



# National Weather Service

## Storm Data and Unusual Weather Phenomena



October 1997

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

<b>Canadian County</b>									
Calumet	08	1630CST			0	0			Thunderstorm Wind (G65)
<b>Caddo County</b>									
5 N Alfalfa	08	1635CST			0	0			Hail (1.00)
<b>Jefferson County</b>									
Addington	08	1728CST			0	0			Hail (1.75)
<b>Noble County</b>									
5 SE Billings to 7 SE Billings	08	1731CST 1735CST	2	50	0	0			Tornado (F0)
A tornado was observed by spotters. No damage was reported.									
<b>Canadian County</b>									
4 N Piedmont	08	1740CST 1745CST			0	0			Hail (0.75)
<b>Canadian County</b>									
4 N Piedmont	08	1752CST			0	0			Thunderstorm Wind (G59)
<b>Logan County</b>									
Meridian	08	1800CST			0	0	0.01K		Thunderstorm Wind
Severe thunderstorm winds blew down several tree limbs.									
<b>Kay County</b>									
4 W White Eagle	08	1810CST			0	0	10K		Thunderstorm Wind
A barn was destroyed by severe thunderstorm winds.									
<b>Logan County</b>									
9 S Coyle	08	1815CST	0.5	25	0	0	25K		Tornado (F1)
A tornado destroyed a barn and outbuildings.									
<b>Oklahoma County</b>									
Oklahoma City	08	1815CST			0	0			Hail (0.88)
occurred at 192nd and County Line Road									
<b>Oklahoma County</b>									
Oklahoma City	08	1818CST			0	0			Hail (1.00)
occurred at NW 113th and Council Road									
<b>Oklahoma County</b>									
Oklahoma City	08	1827CST			0	0			Hail (1.75)
occurred at NW 113th and Council Road									
<b>Oklahoma County</b>									
Oklahoma City	08	1832CST			0	0			Hail (1.75)
occurred at the intersection of Memorial and MacArthur Road									
<b>Oklahoma County</b>									
Edmond	08	1856CST			0	0			Hail (0.88)
occurred at the intersection of Eastern and Memorial Road									
<b>Oklahoma County</b>									
Oklahoma City	08	1905CST			0	0			Thunderstorm Wind (G52)
Severe thunderstorm winds reached 60 mph at Memorial Road and I-35.									
<b>Lincoln County</b>									
4 S Perkins	08	1907CST			0	0	0.10K		Thunderstorm Wind
Strong winds uprooted a one-foot diameter tree, which then fell onto the porch of a local resident.									
<b>Payne County</b>									
Perkins	08	1908CST			0	0			Hail (0.75)



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### OKLAHOMA, Western, Central and Southeast

**Payne County**

**Perkins**                      **08**    **1908CST**                      **0**    **0**                      **Thunderstorm Wind (G69)**

Severe thunderstorm winds were estimated at 70 to 80 mph.

**Oklahoma County**

**Oklahoma City**                      **08**    **1930CST**                      **0**    **0**                      **Hail (0.88)**

occurred at I-35 and Waterloo Road

**Payne County**

**1 N Coyle**                      **08**    **1930CST**                      **0**    **0**    **5K**                      **Thunderstorm Wind**

Severe thunderstorm winds damaged outbuildings near Highway 33 in the southwest part of Payne County.

**Caddo County**

**2 W Cyril**                      **08**    **1957CST**                      **0**    **0**                      **Hail (0.88)**

**Lincoln County**

**Chandler**                      **08**    **2014CST**                      **0**    **0**    **1K**                      **Thunderstorm Wind**

Severe thunderstorm winds downed numerous large tree limbs in the Chandler area. One large limb fell onto and damaged a pick-up truck.

**Logan County**

**6 E Guthrie**                      **08**    **2030CST**                      **0**    **0**    **0.01K**                      **Thunderstorm Wind**

Severe thunderstorm winds blew the roof off a barn and downed trees.

**Lincoln County**

**Wellston**                      **08**    **2145CST**                      **0**    **0**                      **Hail (0.88)**

**Oklahoma County**

**Edmond**                      **08**    **2205CST**                      **0**    **0**                      **Hail (1.00)**

occurred at the intersection of 33RD and Santa Fe

**Grady County**

**Rush Springs**                      **08**    **2225CST**                      **0**    **0**                      **Hail (0.75)**

**Lincoln County**

**Chandler**                      **08**    **2230CST**                      **0**    **0**    **20K**                      **Lightning**

Lightning struck and set fire to a rural Chandler home. Damage was estimated at \$20,000.

**Oklahoma County**

**Edmond**                      **08**    **2230CST**                      **0**    **0**    **0.01K**                      **Thunderstorm Wind**

Severe thunderstorm winds downed numerous limbs to the south and west of Edmond.

**Comanche County**

**4 E Elgin**                      **08**    **2300CST**                      **0**    **0**    **0.01K**                      **Thunderstorm Wind**

Strong winds blew 8-10 inch diameter limbs from trees.

**Lincoln County**

**4 S Stroud**                      **08**    **2315CST**                      **0**    **0**    **25K**                      **Lightning**

Lightning struck a crude oil tank, causing an explosion and blowing the tank off its base. The resulting fire destroyed a nearby small office.

**Stephens County**

**Marlow**                      **08**    **2320CST**                      **0**    **0**    **0.01K**                      **Thunderstorm Wind**

Severe thunderstorm winds blew limbs from trees.

**Comanche County**

**Elgin**                      **08**    **2330CST**                      **0**    **0**                      **Flash Flood**  
**09**    **0030CST**

Several county roads and bridges in northeastern Comanche County were washed out by flash flood waters.

Summary of events of October 8, 1997:



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### OKLAHOMA, Western, Central and Southeast

A line of severe thunderstorms developed and moved across western and central Oklahoma during the evening, producing large hail, damaging winds, and 2 tornadoes.

The first tornado was observed southeast of billings in Noble County. No damage occurred, and the tornado was rated F0. The second tornado touched down south of Coyle in Logan County, destroying a barn and some outbuildings. Damage was rated F1.

The largest hail (up to the size of golf balls) fell in Oklahoma City in Oklahoma County and in Addington in Jefferson County. Severe thunderstorm wind gusts were estimated to be as high as 80 mph (in Perkins in Payne County). Structural wind damage was reported west of White Eagle in Kay County, near Coyle in Payne County, and east of Guthrie in Logan County. Tree damage was reported in Meridian in Logan County, south of Perkins and in Chandler in Lincoln County, in Edmond in Oklahoma County, east of Elgin in Comanche County, and in Marlow in Stephens County.

See preceding individual Storm Data entries for further details and additional reports.

#### **Garvin County**

2 SE Elmore City	30	1935CST			0	0			<b>Hail (0.88)</b>
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### TEXAS, Western North

#### **Baylor County**

8 N Seymour	23	1300CST			0	0			<b>Hail (1.00)</b>
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#### **Baylor County**

4 N Mabelle	23	1315CST			0	0			<b>Hail (1.75)</b>
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#### **Archer County**

4 N Archer City	23	1422CST			0	0			<b>Hail (0.88)</b>
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#### **Archer County**

Scotland	23	1439CST			0	0			<b>Hail (1.00)</b>
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#### **Archer County**

Archer City	23	1456CST			0	0			<b>Hail (1.25)</b>
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#### **Wilbarger County**

Grayback	23	1624CST			0	0			<b>Hail (0.75)</b>
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Summary of events of October 23, 1997:

Afternoon severe thunderstorms produced hail as large as golf balls (north of Mabelle in Archer County) as they moved across western parts of north Texas.

See preceding individual Storm Data entries for further details and additional reports.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



December 1997

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### OKLAHOMA, Western, Central and Southeast

**OKZ031**

**Seminole**

**09 1635CST**

**0**

**0**

**6K**

**Gradient Wind**

Gusty west and northwest gradient winds associated with a passing cold front lifted the roof from a pawn shop in Wewoka. Although the winds were sustained at 20 to 25 mph and gusting to only 30-35 mph at the time, the roof was lifted and flipped into an adjacent alley. The roof hit several power lines, cutting power to most of the northern half of Wewoka.

The roof was poorly constructed, consisting of tin nailed to old wooden beams, which apparently were not well attached to the main structure.

**OKZ004>005-009>011-014>017-021>022**

**Harper - Woods - Ellis - Woodward - Major - Roger Mills - Dewey - Custer - Blaine - Beckham - Washita**

**20 2300CST**  
**21 2100CST**

**0**

**0**

**Ice Storm**

Freezing rain fell across a large portion of western Oklahoma from late evening of the 20th into the evening of the 21st. Ice accumulations up 3/4 inch downed trees and power lines. Numerous large trees limbs were snapped, littering the streets of towns throughout the region. Tens of main power lines and countless secondary lines were also downed, cutting power to thousands of western Oklahomans. Canton (Blaine County) and Mooreland (Woodward County) were particularly hard-hit with power outages that lasted over 2 days in some cases.

**OKZ004>007-009>012-014>017-021>023-027-038**

**Harper - Woods - Alfalfa - Grant - Ellis - Woodward - Major - Garfield - Roger Mills - Dewey - Custer - Blaine - Beckham - Washita - Caddo - Grady - Comanche**

**23 2300CST**  
**24 0600CST**

**0**

**0**

**Heavy Snow**

Rain began changing from rain to snow over western Oklahoma during the evening of December 23rd. The wet, heavy snow continued through the night and ended before sunrise on Christmas Eve. Portions of western Oklahoma west of an Enid-Chickasha line were blanketed with 2 or more inches of snow. Lawton also reported an isolated snow accumulation of 2 inches.

Within the heavy snow area, the heaviest snow fell in Harper County, where Laverne received 11 inches. A larger area of heavy snow (with amounts over 5 inches) extended from northern Roger Mills County to eastern Woodward County, with the following snow totals: Cedardale...8 inches, Arnett...7 inches, Mackie...7 inches, Reydon...6 inches, Mutual...6 inches, Freedom...5 inches, Fargo...5 inches.

**OKZ023-039>041-046**

**Caddo - Stephens - Garvin - Murray - Carter**

**26 0000CST**  
**0900CST**

**0**

**0**

**Heavy Snow**

Heavy snow began falling across south-central Oklahoma and western parts of north Texas late Christmas night and lasted until mid-morning on the 26th. Many areas saw snow accumulations of 2 inches or more, with isolated totals up to 4 inches.

The heavier amounts of 4 inches were reported in southern Caddo County near Apache and in Garvin County at Hennepin. Pauls Valley and Healdton measured 3 inches, while much of the remainder of south-central Oklahoma saw 1 to 2 inches.

The snow melted rapidly during the late morning and afternoon as temperatures rose into the 40s.

### TEXAS, Western North

**TXZ085>089**

**Wilbarger - Wichita - Knox - Baylor - Archer**

**26 0000CST**  
**0900CST**

**0**

**0**

**Heavy Snow**

Heavy snow began falling across western parts of north Texas late Christmas night and lasted until mid-morning on the 26th. Many areas saw snow accumulations of 2 inches or more, with isolated totals approaching 4 inches.

The biggest accumulation was reported in Knox County, where Munday received 3.5 inches of snow, while much of the remainder of western north Texas saw 1 to 2 inches.

The snow melted rapidly during the late morning and afternoon as temperatures rose into the 40s.