



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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OKLAHOMA, Western, Central and Southeast

Woods County									
7 SSW Alva	03	2110CST			0	0			Thunderstorm Wind (MG55)
Wind was measured by the Oklahoma mesonet.									
Tillman County									
Tipton	04	1350CST			0	0	5K		Thunderstorm Wind (EG61)
A tree approximately 3 feet in diameter fell on a house. Minor damage to the home was reported.									
Tillman County									
Frederick	04	1405CST			0	0			Thunderstorm Wind (EG56)
Alfalfa County									
7 NE Amorita	09	0030CST			0	0			Thunderstorm Wind (EG69)
Alfalfa County									
8 E Byron	09	0045CST			0	0			Thunderstorm Wind (EG52)
Grant County									
9 W Wakita	09	0100CST			0	0	1K		Thunderstorm Wind (EG52)
Six inch diameter maple tree limbs were downed.									
Woods County									
1 E Freedom	09	0130CST			0	0	1.5K		Thunderstorm Wind (EG52)
An eight to ten inch diameter tree trunk was split into two pieces.									
Woodward County									
18 NNE Mooreland	09	0135CST			0	0			Hail(0.88)
Ellis County									
1 E Catesby	09	1438CST			0	0			Thunderstorm Wind (EG52)
Noble County									
7 SSE Red Rock	10	1555CST			0	0			Thunderstorm Wind (MG52)
Wind was measured by the Oklahoma mesonet.									
Payne County									
5 SW Stillwater	10	1606CST			0	0			Hail(1.00)
Kingfisher County									
2 WSW Cashion	10	1645CST			0	0			Hail(1.75)
Kingfisher County									
Cashion	10	1645CST			0	0			Hail(0.88)
Canadian County									
Yukon	10	1705CST			0	0			Hail(0.88)
Hail was reported on the east side of town.									
Logan County									
2 N Langston	10	1720CST			0	0			Thunderstorm Wind (EG52)
Grant County									
1 S Salt Fork	10	2000CST			0	0			Hail(0.88)
Garfield County									
Hunter to 2 NE Hunter	10	2012CST 2014CST			0	0	100K		Hail(2.00)
Hail covered the ground. The hail caused damage to vehicles as well as siding, windows, and roofs of homes									
Garfield County									
5 N Garber	10	2050CST			0	0			Thunderstorm Wind (EG61)
Grant County									
1 W Jefferson	10	2050CST			0	0			Hail(0.75)



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OKLAHOMA, Western, Central and Southeast

Kay County									
Tonkawa	10	2055CST			0	0			Thunderstorm Wind (EG52)
Kay County									
Ponca City	10	2130CST			0	0			Hail(1.75)
Hail was reported in southwest portion of town.									
Garfield County									
2 N Covington	10	2135CST			0	0			Thunderstorm Wind (EG52)
Garfield County									
3 S Fairmont	10	2200CST			0	0			Hail(1.00)
Logan County									
Mulhall	10	2200CST			0	0			Hail(1.75)
Logan County									
1 SE Mulhall	10	2200CST			0	0	1K		Thunderstorm Wind (EG61)
Several large tree limbs were blown down									
Logan County									
Guthrie	10	2237CST			0	0	1.5M		Thunderstorm Wind (EG61)
Numerous trees and power lines were downed along with structural damage to many buildings across town due to the strong winds. One home was destroyed and eleven received minor damage. An apartment received minor damage. Major damage was reported at seven businesses with fourteen receiving minor damage. One of those businesses was The Olde Towne Emporium which lost most of its roof. Several public buildings were damaged with the storage building for city vehicles being destroyed. Trees were also reported down on roadways and vehicles across town.									
Logan County									
4 WSW Guthrie	10	2250CST			0	0			Thunderstorm Wind (MG53)
Wind was measured by the Oklahoma mesonet.									
Logan County									
4 WSW Guthrie	10	2255CST			0	0			Thunderstorm Wind (MG56)
Wind was measured by the Oklahoma mesonet.									
Logan County									
4 SE Guthrie	10	2257CST			0	0			Thunderstorm Wind (MG67)
Logan County									
Guthrie	10	2300CST			0	0			Hail(1.00)
Logan County									
4 WSW Guthrie	10	2300CST			0	0			Thunderstorm Wind (MG58)
Wind was measured by the Oklahoma mesonet.									
Logan County									
4 SE Guthrie	10	2304CST			0	0	250K		Thunderstorm Wind (MG77)
Numerous trees and power lines were downed along with some structural damage.									
Oklahoma County									
Edmond	10	2304CST			0	0			Thunderstorm Wind (EG61)
Logan County									
5 SSW Seward	10	2315CST			0	0			Hail(1.00)
Oklahoma County									
Edmond	10	2325CST			0	0			Thunderstorm Wind (EG52)
Oklahoma County									
Edmond	10	2326CST			0	0			Hail(1.00)



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OKLAHOMA, Western, Central and Southeast

Oklahoma County

Edmond	10	2326CST			0	0	750K		Thunderstorm Wind (MG69)
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Numerous trees and power lines were downed across town. The hardest hit areas were in southeast sections of town near Interstate 35. Trees up to 30 feet tall were down in roads and across roofs and lawns in this area.

Pottawatomie County

4 S Mc Loud	11	0040CST			0	0			Thunderstorm Wind (EG61)
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Kingfisher County

Cashion	11	0145CST			0	0			Hail(1.00)
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OKZ016-021>022-035

Custer - Beckham - Washita - Kiowa

11		0330CST			0	2	5K		High Wind (MG54)
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Strong sustained winds of 40 to 50 mph behind an area of thunderstorms occurred in west central and southwest Oklahoma. Wind gusts between 55 and 62 mph were measured in this area. The highest gust of 62 mph was measured by the Oklahoma mesonet station located 4 miles WNW of Bessie in Washita County at 0445 CST. Large tree limbs were downed in Elk City in Beckham County. Two people were also injured on Interstate 40, southeast of Elk City, when the high winds overturned the tractor trailer they were in.

Grady County

Chickasha	11	0425CST			0	0	1K		Thunderstorm Wind (EG56)
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Trees approximately 12 inches in diameter were blown down in the north central portion of town

Stephens County

Duncan	11	0450CST			0	0	5K		Thunderstorm Wind (EG52)
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Power lines were downed near the junction of State Highway 7 and US Highway 81.

Cleveland County

Norman	11	0517CST			0	0	5K		Thunderstorm Wind (EG56)
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A large tree was downed near the intersection of Classen Boulevard (State Highway 77) and Tulsa Street

Cleveland County

2 N Moore	11	0520CST			0	0	5K		Thunderstorm Wind (EG52)
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A fence was blown down between Interstate 35 and Shields Boulevard.

Oklahoma County

Oklahoma City	11	0520CST			0	0			Thunderstorm Wind (EG56)
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Oklahoma County

Oklahoma City	11	0600CST			0	0	500K		Flash Flood
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At 6:00 am CST, the emergency manager for Oklahoma City reported that flash flooding had closed the underpass on NE 23rd Avenue at the junction of Interstate 235 in Oklahoma City. Flood depths were up to 6 feet in some places. Several motorists were stranded due to the deep water and had to be rescued by Oklahoma City emergency personnel, including a news crew from KOCO-TV in Oklahoma City.

Pottawatomie County

Shawnee to Tecumseh	11	0615CST			0	0			Flash Flood
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At 6:20 am CST, the Pottawatomie County Sheriff reported 3 to 4 feet of water over U.S. Highways 270 and 177 on the south side of Shawnee, OK. In addition, floodwaters covered U.S. Highway 177 in several places between Shawnee and Tecumseh, OK.

Canadian County

Yukon	11	0700CST			0	0			Flash Flood
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At approximately 7:00 am CST, the City manager for Yukon, OK reported that flash flooding occurred in the flood plain on the



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OKLAHOMA, Western, Central and Southeast

north side of Yukon, and that several roads were closed for the rest of the morning on August 11.

Oklahoma County

Bethany

11	0700CST 1200CST				0	0			Flash Flood
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At approximately 7:00 am CST, Eldon Lynn Park in Bethany, OK was inundated by flash flooding. City crews had to use water pumps later in the day to remove the floodwaters from the park.

Oklahoma County

5 NW Edmond

11	0700CST 1145CST				0	0			Flash Flood
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At approximately 7:00 am CST, flash flooding inundated the intersection of Western Avenue and North 234th Street (Sorghum Mill Road) in far northern Oklahoma County. A motorist was rescued by Edmond firefighters after her car was swept off of Western Avenue in the floodwaters. She escaped the flooding with no injuries.

Oklahoma County

Midwest City

11	0700CST 1215CST				0	0			Flash Flood
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At 7:20 am CST, the emergency manager for Midwest City, OK reported that Soldier Creek had overflowed its banks and flooded the intersections of NE 10th Street and Midwest Boulevard, and Woodside Drive and E. Reno Avenue near Joe B. Barnes Regional Park. Flood depths were deep enough to close the NE 10th Street/Midwest Boulevard intersection. Near this intersection, about 50 apartment units and several automobiles at the Fairfax Apartment complex were also flooded out during the morning of August 11, and many residents had to be evacuated and relocated. Flooding of streets and fields occurred in the regional park.

In addition, flash flooding occurred at approximately 7:00 am CST after Crutcho Creek overflowed its banks near the intersection of NE 23rd Street and Air Depot Boulevard in Midwest City. The school yard and building hallways on the south side of the Crutcho School campus received shallow flooding. U.S. Interstate 40 was also closed from Air Depot Boulevard to Midwest Boulevard due to high water.

At approximately 7:00 am CST, flash flooding also produced damage at Tinker Air Force Base including flooding of the Oklahoma City Air Logistics Center and damage at the base's golf course and bowling alley

OKZ025>026-030

Oklahoma - Lincoln - Pottawatomie

11	0830CST 1900CST				0	0			Flood
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The most significant heavy rainfall and flooding event of the month occurred during the morning and afternoon of August 11. During this period a strong upper level system and associated cold front pushed eastward through Oklahoma and produced multiple rounds of thunderstorms near and ahead of the front.

The thunderstorms dropped heavy rain in a narrow swath from north central through central Oklahoma, including Garfield, Logan, Oklahoma and Pottawatomie counties. Storm total rainfall amounts ranged from 2.5 inches to near 5.0 inches. Some of the highest totals measured included: Choctaw, OK - 5.02 inches; Harrah, OK - 5.00 inches; Mulhall 1SE, OK - 4.50 inches; Guthrie 5S, OK - 4.45 inches; Spencer 3NE, OK - 4.44 inches; Edmond, OK - 4.27 inches; Lovell 3E, OK - 3.87 inches; Tinker AFB, OK - 3.80 inches; Seward 1N, OK - 3.63 inches; Arcadia, OK - 3.60 inches; Shawnee 3NNW, OK - 3.47 inches; and Enid 10E, OK - 2.79 inches.

The subsequent heavy runoff produced by these rains generated flash flooding and riverine flooding in central Oklahoma in Oklahoma, Lincoln and Pottawatomie counties

Minor flooding occurred along the North Canadian River in Oklahoma County and Lincoln County near and at two forecast points in the area. The North Canadian River at Oklahoma City, OK (Britton Road Bridge) crested at 19.1 feet, 2.1 feet above flood stage, at 9:30 am CST on August 11, and remained above flood stage from 8:30 am CST to 12:30 pm CST on August 11. Further downstream, the North Canadian River near Harrah, OK crested at 15.9 feet, 1.9 feet above flood stage, at 3:30 pm CST on August



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OKLAHOMA, Western, Central and Southeast

11, and remained above flood stage from 2:30 pm CST to 7:00 pm CST on August 11. The Lincoln County emergency manager reported minor flooding in agricultural fields along the North Canadian River in extreme southwestern Lincoln County during the afternoon of August 11.

Deer Creek in northwest Oklahoma County also overflowed its banks during the morning of August 11, and covered Meridian Avenue. The high flows would eventually route downstream into Cottonwood Creek in Logan County, and produce moderate within-bank rises near Seward, OK and Guthrie, OK during the evening of August 11 and early morning of August 12.

Woods County 2 E Cora	12	1410CST			0	0			Hail(0.88)
Woods County 6 E Waynoka	12	1435CST			0	0	1K		Thunderstorm Wind (EG52)
Minor tree damage was reported.									
Alfalfa County Jet	12	1500CST			0	0			Hail(0.75)
Major County Cleo Spgs	12	1505CST			0	0			Hail(1.00)
Major County 3 S Cedar Spgs	12	1527CST			0	0			Hail(0.88)
Blaine County Canton Lake	12	1530CST			0	0	1K		Hail(1.25)
Hail shattered windows in two vehicles.									
Blaine County Canton Lake	12	1530CST			0	0	5K		Thunderstorm Wind (MG67)
Trees approximately 8 inches in diameter were blown down. Tree limbs between 8 and 10 inches in diameter were also downed.									
Blaine County 2 N Canton	12	1534CST			0	0			Hail(1.25)
Blaine County Canton	12	1535CST			0	0			Hail(1.75)
Blaine County 2 S Canton	12	1540CST			0	0			Hail(1.00)
Blaine County 8 W Geary	12	1623CST			0	0			Hail(0.75)
Kiowa County 10 S Mountain View	12	1730CST			0	0	50K		Thunderstorm Wind (EG61)
A barn was destroyed. A house and vehicles were also damaged.									
Comanche County 2 WNW Meers	12	1740CST			0	0			Thunderstorm Wind (EG61)
Comanche County 3 W Medicine Park	12	1745CST			0	0			Thunderstorm Wind (MG55)
Wind was measured by the Oklahoma mesonet.									
Comanche County Meers	12	1745CST			0	0			Thunderstorm Wind (EG69)
Comanche County 3 W Medicine Park	12	1750CST			0	0			Thunderstorm Wind (MG57)
Wind was measured by the Oklahoma mesonet.									
Greer County Mangum	12	1940CST			0	0			Hail(0.88)
Greer County Mangum	12	1940CST			0	0	25K		Thunderstorm Wind (EG61)
Winds destroyed a trailer on the southwest side of town.									



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<u>OKLAHOMA, Western, Central and Southeast</u>									
Jefferson County									
2 ENE Grady	25	1830CST			0	0			Hail(0.75)
Carter County									
5 SW Wilson	25	1844CST			0	0			Hail(0.75)
Garfield County									
1 S Lahoma	27	1715CST			0	0			Hail(1.00)
Garfield County									
1 S Lahoma	27	1740CST			0	0			Hail(0.88)
Blaine County									
1 NW Homestead	27	1800CST			0	0			Thunderstorm Wind (EG52)
Major County									
5 SE Ringwood	27	1805CST			0	0			Hail(1.00)
Garfield County									
Enid	27	1828CST			0	0			Hail(1.00) Hail was reported on the west side of town.
Greer County									
Mangum	27	2303CST			0	0			Hail(0.75)
Oklahoma County									
Oklahoma City	28	0245CST			0	0	250K		Lightning Lightning struck the steeple of the Kentucky Avenue Baptist Church in southeast Oklahoma City. The steeple was found laying in the street. The lightning caused a fire heavily damaging the sanctuary of the church.
Dewey County									
8 E Camargo	30	1030CST 1300CST			0	0			Flash Flood A complex of thunderstorms moved southward through western Oklahoma during the morning of August 30, and dropped isolated heavy rainfall amounts up to 3 inches over western Dewey County near Camargo, OK. The runoff from this heavy precipitation produced flash flooding in the area during late morning and early afternoon of August 30. At 11:00 am CST, a Dewey County emergency management official reported that County Road EW67 was closed as a small creek had overflowed its banks and covered the road 8 miles east of Camargo, OK.