



# National Weather Service

## Storm Data and Unusual Weather Phenomena



October 1996

| Location | Date | Time<br>Local/<br>Standard | Path<br>Length<br>(Miles) | Path<br>Width<br>(Yards) | Number of<br>Persons<br>Killed | Number of<br>Persons<br>Injured | Estimated<br>Damage<br>Property | Estimated<br>Damage<br>Crops | Character of Storm |
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

### OKLAHOMA, Western, Central and Southeast

**OKZ013-018>020-025-027-035-037>041-043>044-046>049**      **Noble - Kingfisher - Logan - Payne - Oklahoma - Grady - Kiowa - Tillman - Comanche - Stephens - Garvin - Murray - Coal - Cotton - Carter - Johnston - Atoka - Pushmataha**

|           |                |  |  |  |          |          |  |  |                            |
|-----------|----------------|--|--|--|----------|----------|--|--|----------------------------|
| <b>20</b> | <b>1615CST</b> |  |  |  |          |          |  |  |                            |
| <b>21</b> | <b>0900CST</b> |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Summary: Oct. 20-21</b> |

Severe thunderstorms developed over southwest Oklahoma and western north Texas during the late morning of the 20th. The storms then moved across central and southern Oklahoma during the afternoon and evening, producing large hail, damaging winds, and localized flash flooding.

Hail as large as softballs fell in Empire City in Stephens County. By far the most significant damage of the evening occurred in Duncan in Stephens County, where baseball sized hail resulted in widespread damage throughout the southern two-thirds of town.

The strongest estimated wind speed was 100 mph, reported by a spotter on the Garvin/Murray County line. Severe thunderstorm wind damage occurred southwest of Snyder in Kiowa County, east of Stillwater in Payne County, in Coleman and Tishomingo in Johnston County, in Durant in Bryan County, and northwest of Kosoma in Pushmataha County.

After several rounds of thunderstorms tracked across southern Oklahoma, flash flooding became a problem, particularly in southeastern parts of the state. Flash flooding reports were received from Davis in Murray County, south of Caney in Atoka County, Antlers in Pushmataha County, Durant in Bryan County, and Duncan in Stephens County.

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

**Tillman County**  
**4 SW Frederick**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1620CST</b> |  |  |  |          |          |  |  |                    |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (1.00)</b> |

**Tillman County**  
**5 N Manitou**

|           |                |  |  |  |          |          |  |  |                                |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------------------|
| <b>20</b> | <b>1655CST</b> |  |  |  |          |          |  |  |                                |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Thunderstorm Wind (G56)</b> |

Wind gusts were estimated at 65 mph on US Highway 183.

**Comanche County**  
**3 NW Chattanooga**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1715CST</b> |  |  |  |          |          |  |  |                    |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (0.88)</b> |

**Comanche County**  
**7 SW Lawton**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1730CST</b> |  |  |  |          |          |  |  |                    |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (1.00)</b> |

**Cotton County**  
**5 S Hulen**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1750CST</b> |  |  |  |          |          |  |  |                    |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (1.00)</b> |

**Stephens County**  
**Duncan**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1815CST</b> |  |  |  |          |          |  |  |                    |
|           | <b>1830CST</b> |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (2.75)</b> |

Hail as large as baseballs fell over most of Duncan, causing widespread damage. The greatest damage occurred across the southern two-thirds of town where numerous house and business windows and car windshields were broken. One police car completely lost its windshield in the hail storm.

**Stephens County**  
**4 W Duncan**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1821CST</b> |  |  |  |          |          |  |  |                    |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (1.75)</b> |

**Stephens County**  
**1 N Empire City**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1821CST</b> |  |  |  |          |          |  |  |                    |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (1.75)</b> |

**Stephens County**  
**2 SW Duncan**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1826CST</b> |  |  |  |          |          |  |  |                    |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (2.75)</b> |

**Stephens County**  
**2 S Duncan**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1828CST</b> |  |  |  |          |          |  |  |                    |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (1.75)</b> |

**Stephens County**  
**11 W Duncan**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1845CST</b> |  |  |  |          |          |  |  |                    |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (2.75)</b> |

**Stephens County**  
**5 W Velma**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1846CST</b> |  |  |  |          |          |  |  |                    |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (0.88)</b> |

**Stephens County**  
**Velma**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1851CST</b> |  |  |  |          |          |  |  |                    |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (1.75)</b> |

**Kingfisher County**  
**Kingfisher**

|           |                |  |  |  |          |          |  |  |                    |
|-----------|----------------|--|--|--|----------|----------|--|--|--------------------|
| <b>20</b> | <b>1910CST</b> |  |  |  |          |          |  |  |                    |
|           |                |  |  |  | <b>0</b> | <b>0</b> |  |  | <b>Hail (1.00)</b> |



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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------|---------------------------------|-------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------|---------------------------------|-------|--------------------|

### OKLAHOMA, Western, Central and Southeast

|   |    |                    |  |  |   |   |     |  |                         |
|---|----|--------------------|--|--|---|---|-----|--|-------------------------|
| <b>Kingfisher County</b><br>1 W Kingfisher  | 20 | 1915CST            |  |  | 0 | 0 |     |  | Hail (1.00)             |
| <b>Stephens County</b><br>Empire City   | 20 | 1915CST            |  |  | 0 | 0 |     |  | Hail (4.50)             |
| Hail as large as softballs broke out car and truck windows, windshields, and headlights.  |    |                    |  |  |   |   |     |  |                         |
| <b>Stephens County</b><br>Duncan  | 20 | 1923CST            |  |  | 0 | 0 |     |  | Hail (0.75)             |
| <b>Kiowa County</b><br>2 W Snyder   | 20 | 1924CST            |  |  | 0 | 0 |     |  | Hail (1.00)             |
| <b>Kiowa County</b><br>3 SW Snyder to<br>3 SE Snyder  | 20 | 1924CST            |  |  | 0 | 0 | 75K |  | Thunderstorm Wind       |
| Two sheds (25x30 and 25x50 ft) blew into the west and north side of a house. As both sheds were moving, they smashed a parked car. Numerous boards were also blown into the same house. Damage was estimated at \$75,000. Also, power lines were blown down at the same location. |    |                    |  |  |   |   |     |  |                         |
| <b>Comanche County</b><br>3 N Chattanooga   | 20 | 1930CST            |  |  | 0 | 0 |     |  | Hail (0.88)             |
| <b>Carter County</b><br>1 W Alpers  | 20 | 1936CST            |  |  | 0 | 0 |     |  | Hail (0.88)             |
| <b>Logan County</b><br>Crescent   | 20 | 1937CST            |  |  | 0 | 0 |     |  | Hail (1.00)             |
| <b>Stephens County</b><br>5 S Duncan  | 20 | 2000CST            |  |  | 0 | 0 |     |  | Flash Flood             |
| Highway 81 between Duncan and Comanche was closed due to water flowing over the road.   |    |                    |  |  |   |   |     |  |                         |
| <b>Comanche County</b><br>Lawton  | 20 | 2007CST<br>2012CST |  |  | 0 | 0 |     |  | Hail (1.75)             |
| <b>Murray County</b><br>Davis   | 20 | 2020CST            |  |  | 0 | 0 |     |  | Hail (0.75)             |
| <b>Noble County</b><br>3 S Perry  | 20 | 2030CST            |  |  | 0 | 0 |     |  | Hail (0.75)             |
| <b>Murray County</b><br>2 W Davis   | 20 | 2032CST            |  |  | 0 | 0 |     |  | Thunderstorm Wind (G87) |
| Severe thunderstorm wind gusts were estimated to be 100 mph by a spotter on Highway 7, 1 mile east of I-35 on the Garvin/Murray County line.  |    |                    |  |  |   |   |     |  |                         |
| <b>Garvin County</b><br>10 S Wynnewood  | 20 | 2032CST            |  |  | 0 | 0 |     |  | Thunderstorm Wind (G87) |
| Severe thunderstorm wind gusts were estimated at 100 mph by a spotter on Highway 7, 1 mile east of I-35 on the Garvin/Murray County line.   |    |                    |  |  |   |   |     |  |                         |
| <b>Stephens County</b><br>2 NE Marlow   | 20 | 2037CST            |  |  | 0 | 0 |     |  | Hail (1.00)             |
| <b>Grady County</b><br>9 SSE Rush Spgs to<br>9 SE Rush Spgs   | 20 | 2037CST            |  |  | 0 | 0 |     |  | Hail (1.00)             |
| <b>Murray County</b><br>2 N Dougherty   | 20 | 2039CST            |  |  | 0 | 0 |     |  | Thunderstorm Wind (G61) |
| <b>Carter County</b><br>5 N Ardmore   | 20 | 2041CST            |  |  | 0 | 0 |     |  | Hail (0.75)             |
| <b>Carter County</b><br>2 N Davis   | 20 | 2041CST            |  |  | 0 | 0 |     |  | Thunderstorm Wind (G61) |
| <b>Payne County</b><br>4 E Stillwater   | 20 | 2048CST            |  |  | 0 | 0 |     |  | Thunderstorm Wind       |



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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

### OKLAHOMA, Western, Central and Southeast

Strong winds damaged an outbuilding and trailer house.

|  |    |                    |  |  |   |   |     |  |                         |
|--|----|--------------------|--|--|---|---|-----|--|-------------------------|
| Oklahoma County<br>Oklahoma City   | 20 | 2050CST            |  |  | 0 | 0 |     |  | Hail (0.75)             |
| Carter County<br>5 SE Ardmore  | 20 | 2050CST            |  |  | 0 | 0 |     |  | Hail (1.00)             |
| Carter County<br>Wilson  | 20 | 2055CST            |  |  | 0 | 0 |     |  | Hail (1.00)             |
| Murray County<br>Davis   | 20 | 2100CST<br>2230CST |  |  | 0 | 0 |     |  | Flash Flood             |
| Several roads were covered by high water.  |    |                    |  |  |   |   |     |  |                         |
| Stephens County<br>12 E Duncan   | 20 | 2110CST            |  |  | 0 | 0 |     |  | Thunderstorm Wind (G50) |
| measured at the Oklahoma Mesonet site  |    |                    |  |  |   |   |     |  |                         |
| Johnston County<br>4 W Bromide   | 20 | 2144CST            |  |  | 0 | 0 |     |  | Hail (1.75)             |
| Coal County<br>2 E Clarita   | 20 | 2145CST            |  |  | 0 | 0 |     |  | Hail (1.00)             |
| Johnston County<br>Tishomingo  | 20 | 2150CST            |  |  | 0 | 0 |     |  | Hail (1.75)             |
| Johnston County<br>Tishomingo  | 20 | 2150CST            |  |  | 0 | 0 | 2K  |  | Thunderstorm Wind       |
| Severe thunderstorm winds tore the door off a large barn at the fairgrounds and destroyed a ticket booth at the Tishomingo football field. |    |                    |  |  |   |   |     |  |                         |
| Johnston County<br>Milburn   | 20 | 2220CST            |  |  | 0 | 0 |     |  | Hail (1.75)             |
| Johnston County<br>Coleman   | 20 | 2222CST            |  |  | 0 | 0 | 15K |  | Thunderstorm Wind       |
| Trees were blown down, a roof was blown off a building, and an awning was damaged.   |    |                    |  |  |   |   |     |  |                         |
| Coal County<br>1.5 E Cairo   | 20 | 2245CST            |  |  | 0 | 0 |     |  | Hail (0.88)             |
| Johnston County<br>5 N Tishomingo  | 20 | 2245CST            |  |  | 0 | 0 |     |  | Hail (1.75)             |
| Pushmataha County<br>6 NW Kosoma   | 20 | 2315CST            |  |  | 0 | 0 |     |  | Thunderstorm Wind       |
| Two-inch diameter trees limbs were blown down.   |    |                    |  |  |   |   |     |  |                         |
| Johnston County<br>3 W Nida  | 20 | 2315CST            |  |  | 0 | 0 |     |  | Hail (1.50)             |
| Atoka County<br>Caney  | 20 | 2320CST            |  |  | 0 | 0 |     |  | Hail (1.00)             |
| Atoka County<br>Atoka  | 20 | 2345CST            |  |  | 0 | 0 |     |  | Hail (0.88)             |
| Pushmataha County<br>Antlers   | 20 | 2350CST            |  |  | 0 | 0 |     |  | Hail (0.75)             |
| Bryan County<br>2 SE Silo  | 21 | 0015CST            |  |  | 0 | 0 |     |  | Hail (0.88)             |
| Bryan County<br>Durant   | 21 | 0030CST            |  |  | 0 | 0 |     |  | Thunderstorm Wind       |
| Severe thunderstorm winds split a large tree in half and uprooted another.   |    |                    |  |  |   |   |     |  |                         |



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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------|---------------------------------|-------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------|---------------------------------|-------|--------------------|

### OKLAHOMA, Western, Central and Southeast

|   |         |         |  |  |   |   |  |  |                            |
|---|---------|---------|--|--|---|---|--|--|----------------------------|
| <b>Bryan County</b>   |         |         |  |  |   |   |  |  |                            |
| Durant  | 21      | 0050CST |  |  | 0 | 0 |  |  | <b>Hail (1.00)</b>         |
| <b>Pushmataha County</b>  |         |         |  |  |   |   |  |  |                            |
| Antlers   | 21      | 0900CST |  |  | 0 | 0 |  |  | <b>Flash Flood</b>         |
| Water to a depth of two feet caused several streets to be closed.   |         |         |  |  |   |   |  |  |                            |
| <b>Atoka County</b>   |         |         |  |  |   |   |  |  |                            |
| 1.5 S Caney   | 21      | 0900CST |  |  | 0 | 0 |  |  | <b>Flash Flood</b>         |
| High water covered U.S. Highway 69/75 and Davis and Clear Boggy Creeks were out of their banks.   |         |         |  |  |   |   |  |  |                            |
| <b>Bryan County</b>   |         |         |  |  |   |   |  |  |                            |
| Durant  | 21      | 0900CST |  |  | 0 | 0 |  |  | <b>Flash Flood</b>         |
| Flash flood waters washed out a small bridge across the highway south of Rock Creek School.   |         |         |  |  |   |   |  |  |                            |
| <b>OKZ027-038-043</b>   |         |         |  |  |   |   |  |  |                            |
| <b>Grady - Comanche - Coal</b>  |         |         |  |  |   |   |  |  |                            |
| 31  | 1045CST |         |  |  | 0 | 0 |  |  | <b>Summary: October 31</b> |
|   | 1245CST |         |  |  |   |   |  |  |                            |
| Severe thunderstorms moved across parts of southern Oklahoma during the midday hours of the 31st, producing large hail. Hail as large as half dollars was reported west of Lawton in Comanche County. See following individual Storm Data entries for further details and additional reports. |         |         |  |  |   |   |  |  |                            |
| <b>Comanche County</b>  |         |         |  |  |   |   |  |  |                            |
| 1 W Lawton  | 31      | 1050CST |  |  | 0 | 0 |  |  | <b>Hail (1.25)</b>         |
| <b>Grady County</b>   |         |         |  |  |   |   |  |  |                            |
| 5 W Alex  | 31      | 1115CST |  |  | 0 | 0 |  |  | <b>Hail (0.75)</b>         |
| <b>Grady County</b>   |         |         |  |  |   |   |  |  |                            |
| 10 SW Rush Spgs   | 31      | 1149CST |  |  | 0 | 0 |  |  | <b>Hail (0.88)</b>         |
| <b>Comanche County</b>  |         |         |  |  |   |   |  |  |                            |
| 7.5 SE Sterling   | 31      | 1149CST |  |  | 0 | 0 |  |  | <b>Hail (0.88)</b>         |
| <b>Coal County</b>  |         |         |  |  |   |   |  |  |                            |
| 1 N Tupelo  | 31      | 1245CST |  |  | 0 | 0 |  |  | <b>Hail (0.75)</b>         |

### TEXAS, Western North

|  |    |         |  |  |   |   |  |  |                                |
|--|----|---------|--|--|---|---|--|--|--------------------------------|
| <b>Hardeman County</b>   |    |         |  |  |   |   |  |  |                                |
| Quanah   | 20 | 1536CST |  |  | 0 | 0 |  |  | <b>Hail (0.75)</b>             |
| Hail completely covered the ground to depths of over 1 inch. Wind driven hail also broke several house windows in town.              |    |         |  |  |   |   |  |  |                                |
| <b>Wilbarger County</b>  |    |         |  |  |   |   |  |  |                                |
| Odell  | 20 | 1555CST |  |  | 0 | 0 |  |  | <b>Thunderstorm Wind (G65)</b> |
| Seven power poles were blown down.   |    |         |  |  |   |   |  |  |                                |
| <b>Hardeman County</b>   |    |         |  |  |   |   |  |  |                                |
| Quanah   | 20 | 1830CST |  |  | 0 | 0 |  |  | <b>Hail (1.00)</b>             |
| <b>Archer County</b>   |    |         |  |  |   |   |  |  |                                |
| 12 SSW Windthorst  | 21 | 1920CST |  |  | 0 | 0 |  |  | <b>Hail (0.88)</b>             |
| <b>Clay County</b>   |    |         |  |  |   |   |  |  |                                |
| 11 S Henrietta   | 21 | 1924CST |  |  | 0 | 0 |  |  | <b>Hail (1.00)</b>             |
| <b>Clay County</b>   |    |         |  |  |   |   |  |  |                                |
| 8 SE Henrietta   | 21 | 1945CST |  |  | 0 | 0 |  |  | <b>Hail (1.00)</b>             |
| Hail one-inch in diameter covered Highway 287 to a depth of two inches. The road was subsequently closed for a short period of time. |    |         |  |  |   |   |  |  |                                |