



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

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

### ARKANSAS, Northwest

|   |    |         |  |  |   |   |       |  |                                |
|---|----|---------|--|--|---|---|-------|--|--------------------------------|
| Crawford County<br>Mountainburg   | 04 | 1730CST |  |  | 0 | 0 |       |  | <b>Hail (0.75)</b>             |
| Crawford County<br>Mountainburg   | 04 | 1730CST |  |  | 0 | 0 |       |  | <b>Thunderstorm Wind (G52)</b> |
| Franklin County<br>5 NW Ozark   | 04 | 1740CST |  |  | 0 | 0 |       |  | <b>Thunderstorm Wind (G61)</b> |
| Franklin County<br>Ozark  | 04 | 1745CST |  |  | 0 | 0 | 25K   |  | <b>Lightning</b>               |
| Lightning destroyed the big motor that operates Ozark's water system at City Lake. City workers had to operate the pump manually for several days to provide residents with their water supply.   |    |         |  |  |   |   |       |  |                                |
| Franklin County<br>Cass   | 04 | 1750CST |  |  | 0 | 0 | 5K    |  | <b>Thunderstorm Wind</b>       |
| Trees and power lines were blown down in Cass. There was some structural damage to buildings in the area.   |    |         |  |  |   |   |       |  |                                |
| Franklin County<br>Ozark  | 04 | 1750CST |  |  | 0 | 0 | 10K   |  | <b>Thunderstorm Wind</b>       |
| Thunderstorm winds knocked down trees and tree limbs all over the city of Ozark. The winds shattered windows in the Faith Addition on North 25th and 26th Streets, the city's second-largest subdivision. The Franklin County OES Director reported numerous trees blown down countywide with numerous reports of dime to nickel-sized hail.  |    |         |  |  |   |   |       |  |                                |
| Franklin County<br>Ozark  | 04 | 1755CST |  |  | 0 | 0 | 5K    |  | <b>Hail (2.75)</b>             |
| Baseball-sized hail damaged a house and its awnings.  |    |         |  |  |   |   |       |  |                                |
| Franklin County<br>Altus  | 04 | 1805CST |  |  | 0 | 0 | 0.50K |  | <b>Thunderstorm Wind</b>       |
| Several trees (3 ft. diameter) were blown down in Altus. One tree was blown onto a street, blocking the roadway.  |    |         |  |  |   |   |       |  |                                |
| Franklin County<br>Ozark  | 04 | 1813CST |  |  | 0 | 0 |       |  | <b>Hail (1.75)</b>             |
| Madison County<br>St Paul   | 04 | 2040CST |  |  | 0 | 0 | 0.10K |  | <b>Thunderstorm Wind</b>       |
| Tree limbs (8 to 10-inch diameter) blown down   |    |         |  |  |   |   |       |  |                                |
| Crawford County<br>Mulberry   | 04 | 2045CST |  |  | 0 | 0 | 0.10K |  | <b>Thunderstorm Wind</b>       |
| Several 6-8" diameter tree limbs blown down in town   |    |         |  |  |   |   |       |  |                                |
| Summary of events for June 4 1998:  |    |         |  |  |   |   |       |  |                                |
| Two severe thunderstorms moved across northwest Arkansas on the evening of June 4. The first was the worse of the two, developing along an unseasonably strong cold front in Sequoyah County Oklahoma in extremely unstable air with strong mid-level winds. As this storm entered Arkansas west of Mountainburg, it began to grow in both size and strength as it moved across Crawford County. By the time it reached Franklin County, it had developed a large bow echo and became a prolific wind and hail producer. There were numerous reports of widespread damaging thunderstorm winds and hail as large as baseballs in Franklin County. The second of the two storms formed in Crawford County and moved northeast across southern Madison County, producing reports of marginally severe thunderstorm winds. |    |         |  |  |   |   |       |  |                                |
| Sebastian County<br>Dayton  | 08 | 2233CST |  |  | 0 | 0 | 0.30K |  | <b>Thunderstorm Wind</b>       |
| Several trees were blown down   |    |         |  |  |   |   |       |  |                                |
| Sebastian County<br>Midland   | 08 | 2233CST |  |  | 0 | 0 | 0.10K |  | <b>Thunderstorm Wind</b>       |
| Several large tree limbs were blown down  |    |         |  |  |   |   |       |  |                                |
| Sebastian County<br>1 N Mansfield   | 08 | 2250CST |  |  | 0 | 0 |       |  | <b>Funnel Cloud</b>            |



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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
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### ARKANSAS, Northwest

Report from Sebastian S.O.

|                               |    |         |  |  |   |   |    |  |                   |
|-------------------------------|----|---------|--|--|---|---|----|--|-------------------|
| Sebastian County<br>Greenwood | 08 | 2252CST |  |  | 0 | 0 | 2K |  | Thunderstorm Wind |
|-------------------------------|----|---------|--|--|---|---|----|--|-------------------|

Business signs were blown down in Greenwood

|                                   |    |                    |  |  |   |   |  |  |             |
|-----------------------------------|----|--------------------|--|--|---|---|--|--|-------------|
| Sebastian County<br>South Portion | 08 | 2252CST<br>2330CST |  |  | 0 | 0 |  |  | Flash Flood |
|-----------------------------------|----|--------------------|--|--|---|---|--|--|-------------|

About 2 inches of rain in a short amount of time caused street flooding in Greenwood.

|  |    |                    |   |    |   |   |  |  |              |
|--|----|--------------------|---|----|---|---|--|--|--------------|
| Sebastian County<br>2 NW Midland to<br>2 NNW Midland | 08 | 2301CST<br>2302CST | 1 | 50 | 0 | 0 |  |  | Tornado (F0) |
|--|----|--------------------|---|----|---|---|--|--|--------------|

|                              |    |         |  |  |   |   |  |  |             |
|------------------------------|----|---------|--|--|---|---|--|--|-------------|
| Franklin County<br>4 SW Cass | 09 | 0050CST |  |  | 0 | 0 |  |  | Hail (1.00) |
|------------------------------|----|---------|--|--|---|---|--|--|-------------|

Summary of events for late night/early morning of June 8-9 1998:

A long-track supercell thunderstorm with a history of producing numerous tornadoes along its path in southeast Oklahoma moved across southern Sebastian County before midnight on the night of June 8. This storm produced damaging thunderstorm winds, torrential flooding rainfall, and a funnel cloud. A second supercell thunderstorm formed over northern Le Flore County Oklahoma and followed immediately behind the first supercell thunderstorm. The second storm spawned a tornado 2 miles northwest of Midland and added to the flooding problem in southern Sebastian County.

Other thunderstorms moved into western Arkansas north of the Arkansas River after midnight CDT, causing a report of large hail in northern Franklin County.

|                              |    |         |  |  |   |   |  |  |             |
|------------------------------|----|---------|--|--|---|---|--|--|-------------|
| Franklin County<br>5 N Ozark | 09 | 2145CST |  |  | 0 | 0 |  |  | Hail (1.00) |
|------------------------------|----|---------|--|--|---|---|--|--|-------------|

|                              |    |         |  |  |   |   |    |  |                   |
|------------------------------|----|---------|--|--|---|---|----|--|-------------------|
| Sebastian County<br>Ft Smith | 10 | 0200CST |  |  | 0 | 0 | 3K |  | Thunderstorm Wind |
|------------------------------|----|---------|--|--|---|---|----|--|-------------------|

Several trees and power lines were blown down across town between 300 and 315 AM CDT.

|                              |    |         |  |  |   |   |       |  |                   |
|------------------------------|----|---------|--|--|---|---|-------|--|-------------------|
| Crawford County<br>Van Buren | 10 | 0220CST |  |  | 0 | 0 | 0.10K |  | Thunderstorm Wind |
|------------------------------|----|---------|--|--|---|---|-------|--|-------------------|

A large tree limb was knocked down by thunderstorm winds.

|   |    |                    |  |  |   |   |      |  |                 |
|---|----|--------------------|--|--|---|---|------|--|-----------------|
| ARZ010>011-020<br>Washington - Madison - Franklin | 10 | 0230CST<br>0330CST |  |  | 0 | 0 | 3.1K |  | High Wind (G44) |
|---|----|--------------------|--|--|---|---|------|--|-----------------|

Locally high winds developed from the Oklahoma state line eastward along the Boston Mountains as a result of rapidly sinking air to the north of a thunderstorm complex along the Arkansas River valley. Winds gusted to 51 mph at Drake Field in Fayetteville (KFYV) at 353 AM CDT. Trees and power lines were blown down in Ozark (Franklin County) between 345 and 415 AM CDT.

Summary of events for June 9 PM-June 10 AM 1998:

An isolated severe thunderstorm developed over Franklin County on the evening of June 9 around 1030 PM CDT, dropping hail to the size of quarters between Ozark and Cass.

Later during the early morning of June 10, a line of thunderstorms moving across southeast Oklahoma strengthened as it entered western Arkansas along the Arkansas River valley. These storms brought marginally severe wind gusts to the Fort Smith-Van Buren area. Well to the north of these storms, rapidly sinking air brought locally strong winds generally along and north of the Boston Mountains between 330 and 430 AM CDT.

|                             |    |         |  |  |   |   |  |  |                         |
|-----------------------------|----|---------|--|--|---|---|--|--|-------------------------|
| Sebastian County<br>Hackett | 10 | 1945CST |  |  | 0 | 0 |  |  | Thunderstorm Wind (G52) |
|-----------------------------|----|---------|--|--|---|---|--|--|-------------------------|

|                              |    |         |  |  |   |   |       |  |                   |
|------------------------------|----|---------|--|--|---|---|-------|--|-------------------|
| Crawford County<br>Van Buren | 10 | 2005CST |  |  | 0 | 0 | 0.50K |  | Thunderstorm Wind |
|------------------------------|----|---------|--|--|---|---|-------|--|-------------------|

Trees were blown down along SH 59 in Van Buren

|                               |    |         |  |  |   |   |       |  |                   |
|-------------------------------|----|---------|--|--|---|---|-------|--|-------------------|
| Sebastian County<br>Greenwood | 10 | 2009CST |  |  | 0 | 0 | 0.10K |  | Thunderstorm Wind |
|-------------------------------|----|---------|--|--|---|---|-------|--|-------------------|



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

### ARKANSAS, Northwest

|   |           |                |  |  |          |          |              |  |                                |
|---|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------------|
| A tree was blown down in Greenwood  |           |                |  |  |          |          |              |  |                                |
| <b>Crawford County</b>  |           |                |  |  |          |          |              |  |                                |
| <b>Rudy</b>   | <b>10</b> | <b>2010CST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.10K</b> |  | <b>Thunderstorm Wind</b>       |
| Several large tree limbs were blown down  |           |                |  |  |          |          |              |  |                                |
| <b>Franklin County</b>  |           |                |  |  |          |          |              |  |                                |
| <b>4 S Branch</b>   | <b>10</b> | <b>2012CST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Thunderstorm Wind (G52)</b> |
| <b>Madison County</b>   |           |                |  |  |          |          |              |  |                                |
| <b>Delaney</b>  | <b>10</b> | <b>2030CST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.10K</b> |  | <b>Thunderstorm Wind</b>       |
| A tree was blown down on SH 16  |           |                |  |  |          |          |              |  |                                |
| <b>Franklin County</b>  |           |                |  |  |          |          |              |  |                                |
| <b>5 NW Cass</b>  | <b>10</b> | <b>2035CST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.10K</b> |  | <b>Thunderstorm Wind</b>       |
| A tree was blown down along SH 295  |           |                |  |  |          |          |              |  |                                |
| <b>Madison County</b>   |           |                |  |  |          |          |              |  |                                |
| <b>2 W Huntsville</b>   | <b>10</b> | <b>2108CST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.10K</b> |  | <b>Thunderstorm Wind</b>       |
| A tree was blown down on SH 74  |           |                |  |  |          |          |              |  |                                |
| <b>Madison County</b>   |           |                |  |  |          |          |              |  |                                |
| <b>2 N Huntsville</b>   | <b>10</b> | <b>2120CST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.20K</b> |  | <b>Thunderstorm Wind</b>       |
| Trees were blown down on SH 23  |           |                |  |  |          |          |              |  |                                |
| Summary of events for June 10 1998:   |           |                |  |  |          |          |              |  |                                |
| An area of severe showers and thunderstorms moved from southeast Oklahoma into western Arkansas on the evening of June 10. These thunderstorms contained little in the way of rain and hail, but they produced copious amounts of wind.   |           |                |  |  |          |          |              |  |                                |
| <b>Sebastian County</b>   |           |                |  |  |          |          |              |  |                                |
| <b>Dayton</b>   | <b>12</b> | <b>2215CST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Hail (0.75)</b>             |
| Summary for June 12 1998:   |           |                |  |  |          |          |              |  |                                |
| An isolated severe thunderstorm developed on the evening of June 12 over southern Sebastian County, causing a report of marginally severe hail.   |           |                |  |  |          |          |              |  |                                |
| <b>Sebastian County</b>   |           |                |  |  |          |          |              |  |                                |
| <b>Greenwood</b>  | <b>14</b> | <b>0235CST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.10K</b> |  | <b>Thunderstorm Wind</b>       |
| A tree was blown down, blocking a road near Greenwood   |           |                |  |  |          |          |              |  |                                |
| Summary for June 14 1998:   |           |                |  |  |          |          |              |  |                                |
| An area of developing showers and thunderstorms moved across western Arkansas during the early morning of June 14. One of these thunderstorms became severe over southern Sebastian County, producing damaging thunderstorm winds.  |           |                |  |  |          |          |              |  |                                |
| <b>Sebastian County</b>   |           |                |  |  |          |          |              |  |                                |
| <b>Greenwood</b>  | <b>18</b> | <b>2055CST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Hail (0.88)</b>             |
| <b>Sebastian County</b>   |           |                |  |  |          |          |              |  |                                |
| <b>(Fsm)Ft Smith Muni A</b>   | <b>18</b> | <b>2103CST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Hail (0.75)</b>             |
| <b>Sebastian County</b>   |           |                |  |  |          |          |              |  |                                |
| <b>Hackett</b>  | <b>18</b> | <b>2118CST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Thunderstorm Wind (G52)</b> |
| Summary of events for June 18 1998:   |           |                |  |  |          |          |              |  |                                |
| An approaching cold front and a vigorous upper level low moving into the southern plains helped ignite an outbreak of severe thunderstorms over eastern Oklahoma on the evening of June 18. One severe storm moved east into Sebastian County between 745 and 830 PM CDT, dropping hail as large as nickels and causing a severe wind report. |           |                |  |  |          |          |              |  |                                |
| <b>Madison County</b>   |           |                |  |  |          |          |              |  |                                |
| <b>Huntsville</b>   | <b>21</b> | <b>0420CST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.30K</b> |  | <b>Thunderstorm Wind</b>       |



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

### ARKANSAS, Northwest

Several trees were blown down.

Summary for June 21 1998:

An isolated cluster of severe thunderstorms developed over Madison County during the early morning of June 21. These thunderstorms produced a report of wind damage before moving east of Madison County.

#### **Benton County**

##### **Gravette**

|           |                |  |  |  |  |  |  |  |                          |
|-----------|----------------|--|--|--|--|--|--|--|--------------------------|
| <b>30</b> | <b>0330CST</b> |  |  |  |  |  |  |  | <b>Thunderstorm Wind</b> |
|-----------|----------------|--|--|--|--|--|--|--|--------------------------|

A large oak tree was blown into the front of a residence on Third Avenue SW in Gravette. Luckily, the family residing in the house was out of town, and there were no injuries. In Gravette, several trees and limbs were blown down, blocking traffic on several streets. TV antennae were also blown down by the strong thunderstorm winds, and electrical service was disrupted for about two hours.

#### **Benton County**

##### **Sulphur Spgs**

|           |                |  |  |  |  |  |  |  |                          |
|-----------|----------------|--|--|--|--|--|--|--|--------------------------|
| <b>30</b> | <b>0330CST</b> |  |  |  |  |  |  |  | <b>Thunderstorm Wind</b> |
|-----------|----------------|--|--|--|--|--|--|--|--------------------------|

Several trees were blown down in Sulphur Springs, and several streets were blocked by downed trees and limbs. SH 59 south of Sulphur Springs was blocked for about 30 minutes by a fallen tree.

Summary for June 30 1998:

A complex of thunderstorms associated with a slowly southward-moving cold front moved out of southeast Kansas early on the morning of June 30, clipping extreme northwest Arkansas. One of these storms produced severe thunderstorm winds.

### OKLAHOMA, Eastern

#### **Sequoyah County**

##### **Roland**

|           |                |  |  |  |  |  |  |  |                    |
|-----------|----------------|--|--|--|--|--|--|--|--------------------|
| <b>04</b> | <b>1720CST</b> |  |  |  |  |  |  |  | <b>Hail (0.75)</b> |
|-----------|----------------|--|--|--|--|--|--|--|--------------------|

#### **Sequoyah County**

##### **2 NE Roland**

|           |                |  |  |  |  |  |  |  |                    |
|-----------|----------------|--|--|--|--|--|--|--|--------------------|
| <b>04</b> | <b>1725CST</b> |  |  |  |  |  |  |  | <b>Hail (1.00)</b> |
|-----------|----------------|--|--|--|--|--|--|--|--------------------|

#### **Choctaw County**

##### **4 W Boswell to 3 E Swink**

|           |                            |  |  |  |  |  |  |  |                          |
|-----------|----------------------------|--|--|--|--|--|--|--|--------------------------|
| <b>04</b> | <b>1920CST<br/>2015CST</b> |  |  |  |  |  |  |  | <b>Thunderstorm Wind</b> |
|-----------|----------------------------|--|--|--|--|--|--|--|--------------------------|

A large and powerful severe thunderstorm moved across Choctaw County from west to east on the evening of June 4. This storm produced the radar signature of a large bow echo and was a prolific wind producer. The worst part of the storm moved eastward along US Hwy 70, downing numerous trees and power lines countywide. While the storm produced damage countywide, the worst-hit areas of Choctaw County were near Fort Towson. This storm produced widespread wind damage from Bryan County east to the Arkansas border. Specific reports from Choctaw County follow:

- The Choctaw Electric Cooperative reported outages at each of its 13 substations due to broken power poles and trees which toppled onto transmission lines. Nearly 7,500 CEC customers in eastern Choctaw and western McCurtain Counties were without electricity after the storm. CEC replaced 20 broken poles, eight transformers, and one mile of line.
- Public Service Company of Oklahoma reported 1,500 customers without electricity in the Fort Towson area following the storm. Hugo and Swink also had scattered power outages according to PSO.
- Around 820 PM CDT, a large tree was blown down along US Hwy 70 one mile west of Boswell.
- Around 842 PM CDT, spotters estimated wind gusts of 60 to 70 miles an hour in Hugo. These winds uprooted numerous trees and power lines which blocked several roadways around town. A newspaper clipping from the Hugo Daily News showed a picture of a very large uprooted tree that barely missed falling onto two homes on Clayton Street.
- Around 845 PM CDT, a large tree was blown out US Hwy 70 one mile east of Hugo, blocking the roadway.
- Spotters reported tree damage between Hugo and Sawyer around 849 PM CDT.
- The Oklahoma mesonet site 2 miles northwest of Hugo measured a 53 mph gust between 845 and 900 PM CDT.
- Seven large trees were blown down in Ft. Towson's Hopson Park. Large branches were snapped off of trees all over town, blocking streets and falling on vehicles. At least one falling tree caused considerable damage to a car (pictured in the Hugo Daily News).
- A barn was flattened near Fort Towson (pictured in the Hugo Daily News).

#### **Okfuskee County**

##### **2 E Castle**

|           |                |  |  |  |  |  |  |  |                    |
|-----------|----------------|--|--|--|--|--|--|--|--------------------|
| <b>04</b> | <b>2045CST</b> |  |  |  |  |  |  |  | <b>Hail (1.75)</b> |
|-----------|----------------|--|--|--|--|--|--|--|--------------------|

#### **Okmulgee County**

##### **Henryetta**

|           |                |  |  |  |  |  |  |  |                    |
|-----------|----------------|--|--|--|--|--|--|--|--------------------|
| <b>04</b> | <b>2113CST</b> |  |  |  |  |  |  |  | <b>Hail (0.88)</b> |
|-----------|----------------|--|--|--|--|--|--|--|--------------------|

Location: intersection of I-40 and US Hwy 75



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

### OKLAHOMA, Eastern

**Wagoner County**  
3 NE Wagoner

**04 2135CST** **0** **0** **Hail (1.75)**

Reported by public in the Snug Harbor area

**Wagoner County**  
3 N Wagoner

**04 2145CST** **0** **0** **Hail (0.88)**

In addition, the Post Office at Red Bird reported hail of unknown size.

Summary of events for June 4 1998:

Several severe thunderstorms developed on the afternoon and evening of June 4 in east-central and southeast Oklahoma in the presence of an unseasonably strong cold front, extremely unstable air, and strong mid-level winds.

The first severe thunderstorm formed along the front in Sequoyah County after 530 PM CDT, producing hail to quarter-size and then moving east into Arkansas.

A second severe thunderstorm developed in south-central Oklahoma late in the afternoon and had moved east to Choctaw County by 830 PM CDT, producing widespread wind damage.

Finally, an isolated severe thunderstorm developed in Okfuskee County, well north of the cold front. This thunderstorm moved from near Okemah to Wagoner and then weakened. The primary threat with this storm was hail as large as golfballs.

**OKZ060**

**Tulsa**

**06 0000CST** **0** **0** **Record Cool**  
**2359CST**

This was the coolest June 6 on record at the Tulsa International Airport. The morning low of 50 degrees Fahrenheit broke the old record low of 53 degrees set in 1997. The afternoon high of 73 was the coolest high temperature on record for June 6, breaking the old record low max temp. of 74 set in 1983. This was caused by an unseasonably strong Canadian high pressure that had moved southward down the Plains.

**Rogers County**  
Inola

**08 0620CST** **0** **0** **Hail (1.00)**

**Mayes County**  
Chouteau

**08 0630CST** **0** **0** **Hail (0.75)**

**Creek County**  
Bristow

**08 0845CST** **0** **0** **Hail (0.75)**

**Creek County**  
Bristow

**08 0850CST** **0** **0** **Hail (1.00)**

**Adair County**  
2 SW Bunch

**08 0855CST** **0** **0** **Thunderstorm Wind (G52)**

**Adair County**  
Bunch

**08 0900CST** **0** **0** **Thunderstorm Wind (G52)**

**Tulsa County**  
1 SW Glenpool

**08 0921CST** **0** **0** **Hail (0.75)**

**Tulsa County**  
2 SW Bixby

**08 0933CST** **0** **0** **Hail (0.75)**

**Muskogee County**  
Webbers Falls

**08 1000CST** **0** **0** **Thunderstorm Wind (G52)**

**Sequoyah County**  
7 NW Vian

**08 1015CST** **0** **0** **Thunderstorm Wind (G52)**

Summary of events for the morning of June 8 1998:

An area of showers and thunderstorms with scattered embedded severe thunderstorms moved quickly northeast across northeast Oklahoma on the morning of June 8. These storms were in response to an upper level disturbance interacting with elevated instability. The primary threats with these thunderstorms were hail as large as quarters and marginally severe wind gusts.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

| 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, Eastern

|   |    |                    |     |     |   |   |     |  |                         |
|---|----|--------------------|-----|-----|---|---|-----|--|-------------------------|
| <b>Osage County</b>   |    |                    |     |     |   |   |     |  |                         |
| 8 W Burbank   | 08 | 1635CST            |     |     | 0 | 0 |     |  | Thunderstorm Wind (G52) |
| <b>Osage County</b>   |    |                    |     |     |   |   |     |  |                         |
| 2 NW Shidler  | 08 | 1645CST            |     |     | 0 | 0 |     |  | Funnel Cloud            |
| Emergency management reported funnel cloud between Shidler and Webb City.   |    |                    |     |     |   |   |     |  |                         |
| <b>Mcintosh County</b>  |    |                    |     |     |   |   |     |  |                         |
| Hanna   | 08 | 1905CST            |     |     | 0 | 0 |     |  | Hail (0.75)             |
| <b>Mcintosh County</b>  |    |                    |     |     |   |   |     |  |                         |
| 1 N Hanna   | 08 | 1914CST            |     |     | 0 | 0 |     |  | Thunderstorm Wind (G52) |
| Location: near the toll gate on the Indian Nations Turnpike   |    |                    |     |     |   |   |     |  |                         |
| <b>Pittsburg County</b>   |    |                    |     |     |   |   |     |  |                         |
| 7 NW Scipio to<br>9 WSW Indianola   | 08 | 1928CST<br>1939CST | 9   | 200 | 0 | 0 |     |  | Tornado (F0)            |
| <b>Pittsburg County</b>   |    |                    |     |     |   |   |     |  |                         |
| 4 SW Indianola to<br>4 W Crowder  | 08 | 1943CST<br>1955CST | 8   | 200 | 0 | 0 |     |  | Tornado (F0)            |
| <b>Pittsburg County</b>   |    |                    |     |     |   |   |     |  |                         |
| 4 WSW Crowder to<br>2 W Crowder   | 08 | 1955CST<br>1958CST | 2   | 100 | 0 | 0 |     |  | Tornado (F0)            |
| <b>Pittsburg County</b>   |    |                    |     |     |   |   |     |  |                         |
| 3 NW Blocker to<br>2 NE Featherston   | 08 | 2010CST<br>2028CST | 12  | 200 | 0 | 0 |     |  | Tornado (F0)            |
| <b>Pittsburg County</b>   |    |                    |     |     |   |   |     |  |                         |
| 1 NE Blocker to<br>1.5 NE Blocker   | 08 | 2031CST<br>2032CST | 0.5 | 30  | 0 | 0 |     |  | Tornado (F0)            |
| <b>Pittsburg County</b>   |    |                    |     |     |   |   |     |  |                         |
| Northeast Portion   | 08 | 2035CST<br>2130CST |     |     | 0 | 0 |     |  | Flash Flood             |
| SH 71 was closed 2 miles north of Quinton due to considerable water over the roadway.   |    |                    |     |     |   |   |     |  |                         |
| <b>Pittsburg County</b>   |    |                    |     |     |   |   |     |  |                         |
| 2 SE Quinton to<br>3 SE Quinton   | 08 | 2040CST<br>2041CST | 1   | 50  | 0 | 0 | 30K |  | Tornado (F1)            |
| This tornado moved from Pittsburg into Haskell County at 941 PM CDT. Two houses were heavily damaged south of Quinton.  |    |                    |     |     |   |   |     |  |                         |
| <b>Pittsburg County</b>   |    |                    |     |     |   |   |     |  |                         |
| 1 SW Quinton  | 08 | 2040CST            |     |     | 0 | 0 |     |  | Thunderstorm Wind (G88) |
| <b>Haskell County</b>   |    |                    |     |     |   |   |     |  |                         |
| 4 W Lewisville to<br>3 WSW Kinta  | 08 | 2041CST<br>2047CST | 4   | 100 | 0 | 0 |     |  | Tornado (F0)            |
| This tornado originally developed in Pittsburg County and then moved into Haskell County at 941 PM CDT.   |    |                    |     |     |   |   |     |  |                         |
| <b>Haskell County</b>   |    |                    |     |     |   |   |     |  |                         |
| Countywide  | 08 | 2045CST            |     |     | 0 | 0 |     |  | Flash Flood             |
| Longtown Creek overflowed its banks 5 miles south of Enterprise. The NWS cooperative observer 1_SE McCurtain reported 2.00 inches of rain from the intense isolated thunderstorm that moved eastward across Haskell County. |    |                    |     |     |   |   |     |  |                         |
| <b>Pittsburg County</b>   |    |                    |     |     |   |   |     |  |                         |
| Russellville  | 08 | 2051CST            | 0.5 | 30  | 0 | 0 |     |  | Tornado (F0)            |
| <b>Haskell County</b>   |    |                    |     |     |   |   |     |  |                         |
| 2 S Kinta   | 08 | 2055CST            | 0.5 | 50  | 0 | 0 | 60K |  | Tornado (F2)            |
| An F2 tornado destroyed one single family dwelling, while another single family dwelling received major damage.   |    |                    |     |     |   |   |     |  |                         |
| <b>Creek County</b>   |    |                    |     |     |   |   |     |  |                         |
| 4 W Depew   | 08 | 2125CST            |     |     | 0 | 0 |     |  | Hail (0.75)             |
| Location: along old Route 66  |    |                    |     |     |   |   |     |  |                         |



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

| 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, Eastern

|   |          |                    |     |    |   |   |     |  |                         |
|---|----------|--------------------|-----|----|---|---|-----|--|-------------------------|
| Okfuskee County<br>8 N Castle   | 08       | 2137CST            |     |    | 0 | 0 |     |  | Thunderstorm Wind (G61) |
| Le Flore County<br>3 W Panama   | 08       | 2146CST            |     |    | 0 | 0 |     |  | Hail (1.00)             |
| Le Flore County<br>Calhoun  | 08       | 2150CST            |     |    | 0 | 0 |     |  | Funnel Cloud            |
| Okmulgee County<br>3 W Beggs  | 08       | 2153CST            |     |    | 0 | 0 |     |  | Hail (0.75)             |
| Le Flore County<br>Spiro  | 08       | 2155CST            |     |    | 0 | 0 |     |  | Hail (0.75)             |
| Le Flore County<br>Panama   | 08       | 2156CST            |     |    | 0 | 0 |     |  | Thunderstorm Wind (G52) |
| Le Flore County<br>2 W Shady Pt   | 08       | 2156CST            | 0.5 | 30 | 0 | 0 |     |  | Tornado (F0)            |
| Okmulgee County<br>Beggs  | 08       | 2157CST<br>2158CST |     |    | 0 | 0 |     |  | Hail (0.75)             |
| Okmulgee County<br>Beggs  | 08       | 2157CST            |     |    | 0 | 0 |     |  | Thunderstorm Wind (G52) |
| Le Flore County<br>Shady Pt   | 08       | 2208CST            |     |    | 0 | 0 |     |  | Thunderstorm Wind (G61) |
| Le Flore County<br>Poteau   | 08       | 2209CST            |     |    | 0 | 0 |     |  | Thunderstorm Wind (G61) |
| Le Flore County<br>2 N Cameron  | 08       | 2213CST            |     |    | 0 | 0 |     |  | Hail (1.00)             |
| Muskogee County<br>Taft   | 08       | 2240CST            |     |    | 0 | 0 |     |  | Hail (0.75)             |
| Location: Taft Lake   |          |                    |     |    |   |   |     |  |                         |
| Muskogee County<br>Muskogee   | 08       | 2246CST            |     |    | 0 | 0 |     |  | Hail (0.88)             |
| Muskogee County<br>2 W Muskogee   | 08       | 2300CST            |     |    | 0 | 0 |     |  | Hail (0.75)             |
| Muskogee County<br>Muskogee   | 08       | 2303CST            |     |    | 0 | 0 | 2K  |  | Thunderstorm Wind       |
| A wind-driven tree limb penetrated the roof of a residence east of Country Club Road on Old Shawnee Avenue. A large tree was also blown over in Civitan Park. |          |                    |     |    |   |   |     |  |                         |
| Muskogee County<br>Braggs   | 08       | 2310CST            |     |    | 0 | 0 |     |  | Hail (0.88)             |
| Muskogee County<br>Ft Gibson  | 08       | 2315CST            |     |    | 0 | 0 | 25K |  | Thunderstorm Wind       |
| A church under construction collapsed, and large trees were blown down. Power lines were also blown down, and a pontoon boat was flipped.                     |          |                    |     |    |   |   |     |  |                         |
| Muskogee County<br>Central Portion  | 08<br>09 | 2335CST<br>0030CST |     |    | 0 | 0 |     |  | Flash Flood             |
| US Hwy 69 was covered by one foot of water in Muskogee. The NWS cooperative observer in Muskogee reported 2.57 inches of rain.                                |          |                    |     |    |   |   |     |  |                         |
| Cherokee County<br>8 SW Pettit  | 08       | 2345CST            |     |    | 0 | 0 |     |  | Hail (0.88)             |
| Location: Tenkiller Harbor  |          |                    |     |    |   |   |     |  |                         |



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

| 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, Eastern

**Muskogee County  
Braggs**

**08 2350CST** **0** **0** **1K** **Thunderstorm Wind**

Numerous trees blown down around Braggs

**Adair County  
Bunch**

**09 0000CST** **0** **0** **0.10K** **Thunderstorm Wind**

Several large tree limbs were blown down

**Adair County  
South Portion**

**09 0000CST  
0100CST** **0** **0** **Flash Flood**

About three inches of rain washed gravel off of county roads near Bunch. The NWS cooperative observer 2 miles north of Lyons measured 2.82 inches of rain.

**Cherokee County  
South Portion**

**09 0015CST** **0** **0** **Flash Flood**

County roads in the Woodall community (10 miles southwest of Tahlequah) were flooded. The Oklahoma mesonet site just SSW of Cookson measured 2.76 inches of rain.

**Cherokee County  
10 SW Tahlequah**

**09 0015CST** **0** **0** **20K** **Thunderstorm Wind**

Thunderstorm winds blew 20-30 big trees down, destroyed three barns, and unroofed a shed near the Woodall community.

**Sequoyah County  
Marble City**

**09 0030CST** **0** **0** **1K** **Thunderstorm Wind**

Numerous trees were blown down

**Sequoyah County  
Roland**

**09 0110CST** **0** **0** **Hail (0.75)**

Summary of events for the evening of June 8 and the early morning of June 9 1998:

A classic southern plains severe weather event shaped up on the afternoon and evening of June 8 as a number of isolated severe thunderstorms developed over central Oklahoma to the east of a dryline.

The first severe thunderstorm to affect eastern Oklahoma scraped the northwestern part of Osage County, causing a report of a severe thunderstorm gust. This storm quickly died as it entered Kansas.

A second more serious severe thunderstorm formed west of Oklahoma City and tracked all the way to the Arkansas state line south of Fort Smith, traversing Pittsburg, Haskell, and Le Flore Counties. This storm travelled east along an instability axis and a warm front. From a radar perspective, this storm was impressive in that it kept a classic, well-defined hook on its entire journey across southeast Oklahoma. From a human perspective, this storm was impressive in that it produced ten tornadoes in southeast Oklahoma, hail as large as golfballs, damaging thunderstorm winds, and torrential flooding rains.

A third cluster of severe thunderstorms developed over Creek County and moved east across Okmulgee, Muskogee, Cherokee, and Adair Counties before weakening as it entered Arkansas. These storms slowed their movement across Muskogee County and regeneration along the southwest flank of the storms caused torrential rainfalls that dumped nearly three inches of rain in northern Muskogee, southern Cherokee, southern Adair, and northern Sequoyah Counties. In addition to flooding rains, these storms produced hail as large as nickels and damaging thunderstorm winds.

**Pushmataha County  
Antlers**

**09 2015CST** **0** **0** **3K** **Thunderstorm Wind**

Several trees were blown down in Antlers. Trees and power lines were blown down throughout Pushmataha County.

**OKZ066-068>072-074**

**Okmulgee - Cherokee - Adair - Muskogee - Mcintosh - Sequoyah - Haskell**  
**09 2030CST  
2200CST** **0** **0** **10.5K** **High Wind (G65)**

Strong southerly winds developed around 930 PM CDT along the I-40 corridor on the evening of June 9 as rapidly sinking air to the north of a thunderstorm complex over southeast Oklahoma hit the ground and spread out. However, these winds were not in direct association with the thunderstorms. The Henryetta and Checotah areas suffered from the strongest winds as several unofficial reports of winds as high as 75 miles an hour were received from the general public. The Mcintosh County emergency management director reported many trees and power lines down in and around Checotah. There were other reports of 50 mph gusts further east along the I-40 corridor, and the Webbers Falls mesonet site reported a gust to 45 miles an hour. Doppler radar showed this narrow stripe of winds as it moved east along and just north of I-40 through 1100 PM CDT. The stripe of strong winds exited Oklahoma east of Stilwell.





# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

| 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, Eastern

**Choctaw County**  
**Hugo**

**09 2035CST 0 0 6K Thunderstorm Wind**

Numerous trees were blown down around Hugo and across much of Choctaw County. A newspaper clipping pictured a very large oak tree that had fallen onto a storage building in a backyard along West Poplar Street. In addition, the metal roofing was blown off of a car wash in Hugo.

**Le Flore County**  
**Heavener**

**09 2151CST 0 0 Thunderstorm Wind (G52)**

**Muskogee County**  
**Muskogee**

**10 0130CST 0 0 15K Lightning**

A lightning strike during the early morning of June 10 at the Frontier Terminal on the Arkansas River caused a pump to activate, spilling an estimated 11000 gallons of asphalt oil and diesel fuel. One thousand gallons of the diesel fuel entered the river, affecting 5 miles of the river before it could be contained. (Time estimated)

Summary of events for June 9 PM-June 10 AM 1998:

A line of severe thunderstorms moved quickly across southeast Oklahoma on the evening of June 9 between 900 and 1100 PM CDT. These thunderstorms demonstrated bow echo signatures on radar and primarily caused widespread strong thunderstorm winds as they moved across Choctaw, Pushmataha, and southern Le Flore Counties. To the north of this large complex of storms, rapidly sinking air from the anvil tops of the thunderstorms caused locally strong winds to develop along the I-40 corridor from Henryetta to the Arkansas state line near Stilwell.

Later during the early morning of June 10, there was a repeat of the earlier events between 130 and 400 AM CDT with a line of thunderstorms containing widespread wind gusts of 45 to 50 miles an hour moved across Pittsburg, Latimer, and Le Flore Counties in southeast Oklahoma. As with the thunderstorms on the evening of June 9, high winds developed well north of the thunderstorm complex to the north of the I-40 corridor.

**OKZ065>072-074**

**Okfuskee - Okmulgee - Wagoner - Cherokee - Adair - Muskogee - McIntosh - Sequoyah - Haskell**  
**10 0001CST 0 0 6K High Wind (G65)**  
**0230CST**

Summary of non-convective high wind event during early AM of June 10 1998:

Localized areas of high wind developed again during the early morning of June 10 due to rapidly sinking air to the north of a thunderstorm complex moving across southeast Oklahoma. The winds first developed around Okemah and moved east to the Arkansas state line generally north of I-40 and south of US Hwy 412.

Along the way, there were widespread wind gusts in excess of 45-50 mph with local gusts to 75 mph. Spotters reported wind gusts to 75 mph just northeast of Checotah in McIntosh County at 151 AM CDT. Spotters near Eufaula reported a gust to 60 mph at 208 AM CDT. The Oklahoma mesonet site at 5 SSE Haskell measured a gust to 61 mph at 210 AM CDT. The Channel 2 weather net site at Henryetta measured a gust to 52 mph around 200 AM CDT, and their site in Muskogee measured a gust to 57 mph between 215 and 230 AM CDT. The winds knocked down numerous trees and power lines in the affected counties. In Muskogee, about 1/4 of the city was without power, and their were at least two electrical fires caused by downed power lines. Winds to 50 mph were reported in Gore at 317 AM CDT.

**Okfuskee County**  
**10 W Okemah**

**10 1505CST 0 0 Thunderstorm Wind (G52)**

**Tulsa County**  
**Tulsa**

**10 1606CST 0 0 Thunderstorm Wind (G53)**

Spotters reported a measured wind gust to 61 mph at 61st and Peoria.

**Tulsa County**  
**5 S Bixby**

**10 1609CST 0 0 Thunderstorm Wind (G61)**

**Tulsa County**  
**Tulsa**

**10 1610CST 0 0 Thunderstorm Wind (G52)**

Spotters reported 60 mph wind gusts and tree limbs blown down near 46th Street S. and Mingo.

**Tulsa County**  
**Tulsa**

**10 1615CST 0 0 Thunderstorm Wind (G53)**

Measured by Channel 2 weather net site at 67th and Garnett





# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

| 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, Eastern

|   |    |         |  |  |   |   |  |  |                         |
|---|----|---------|--|--|---|---|--|--|-------------------------|
| <b>Pawnee County</b><br>Pawnee          | 13 | 2000CST |  |  | 0 | 0 |  |  | Hail (1.25)             |
| <b>Pawnee County</b><br>10 W Cleveland  | 13 | 2013CST |  |  | 0 | 0 |  |  | Funnel Cloud            |
| Funnel cloud reported halfway to ground |    |         |  |  |   |   |  |  |                         |
| <b>Creek County</b><br>2 W Bristow      | 13 | 2051CST |  |  | 0 | 0 |  |  | Hail (1.25)             |
| Location: on I-44 just west of Bristow  |    |         |  |  |   |   |  |  |                         |
| <b>Creek County</b><br>2 W Bristow      | 13 | 2051CST |  |  | 0 | 0 |  |  | Thunderstorm Wind (G52) |
| <b>Rogers County</b><br>Oologah         | 13 | 2100CST |  |  | 0 | 0 |  |  | Hail (0.75)             |
| <b>Rogers County</b><br>Oologah         | 13 | 2154CST |  |  | 0 | 0 |  |  | Hail (0.75)             |

Summary of events for June 13 1998:

Severe thunderstorms formed along a dryline over central Oklahoma on the afternoon of June 13. A couple of these storms remained severe as they entered eastern Oklahoma during the evening. One storm crossed extreme northwest Osage County, producing a report of dime-sized hail. Another storm, with strong rotation on radar, travelled from near Stillwater to Pawnee, producing half-dollar sized hail and a funnel cloud. This storm reintensified again over northern Rogers County around 1100 PM CDT, producing a report of dime-sized hail. Finally, a severe storm moved across Creek County, producing half-dollar sized hail near Bristow and weakening as it approached Tulsa County.

|                                      |    |         |  |  |   |   |    |  |                   |
|--------------------------------------|----|---------|--|--|---|---|----|--|-------------------|
| <b>Nowata County</b><br>2 E Childers | 15 | 1600CST |  |  | 0 | 0 | 2K |  | Thunderstorm Wind |
|--------------------------------------|----|---------|--|--|---|---|----|--|-------------------|

Strong winds blew a tree onto the roof of the cook shack at the Happy Hills Camp. Several other trees in the area were damaged.

|                                       |    |         |  |  |   |   |  |  |             |
|---------------------------------------|----|---------|--|--|---|---|--|--|-------------|
| <b>Sequoyah County</b><br>Marble City | 18 | 0937CST |  |  | 0 | 0 |  |  | Hail (0.75) |
|---------------------------------------|----|---------|--|--|---|---|--|--|-------------|

Summary: an elevated thunderstorm rooted above a cap of warm air in the mid-levels of the atmosphere, briefly strengthened to severe levels while moving across Sequoyah County on the morning of June 18, producing dime-sized hail.

|                                     |    |         |  |  |   |   |  |  |             |
|-------------------------------------|----|---------|--|--|---|---|--|--|-------------|
| <b>Creek County</b><br>4 S Mannford | 18 | 1545CST |  |  | 0 | 0 |  |  | Hail (1.75) |
|-------------------------------------|----|---------|--|--|---|---|--|--|-------------|

|                                |    |         |  |  |   |   |  |  |             |
|--------------------------------|----|---------|--|--|---|---|--|--|-------------|
| <b>Nowata County</b><br>Nowata | 18 | 1600CST |  |  | 0 | 0 |  |  | Hail (0.88) |
|--------------------------------|----|---------|--|--|---|---|--|--|-------------|

|                                       |    |         |  |  |   |   |  |  |             |
|---------------------------------------|----|---------|--|--|---|---|--|--|-------------|
| <b>Creek County</b><br>1 N Kellyville | 18 | 1612CST |  |  | 0 | 0 |  |  | Hail (2.00) |
|---------------------------------------|----|---------|--|--|---|---|--|--|-------------|

|                                       |    |         |  |  |   |   |  |  |             |
|---------------------------------------|----|---------|--|--|---|---|--|--|-------------|
| <b>Creek County</b><br>3 N Kellyville | 18 | 1617CST |  |  | 0 | 0 |  |  | Hail (2.75) |
|---------------------------------------|----|---------|--|--|---|---|--|--|-------------|

Location: on the Turner Turnpike (I-44) north of Kellyville

|                                   |    |         |  |  |   |   |  |  |             |
|-----------------------------------|----|---------|--|--|---|---|--|--|-------------|
| <b>Creek County</b><br>Kellyville | 18 | 1619CST |  |  | 0 | 0 |  |  | Hail (4.50) |
|-----------------------------------|----|---------|--|--|---|---|--|--|-------------|

|                                     |    |         |  |  |   |   |  |  |             |
|-------------------------------------|----|---------|--|--|---|---|--|--|-------------|
| <b>Creek County</b><br>3 NW Sapulpa | 18 | 1619CST |  |  | 0 | 0 |  |  | Hail (1.75) |
|-------------------------------------|----|---------|--|--|---|---|--|--|-------------|

|                                      |    |         |  |  |   |   |  |  |             |
|--------------------------------------|----|---------|--|--|---|---|--|--|-------------|
| <b>Tulsa County</b><br>2 SW Glenpool | 18 | 1633CST |  |  | 0 | 0 |  |  | Hail (2.50) |
|--------------------------------------|----|---------|--|--|---|---|--|--|-------------|

|                                |    |         |  |  |   |   |  |  |                         |
|--------------------------------|----|---------|--|--|---|---|--|--|-------------------------|
| <b>Creek County</b><br>Sapulpa | 18 | 1636CST |  |  | 0 | 0 |  |  | Thunderstorm Wind (G70) |
|--------------------------------|----|---------|--|--|---|---|--|--|-------------------------|

|                                 |    |         |  |  |   |   |  |  |                         |
|---------------------------------|----|---------|--|--|---|---|--|--|-------------------------|
| <b>Okmulgee County</b><br>Dewar | 18 | 1640CST |  |  | 0 | 0 |  |  | Thunderstorm Wind (G57) |
|---------------------------------|----|---------|--|--|---|---|--|--|-------------------------|



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

| 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, Eastern

|   |    |                    |     |    |   |   |       |  |                         |
|---|----|--------------------|-----|----|---|---|-------|--|-------------------------|
| <b>Tulsa County</b>   |    |                    |     |    |   |   |       |  |                         |
| 1 SW Glenpool   | 18 | 1641CST            |     |    | 0 | 0 |       |  | Hail (2.75)             |
| <b>Creek County</b>   |    |                    |     |    |   |   |       |  |                         |
| Sapulpa   | 18 | 1645CST<br>1745CST |     |    | 0 | 0 |       |  | Flash Flood             |
| There was widespread street flooding and water over roads in Sapulpa.   |    |                    |     |    |   |   |       |  |                         |
| <b>Tulsa County</b>   |    |                    |     |    |   |   |       |  |                         |
| Glenpool  | 18 | 1650CST            |     |    | 0 | 0 |       |  | Hail (2.00)             |
| <b>Tulsa County</b>   |    |                    |     |    |   |   |       |  |                         |
| Tulsa   | 18 | 1658CST            |     |    | 0 | 0 |       |  | Thunderstorm Wind (G59) |
| A 68 mph gust was measured near 81st Street S. and Lewis in south Tulsa.  |    |                    |     |    |   |   |       |  |                         |
| <b>Tulsa County</b>   |    |                    |     |    |   |   |       |  |                         |
| Tulsa   | 18 | 1658CST            |     |    | 0 | 0 | 3K    |  | Thunderstorm Wind       |
| Planks blown out of a wooden fence near 91st Street S. and Harvard. Trees and power lines blown down across much of the southern part of the city of Tulsa, generally south of 61st Street. |    |                    |     |    |   |   |       |  |                         |
| <b>Tulsa County</b>   |    |                    |     |    |   |   |       |  |                         |
| 3 W Bixby   | 18 | 1659CST            |     |    | 0 | 0 |       |  | Thunderstorm Wind (G61) |
| <b>Tulsa County</b>   |    |                    |     |    |   |   |       |  |                         |
| Broken Arrow  | 18 | 1700CST<br>1800CST |     |    | 0 | 0 |       |  | Flash Flood             |
| Street flooding was reported in Broken Arrow.   |    |                    |     |    |   |   |       |  |                         |
| <b>Tulsa County</b>   |    |                    |     |    |   |   |       |  |                         |
| Jenks   | 18 | 1700CST            |     |    | 0 | 0 | 0.30K |  | Thunderstorm Wind       |
| Several large trees were blown down in Jenks.   |    |                    |     |    |   |   |       |  |                         |
| <b>Tulsa County</b>   |    |                    |     |    |   |   |       |  |                         |
| Tulsa   | 18 | 1700CST            |     |    | 0 | 0 |       |  | Thunderstorm Wind (G61) |
| Location: near 71st Street S. and Yale Ave.   |    |                    |     |    |   |   |       |  |                         |
| <b>Creek County</b>   |    |                    |     |    |   |   |       |  |                         |
| 3 N Sapulpa   | 18 | 1703CST            |     |    | 0 | 0 |       |  | Hail (0.75)             |
| <b>Tulsa County</b>   |    |                    |     |    |   |   |       |  |                         |
| 6 S Broken Arrow  | 18 | 1720CST            |     |    | 0 | 0 |       |  | Thunderstorm Wind (G52) |
| <b>Okfuskee County</b>  |    |                    |     |    |   |   |       |  |                         |
| Welty   | 18 | 1721CST            |     |    | 0 | 0 |       |  | Hail (0.88)             |
| <b>Muskogee County</b>  |    |                    |     |    |   |   |       |  |                         |
| 3 WNW Taft  | 18 | 1730CST            |     |    | 0 | 0 |       |  | Hail (1.75)             |
| <b>Muskogee County</b>  |    |                    |     |    |   |   |       |  |                         |
| 4 N Haskell   | 18 | 1731CST            |     |    | 0 | 0 |       |  | Hail (1.75)             |
| <b>Muskogee County</b>  |    |                    |     |    |   |   |       |  |                         |
| 4 N Haskell   | 18 | 1732CST            |     |    | 0 | 0 | 0.50K |  | Thunderstorm Wind (G70) |
| Tree damage and 80 mph gusts reported   |    |                    |     |    |   |   |       |  |                         |
| <b>Okfuskee County</b>  |    |                    |     |    |   |   |       |  |                         |
| 1 SE Welty  | 18 | 1736CST            |     |    | 0 | 0 |       |  | Hail (1.75)             |
| <b>Wagoner County</b>   |    |                    |     |    |   |   |       |  |                         |
| 5 W Porter  | 18 | 1740CST<br>1741CST | 0.5 | 50 | 0 | 0 | 10K   |  | Tornado (F0)            |
| There was a brief tornado touchdown 5 miles west of Porter that blew a vehicle off of SH 51-A.  |    |                    |     |    |   |   |       |  |                         |
| <b>Muskogee County</b>  |    |                    |     |    |   |   |       |  |                         |
| 1 E Taft  | 18 | 1744CST            |     |    | 0 | 0 |       |  | Hail (2.75)             |



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

| 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      |
|-----------------------------------|------|----------------------------|---|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|-------------------------|
| <b><u>OKLAHOMA, Eastern</u></b>   |      |                            |   |                          |                                |                                 |                                 |                              |                         |
| Okfuskee County<br>5 W Okfuskee   | 18   | 1800CST<br>1900CST         |   |                          | 0                              | 0                               |                                 |                              | Flash Flood             |
|                                   |      |                            | Water overflowed a county road to the west of Okfuskee.       |                          |                                |                                 |                                 |                              |                         |
| Muskogee County<br>Muskogee       | 18   | 1815CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (0.88)             |
|                                   |      |                            | Location: in the northern part of Muskogee                    |                          |                                |                                 |                                 |                              |                         |
| Okfuskee County<br>1 E Mason      | 18   | 1815CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (1.00)             |
| Muskogee County<br>Muskogee       | 18   | 1820CST                    |   |                          | 0                              | 0                               | 0.10K                           |                              | Thunderstorm Wind       |
|                                   |      |                            | Ten-inch diameter tree limbs were blown down.                 |                          |                                |                                 |                                 |                              |                         |
| Okmulgee County<br>Schulter       | 18   | 1827CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (1.00)             |
| Okmulgee County<br>Schulter       | 18   | 1827CST                    |   |                          | 0                              | 0                               |                                 |                              | Thunderstorm Wind (G57) |
| Okmulgee County<br>Henryetta      | 18   | 1836CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (1.75)             |
| Okmulgee County<br>Henryetta      | 18   | 1836CST                    |   |                          | 0                              | 0                               | 5K                              |                              | Thunderstorm Wind       |
|                                   |      |                            | There was wind damage to a restaurant and motel in Henryetta. |                          |                                |                                 |                                 |                              |                         |
| Okmulgee County<br>Okmulgee       | 18   | 1836CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (0.75)             |
| Okmulgee County<br>Dewar          | 18   | 1840CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (2.75)             |
| Okmulgee County<br>2 N Henryetta  | 18   | 1845CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (1.00)             |
| Pittsburg County<br>2 SW Savanna  | 18   | 1849CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (0.75)             |
| Muskogee County<br>Muskogee       | 18   | 1855CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (0.75)             |
| Muskogee County<br>Muskogee       | 18   | 1900CST                    |   |                          | 0                              | 0                               | 2K                              |                              | Thunderstorm Wind       |
|                                   |      |                            | A barn shop was blown down on the south side of Muskogee.     |                          |                                |                                 |                                 |                              |                         |
| Okfuskee County<br>Castle         | 18   | 1900CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (0.75)             |
| Ottawa County<br>Quapaw           | 18   | 1910CST                    |   |                          | 0                              | 0                               | 0.10K                           |                              | Thunderstorm Wind       |
|                                   |      |                            | Several large tree limbs were blown down.                     |                          |                                |                                 |                                 |                              |                         |
| Mcintosh County<br>5 SW Hitchita  | 18   | 1914CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (1.00)             |
| Mcintosh County<br>5 N Eufaula    | 18   | 1927CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (1.00)             |
| Pittsburg County<br>8 NE Canadian | 18   | 1940CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (2.00)             |
| Haskell County<br>2 NW Enterprise | 18   | 2000CST                    |   |                          | 0                              | 0                               |                                 |                              | Hail (2.50)             |



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

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

### OKLAHOMA, Eastern

|  |    |                    |  |  |   |   |       |  |                         |
|--|----|--------------------|--|--|---|---|-------|--|-------------------------|
| <b>Latimer County</b>  |    |                    |  |  |   |   |       |  |                         |
| 4 WSW Higgins  | 18 | 2001CST            |  |  | 0 | 0 |       |  | Hail (1.75)             |
| Reported on the Pittsburg/Latimer County line  |    |                    |  |  |   |   |       |  |                         |
| <b>Pittsburg County</b>  |    |                    |  |  |   |   |       |  |                         |
| 6 SW Haileyville   | 18 | 2033CST            |  |  | 0 | 0 |       |  | Hail (1.75)             |
| <b>Sequoyah County</b>   |    |                    |  |  |   |   |       |  |                         |
| Moffett  | 18 | 2045CST            |  |  | 0 | 0 | 0.30K |  | Thunderstorm Wind       |
| Large trees were blown down in Moffett   |    |                    |  |  |   |   |       |  |                         |
| <b>Haskell County</b>  |    |                    |  |  |   |   |       |  |                         |
| Stigler  | 18 | 2055CST            |  |  | 0 | 0 |       |  | Hail (1.75)             |
| <b>Haskell County</b>  |    |                    |  |  |   |   |       |  |                         |
| Stigler  | 18 | 2055CST            |  |  | 0 | 0 | 0.10K |  | Thunderstorm Wind (G52) |
| Large tree limbs were knocked down.  |    |                    |  |  |   |   |       |  |                         |
| <b>Pushmataha County</b>   |    |                    |  |  |   |   |       |  |                         |
| 5 N Clayton  | 18 | 2055CST            |  |  | 0 | 0 |       |  | Hail (1.00)             |
| <b>Latimer County</b>  |    |                    |  |  |   |   |       |  |                         |
| 5 S Wilburton  | 18 | 2100CST<br>2300CST |  |  | 0 | 0 |       |  | Flash Flood             |
| Water covered a low-water crossing over North Gaines Creek.                                      |    |                    |  |  |   |   |       |  |                         |
| <b>Latimer County</b>  |    |                    |  |  |   |   |       |  |                         |
| Yanush   | 18 | 2100CST            |  |  | 0 | 0 |       |  | Hail (1.75)             |
| <b>Le Flore County</b>   |    |                    |  |  |   |   |       |  |                         |
| Talihina   | 18 | 2100CST            |  |  | 0 | 0 |       |  | Thunderstorm Wind (G52) |
| <b>Latimer County</b>  |    |                    |  |  |   |   |       |  |                         |
| 4 NE Yanush  | 18 | 2105CST            |  |  | 0 | 0 |       |  | Hail (1.00)             |
| <b>Le Flore County</b>   |    |                    |  |  |   |   |       |  |                         |
| 1 W Whitesboro   | 18 | 2130CST            |  |  | 0 | 0 | 0.50K |  | Thunderstorm Wind       |
| A tree limb was knocked down across a road, and trees were knocked down just west of Whitesboro. |    |                    |  |  |   |   |       |  |                         |
| <b>Latimer County</b>  |    |                    |  |  |   |   |       |  |                         |
| 1 S Higgins  | 18 | 2217CST            |  |  | 0 | 0 |       |  | Hail (1.75)             |
| <b>Latimer County</b>  |    |                    |  |  |   |   |       |  |                         |
| 4 NE Yanush  | 18 | 2225CST            |  |  | 0 | 0 |       |  | Hail (1.25)             |
| <b>Mcintosh County</b>   |    |                    |  |  |   |   |       |  |                         |
| 3 W Eufaula  | 18 | 2235CST            |  |  | 0 | 0 |       |  | Hail (0.88)             |
| <b>Le Flore County</b>   |    |                    |  |  |   |   |       |  |                         |
| Talihina   | 18 | 2245CST            |  |  | 0 | 0 | 2.5K  |  | Thunderstorm Wind       |
| The roof was blown off of a building, and trees were blown down in Talihina.                     |    |                    |  |  |   |   |       |  |                         |
| <b>Mcintosh County</b>   |    |                    |  |  |   |   |       |  |                         |
| Eufaula  | 18 | 2249CST            |  |  | 0 | 0 |       |  | Hail (1.25)             |
| <b>Le Flore County</b>   |    |                    |  |  |   |   |       |  |                         |
| Talihina   | 18 | 2255CST            |  |  | 0 | 0 | 1.5K  |  | Thunderstorm Wind       |
| A roof was blown off of a garage, and several trees were blown down                              |    |                    |  |  |   |   |       |  |                         |
| <b>Le Flore County</b>   |    |                    |  |  |   |   |       |  |                         |
| 4 SE Talihina  | 18 | 2255CST            |  |  | 0 | 0 |       |  | Thunderstorm Wind (G50) |
| Measured at Oklahoma mesonet site  |    |                    |  |  |   |   |       |  |                         |
| <b>Le Flore County</b>   |    |                    |  |  |   |   |       |  |                         |
| 4 SE Talihina  | 18 | 2300CST            |  |  | 0 | 0 |       |  | Thunderstorm Wind (G53) |



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

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

### OKLAHOMA, Eastern

Measured at Oklahoma mesonet site

|  |           |                |  |  |          |          |              |  |                                |
|--|-----------|----------------|--|--|----------|----------|--------------|--|--------------------------------|
| <b>Haskell County</b><br><b>6 W Hoyt</b>     | <b>18</b> | <b>2335CST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Hail (0.88)</b>             |
| <b>Mcintosh County</b><br><b>8 E Eufaula</b> | <b>18</b> | <b>2335CST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Hail (1.00)</b>             |
| <b>Le Flore County</b><br><b>Hodgen</b>      | <b>19</b> | <b>0015CST</b> |  |  | <b>0</b> | <b>0</b> | <b>0.30K</b> |  | <b>Thunderstorm Wind</b>       |
| Trees were blown down in Hodgen.             |           |                |  |  |          |          |              |  |                                |
| <b>Le Flore County</b><br><b>Wister</b>      | <b>19</b> | <b>0136CST</b> |  |  | <b>0</b> | <b>0</b> |              |  | <b>Thunderstorm Wind (G75)</b> |
| <b>Le Flore County</b><br><b>Poteau</b>      | <b>19</b> | <b>0145CST</b> |  |  | <b>0</b> | <b>0</b> | <b>10K</b>   |  | <b>Thunderstorm Wind</b>       |

A large tree was blown onto a residence on Mockingbird Lane. One of the larger branches tore through a bedroom wall, narrowly missing the bed. Termites or ants had apparently been inside the tree for some time and the large tree was rotted from the inside.

Summary of events for June 18-19 1998:

An approaching cold front and a vigorous upper level low moving into the southern plains helped ignite an outbreak of severe thunderstorms on the late afternoon of June 18, lasting into the early morning of June 19. The first storms of the day formed along the I-44 corridor near the front with the severe weather emphasis slowly shifting southward during the evening and early morning. This outbreak of severe weather produced the full gamut of severe weather including very large hail to the size of baseballs, damaging thunderstorm winds, and a brief tornado touchdown. In addition, cell mergers were fairly common with this event, causing localized areas of excessive rainfall and flash flooding.

|               |              |           |                                  |  |          |          |  |  |                      |
|---------------|--------------|-----------|----------------------------------|--|----------|----------|--|--|----------------------|
| <b>OKZ060</b> | <b>Tulsa</b> | <b>20</b> | <b>0000CST</b><br><b>2359CST</b> |  | <b>0</b> | <b>0</b> |  |  | <b>Record Warmth</b> |
|---------------|--------------|-----------|----------------------------------|--|----------|----------|--|--|----------------------|

The low temperature at the Tulsa International Airport on June 20 was 82 degrees Fahrenheit, occurring at 506 AM CDT. This breaks the previous record high minimum temperature of 77 degrees set in 1964. In addition, this was the warmest low temperature on record for the month of June as long as records have been kept in Tulsa.

|                      |                       |           |                                  |  |          |          |           |  |                  |
|----------------------|-----------------------|-----------|----------------------------------|--|----------|----------|-----------|--|------------------|
| <b>OKZ059&gt;060</b> | <b>Pawnee - Tulsa</b> | <b>20</b> | <b>1950CST</b><br><b>2230CST</b> |  | <b>0</b> | <b>0</b> | <b>1K</b> |  | <b>High Wind</b> |
|----------------------|-----------------------|-----------|----------------------------------|--|----------|----------|-----------|--|------------------|

Summary of high winds on June 20 1998:

Localized areas of high wind known as heat bursts took place in parts of northeast Oklahoma on the evening of June 20. These heat bursts occurred randomly in the affected counties, affecting small areas with winds in excess of 60 mph and a sudden 10-degree temperature jump to as high as 100 degrees Fahrenheit.

At 855 PM CDT, a heat burst took place in Jennings (Pawnee County), blowing down several large tree limbs. At 1035 PM CDT, an off-duty NWS employee reported a heat burst near Bixby (Tulsa County) with a measured wind gust to 61 mph. In addition, power lines were blown down near 91st Street S. and Garnett in south Tulsa.

|  |           |                |  |  |          |          |            |  |                                |
|--|-----------|----------------|--|--|----------|----------|------------|--|--------------------------------|
| <b>Osage County</b><br><b>Fairfax</b>                              | <b>21</b> | <b>0015CST</b> |  |  | <b>0</b> | <b>0</b> | <b>5K</b>  |  | <b>Thunderstorm Wind</b>       |
| Several trees were blown down, and 12 power poles were blown down. |           |                |  |  |          |          |            |  |                                |
| <b>Osage County</b><br><b>2 S Wynona</b>                           | <b>21</b> | <b>0045CST</b> |  |  | <b>0</b> | <b>0</b> |            |  | <b>Thunderstorm Wind (G50)</b> |
| 58 mph gust measured at Oklahoma mesonet site.                     |           |                |  |  |          |          |            |  |                                |
| <b>Osage County</b><br><b>2 S Wynona</b>                           | <b>21</b> | <b>0050CST</b> |  |  | <b>0</b> | <b>0</b> |            |  | <b>Thunderstorm Wind (G55)</b> |
| 63 mph gust measured at Oklahoma mesonet site.                     |           |                |  |  |          |          |            |  |                                |
| <b>Osage County</b><br><b>Hominy</b>                               | <b>21</b> | <b>0053CST</b> |  |  | <b>0</b> | <b>0</b> | <b>80K</b> |  | <b>Thunderstorm Wind (G70)</b> |







# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

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

### OKLAHOMA, Eastern

**Tulsa County**  
**Sand Spgs**

|    |         |  |  |  |   |   |    |  |                                |
|----|---------|--|--|--|---|---|----|--|--------------------------------|
| 21 | 0132CST |  |  |  | 0 | 0 | 3K |  | <b>Thunderstorm Wind (G61)</b> |
|----|---------|--|--|--|---|---|----|--|--------------------------------|

Spotters estimated winds in Sand Springs of 70 mph. These winds blew down power lines in and north of Sand Springs, especially in the McKinley Hill area.

**Tulsa County**  
**Tulsa**

|    |                    |  |  |  |   |   |     |  |                                |
|----|--------------------|--|--|--|---|---|-----|--|--------------------------------|
| 21 | 0132CST<br>0150CST |  |  |  | 0 | 0 | 90K |  | <b>Thunderstorm Wind (G83)</b> |
|----|--------------------|--|--|--|---|---|-----|--|--------------------------------|

Winds measured as high as 96 mph caused extensive damage in downtown Tulsa and throughout a large part of the city. Specific reports follow:

- At 232 AM CDT, the NWS received reports of transformers blowing up in north Tulsa. Eventually, 70,000 PSO customers lost electrical service. Numerous power lines, including 27 distribution poles and 10 transmission poles as tall as 75 feet, were blown down. Nine of these were along Sheridan Road between Admiral and 11th Street S. PSO reported damage located in an area from Keystone Dam east to Broken Arrow and from Tulsa International Airport to 31st Street S. The worst damage was near 11th and Sheridan.
- At 240 AM CDT, spotters reported a 65 mph gust in east Tulsa.
- At 240 AM CDT, spotters measured a 96 mph gust near US Hwy 75 and Apache.
- At 242 AM CDT, a KOTV (Channel 6) meteorologist reported 85 to 90 mph winds at their studios in downtown Tulsa. Much of downtown Tulsa lost electrical service.
- Around 245 AM CDT, winds tore the roof off of Houston Elementary School on North Cincinnati. New Hope Baptist Church next door lost part of its roof as well.
- Large trees and traffic signals were blown down in the downtown area, blocking several streets. A newspaper clipping had a picture of a traffic signal laying on the ground at Second Street and Cincinnati.
- The roofs of at least two units at the Osage Hills Apartments (423 W. Haskell) were blown off. Downed tree branches nearby broke out several windows on a car.
- The roof was blown off of the Town Center Building (507 E. Archer) in downtown Tulsa.
- Two large plate glass windows were blown out of the 400 S. Boston Building in downtown Tulsa. The glass was at least one-half inch thick.
- A newspaper clipping showed a picture of a very large tree that was blown onto a Nissan Maxima near 37th and Troost, totalling the car.
- Gasoline pumps at a gas station (2718 W. Edison) were torn from their bases, and the station's large metal canopy was blown across the street.
- There was one indirect injury as a man was trimming a tree that had fallen on power lines. A limb fell and contacted a live power line, shocking the man. Also, the Tulsa Regional Medical Center admitted five patients for reasons related to the power outage.

**Tulsa County**  
**1 W Sperry**

|    |         |  |  |  |   |   |    |  |                          |
|----|---------|--|--|--|---|---|----|--|--------------------------|
| 21 | 0145CST |  |  |  | 0 | 0 | 1K |  | <b>Thunderstorm Wind</b> |
|----|---------|--|--|--|---|---|----|--|--------------------------|

A shed was blown down near 110th Street N. and 34th West Ave.

**Rogers County**  
**Catoosa**

|    |         |  |  |  |   |   |       |  |                          |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 21 | 0150CST |  |  |  | 0 | 0 | 0.50K |  | <b>Thunderstorm Wind</b> |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

Several trees were blown down.

**Tulsa County**  
**(Tul)Tulsa Intl Arprt**

|    |         |  |  |  |   |   |  |  |                                |
|----|---------|--|--|--|---|---|--|--|--------------------------------|
| 21 | 0153CST |  |  |  | 0 | 0 |  |  | <b>Thunderstorm Wind (G53)</b> |
|----|---------|--|--|--|---|---|--|--|--------------------------------|

A 61 mph gust was measured by ASOS at the Tulsa International Airport (TUL).

**Tulsa County**  
**Broken Arrow**

|    |         |  |  |  |   |   |  |  |                                |
|----|---------|--|--|--|---|---|--|--|--------------------------------|
| 21 | 0205CST |  |  |  | 0 | 0 |  |  | <b>Thunderstorm Wind (G70)</b> |
|----|---------|--|--|--|---|---|--|--|--------------------------------|

Location: near 91st Street and 193rd East Ave.

**Wagoner County**  
**Coweta**

|    |         |  |  |  |   |   |  |  |                                |
|----|---------|--|--|--|---|---|--|--|--------------------------------|
| 21 | 0216CST |  |  |  | 0 | 0 |  |  | <b>Thunderstorm Wind (G61)</b> |
|----|---------|--|--|--|---|---|--|--|--------------------------------|

**Wagoner County**  
**Wagoner**

|    |         |  |  |  |   |   |       |  |                          |
|----|---------|--|--|--|---|---|-------|--|--------------------------|
| 21 | 0230CST |  |  |  | 0 | 0 | 0.50K |  | <b>Thunderstorm Wind</b> |
|----|---------|--|--|--|---|---|-------|--|--------------------------|

Several trees were blown down.

**Muskogee County**  
**2 W Ft Gibson**

|    |         |  |  |  |   |   |  |  |                                |
|----|---------|--|--|--|---|---|--|--|--------------------------------|
| 21 | 0240CST |  |  |  | 0 | 0 |  |  | <b>Thunderstorm Wind (G83)</b> |
|----|---------|--|--|--|---|---|--|--|--------------------------------|

Location: on the Muskogee Turnpike





# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

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

**OKLAHOMA, Eastern**

A complex of thunderstorms associated with a slowly southward-moving cold front moved out of southeast Kansas and across far northern Oklahoma on the morning of June 30. Several thunderstorms produced severe wind reports and reports of hail as large as nickels.