.28, -95.21]				
	05/31/13 22:48 CST		15K	Thunderstorm Wind (EG 56 kt)
	05/31/13 22:48 CST		0	Source: Emergency Manager
Strong thunderstorm wind damaged a marina dock in far northeast Pittsburg County.				
HASKELL COUNTY --- 5.0 NW ENTERPRISE [35.27, -95.44]				
	05/31/13 22:50 CST		0	Thunderstorm Wind (EG 70 kt)
	05/31/13 22:50 CST		0	Source: Public
Strong thunderstorm wind blew down a few large trees.				
CRAIG COUNTY --- WELCH [36.87, -95.10]				
	05/31/13 23:06 CST		0	Thunderstorm Wind (EG 52 kt)
	05/31/13 23:06 CST		0	Source: Public
Strong thunderstorm wind blew down several large tree limbs.				
MUSKOGEE COUNTY --- PORUM [35.37, -95.27]				
	05/31/13 23:08 CST		0	Hail (1.00 in)
	05/31/13 23:08 CST		0	Source: Broadcast Media
MUSKOGEE COUNTY --- WEBBERS FALLS [35.52, -95.13]				
	05/31/13 23:15 CST		0	Thunderstorm Wind (EG 70 kt)
	05/31/13 23:15 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down several large trees.				
OKFUSKEE COUNTY --- PADEN [35.50, -96.57]				
	05/31/13 23:22 CST		0	Hail (1.00 in)
	05/31/13 23:22 CST		0	Source: Post Office
SEQUOYAH COUNTY --- 2.0 NW BOX [35.60, -95.01]				
	05/31/13 23:25 CST		10K	Thunderstorm Wind (EG 70 kt)
	05/31/13 23:25 CST		0	Source: Park/Forest Service
Strong thunderstorm wind snapped eight power poles near the Black Gum Fire Department.				
SEQUOYAH COUNTY --- 7.0 NE GORE [35.60, -95.03]				
	05/31/13 23:25 CST		0	Thunderstorm Wind (EG 75 kt)
	05/31/13 23:25 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Strong thunderstorm wind snapped or uprooted large trees at Snake Creek Park at Lake Tenkiller.				
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SEQUOYAH COUNTY --- VIAN [35.50, -94.97]	05/31/13 23:25 CST		0	Thunderstorm Wind (EG 70 kt)
	05/31/13 23:25 CST		0	Source: Public
Strong thunderstorm wind blew down several large trees.				
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CHEROKEE COUNTY --- COOKSON [35.70, -94.97]	05/31/13 23:35 CST		2K	Thunderstorm Wind (EG 70 kt)
	05/31/13 23:35 CST		0	Source: Park/Forest Service
Strong thunderstorm wind blew down large trees and damaged the awning of a store.				
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SEQUOYAH COUNTY --- 3.0 W SALLISAW [35.47, -94.85]	05/31/13 23:37 CST		0	Thunderstorm Wind (EG 70 kt)
	05/31/13 23:37 CST		0	Source: Public
Strong thunderstorm wind blew down several large trees.				
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ADAIR COUNTY --- BUNCH [35.68, -94.77]	05/31/13 23:42 CST		0	Thunderstorm Wind (EG 70 kt)
	05/31/13 23:42 CST		0	Source: Public
Strong thunderstorm wind blew down several large trees.				
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ADAIR COUNTY --- 1.0 NW BUNCH [35.69, -94.78]	05/31/13 23:45 CST		0	Thunderstorm Wind (EG 56 kt)
	05/31/13 23:45 CST		0	Source: Public
Strong thunderstorm wind blew down large tree limbs.				
<p>Severe thunderstorms developed over central Oklahoma and southern Kansas along a slow-moving cold front during the afternoon hours of the 31st. Very unstable air ahead of the cold front, combined with strong wind shear, resulted in storms quickly evolving into supercells. These storms produced several tornadoes, large hail to golfball size, and damaging wind across eastern Oklahoma during the evening hours of the 31st into the overnight hours of June 1st.</p>				