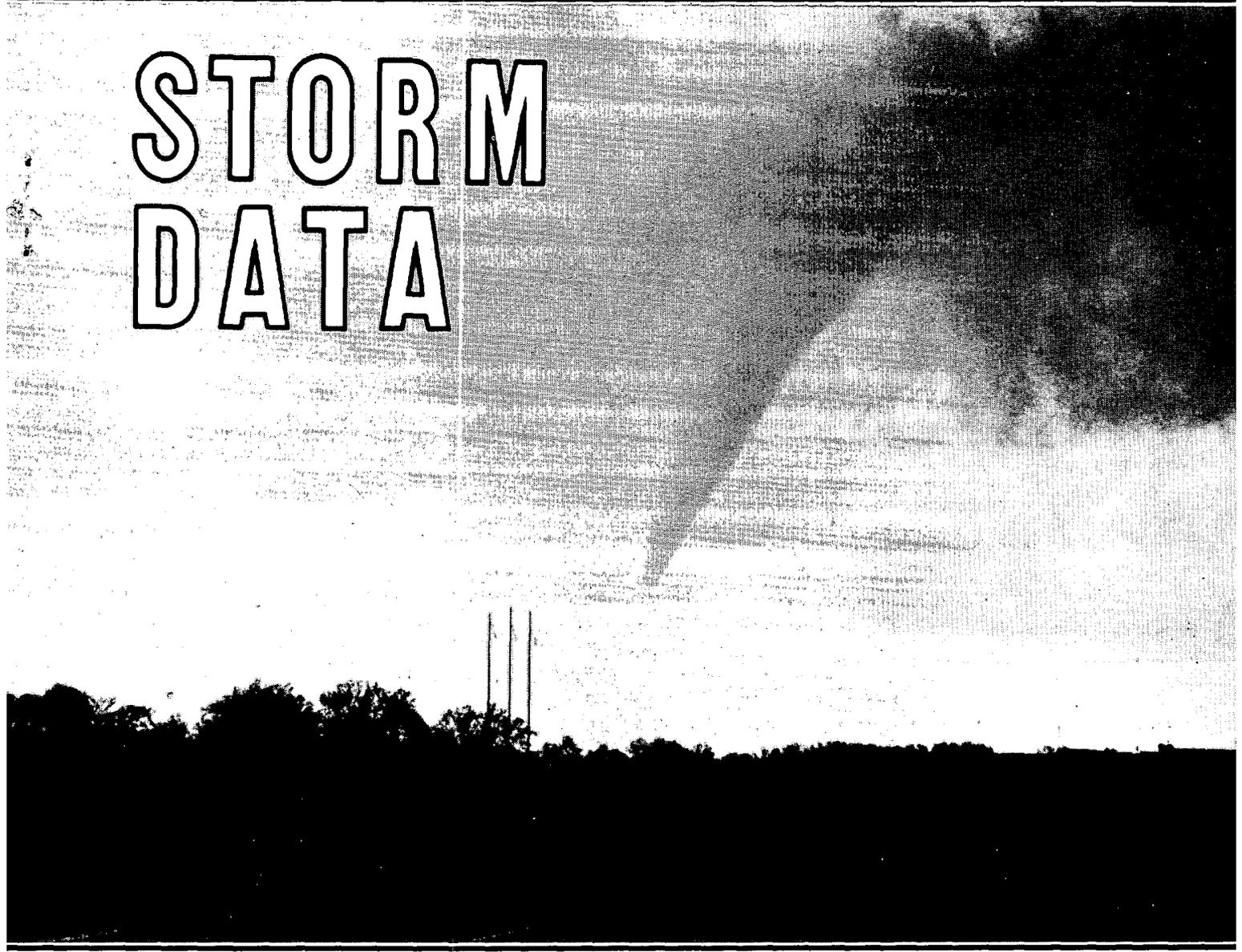


JULY 1992  
VOLUME 34  
NUMBER 7

# STORM DATA



AND UNUSUAL WEATHER PHENOMENA  
WITH LATE REPORTS AND CORRECTIONS



**noaa** NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE / NATIONAL CLIMATIC DATA CENTER ASHEVILLE, N.C.

**Cover:** Severe thunderstorms on July 2 in Oklahoma produced this F3 tornado near Collinsville, Oklahoma. The tornado destroyed two mobile homes and damaged 12 frame houses. Only one injury was reported. See page 8 for additional information on this tornado. (Photo courtesy: Terry Kern, Boulder, Colorado.)

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### **STORM DATA**

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National Climatic Data Center

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**STORM DATA** contains all confirmed information on storms available to our staff at the time of publication. However, due to difficulties inherent in the collection of this type of data, it is not all-inclusive. Late reports and corrections are printed in each edition.

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The editor of **STORM DATA** solicits your help in acquiring photographs (prints or slides; black and white, or color), maps, clippings, etc. of significant or unusual weather events (past or present). These could be for use in the "Outstanding Storms of the Month" or "Et Cetera" sections of **STORM DATA**. We request our subscribers or other interested persons to mail such items to:

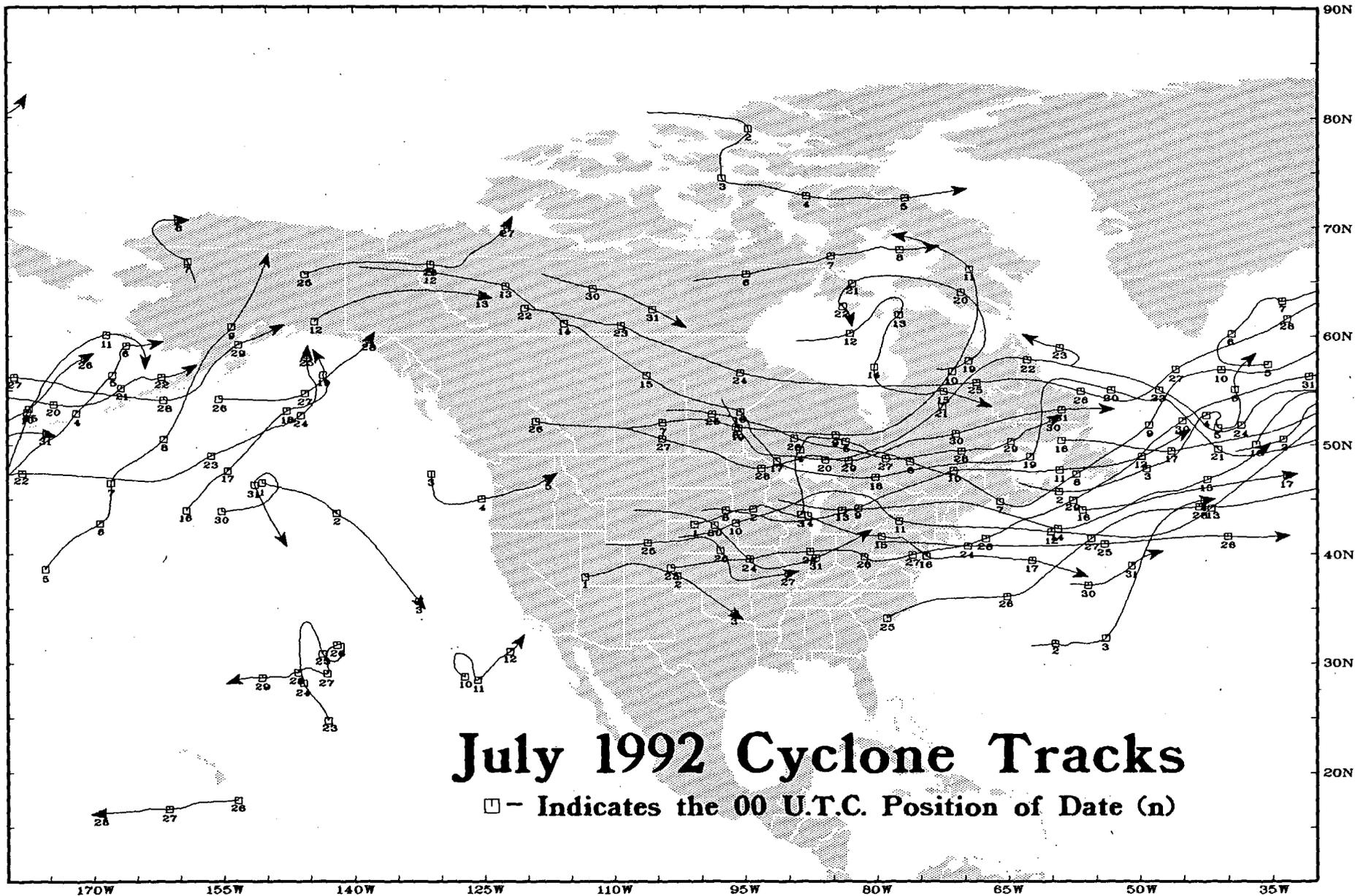
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Director  
National Climatic Data Center



# CLIMATIC DATA OF THE MONTH

## PRECIPITATION AND TEMPERATURE ANOMALIES - JULY 1992

Table 1 lists the 98-year temperature and precipitation rankings for the nine climatically homogeneous regions in the United States outlined below in Figure 1.

Areally averaged mean monthly temperatures across the nation ranked July 1992 as the third coolest July since 1895. It was the coolest July in 98 years of records for the East North Central region. Both the West North Central and New England regions experienced their second coldest July for the same period. For eight states (IA, ME, MA, MI, MN, NE, NY, and WI) it was the coldest July on record. The largest temperature anomalies were found in South Dakota and Nebraska where departures approached  $-9^{\circ}\text{F}$ . Meanwhile, the Southeast region recorded its 17th hottest July since records began in 1895. (It was the second hottest July in 98 years for North Carolina.) The temperature dichotomy was caused by an entrenched Bermuda High over the Southeast and a series of abnormally strong cold fronts moving into the northern half of the country from central Canada. Mean monthly temperatures for most of Alaska and Hawaii were above normal.

Besides being unseasonably cool for a large part of the country, July 1992 was also unusually wet for most of the nation. Nationally, it was the fifth wettest July in 98 years. Areas of the Plains, Northeast, and the South received more than eight inches of rain for the month. Kansas City, MO had an incredible monthly total of 15.47 inches. A few isolated areas in extreme southeastern Kansas picked up over 20 inches of rain during July 1992. Even normally dry southern California logged measurable precipitation from Hurricane Darby which churned 600 miles off the coast. However, portions of the Southeast, upper Mississippi Valley, and the Great Basin experienced less than half their normal rainfall. Fairbanks and the Alaskan Panhandle, as well as, most of the Hawaiian Islands had above normal rainfall including Honolulu, HI where the total precipitation, 2.01 inches, was 400% of normal.

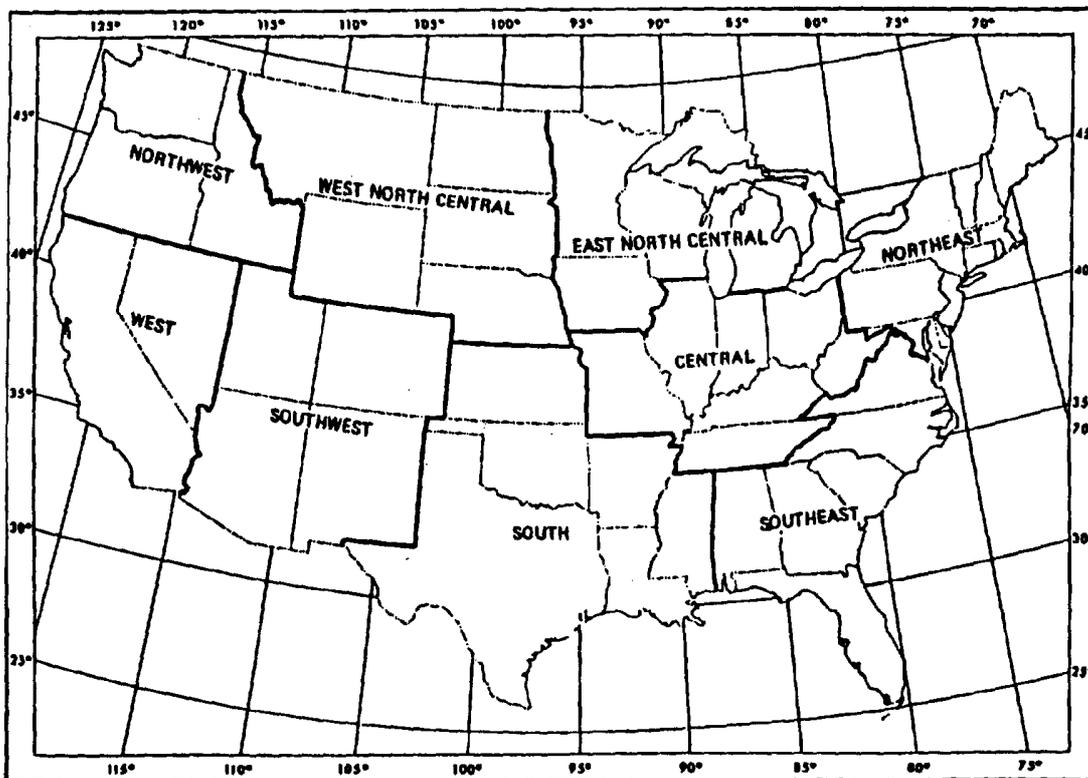
**TABLE 1. TEMPERATURE AND PRECIPITATION RANKINGS FOR JULY 1992, BASED ON THE PERIOD 1895-1992.**

1 = DRIEST, 98 = WETTEST; 1 = COLDEST, 98 = HOTTEST.

REGION	PRECIPITATION	TEMPERATURE
Northeast	93	2
East North Central	93	1
Central	97	20
Southeast	17	85
West North Central	88	2
South	70	27
Southwest	36	8
Northwest	88	18
West	50	31
National	94	3

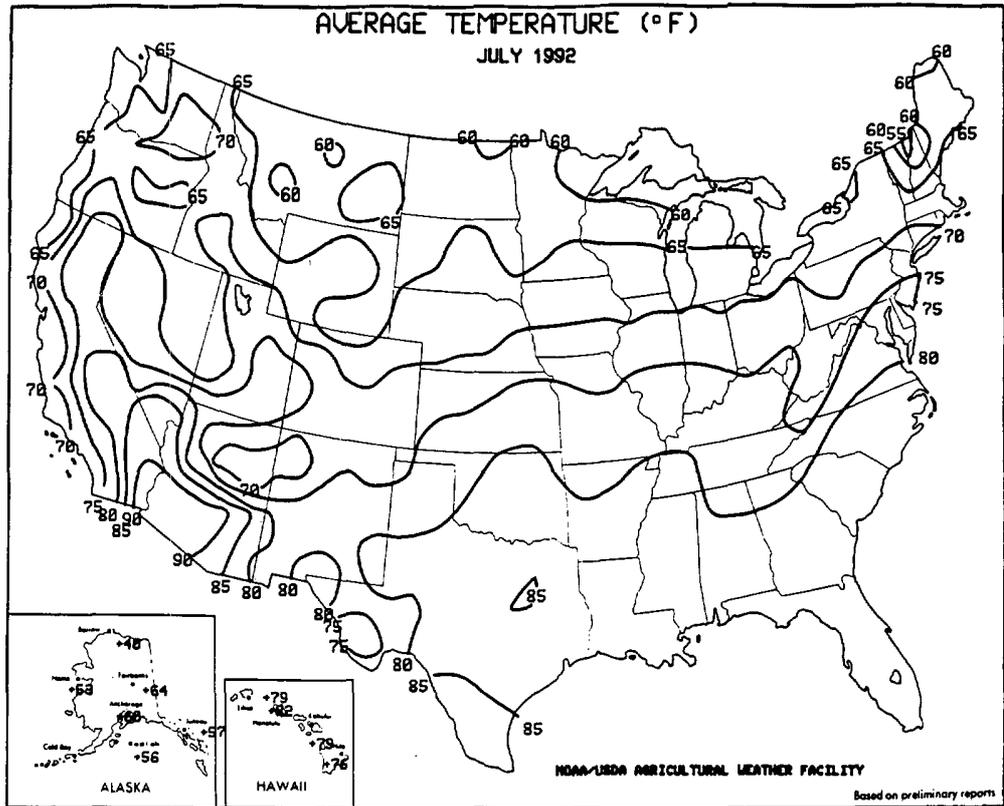
*From National Climatic Data Center*

Fig. 1



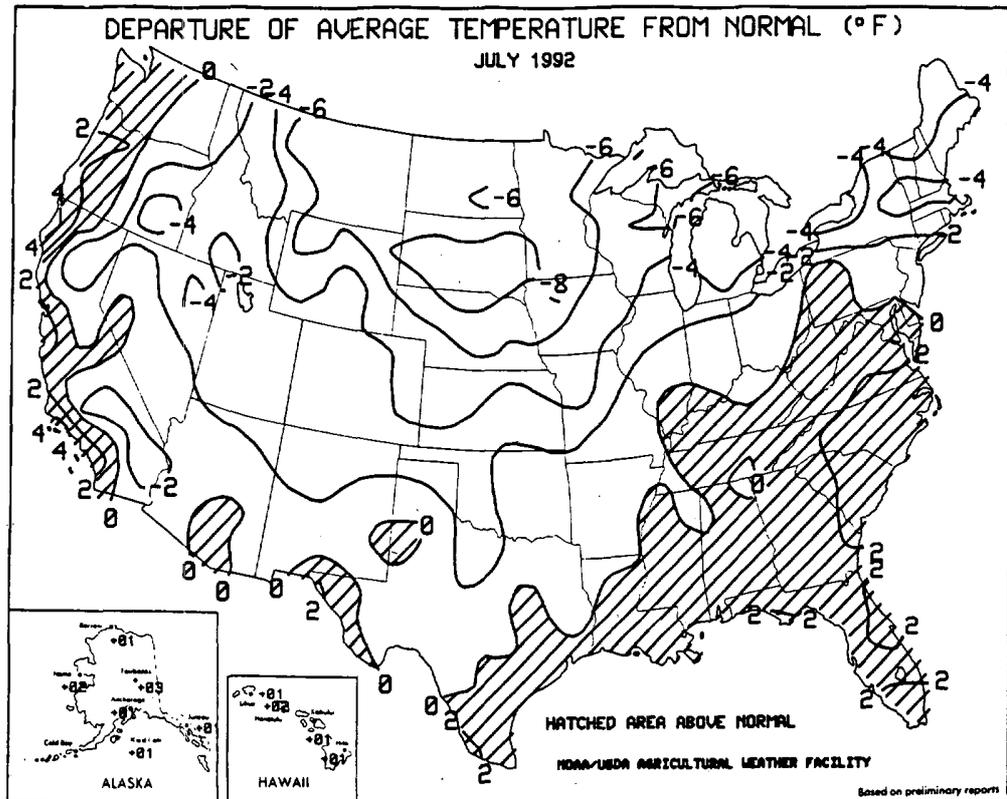
*From National Climatic Data Center*

Fig. 2



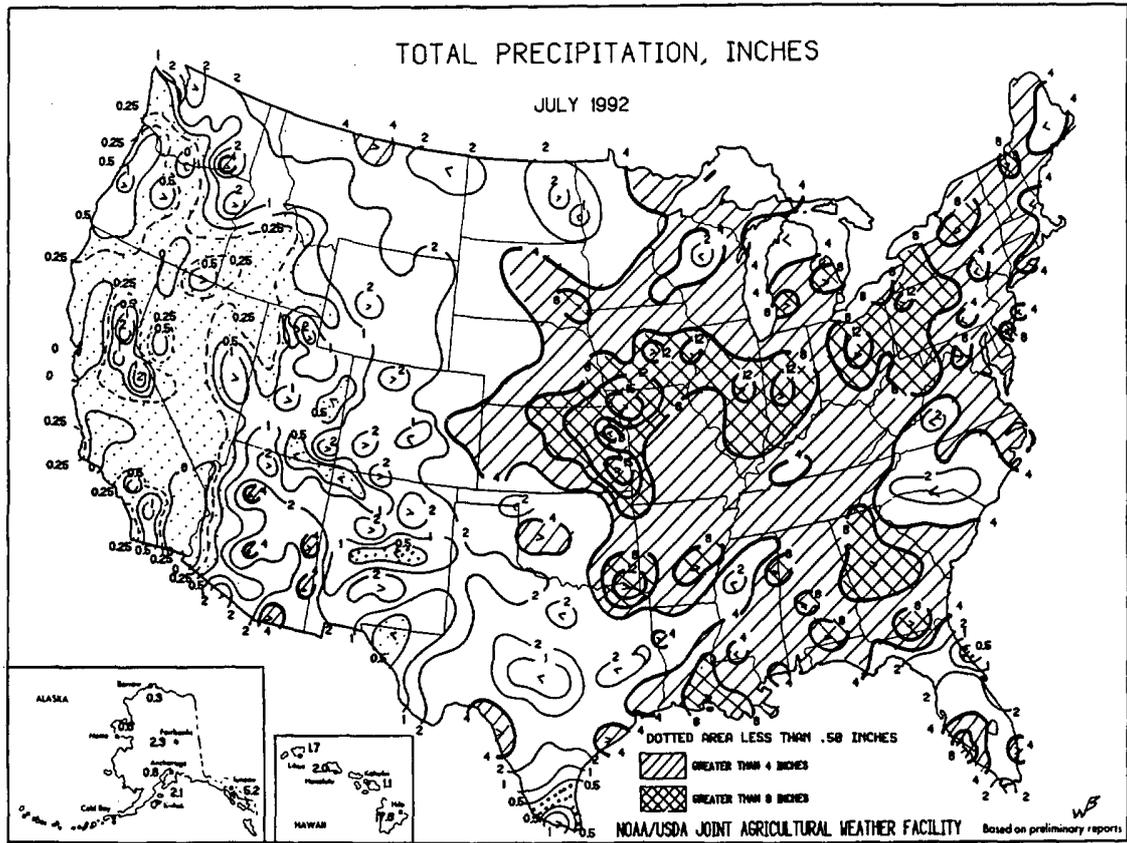
Reprinted from *Weekly Weather and Crop Bulletin* - August 11, 1992

Fig. 3



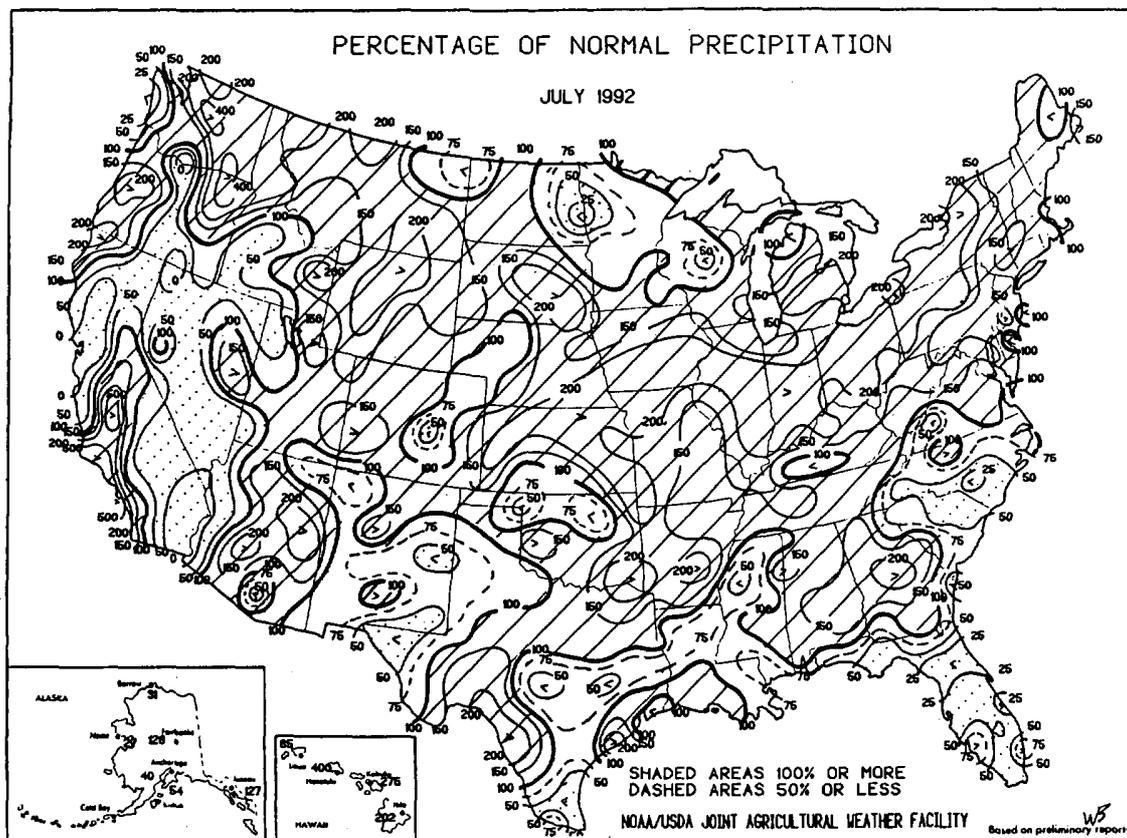
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Fig. 4

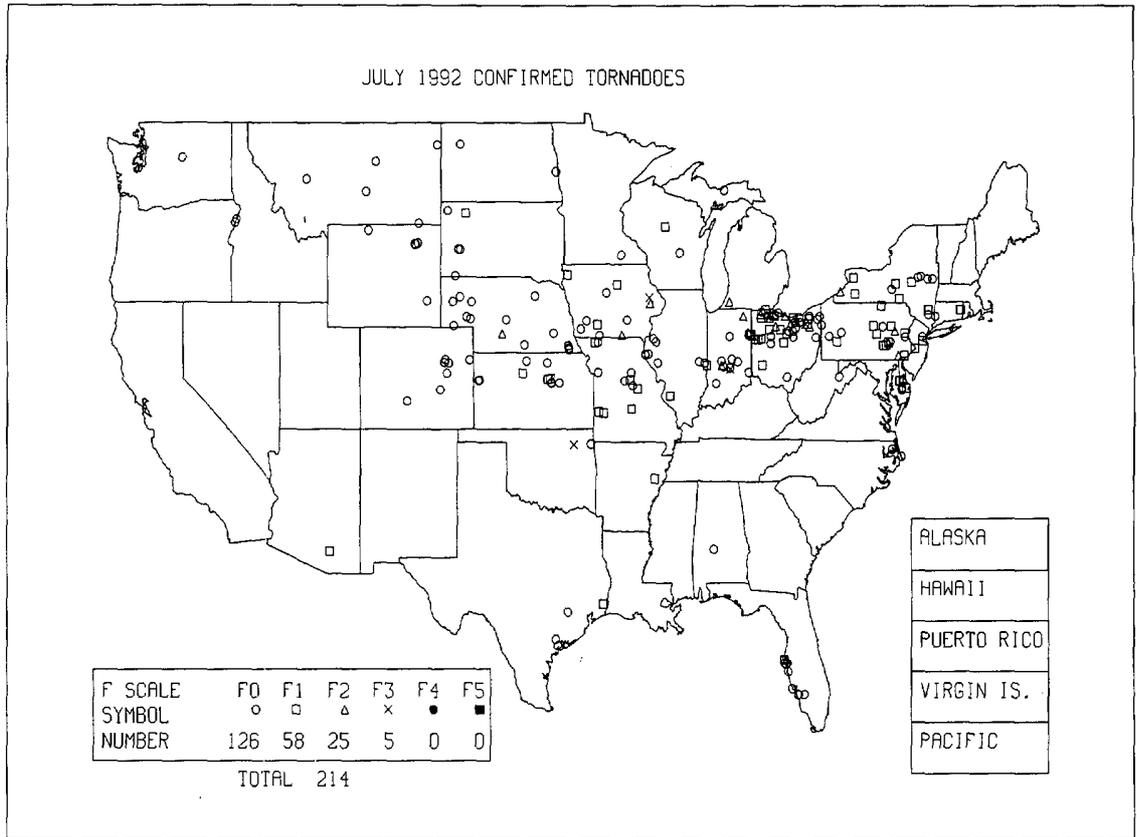


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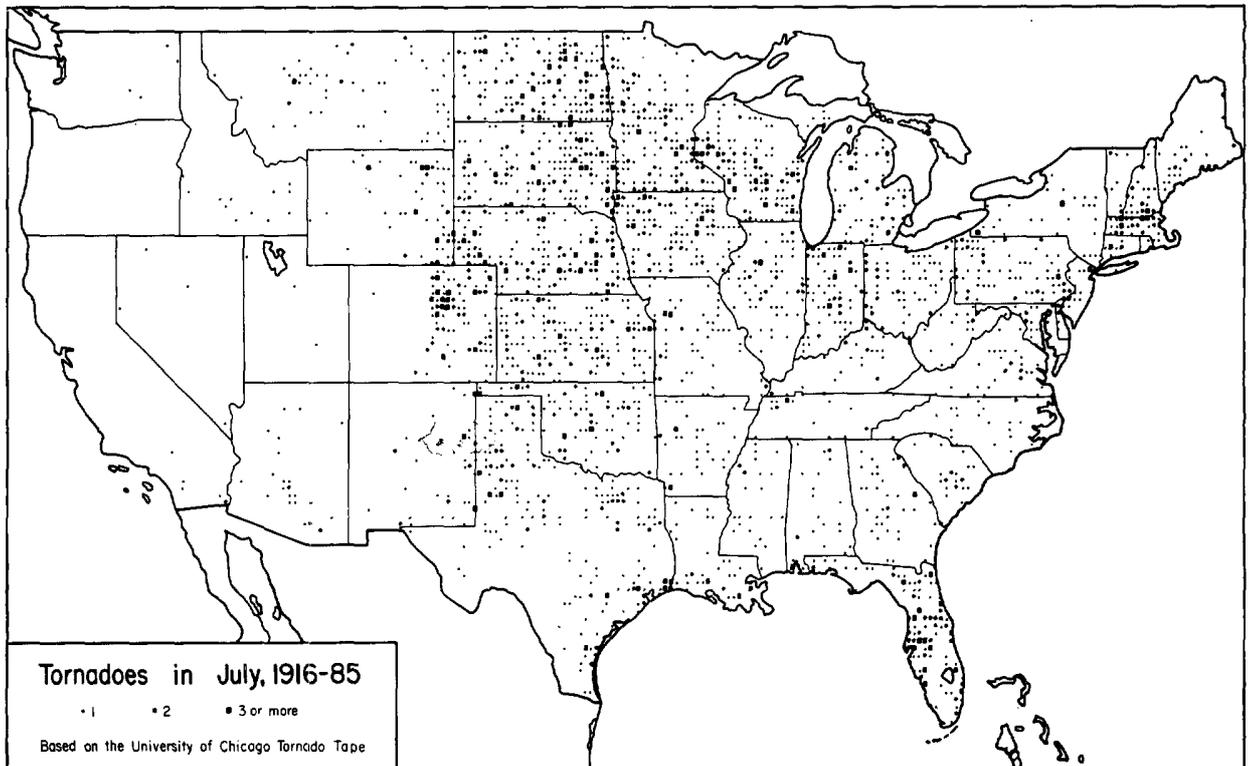
Fig. 5



Reprinted from *Weekly Weather and Crop Bulletin* - August 11, 1992



There were 213 tornadoes in 31 states during July 1992 displacing the old July record of 163 tornadoes set in 1987. One tornado crossed the border from Pennsylvania into New Jersey bringing the combined state count for tornadoes to 214. The state of Ohio recorded 44 tornadoes, two of which rated F3 in intensity, as defined by the Fujita Tornado Scale. (See map above.) No deaths were attributed to the month's tornadoes, but 134 injuries did result.



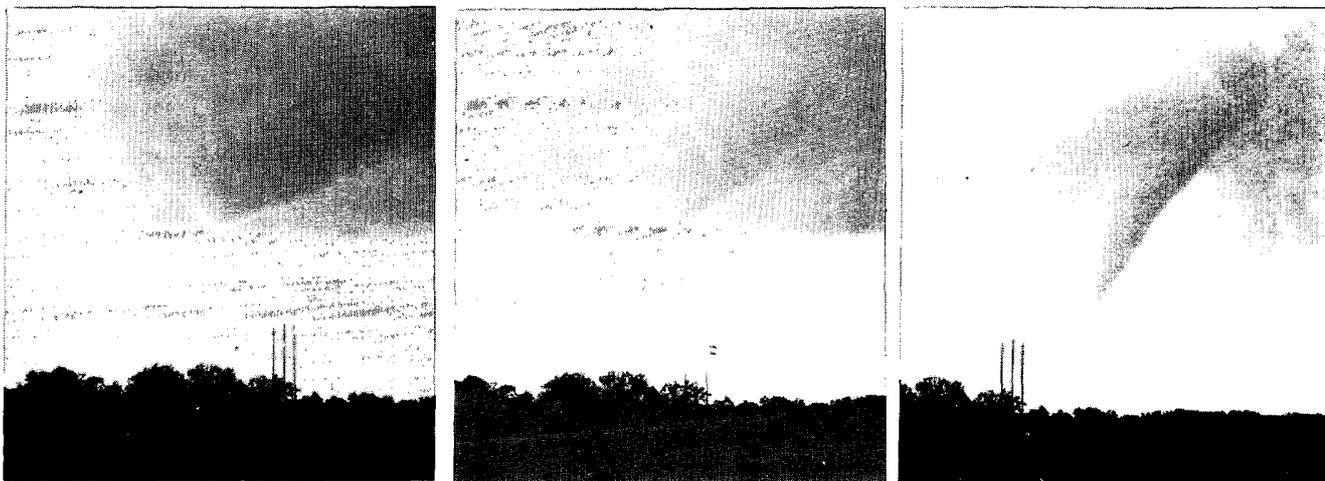
# OUTSTANDING STORMS OF THE MONTH

## 1. TORNADOES

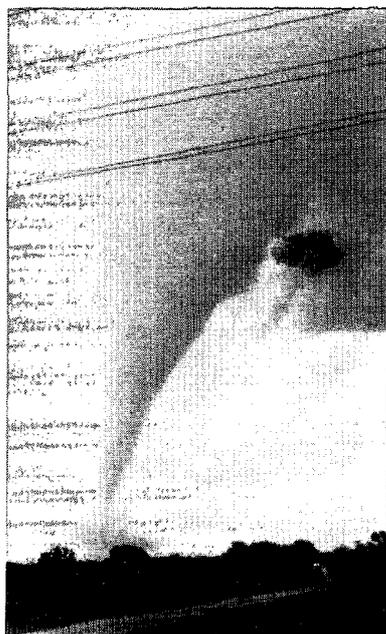
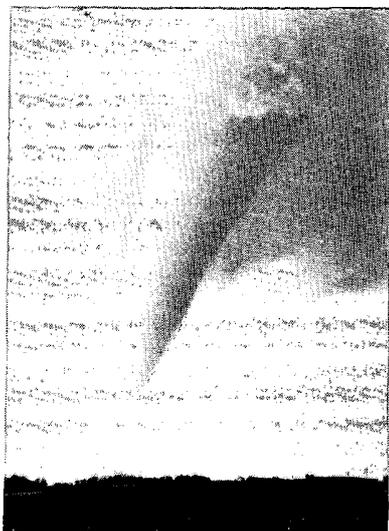
Numerous tornadoes occurred during July. On July the 2nd, 17 tornadoes struck in 7 different states, while the July 12th event featured 39 tornadoes in 9 states. Photographs of the above mentioned events appear on the next several pages. The July 2nd section covers the Oklahoma F3 tornado. The July 12th section on pages 9 and 10 covers the tornado damage in Ohio.

### A. JULY 2

Numerous reports of hail (up to golf ball size) resulted from severe thunderstorms that moved across portions of northeastern, central and southwestern Oklahoma. Straight-line winds gusted to 67 knots (77 mph), and one F3 tornado, pictured below, also occurred on the afternoon and evening of the 2nd.

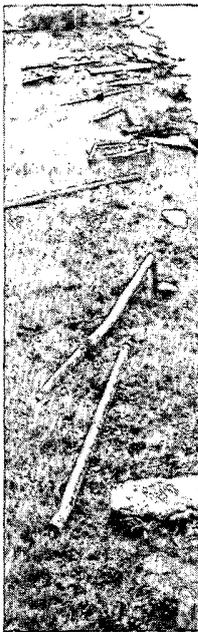
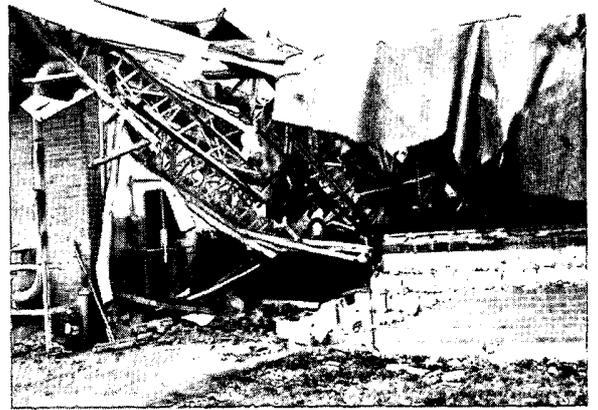


**Above(left):** The condensed funnel emerges from the wall cloud two miles north of Collinsville, Oklahoma. **Above(middle):** The funnel cloud is fully formed and continues to evolve into a tornado **above(right)**. **Below(left):** A debris cloud is visible as the tornado touches the ground at 1720 CST. At this point, the tornado is 100 yards wide and F0 (40-72 mph) in intensity. Moments later, **Below(middle)**, the tornado intensifies to an F3 (158-206 mph) tornado, as it destroys two mobile homes, and damages 12 frame houses. Only one minor injury was reported. **Below(right):** The tornado slowly dissipates after a four mile trek. (All photographs courtesy of Terry Kern, Boulder, Colorado.)



## B. JULY 12

A massive outbreak of severe thunderstorms struck Ohio July 12th through the 14th. The first and most destructive day of the three day event produced 28 tornadoes (5 F0's, 11 F1's, 10 F2's, and 2 F3's). Fortunately, there was no loss of life, however 36 injuries were reported with the tornadoes. Numerous homes and buildings were destroyed or damaged. Estimated damage totaled near \$30 million. The three day event recorded 40 tornadoes (12 F0's, 15 F1's, 11 F2's, 2 F3's) with 36 tornado related injuries; 8 injuries due to lightning, and 2 injuries related to thunderstorms winds.

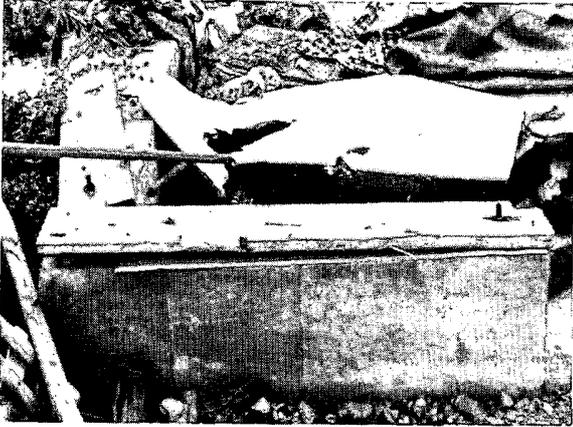
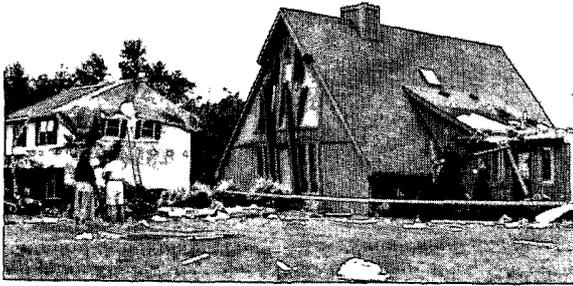


**Top(left):** View looking west toward the front of Anthony Wayne High School. **Top(right):** View looking east towards the back of the High School. **Left:** Photograph shows the remains of a chain link fence. **Right:** Photograph shows the back of the High School and part of the chain link fence. **Below(left):** As the tornado moved eastward toward the tennis courts (background), it left debris from the school. **Below(right):** This home located 1 mile south-southeast of the High School was also damaged by the tornado. (Photo courtesy: Brad Harold, Toledo, Ohio.)



The photographs on this page and on page 10 are from the same F2 intensity tornado as it moved from Whitehouse to three miles south of Perrysburg. The tornado lasted for twenty minutes, traveled 7 miles, and had a path width of 200 yards.





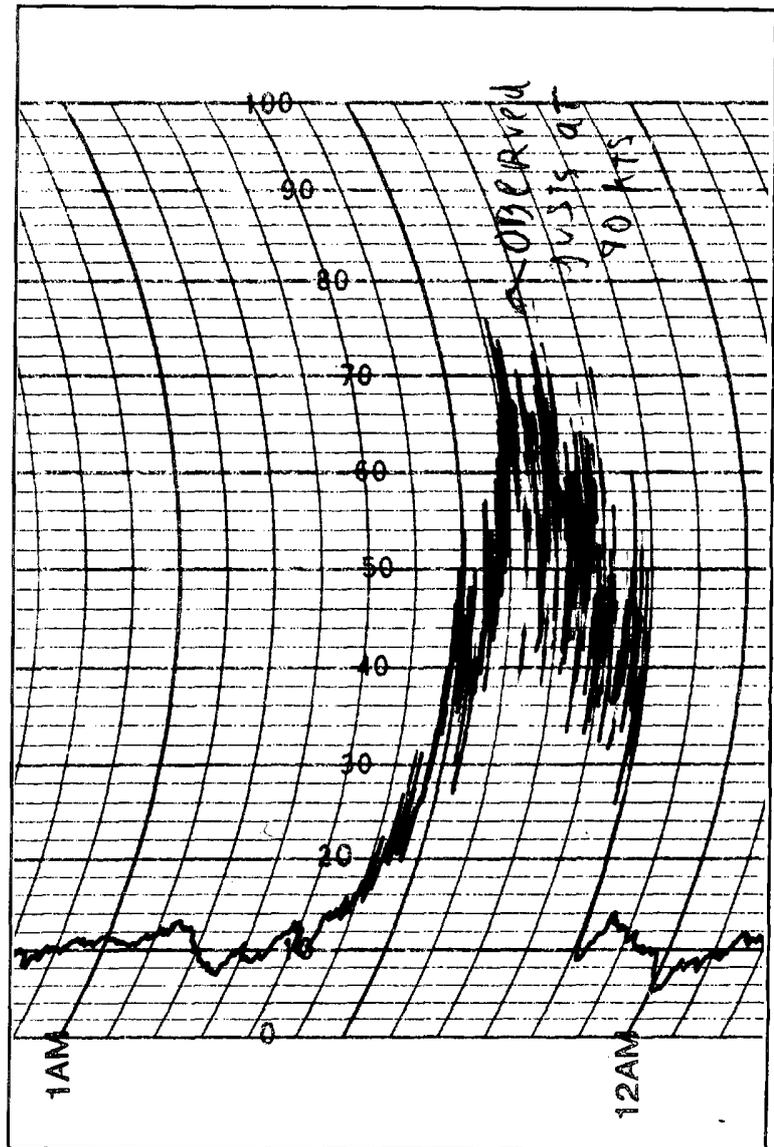
The F2 tornado moved eastward, left(top), striking this house and causing heavy damage. Right: A side view of the bulge on the front wall of the A-frame house. The house was later condemned. Left(bottom): A close-up view of the foundation where the garage wall was attached. The house was located on River Road near the Maumee River. (Photo courtesy: Brad Herold, Toledo, Ohio.)



## 2. DOWNBURST HITS CONCORDIA KANSAS

A severe thunderstorm struck the Concordia Airport with severe downburst winds on July 8. The highest observed gust at the airport was 90 knots (104 mph)! Due to the strong winds, six people were injured at the airport. Winds from the downburst event were felt over several counties east of the airport. Sample peak wind gust were: Clifton (Clay County, 20 miles due east of Concordia) measured 70 knots (81 mph); Linn (Washington County, 25 miles northeast of Concordia) observed a wind gust to 52 knots (60 mph); and Hiawatha (Brown County, 115 miles east-northeast of Concordia) observed winds gusting to 66 knots (76 mph)! The high winds downed power lines, uprooted trees, and destroyed homes and buildings. Damage was estimated at over \$25 million. The damage path across Cloud County (Concordia) was 12 miles wide and 25 miles long.

Wind gust chart, right, was recorded at the Concordia National Weather Service Office. The wind chart is calibrated in knots. Time reference is Central Standard Time (CST). The maximum gust indicated on the chart is 78 knots at 00:19 (CST). Note the observer's comment that a 90 knot wind speed was observed for the same gust on the wind speed (dial) indicator that responds more accurately to very short duration gusts.



Wind chart courtesy of National Climatic Data Center

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>ALABAMA</b>									
Russell County	01	1250CST			0	0	?	0	Thunderstorm Winds
									Thunderstorm winds knocked down trees and power lines in the Phenix City area.
Dale County	01	1335CST			0	0	?	0	Thunderstorm Winds
									Trees were blown down in the eastern part of the county.
Dale County	01	1345CST			0	0	?	?	Thunderstorm Winds
									Trees were blown onto power lines and houses in the Newton vicinity.
Henry County	01	1400CST			0	0	?	?	Thunderstorm Winds
									Trees were blown down and houses damaged in the Headland vicinity.
Dallas County	01	1815CST	0.3	10	0	0	?	?	Tornado (F0)
									A small tornado touched down briefly 4 to 5 miles east of Stafford. As the tornado moved east a short distance, one tree was uprooted and several large limbs were blown down.
Madison County	03	0515CST- 0525CST			0	0	?	?	Thunderstorm Winds
									Trees and power lines were blown down in the Meridianville area around 0515 CST and in the Gurly area around 0525 CST causing power outages at both locations.
Tuscaloosa County	03	1100CST- 1133CST			0	0	?	?	Thunderstorm Winds
									At 1100 CST, trees and power lines were blown down in southern Tuscaloosa County. At 1133 CST, numerous trees and power lines were blown down at scattered locations across the county.
Bibb County	03	1130CST			0	0	?	?	Thunderstorm Winds
									Wind gusts around 55 mph were recorded at the National Weather Service Office in Centreville. Tree limbs and power lines were blown down in the same area.
Chilton County	03	1153CST			0	0	?	?	Thunderstorm Winds
									Two trees were blown down in the Collins Chapel area.
Autauga County	03	1250CST- 1255CST			0	0	?	?	Thunderstorm Winds
									At 1250 CST, trees were blown onto a highway in the White Water vicinity. At 1255 CST, trees were blown down in the Autaugaville area.
Montgomery County	03	1330CST			0	0	0	0	Thunderstorm Winds
	03	1335CST			0	0	0	0	Thunderstorm Winds
	03	1350CST			0	0	0	0	Thunderstorm Winds
									At 1330 CST, trees were blown down in the Ada vicinity. At 1335 CST, trees were blown onto a road in the Davenport area. At 1350 CST, trees were blown down in the Ramer vicinity.
Macon County	03	1355CST			0	0	0	0	Thunderstorm Winds
									Trees and power lines were blown down in the Tuskegee vicinity resulting in power outages.
Bullock County	03	1425CST			0	0	0	0	Thunderstorm Winds
									Winds caused a power outage in southern Bullock County.
Mobile County	03	1435CST			0	0	?	?	Thunderstorm Winds
	03	1435CST			0	0	?	?	Lightning
									Trees and power lines were blown down across a road about 5 miles southeast of the Mobile Airport. Also a residence was set on fire by lightning about 5 miles south of the Mobile Airport.
Mobile County	03	1445CST			0	0	?	?	Funnel Cloud
	03	1445CST			0	0	?	?	Hail (0.75)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>ALABAMA Cont'd</b>									
			A funnel cloud was seen and dime-size hail fell about 7 miles southeast of the Mobile Airport.						
Fayette County	05	1100CST			0	0	?	?	Thunderstorm Winds
			Numerous trees and power lines were blown down at scattered locations.						
Marion County	05	1115CST			0	0	?	?	Thunderstorm Winds
			Trees were blown down in the Windfield vicinity.						
Tuscaloosa County	05	1135CST			0	0	?	?	Thunderstorm Winds
			Trees and power lines were blown down in the Carols Creek area.						
Lawrence County	05	1200CST			0	0	?	?	Thunderstorm Winds
			Numerous trees and power lines were blown down at scattered locations. One tree fell onto power lines and caused a house fire. Another tree fell on a structure in the Moulton vicinity. Winds were estimated at 60 mph by the Emergency Management Agency.						
Madison County	05	1212CST			0	0	?	?	Thunderstorm Winds
			Winds gusted to 58 mph at the National Weather Service Office in Huntsville.						
Bibb County	05	1215CST			0	0	?	?	Thunderstorm Winds
			Numerous trees and power lines were blown down at scattered locations.						
Madison County	05	1215CST			0	0	?	?	Thunderstorm Winds
			Trees were blown down on County Line Road, between Madison and Limestone Counties.						
Cullman County	05	1215CST			0	1	?	?	Thunderstorm Winds
	05	1220CST			0	0	?	?	Thunderstorm Winds
			At 1215 CST, a floating canopy on Smith Lake was overturned injuring one person. At 1220 CST, numerous trees were blown down and several buildings damaged at scattered locations.						
Lauderdale County	05	1217CST			0	0	4	?	Thunderstorm Winds
			Numerous trees and power lines were blown down in scattered locations. A mobile home was destroyed near the Powell Community.						
Morgan County	05	1220CST			0	0	?	?	Thunderstorm Winds
			Numerous trees were blown down at scattered locations in Decatur. Two trees were were blown onto a house and garage.						
Shelby County	05	1220CST			0	0	?	?	Thunderstorm Winds
			Several trees were blown down in the Pelham vicinity. Winds were estimated at over 55 mph in the Helena area.						
Jefferson County	05	1225CST			0	0	?	?	Thunderstorm Winds
			Trees were blown down in the Warrior vicinity. At the same time storm spotters estimated winds at 65 mph in Vestavia Hills.						
Madison County	05	1230CST			0	0	?	?	Thunderstorm Winds
			Several large trees were blown down in Huntsville, as well as scattered locations across the county.						
Cullman County	05	1230CST			1	1	?	?	Thunderstorm Winds
			A brick wall collapsed onto a car in Cullman injuring two women. One woman died a few days later at a hospital. (F270)						
Jefferson County	05	1235CST			0	0	?	?	Thunderstorm Winds
			Numerous trees and power lines were blown down in the Birmingham area. At the same time power lines were blown down in Bessemer.						

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>ALABAMA Cont'd</b>									
Shelby County	05	1240CST			0	0	?	?	<b>Thunderstorm Winds</b> A large tree was blown down causing roof damage to a structure in the Pelham area.
Marshall County	05	1300CST			0	0	?	?	<b>Thunderstorm Winds</b> Thunderstorm winds reached 75 mph at the Albertville Airport.
Chilton County	05	1310CST			0	0	?	?	<b>Thunderstorm Winds</b> Power lines were blown down in the Maplesville vicinity.
Jackson County	05	1314CST			0	0	?	?	<b>Thunderstorm Winds</b> Wind was estimated at 60 to 70 mph at Nat Mountain in the Paint Rock vicinity. Widespread wind damage, mainly trees, was reported across the county.
Saint Clair County	05	1315CST			0	0	?	?	<b>Thunderstorm Winds</b> Numerous trees and power lines were blown down at scattered locations.
Talladega County	05	1320CST			0	0	?	?	<b>Thunderstorm Winds</b> Numerous trees and power lines were blown down at scattered locations across the county.
Marshall County	05	1330CST			0	0	?	?	<b>Thunderstorm Winds</b> A large tree was blown onto power lines, and trees blocked a highway in the High Point vicinity.
Clay County	05	1340CST			0	0	?	?	<b>Thunderstorm Winds</b> Winds were estimated at 60 mph in the Ashland vicinity.
Calhoun County	05	1345CST			0	0	?	?	<b>Thunderstorm Winds</b> Several trees and power lines were blown down in Anniston.
Elmore County	05	1430CST			0	0	?	?	<b>Thunderstorm Winds</b> Numerous trees were blown onto a highway in the Wetumpka vicinity.
Chambers County	05	1453CST			0	0	?	?	<b>Thunderstorm Winds</b> Trees and power lines were blown onto a highway in the Lafayette vicinity.
Dallas County	05	1453CST			0	0	?	?	<b>Thunderstorm Winds</b> Numerous trees and power lines were blown down in the Selma vicinity resulting in power outages.
Dallas County	05	1530CST			0	0	?	?	<b>Thunderstorm Winds</b> Numerous trees were blown down in the Orrville vicinity.
Montgomery County	05	1540CST			0	0	?	?	<b>Thunderstorm Winds</b> Trees were blown down in the Grady and Ramer areas.
Pike County	05	1640CST			0	0	?	?	<b>Thunderstorm Winds</b> Trees and power lines were blown down in the Needmore vicinity.
Walker County	06	2330CST			0	0	?	?	<b>Thunderstorm Winds</b> Trees were blown down in the Manchester vicinity.
Mobile County	08 08	1547CST 1550CST			0 0	0 0	? ?	? ?	<b>Thunderstorm Winds</b> <b>Hail (1.00)</b> At 1547 CST, winds gusted to 64 mph at the Mobile Airport. As a result, a building at the airport lost a portion of its roof. At 1550 CST, hail up to 1.00 inch in diameter fell 1 mile south of the Mobile Airport.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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## ALABAMA Cont'd

Conecuh County	09	1624CST			0 0	3 0	Thunderstorm Winds
	09	1645CST			0 0	? 0	Thunderstorm Winds
At 1624 CST, numerous trees and power lines were blown down in the Castleberry vicinity. One house was damaged by a downed tree. At 1645 CST, a tree was downed across a highway in the Evergreen vicinity.							
Crenshaw County	09	1825CST			0 0	? ?	Hail (0.75)
	09	1830CST			0 0	? 0	Thunderstorm Winds
Dime-size hail fell in the Petry vicinity at 1825 CST. At 1830 CST, trees and power lines were blown down in the Fullers Crossroads vicinity.							
Pike County	09	1900CST			0 0	? 0	Thunderstorm Winds
	09	1915CST			0 0	? 0	Thunderstorm Winds
At 1900 CST, power lines were blown down in Henderson. At 1915 CST, five chicken barns, and one mobile home were damaged, as well as trees and power lines in the Troy vicinity.							
Mobile County	15	1910CST			0 0	? ?	Flash Flood
Carol Plantation Road was flooded by heavy rain. A number of automobiles were reported stalled.							
Baldwin County	16	1512CST			0 0	3 ?	Thunderstorm Winds
Large tree limbs and several trees were blown down. Also part of a tin roof was blown off of a barn.							
Sumter County	16	1832CST			0 0	? 0	Thunderstorm Winds
Numerous large oak trees were blown down in the York vicinity.							
Etowah County	17	1630CST			0 0	? ?	Thunderstorm Winds
Numerous trees were blown down in scattered locations across the county. Also several large trees were blown onto two homes in Gadsden. Some trees fell onto homes and cars in the Hokes Bluff vicinity.							
Montgomery County	20	2128CST			0 0	? 0	Flash Flood
A slow moving thunderstorm over Montgomery resulted in street flooding.							
Shelby County	21	1330CST			0 0	? ?	Hail (0.75)
Dime-size hail fell in the Pelham area.							
Montgomery County	21	2240CST			0 0	? ?	Flash Flood
A street was under two feet of water. The roof of a grocery store caved in under the weight of the excessive water. Also flooding occurred in a large mall.							
Jefferson County	22	1630CST			0 0	0 0	Flash Flood
County roads in the vicinity of Oak Grove and Concord were flooded.							
Mobile County	31	1600CST			0 0	0 0	Thunderstorm Winds
A large tree was blown down across the intersection of Magnolia Road and Cottage Hill Road in Mobile. Also large limbs were blown down in other locations across the Mobile area.							

## ARIZONA

Pima County Tucson	06	1800MST	2.8	10	0 1	6 0	Tornado (F1)
Thunderstorms developed in eastern Pima County and moved to the northwest. Trees, power poles and power lines were downed. In one area, a total of 58 power poles were down, a few were pulled from the ground. A mobile home was picked up off its foundation and laid on top of a car next door. Winds damaged at least one aircraft at Tucson International Airport. Many other buildings and homes in the southwestern part of the city were damaged or destroyed.							

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>ARIZONA Cont'd</b>									
<b>Cochise County</b>									
Douglas	07	2200MST			0	0	0	0	Thunderstorm Winds
Gray Mountain	08	1744MST			0	0	0	0	Thunderstorm Winds
Sierra Vista	08	2100MST			0	0	0	0	Thunderstorm Winds (G53)
Winds reached a peak of 61 mph at Fort Huachuca.									
<b>Graham County</b>									
Safford	10	1300MST			0	0	5	0	Thunderstorm Winds
Winds up to about 60 mph blew down two hangars and overturned two aircraft at the Safford Municipal Airport.									
<b>Santa Cruz County</b>									
Madera Canyon	10	1400MST			0	0	0	0	Flash Flood
U.S. Forest service reported flooding in the canyon and in the washes on the Santa Rita Experimental Range on the Pima County line.									
<b>Pima County</b>									
15 S Tucson	10	1420MST			0	0	3	0	Thunderstorm Winds
The roof of a mobile home was blown off on Interstate 19.									
<b>Maricopa County</b>									
Tempe Phoenix	10	2000MST			0	0	?	0	Thunderstorm Winds
High winds and heavy rains hit much of the east valley area and uprooted several trees and blew over street signs. The Valley's first big storm of the season left about 11,000 residents without power.									
<b>Pima County</b>									
Tucson	22	1445MST			0	0	4	0	Thunderstorm Winds Funnel Cloud
Trees and power lines were downed by high winds and heavy rain. About 400 businesses and homes were left without power. The Drexel Heights Fire Department reported a funnel cloud near the south side of the Tucson International Airport.									
<b>Maricopa County</b>									
Phoenix	24	0400MST			0	0	6	?	Flash Flood
Very heavy rains associated with slow-moving thunderstorms flooded many home and businesses. Flood damage was reported in 8 units at 65th and Montebello, as well as many other motels. Streets and highways became flooded, stranding many motorists. Power outages left about 14,000 customers without electricity. Rainfall amounts of two to four inches were common, with one location, 27th and Camelback, having 6.25 inches since late on the 23rd. The heavy rainfall collapsed a portion of the roof at a Levitz furniture store, and was partially blamed for the death of a motorcyclist. A truck driver was injured after his truck nose-dived into a washed-out street as the road collapsed beneath the truck.									
<b>Coconino County</b>									
Havasupai	24	1725MST			0	0	4	3	Flash Flood
A pilot reported watching a flash flood move through this small and remote community near the Grand Canyon. In the village, foundations of several homes were destroyed. Crops were also damaged.									
<b>Yavapai County</b>									
Sedona	25	1600MST			0	0	4	0	Flash Flood
Homes and businesses flooded. The Sedona airport recorded 1.39-inch rainfall in about 30 minutes.									
<b>Navajo County</b>									
Holbrook	25	1627MST			0	0	0	0	Flash Flood
Sheriffs office reported water in the streets running like a river. About one inch of rain fell in only 45 minutes.									

# Storm Data and Unusual Weather Phenomena

July 1992

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

## ARIZONA Cont'd

### Maricopa County N Phoenix

28 1855MST 0 0 ? 0 Thunderstorm Winds

Winds reported to be 57 mph near 29th Avenue and Union Hills. The winds caused a massive dust storm with visibility below 1 mile. Deer Valley airport had winds of 52 mph.

10 N Phoenix 29 1933MST 0 0 4 0 Thunderstorm Winds (G54)  
Flash Flood

Two lines or clusters of intense thunderstorms merged over the East Valley during the evening, producing high winds and heavy rain. Downburst winds were measured at 62 mph in North Phoenix. Heavy rains resulted in many flooded streets and intersections.

Goodyear 29 2040MST 0 0 0 0 Thunderstorm Winds (G52)

Sixty-mph winds recorded at the airport.

Chandler 29 2204MST 0 0 4 ? Thunderstorm Winds  
Lightning

High winds downed trees and power lines. Lightning struck at least one home and caused an extensive fire. Heavy rains resulted in widespread street flooding around the eastern portions of the greater Phoenix metro area.

### Pima County E Tucson

29 2125MST 0 0 2 0 Flash Flood

Sabino Creek flooded and Snyder Road washed out between Kolb and Sabino Canyon. River Road east of Craycroft flooded. Roads and streams near Swan and Glenn flooded.

### Graham County Pima

30 2000MST 0 0 3 ? Thunderstorm Winds

Sheriffs office in Safford reported power poles down because of high winds and torrential rains near Pima.

## ARKANSAS

### Benton County Cave Springs Rogers

02 2008CST 0 0 0 0 Thunderstorm Winds (G43)  
02 2008CST 0 0 3 0 Thunderstorm Winds

Thunderstorm winds downed several trees and power lines.

### Washington County Tontitown Springdale Springdale

02 2012CST 0 0 0 0 Thunderstorm Winds (G48)  
02 2015CST 0 0 0 0 Thunderstorm Winds (G48)  
02 2015CST 0 0 3 0 Thunderstorm Winds

Thunderstorm winds blew down several trees and power lines.

### Washington County Fayetteville

02 2020CST 0 0 5 0 Thunderstorm Winds

Thunderstorm winds blew off half of the roof of a car dealership.

### Washington County Fayetteville Carroll County Eureka Springs

02 2023CST 0 0 0 0 Thunderstorm Winds (G55)  
02 2030CST 0 0 2 0 Thunderstorm Winds (G39)

Thunderstorm winds downed a few tree limbs.

### Carroll County Berryville

02 2040CST 0 0 3 0 Thunderstorm Winds

Thunderstorm winds downed several trees.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>ARKANSAS Cont'd</b>									
Green Forest	02	2045CST			0	0	3	0	Thunderstorm Winds Thunderstorm winds blew down several trees and power lines.
Madison County 2 SW Huntsville	02	2045CST			0	0	3	0	Thunderstorm Winds Thunderstorm winds blew down several trees onto Highway 74.
St. Paul	02	2110CST			0	0	2	0	Thunderstorm Winds Thunderstorm winds downed a few trees.
Boone County Harrison	02	2110CST			0	0	3	0	Thunderstorm Winds Thunderstorm winds blew down several trees.
Gaither	02	2110CST			0	0	2	0	Thunderstorm Winds Thunderstorm winds knocked down a few trees.
Boone County Omaha	02	2112CST			0	0	2	0	Thunderstorm Winds Thunderstorm winds downed a few trees.
Marion County 3 N Flippin	02	2130CST			0	0	4	0	Thunderstorm Winds Thunderstorm winds downed numerous trees and power lines.
4 N Yellville	02	2130CST			0	0	4	0	Thunderstorm Winds Thunderstorm winds knocked down numerous trees and power lines.
Pyatt	02	2130CST			0	0	4	0	Thunderstorm Winds Numerous trees and power lines were blown down by thunderstorm winds.
Newton County Jasper	02	2130CST			0	0	3	0	Thunderstorm Winds Thunderstorm winds downed several trees.
Crawford County Uniontown	02	2205CST			0	0	3	0	Thunderstorm Winds (G52) Thunderstorm winds downed several trees.
Searcy County 3 NE St. Joe	02	2215CST			0	0	2	0	Thunderstorm Winds Thunderstorm winds downed a few trees.
Crawford County Van Buren	02	2228CST			0	0	0	0	Hail (0.75)
Baxter County Gassville	02	2230CST			0	0	3	0	Thunderstorm Winds Thunderstorm winds downed several trees.
Sebastian County Fort Smith	02	2236CST			0	0	4	0	Thunderstorm Winds (G59) Thunderstorm winds knocked down numerous trees around the National Weather Service Office in Fort Smith.
Franklin County 4 NW Ozark	02	2300CST			0	0	3	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
Thunderstorm winds downed several trees, blocking a portion of Highway 23.									
Pope County 3 NE Russell- ville	03	0000CST			0	0	3	0	Thunderstorm Winds
Thunderstorm winds downed several trees.									
Sebastian County Greenwood	03	0005CST			0	0	2	0	Thunderstorm Winds
Thunderstorm winds downed a few trees.									
Polk County 3 SW Rich Mountain	03	0020CST			0	0	0	0	Thunderstorm Winds (G48)
Scott County Waldron	03	0054CST			0	0	0	0	Hail (0.75)
Waldron	03	0054CST			0	0	3	0	Thunderstorm Winds (G52)
Thunderstorm winds blew down several trees.									
Sevier County 2 S Gillham	03	0055CST			0	0	2	0	Thunderstorm Winds
Thunderstorm winds downed a few trees.									
Howard County 8 W Athens	03	0120CST			0	0	0	0	Thunderstorm Winds (G48)
2 N Umpire	03	0120CST			0	0	0	0	Hail (1.00)
Pike County 5 W Kirby	03	0147CST			0	0	3	0	Thunderstorm Winds
Thunderstorm winds blew down several trees.									
Saline County Benton	04	0200CST			0	0	4	0	Lightning
Lightning struck a home, damaging its electrical equipment and causing a natural gas leak.									
Newton County Mt. Judea	04	1145CST			0	0	3	0	Thunderstorm Winds
Thunderstorm winds blew down several trees and power lines.									
Marion County Bull Shoals	04	1300CST			0	0	0	0	Hail (0.75)
Bull Shoals	04	1300CST			0	0	2	0	Thunderstorm Winds
Thunderstorm winds knocked down a few trees.									
Baxter County Lakeview	04	1315CST			0	0	0	0	Hail (0.75)
Midway	04	1315CST			0	0	0	0	Hail (0.75)
Gassville	04	1620CST			0	0	0	0	Hail (0.75)
Mountain Home	04	1625CST			0	0	0	0	Hail (0.75)
Marion County Flippin	04	1625CST							Funnel Cloud
A funnel cloud was spotted by a HAM Radio operator.									
Baxter County Midway	04	1635CST			0	0	0	0	Hail (0.75)
Izard County Dolph	04	1745CST			0	0	3	0	Thunderstorm Winds
Thunderstorm winds blew down a few trees and power lines.									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>ARKANSAS Cont'd</b>									
Lawrence County Walnut Ridge	04	1830CST			0	0	2	0	Thunderstorm Winds (G39)
									Thunderstorm winds downed a few trees.
Craighead County Jonesboro	04	1908CST			0	0	4	0	Thunderstorm Winds (G50)
									Thunderstorm winds blew down numerous trees and power lines in the Jonesboro area.
Bono	04	1920CST			0	0	5	0	Thunderstorm Winds
									Thunderstorm winds damaged a number of roofs, blew over an outdoor shed and knocked down numerous trees and power lines.
Greene County Paragould	04	1930CST			0	0	0	0	Hail (2.00)
Carroll County Oak Grove	04	2045CST			0	0	2	0	Thunderstorm Winds
									Thunderstorm winds downed a few trees.
Boone County Diamond City	04	2100CST			0	0	2	0	Thunderstorm Winds
									A few trees were blown down by thunderstorm winds.
Diamond City	04	2100CST			0	0	0	0	Hail (0.88)
Lawrence County Walnut Ridge	05	1730CST			0	0	0	0	Hail (1.75)
Craighead County 3 NE Bono	05	1758CST			0	0	0	0	Hail (1.00)
Greene County 1 NE Walcott	05	1758CST			0	0	0	0	Hail (1.00)
Paragould	05	1824CST			0	0	0	0	Hail (1.75)
Clay County Corning	06	0223CST- 0530CST			0	0	5	0	Flash Flood
									Heavy rains caused flash flooding in Corning. Several roads were impassable and most of the gravel roads in town were under water.
Mississippi County Dyess	06	0345CST			0	0	3	0	Thunderstorm Winds
									Thunderstorm winds knocked down several power lines.
Leachville	06	0350CST			0	0	3	0	Thunderstorm Winds
									Several trees and power lines were blown down by thunderstorm winds.
Pulaski County Little Rock	12	1215CST			1	0	0	0	Heat
									An infant was found dead in his bed inside a mobile home that did not have electricity. The temperature inside the mobile home was 92 degrees. (M01M)
Pike County 2 N Roy	14	1630CST			0	0	0	0	Hail (1.50)
Hempstead County Doyle	14	1639CST			0	0	0	0	Hail (1.00)
Pike County 8 W Antoine	14	1640CST			0	0	3	0	Thunderstorm Winds
									Thunderstorm winds blew down several trees.
Delight	14	1640CST			0	0	3	0	Thunderstorm Winds
									Several trees were knocked down by thunderstorm winds.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>ARKANSAS Cont'd</b>									
Sevier County 3 E Lockesburg	14	1642CST			0	0	0	0	Hail (1.00)
Howard County Bluff Springs	14	1650CST			0	0	0	0	Hail (1.50)
3 E Shiloh	14	1653CST			0	0	3	0	Thunderstorm Winds
Thunderstorm winds blew down several trees.									
Nevada County 4 N Bluff City	14	1842CST			0	0	0	0	Hail (1.75)
Clark County Gurdon	14	1845CST			0	0	3	0	Thunderstorm Winds
Thunderstorm winds blew down a large tree, which knocked down several power lines.									
Pulaski County 20 W Little Rock	15	1530CST			0	0	0	0	Hail (0.75)
Perry County Pleasant Valley	15	1530CST			0	0	2	0	Thunderstorm Winds
Thunderstorm winds downed a few trees.									
Faulkner County Lake Conway	15	1540CST			0	0	0	0	Hail (0.75)
Pulaski County Pinnacle	15	1545CST			0	0	3	0	Thunderstorm Winds
Thunderstorm winds blew down several trees and power lines.									
White County Pangburn	15	1630CST			0	0	4	0	Thunderstorm Winds
Thunderstorm winds downed numerous trees and power lines.									
Lonoke County England	15	1710CST			0	0	3	0	Thunderstorm Winds
Several trees and power lines were knocked down by thunderstorm winds.									
Pulaski County Little Rock	15	1712CST- 1900CST			0	0	4	0	Flash Flood
Several roads around the Little Rock area were closed due to flash flooding. Several streets were impassable for a short period of time.									
Boone County 5 N Harrison	15	1825CST			0	0	0	0	Hail (1.75)
5 N Harrison	15	1910CST			0	0	0	0	Hail (1.50)
Monroe County 3 S Holly Grove	15	1913CST			0	0	4	0	Thunderstorm Winds
Thunderstorm winds damaged a cotton gin and knocked down several trees.									
Boone County Alpena	15	1940CST			0	0	0	0	Hail (1.75)
Benton County Bella Vista	16	0615CST			0	0	3	0	Lightning
Lightning struck a storage shed. The resulting fire spread from the shed into the attic of an adjoining home.									
Hot Spring County Malvern	16	1410CST			0	0	4	0	Thunderstorm Winds
Thunderstorm winds caused minor damage to a business.									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>ARKANSAS Cont'd</b>									
Grant County Poyen	16	1440CST			0	0	2	0	Thunderstorm Winds (G52)
									Thunderstorm winds blew down a few trees.
Prattsville	16	1440CST			0	0	3	0	Thunderstorm Winds (G52)
									Thunderstorm winds knocked down several trees.
Saline County Benton	16	1445CST			0	0	4	0	Thunderstorm Winds
									Thunderstorm winds blew down several trees and power poles at a baseball park.
Ouachita County Bearden	16	1508CST			0	0	2	0	Thunderstorm Winds
									Thunderstorm winds downed a few trees.
Calhoun County Hampton	16	1510CST			0	0	0	0	Hail (0.88)
Pulaski County 2 W Little Rock	16	1515CST			0	0	3	0	Thunderstorm Winds
									Thunderstorm winds knocked down several power lines.
Calhoun County 4 SW Thornton	16	1520CST			0	0	3	0	Thunderstorm Winds
									Thunderstorm winds blew down several trees and power lines.
Dallas County Fordyce	16	1520CST			0	0	3	0	Thunderstorm Winds
									Several trees and power lines were blown down by thunderstorm winds.
Jefferson County Hardin	16	1525CST			0	0	3	0	Thunderstorm Winds
									Thunderstorm winds knocked down a few trees and power lines.
Randolph County 3 N Pocahontas	16	1600CST			0	0	4	0	Thunderstorm Winds
									Several roofs were blown off homes by thunderstorm winds, and several trees were also knocked down.
Craighead County Bono	16	1620CST			0	0	4	0	Thunderstorm Winds (G35)
									Thunderstorm winds caused minor roof damage to a few homes, and also knocked down some power lines.
Union County Huttig	16	1745CST			0	0	3	0	Thunderstorm Winds
									Thunderstorm winds blew down several trees and power lines.
Little River County Millwood Lake	17	0300CST- 0500CST			0	0	3	0	Flash Flood
									Heavy rains caused flash flooding near Millwood Lake. A few roads were under water.
Sevier County Falls Chapel	17	0300CST- 0500CST			0	0	4	0	Flash Flood
									Thunderstorms produced flash flooding in Falls Chapel. Several roads were covered by water for a short period of time.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>ARKANSAS Cont'd</b>									
Lafayette County Lewisville	19	1645CST			0	0	3	0	Thunderstorm Winds (G43)
									Thunderstorm winds blew down trees and power lines.
2 W Stamps	19	1712CST			0	0	0	0	Hail (1.00)
Columbia County 5 NW Waldo	19	1720CST			0	0	0	0	Hail (0.88)
5 NW Waldo	19	1720CST			0	0	3	0	Thunderstorm Winds
									Several trees were blown down 5 miles northwest of Waldo.
Little River County Foreman	19	1920CST			0	0	0	0	Thunderstorm Winds (G39)
Independence County Cord	20	1400CST			0	0	4	0	Lightning
									Lightning sparked a fire at a home, destroying one end of the house.
Sebastian County Fort Smith	20	2005CST			0	0	5	0	Lightning
									Lightning struck a storage building at a waste paper company. The resulting fire destroyed the building and its contents.
Arkansas County Stuttgart	21	1305CST							Funnel Cloud
									A funnel cloud was observed by the public.
Pulaski County N. Little Rock	21	1614CST			0	0	4	0	Thunderstorm Winds (G37)
									Thunderstorm winds tore an awning off the radar trailer at the National Weather Service Office. Some sheet metal was blown off the operations trailer.
Nevada County Bodcaw	22	1320CST			0	0	4	0	Thunderstorm Winds
									Numerous trees were knocked down.
5 W Rosston	22	1320CST			0	0	4	0	Thunderstorm Winds
									Thunderstorm winds blew down numerous trees.
Pulaski County N Little Rock	26	0900CST			0	1	0	0	Heat
									A 2-year-old girl was hospitalized after suffering convulsions. The temperature inside the apartment where the child was found was more than 100 degrees.
Benton County Bentonville	26	1615CST			0	0	3	0	Thunderstorm Winds
									Several trees and power lines were blown down.
Carroll County Holiday Island	26	1625CST			0	0	3	0	Thunderstorm Winds
									Thunderstorm winds knocked down several trees.
Benton County Rogers	26	1645CST			0	0	4	0	Lightning
									Lightning strikes damaged five houses.
Boone County Lead Hill	26	1710CST			0	0	3	0	Thunderstorm Winds
									Thunderstorm winds blew down numerous trees.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>ARKANSAS Cont'd</b>									
8 NE Harrison	26	1725CST			0	0	2	0	Thunderstorm Winds
									A few trees were knocked down by strong thunderstorm winds.
Harrison	26	1725CST			0	0	3	0	Thunderstorm Winds
									Thunderstorm winds blew down some power lines.
Harmon	26	1730CST			0	0	2	0	Thunderstorm Winds
									A few trees were knocked down.
Marion County Flippin	26	1745CST			0	0	3	0	Thunderstorm Winds
									Thunderstorm winds blew down several trees and power lines.
Washington County Springdale	26	1830CST			0	0	3	0	Lightning
									Lightning damaged a roof at a residence.
Johnson County Hagarville	26	1956CST			0	0	2	0	Thunderstorm Winds
									Thunderstorm winds blew down a couple of trees.
St. Francis County 1 W Hughes	29	1330CST- 1335CST	0.3	50	0	0	5	0	Tornado (F1)
									An F1 tornado touched down briefly just west of Hughes. A considerable amount of damage was confined to a small area. Numerous trees were blown down, several cotton trailers were overturned, numerous car windshields were broken, several homes received structural damage and a utility shed was destroyed. A large combine was moved about 4 feet and a pick-up truck was picked up off the ground and moved 25 feet.
<b>CALIFORNIA, Northern</b>									
Madera County Oakhurst	12	0130PDT			0	0	6	0	Flash Flood
									The remnants of Hurricane Darby produced heavy rainfall into the Sierra Nevada. Rain amount measuring two and half to three inches fell on a recently burned area above the town of Oakhurst. Flooding down Oakhurst's main street caused damage to cars, homes and businesses. Two feet of water was reported in some homes.
Mono County Tioga Pass Conway Summit	12	0830PDT			0	0	0	0	Flash Flood
									Continuing rains led to flash flooding, rock slides and mud slides at high elevations. Roads across mountain passes were closed.
Fresno County Coalinga	12	1220PDT			0	0	0	0	Funnel Cloud
									A storm spotter reported several funnel clouds just to the northwest of Coalinga.
Mono County Tioga Pass	14	1634PDT			0	0	0	0	Flash Flood
									More rains at high elevations led to the closure of Highway 120 at Tioga Pass. Mud slides and rock slides were again reported.
Shasta County Old Station	17	1826PDT			0	0	?	?	Hail (1.25)
									A thunderstorm was accompanied by strong winds and large hail.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## CALIFORNIA, Southern

CAZALL	07-12	All Day			0	0	?	0	Unseasonal Rains
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Tropical moisture associated with Tropical Storm Darby, that moved into southern California from off the coast of Baja California, brought scattered light showers to the area. The rainfall amounts ranged from a trace to 0.10 of an inch in the coastal areas and 0.25 to 0.75 of an inch in the mountains.

Inyo, Eastern Kern, and Northern San Bernardino Counties	12	1615PST			0	0	?	0	Thunderstorms Flash Flood
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Heavy thunderstorms in the Death Valley area caused some local flash flooding. At 1718 PST, park officials at Death Valley Ranger Station, reported flash flooding in the Immigrant Canyon and Wildrose area, south of State Route 190.

Inyo, Eastern Kern, and Northern San Bernardino Counties	13	1300PST			0	0	?	0	Thunderstorms Flash Flood
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Minor flash flooding was reported in the Furnace Creek area of Death Valley, at 1645 PST.

CAZ019	20	1348PST			0	0	?	0	High Winds
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Strong winds of 25 to 45 mph were reported over the Antelope Valley, in northern Los Angeles County.

Inyo, San Bernardino, Imperial, Riverside, and San Diego Counties	31	1335PST			0	0	?	0	Thunderstorms Flash Flood
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Strong thunderstorms hit many mountain and desert areas of southern California. Some minor flooding was reported in Beaumont, where 0.40 inches of rain fell in 6 minutes and 1.29 inches in 35 minutes. Yucca Valley had local street flooding. Red Mountain had 0.90 inches of rain in 25 minutes.

## COLORADO

Adams County 5 ESE Brighton	01	1642MST			0	0	?	?	Hail (0.75)
Arapahoe County Peoria	01	1649MST			0	0	?	?	Hail (2.00)
Byers	01	1650MST			0	0	?	?	Hail (2.00)
10 E Deer Trail	01	1655MST	Short	Narrow	0	0	?	?	Tornado (F0)
3 E Byers	01	1710MST			0	0	?	?	Hail (0.75)
2 E Deer Trail	01	1712MST			0	0	3	?	Hail (1.75)
2 NW Deer Trail	01	1719MST			0	0	?	?	Hail (1.00)
2 N Deer Trail	01	1727MST			0	0	?	?	Hail (0.75)
2 E Deer Trail	01	1728MST			0	0	?	?	Hail (0.88)
11 WSW Last Chance	01	1730MST			0	0	?	?	Hail (1.50)
7 W Last Chance	01	1735MST	Short	Narrow	0	0	?	?	Tornado (F0)
1 N Deer Trail	01	1742MST			0	0	?	?	Hail (1.50)
8 W Last Chance	01	1745MST			0	0	?	?	Hail (2.50)
Weld County 3 W Prospect Valley	01	1704MST			0	0	?	?	Hail (1.00)
Washington County 10 S Last Chance	01	1741MST-1811MST	Short	Narrow	0	0	?	?	Tornado (F0)
5 SE Lindon	01	1930MST			0	0	?	?	Hail (2.00)

Strong thunderstorms produced large hail and tornadoes in parts of eastern Adams, eastern Arapahoe and southwestern Washington Counties. Storm chasers from Colorado State University and from the National Center for Atmospheric Research spotted tornadoes in eastern Adams

# Storm Data and Unusual Weather Phenomena

July 1992

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

## COLORADO Cont'd

County. A third tornado was sighted south of Last Chance in Washington County, remaining on the ground for about 30 minutes but moving little. Hail up to 2.50-inch-diameter fell across the area. The State Patrol reported golf ball-size hail breaking windows of automobiles on Interstate 70 near Deer Trail.

<b>Eagle County</b>									
Eagle	01	1814MST			0	0	?	?	Thunderstorm Winds (G50)

A thunderstorm gust to 58 mph was recorded at Eagle.

<b>El Paso County</b>									
2 N Peyton	02	0955MST			0	0	?	?	Hail (1.75)
3 N Falcon	02	1006MST			0	0	?	?	Hail (0.75)
Peyton	02	1246MST			0	0	?	?	Hail (1.75)
5 N Falcon	02	1251MST			0	0	?	?	Hail (0.75)
5 E Falcon	02	1256MST			0	0	?	?	Hail (0.75)

Hail up to golf ball-size fell near Peyton.

<b>Sedgwick County</b>									
2 NW Sedgwick	04	1835MST			0	0	?	?	Hail (2.00)

A spotter reported 2.00-inch-diameter hail near Sedgwick.

<b>El Paso County</b>									
18 S Rush	08	1538MST	Short	Narrow	0	0	?	?	Tornado (F0)
18 S Yoder	08	1615MST			0	0	?	?	Thunderstorm Winds

A tornado touched down briefly south of Rush. A short time later, thunderstorm winds knocked down power poles and fences south of Yoder.

<b>Adams County</b>									
19 ENE Denver	10	1705MST			0	0	?	?	Hail (0.75)

Storm spotters reported 0.75-inch-diameter hail near the construction site of the new Denver International Airport.

<b>Morgan County</b>									
8 SW New Raymer	11	1750MST			0	0	?	?	Hail (0.75)
6 S New Raymer	11	1755MST			0	0	?	?	Hail (1.50)
6 S New Raymer	11	1755MST			0	0	?	3	Thunderstorm Winds (G52)

Thunderstorms produced hail up to walnut-size in northern Morgan County. Strong winds of 60 mph knocked over fields of sunflowers, which is a cash crop in northeastern Colorado.

<b>Lincoln County</b>									
4 S Limon	12	1730MST	Short	Narrow	0	0	3	?	Tornado (F0)
Limon	12	1744MST			0	0	?	?	Thunderstorm Winds (G58)

A small tornado overturned and damaged a camper-trailer and uprooted a large tree before lifting. Minor damage also occurred to a grain bin. Wind gusts to 67 mph occurred at Limon.

<b>Douglas County</b>									
4 E Castle Rock	15	1430MST			0	1	?	?	Lightning
14 S Denver	15	1510MST			0	2	?	?	Lightning
Franktown	15	1530MST			0	1	?	?	Lightning

Near Castle Rock, a man was struck by lightning while horseback riding. Two persons were struck by lightning near Highlands Ranch, a suburb south of Denver. A man was struck by lightning while riding in the back of a pickup truck in Franktown. All received minor injuries.

<b>Arapahoe County</b>									
15 ESE Denver	15	1441MST			0	0	?	?	Hail (1.25)
12 E Denver	15	1514MST			0	0	?	?	Hail (0.75)
12 ESE Denver	15	1524MST			0	0	?	?	Hail (0.75)
Aurora	15	1530MST- 1700MST			0	0	?	?	Flash Flood

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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## COLORADO Cont'd

11 SE Denver	15	1546MST			0 0	? ?	Hail (0.75)
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Strong thunderstorms moved through the eastern Denver metropolitan area, producing large hail and flash flooding. Hail up to 1.25-inch-diameter fell near Buckley Air National Guard Base. Rainfall of one to three inches fell in Aurora in less than an hour, leaving water up to 18 inches deep in some areas.

Washington County 2 E Platner	15	1636MST			0 0	? ?	Hail (0.88)
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Nickel-size hail fell between Platner and Otis.

Huerfano County Walsenburg	16	1835MST			0 0	? ?	Hail (1.00)
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Hail of one-inch-diameter fell in Walsenburg.

Las Animas County Aguilar	16	1925MST			0 0	? ?	Hail (0.75)
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Hail up to 0.75-inch-diameter fell in Aguilar.

El Paso County Yoder	17	1340MST			0 0	? ?	Hail (1.75)
2 E Ellicott	17	1345MST			0 0	? ?	Hail (1.75)
4 E Ellicott	17	1356MST			0 0	? ?	Hail (2.75)
Rush	17	1415MST			0 0	? ?	Hail (1.75)

Very strong thunderstorms moved through the towns of Ellicott and Yoder, dropping golf ball- to baseball-size hail.

Yuma County 1 N to 1 NE Idalia	17	1958MST-			0 0	? ?	Tornado (F0)
1 NE Idalia	17	2000MST	1.0	50	0 0	? ?	Tornado (F0)

A tornado was sighted north of Idalia, moving southeast. Shortly afterward, a second tornado touched down briefly near the first just northeast of Idalia. No injuries or damage were reported.

Cheyenne County 2 N Burlington	17	2125MST			0 0	? ?	Hail (1.75)
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Golf ball-size hail fell near Burlington.

Park County Bailey	18	1630MST			0 0	? ?	Hail (1.75)
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A spotter reported marble to golf ball-size hail at Bailey.

Douglas County 6 SW Castle Rock	18	1645MST			0 0	? ?	Hail (0.88)
Castle Rock	18	1648MST			0 0	? ?	Hail (1.00)
4 NW Larkspur	18	1656MST			0 0	? ?	Hail (0.88)
5 S Sedalia	18	1735MST			0 0	? ?	Hail (0.88)

National Center for Atmospheric Research chase teams reported nickel-size hail across central Douglas County. One-inch hail fell in Castle Rock.

Washington County 12 NW Anton	19	1615MST			0 0	? ?	Hail (1.25)
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Spotter reported hail up to 1.25 inches in diameter northwest of Anton (time estimated).

Lincoln County 8 S Thurman	19	1730MST			0 0	? ?	Hail (2.75)
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A spotter reported baseball-size hail south of Thurman (time estimated).

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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## COLORADO Cont'd

### Kit Carson County 1 W Flagler

19	1745MST				0	0	?	?	Hail (2.75)
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The sheriff's office reported baseball-size hail near Flagler.

### Denver County

5 SE Denver	20	1520MST			0	0	?	?	Flash Flood
6 SE Denver	20	1536MST			0	0	?	?	Flash Flood
5 SE Denver	20	1540MST			0	0	?	?	Flash Flood
5 SE Denver	20	1545MST			0	0	?	?	Flash Flood

### Larimer County

Fort Collins	20	1540MST			0	0	?	?	Flash Flood
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### Arapahoe County

10 ESE Denver	20	1545MST			0	0	?	?	Hail (0.75)
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### Jefferson County

9 SW Denver	20	1558MST			0	0	?	?	Flash Flood
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Strong thunderstorms moved slowly through the eastern Denver metropolitan area, producing rainfall amounts of up to 2.50 inches in a short time. A few spotters reported 0.75 to one inch of rain in less than 30 minutes. Many areas in southeast Denver were flooded, including Interstate 25 where up to 6 feet of water was reported in many underpasses. Hail measuring 0.75 of an inch fell in Aurora.

### Morgan County

20 SW Fort Morgan	20	1830MST			0	0	?	?	Flash Flood
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Thunderstorms moved through Morgan county, flooding a section of Colorado Highway 52 in the extreme southwestern part of the county.

### Sedgwick County

1 N Julesburg	21	1804MST			0	0	?	?	Hail (1.75)
1 S Julesburg	21	1815MST			0	0	?	?	Hail (1.75)

### Phillips County

5 E Holyoke	21	1917MST			0	0	?	?	Hail (1.50)
10 E Holyoke	21	1927MST			0	0	?	?	Hail (0.75)

Thunderstorms moved through the northeast corner of Colorado, dropping hail up to golf ball-size in Julesburg and east of Holyoke. One spotter reported one inch of rain in 15 minutes accompanied by 0.75-inch hail east of Holyoke near the Nebraska border.

### Weld County

4 E Stoneham	23	1632MST			0	0	?	?	Funnel Cloud
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### Logan County

15 W Sterling	23	1658MST			0	0	?	?	Hail (1.75)
Willard	23	1736MST			0	0	?	?	Hail (1.75)

Strong thunderstorms moved through eastern Weld and western Logan Counties. A spotter reported a funnel cloud near Stoneham. Softball-size hail fell around Willard.

### Elbert County

2 S Elizabeth	23	1713MST			0	0	?	?	Funnel Cloud
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A spotter reported a funnel cloud near Elizabeth.

### Denver County

5 SE Denver	23	1754MST			0	0	?	?	Flash Flood
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Spotters reported Howard Gulch was out of its banks.

### Arapahoe County

10 E Denver	23	1700MST			0	0	?	?	Thunderstorm Winds (G55)
1 S Sterling	23	1802MST			0	0	?	?	Thunderstorm Winds (G52)

Spotter recorded a 63 mph (55 knots) gust in Aurora. Another spotter measured a thunderstorm gust to 60 mph (52 knots), which knocked over a large tree.



## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>CONNECTICUT Cont'd</b>									
Plainfield Sterling	14	1755EST			0	0	?	0	Thunderstorm Winds
Numerous large trees were blown down also knocking down power lines.									
Tolland County Stafford	14	1851EST			0	0	?	0	Thunderstorm Winds
Numerous large branches and a few trees were blown down.									
Hartford County Granby E Granby	14	2240EST- 2250EST			0	0	?	0	Thunderstorm Winds
Large trees were blown down by thunderstorm winds.									
CTZ004 Southwestern Interior	15	1330EST- 1730EST			0	0	?	0	Heavy Rain
Fairfield County Brookfield Newtown Danbury	15	1605EST- 1615EST			0	0	4	0	Thunderstorm Winds
Thunderstorm winds downed trees and tree limbs, and combined with lightning strikes to cause power outages affecting up to 10,000 customers.									
Fairfield County Danbury	15	1630EST- 1730EST			0	0	?	0	Flash Flood
Thunderstorms dumped torrential rain on Danbury resulting in severe street flooding. Water was reported to be waist deep on Main Street flooding basements and autos. The heaviest rain occurred between 1330 EST and 1730 EST, and included one report of 3.00 inches in 30 minutes and 5.20 inches in 2 hours.									
Litchfield County W Cornwall	29	1705EST			0	0	?	0	Thunderstorm Winds
Hartford County E Windsor	29	1711EST			0	0	0	0	Hail (0.75)
Enfield	29	1715EST			0	0	?	0	Thunderstorm Winds
Thunderstorm winds knocked down trees and large hail was reported at East Windsor.									
Fairfield County Danbury	29	1715EST			0	0	?	0	Thunderstorm Winds
Monroe	29	1719EST			0	0	?	0	Thunderstorm Winds
Thunderstorm winds knocked down numerous trees, especially in Monroe.									
<b>DELAWARE</b>									
Sussex County 3 NE Lewes	01	1700EST			0	0	0	0	Thunderstorm Winds (G61)
The operator of the Pilot Tower at Cape Henlopen reported a wind gust to 70 mph (62 knots).									
New Castle County New Castle	01	1715EST			0	0	3	0	Thunderstorm Winds
City Police reported power lines downed. A power pole was toppled onto a car.									
Kent County	10	1843EST			0	0	0	0	Thunderstorm Winds
High winds blew down several trees.									
Sussex County 3 NE Lewes	10	2030EST			0	0	0	0	Thunderstorm Winds (G50)
The Pilot Tower operator reported winds gusting to 50 knots.									

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>DELAWARE Cont'd</b>									
<b>New Castle County New Castle</b>	15	1700EST			0	0	3	0	<b>Thunderstorm Winds</b>
	Trees and power lines were downed. There were several weather-related traffic accidents.								
<b>New Castle County Glasgow Claymont</b>	15	1726PM			0	0	4	0	<b>Thunderstorm Winds</b>
	Trees were downed at both locations; at Claymont, a house was unroofed.								
<b>New Castle County Claymont</b>	15	1800EST			0	0	3	0	<b>Thunderstorm Winds</b>
	Large trees were snapped off 30 feet from their tops. Power lines were downed.								
<b>Sussex County 2 N Millsboro</b>	15	1900EST	1.0	20	0	0	4	0	<b>Tornado (F1)</b>
	A weak tornado blew a two-car garage off its foundation, stripped siding off the garage, and wrapped the siding around trees.								
<b>Sussex County</b>	15	1900EST	2.5	10	0	0	0	0	<b>Tornado (F0)</b>
	Laurel a tornado snapped trees off at the top; some were flattened.								
<b>Sussex County Seaford</b>	15	1900EST	1.0	10	0	0	0	0	<b>Tornado (F0)</b>
	A small tornado snapped trees halfway up; some were blown flat.								
<b>Sussex County Seaford Laurel Bethany 3 N Georgetown</b>	15	2030EST			0	0	0	0	<b>Thunderstorm Wind</b>
	State Police reported trees downed at several locations in the county.								
<b>Sussex County 3 NE Lewes</b>	21	1445EST			0	0	0	0	<b>Thunderstorm Winds (G65)</b>
	Winds gusting to 75 mph (65 knots) were recorded at the Pilot Tower in Cape Henlopen (3 Northeast Lewes).								
<b>Kent County 8 W Harrington</b>	31	1800EST	1.0	10	0	0	4	0	<b>Tornado (F1)</b>
	A weak tornado damaged a silo, destroyed a shed, and uprooted several trees on a farm 8 West Harrington. The time is approximate.								
<b>Kent County 2 W Frederica to 2 NE Frederica</b>	31	1820EST	4.0	20	0	0	5	4	<b>Tornado (F2)</b>
	A tornado followed an intermittent 4-mile path, destroying 2 mobile homes and one cinder-block building, and damaging several other buildings. Several fields of corn were flattened. Debris was strewn across U.S. Highway 113, a heavily traveled road crowded with beachgoing traffic; but no injuries were reported.								
<b>Kent County Frederica</b>	31	1820EST			0	0	3	0	<b>Thunderstorm Winds</b>
	The same thunderstorm that spawned the tornado Northwest of Frederica caused winds that blew down trees and power lines in Frederica.								
<b>Sussex County 3 NE Lewes</b>	31	1850EST			0	0	0	0	<b>Thunderstorm Winds (G60)</b>
	The Pilot Tower operator at Cape Henlopen reported winds gusting to 69 mph (60 knots).								

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>FLORIDA</b>									
St. Johns County 45 NNW Daytona Beach	03	2030EST	?	?	0	0	0	0	Waterspout
A waterspout was sighted off Vilano Beach.									
St. Augustine	03	2050EST	?	?	0	0	0	0	Waterspout
A waterspout was sighted off St. Augustine Pier.									
Volusia County Daytona Beach	03	2200EST			0	75	5	0	Rogue Wave
A 27-mile-long wave rolled onto the Volusia County Beach at around 2300 EST. The wave's extent was from Ormond Beach on the north, to New Smyrna Beach on the south. The crest was 18 feet high and centered at Daytona Beach. Sailboats crashed ashore onto cars and many people suffered cuts and bruises from glass and debris. Two people required hospitalization and 200 vehicles were damaged.									
Dade County Miami	04	1643EST			0	0	0	0	Thunderstorm Winds
A thunderstorm gust to 58 mph was recorded at Miami International Airport.									
Dade County 16 WSW Miami	04	1745EST			0	0	2	0	Thunderstorm Winds
Strong thunderstorm winds downed trees and power lines in western Dade County.									
Monroe County Marathon	05	1900EST	?	?	0	0	0	0	Waterspout
Several waterspouts were sighted over Florida Bay just northeast of Marathon.									
Okaloosa County 3 NNE Eglin Air Force Base	05	2025EST			0	0	2	0	Thunderstorm Winds
Strong thunderstorm winds blew trees across power lines in Niceville.									
Okaloosa County 6 S Eglin Air Force Base	05	2030EST			0	0	4	0	Thunderstorm Winds
Strong thunderstorm winds blew down a tennis court fence, blew the roofs off several buildings, and blew several small craft from shore out into the gulf at Holiday Beach Resort in Destin.									
Dade County Miami	06	1235EST			0	4	0	0	Lightning
Lightning struck a crane on a freighter at the Port of Miami. Four stevedores working in the ship's hold suffered minor injuries.									
Lake County 28 NW Orlando	06	1330EST			0	0	3	0	Thunderstorm Winds
Strong thunderstorm winds blew down trees and damaged a mobile home along Route 450 west of Umatilla.									
Flagler County 20 NW Daytona Beach	06	1420EST			0	0	2	0	Thunderstorm Winds
Strong thunderstorm winds downed trees in Bunnell.									
Volusia County Daytona Beach	06	1530EST			0	0	0	0	Hail (0.88)
Nickel-size hail fell briefly at Daytona Beach.									

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>FLORIDA Cont'd</b>									
<b>Charlotte County</b> 23 NNW Fort Myers	06	1535EST			0	0	3	0	<b>Dust Devil</b>
									An apparent dust devil damaged three pool enclosures and a few small trees at Deep Creek.
<b>Orange County</b> 5 SW Orlando	06	1700EST			0	0	0	0	<b>Hail (0.75)</b>
									Marble- to nickel-size hail fell over much of central and east Orange County.
<b>Orange County</b> Winter Park	06	1749EST			0	0	4	0	<b>Thunderstorm Winds</b>
									Strong thunderstorm winds blew down numerous trees and power lines in Winter Park and Maitland.
<b>Brevard County</b> 5 SSE Melbourne	06	1900EST			0	0	4	0	<b>Thunderstorm Winds</b>
									Severe thunderstorm winds blew the roof off a restaurant building along the shore of the Indian River in Palm Bay. 75 customers were unhurt.
<b>Indian River County</b> 12 NW Vero Beach	06	1925EST			0	0	3	0	<b>Hail (1.75)</b> <b>Thunderstorm Winds</b>
									Numerous trees were blown down, the roof of a house was damaged, and golf ball-size hail fell near Fellsmere.
<b>Broward County</b> 13 NNW Fort Lauderdale	07	1300EST			0	0	3	0	<b>Thunderstorm Winds</b>
									Strong thunderstorm winds leveled a row of 50-foot Australian pines, several of which crashed into homes in Coral Springs.
<b>Orange County</b> Lake Buena Vista	07	1849EST			0	0	0	0	<b>Thunderstorm Winds (G50)</b>
									Walt Disney World security personnel measured a thunderstorm gust to 58 mph. A few trees were blown down.
<b>Columbia County</b> Lake City	08	1445EST			0	0	2	0	<b>Thunderstorm Winds</b>
									The sheriff's office reported trees and power lines down in the south part of the county south of Lake City.
<b>Nassau County</b> 9 NNE Jackson- ville	08	1500EST			0	1	0	0	<b>Lightning</b>
									A pregnant woman in Yulee was shocked as she reached to turn off an appliance as lightning struck. She was stunned but not seriously injured.
<b>Palm Beach County</b> Sikorsky Field	08	1515EST			0	0	0	0	<b>Thunderstorm Winds (G72)</b>
									Wind gusts to 83 mph were recorded at Sikorsky Field.
<b>Escambia County</b> Pensacola	09	1300EST			1	0	0	0	<b>Heat Stroke</b>
									A construction worker who had been in the sun for 5 to 6 hours collapsed and died near the construction site as the heat index soared to around 108. (M470)
<b>Lee County</b> Fort Myers	09	1720EST			0	1	0	0	<b>Lightning</b>

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<p>Lightning struck a house as a woman was turning off a water faucet inside. She was hospitalized but recovered.</p>									
Lee County 5 W Fort Myers	10	1300EST	Short	?	0	0	0	0	Tornado (F0)
<p>A small tornado touched down briefly in an open park area at Cape Coral.</p>									
Highlands County Sebring	10	1445EST			0	0	0	0	Thunderstorm Winds (G52)
<p>A thunderstorm wind gust to 60 mph was reported at Sebring.</p>									
Highlands County Sebring	10	1530EST- 1545EST			0	0	0	0	Thunderstorm Winds
<p>Strong thunderstorm gusts downed trees and limbs at Lorida and at a marina on the east side of Lake Istokpoga.</p>									
Charlotte County 26 NNW Fort Myers	10	1715EST- 1730EST			0	0	4	0	Hail (2.00) Thunderstorm Winds (G58)
<p>Hail as large as Ping Pong balls fell at Port Charlotte accumulating ankle deep in some locations. Wind gusts to 68 mph uprooted numerous trees and downed power lines.</p>									
Collier County Naples	11	1630EST			0	0	2	0	Thunderstorm Winds
<p>Strong thunderstorm winds downed 14 trees and damaged some signs in East Naples.</p>									
Pinellas County Dunedin to Tarpon Springs	12	1115EST- 1145EST	4.5	60	0	6	6	0	Tornado (F2)
<p>A tornado touched down near the Dunedin Causeway. It lifted and tracked north along the coast as a funnel cloud before touching down again at a marina at Tarpon Springs lifted again and dropped down again as a waterspout west of Holiday. At the Dunedin Causeway, several catamarans were damaged, with one blown into a car. Six boaters were injured with cuts and lacerations and one was hospitalized with a fractured limb. Only tree damage was reported north of the causeway until two more boats were capsized at Anclote Park Marina near Tarpon Springs.</p>									
Pasco County 15 NNW Tampa	12	1135EST			0	0	3	0	Thunderstorm Winds
<p>Tree limbs were blown across power lines and onto a car in Holiday.</p>									
Pinellas County Treasure Island	12	1155EST			0	1	0	0	Lightning
<p>Lightning struck near a man on the beach slightly injuring him.</p>									
Manatee County 28 S Tampa	12	1340EST	Short	?	0	0	3	0	Tornado (F0)
<p>A small tornado touched down briefly in Palmetto knocking down eight utility poles and breaking tree limbs.</p>									
Levy County 42 SSE Cross City	12	1415EST			0	0	4	0	Thunderstorm Winds
<p>Strong thunderstorm winds uprooted trees, some of which damaged six houses and a church building in Yankeetown and Inglis.</p>									
Monroe County 10 NE Key West	12	1530EST	?	?	0	0	0	0	Waterspout
<p>A pilot reported a waterspout 5 miles north of Sugarloaf Key.</p>									

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>FLORIDA Cont'd</b>									
<b>Madison County 20 SSW Valdosta Georgia</b>	12	1722EST- 1738EST			0	0	6	0	<b>Hail (1.50) Thunderstorm Winds</b>
									Golf ball-size hail fell in parts of Madison for more than 10 minutes. All windows on one side of the courthouse were broken out. Strong gusts crumpled carports and destroyed a convenience store roof. Numerous trees and power lines were downed.
<b>Volusia County Northwestern Portion</b>	12	1800EST			0	0	4	0	<b>Thunderstorm Winds Hail (1.00)</b>
									Sheriff's deputies reported downed trees and power lines near Pierson. Nickel-size hail fell on Interstate 4 west of Daytona Beach. Wind gusts to 60 mph and 58 mph were reported in Port Orange and Ponce Inlet.
<b>Marion County 41 SSE Gaines- ville</b>	13	1500EST			0	0	3	0	<b>Lightning</b>
									Lightning struck and killed three Egyptian Arabian horses on a farm near Summerfield.
<b>Gadsden County 36 WNW Talla- hassee</b>	14	1230EST			0	1	0	0	<b>Lightning</b>
									Lightning struck a television antenna as a home owner was installing it on his house. He was taken to the hospital but not seriously hurt.
<b>Lee County Fort Myers</b>	14	1600EST			0	0	0	0	<b>Hail (0.88)</b>
									Nickel-size hail fell at Fort Myers.
<b>Lee County 14 E Fort Myers</b>	14	1614EST	Short	?	0	0	0	0	<b>Tornado (F0)</b>
									A small tornado touched down briefly in a field near Lehigh Acres.
<b>Lake County 20 WSW Orlando</b>	14	1705EST			0	0	0	0	<b>Hail (0.75)</b>
									Dime-size hail fell 7 miles south of Clermont.
<b>Sumter County 44 SSE Gaines- ville</b>	15	1500EST			0	0	5	0	<b>Thunderstorm Winds</b>
									Six people drove their cars under a shed to take shelter from a thunderstorm north of Oxford. Downburst winds collapsed the tin roof onto the cars. No one was injured.
<b>Hillsborough County 22 E Tampa</b>	15	1735EST			0	0	0	0	<b>Thunderstorm Winds</b>
									Strong thunderstorm winds blew down trees at Plant City.
<b>Polk County Lakeland</b>	15	1739EST			0	0	3	0	<b>Thunderstorm Winds</b>
									Strong thunderstorm winds damaged trees, power lines, and a railroad crossing gate.
<b>Pasco County 24 NE Tampa</b>	15	1822EST			0	0	2	0	<b>Thunderstorm Winds</b>
									Strong thunderstorm winds downed trees and power lines at Zephyrhills.
<b>Hernando County 30 N Tampa</b>	15	1900EST			0	1	0	0	<b>Lightning</b>

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					Killed	Injured	Property	Crops	
<b>FLORIDA Cont'd</b>									
									A man holding a metal gate was injured when lightning struck the gate. His injuries were not serious.
<b>Nassau County</b>	16	1345EST			0	1	0	0	<b>Lightning</b>
									A man was injured when lightning struck near him as he was headed for shelter from a thunderstorm in a mobile home. He was taken to the hospital but later released.
<b>Orange County 39 SW Daytona Beach</b>	17	1500EST			0	0	3	0	<b>Thunderstorm Winds</b>
									Strong downburst winds crumpled carports and light metal buildings in the Zellwood Station area.
<b>Lee County Fort Myers</b>	17	1800EST			0	1	0	0	<b>Lightning</b>
									Lightning struck a nursing home and injured a man inside who was washing his hands. He was taken to the hospital.
<b>Palm Beach County Belle Glade</b>	18	1415EST- 1430EST			0	0	3	0	<b>Thunderstorm Winds</b>
									Thunderstorm winds blew down trees and took out three transformers in Belle Glade.
<b>Hillsborough County 22 E Tampa</b>	18	1600EST			0	1	0	0	<b>Lightning</b>
									Lightning struck and injured a man as he walked in his back yard. He was hospitalized for 2 days with burns and an erratic heart beat, but recovered.
<b>Charlotte County 26 NNW Fort Myers</b>	18	1715EST			0	0	2	0	<b>Thunderstorm Winds (G52)</b>
									Thunderstorm gusts to 60 mph knocked down trees, pool screens, street lamps, and signs in Port Charlotte and Punta Gorda.
<b>Palm Beach County 5 SE West Palm Beach</b>	19	0837EST	?	?	0	0	0	0	<b>Waterspout</b>
									A pilot reported a waterspout 5 miles southeast of West Palm Beach.
<b>Pinellas County Clearwater</b>	19	1142EST	0.3	30	0	0	4	0	<b>Tornado (F1)</b>
									A tornado touched down briefly damaging two vehicles one of which was tossed across a parking lot. Two people were rescued from Tampa Bay after their boat was overturned under the Sunshine Skyway Bridge.
<b>Alachua County 10 S Gaines- ville</b>	19	1655EST			0	0	2	0	<b>Thunderstorm Winds</b>
									Thunderstorm winds toppled trees and did minor damage to a few homes in Micanopy.
<b>Marion County Ocala</b>	19	1730EST			0	0	2	0	<b>Thunderstorm Winds</b>
									Thunderstorm winds toppled trees and power lines in Ocala.
<b>Charlotte County West-central Portion</b>	20	1445EST	Short	?	0	0	0	0	<b>Tornado (F0)- Waterspout</b>
									A small tornado touched down in an unpopulated area west of Rotonda then moved into the gulf and dissipated.

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					Killed	Injured	Property	Crops	
<b>FLORIDA Cont'd</b>									
<b>Pinellas County 18 SW Tampa</b>	20	1705EST	Short	?	0	0	2	0	<b>Waterspout- Tornado (F0)</b>
									A waterspout moved onshore along the Treasure Island Causeway breaking the windshield of an ambulance before dissipating.
<b>Pinellas County 16 SW Tampa</b>	20	1715EST			0	0	0	0	<b>Hail (0.75) Thunderstorm Winds (G70)</b>
									An amateur meteorologist reported dime-size hail and wind gusts to 81 mph in Seminole.
<b>Pinellas County 16 SW Tampa</b>	20	1755EST	Short	?	0	0	2	0	<b>Waterspout- Tornado (F0)</b>
									A waterspout moved onshore doing minor damage at Seminole.
<b>Brevard County Patrick Air Force Base</b>	21	0910EST	?	?	0	0	0	0	<b>Waterspout</b>
									A waterspout was briefly sighted offshore between Patrick Air Force Base and Satellite Beach.
<b>Escambia County Pensacola</b>	21	1436EST	?	?	0	0	0	0	<b>Waterspout</b>
									A waterspout was sighted for about 5 minutes in Pensacola Bay.
<b>Manatee County 30 S Tampa</b>	21	1605EST			0	0	0	0	<b>Hail (0.75) Thunderstorm Winds</b>
									Dime-size hail fell and thunderstorm winds downed trees in South Bradenton.
<b>Hillsborough County Tampa</b>	21	1635EST			0	0	2	0	<b>Hail (1.00) Thunderstorm Winds</b>
									Quarter-size hail fell and thunderstorm winds downed a few trees and signs in Tampa.
<b>Hillsborough County Northwestern Portion</b>	21	1730EST			0	0	2	0	<b>Thunderstorm Winds</b>
									Strong thunderstorm winds downed power lines.
<b>Citrus County 47 S Gainesville</b>	21	1835EST			0	0	2	0	<b>Thunderstorm Winds</b>
									Thunderstorm winds downed trees and power lines in Beverly Hills.
<b>Pasco County 17 NNW Tampa</b>	21	1900EST			0	1	0	0	<b>Lightning</b>
									Lightning struck a house in Port Richey slightly injuring an elderly woman who was shocked when she touched a doorknob.
<b>Pinellas County</b>	22	1615EST	?	?	0	0	0	0	<b>Waterspout</b>
									A waterspout was sighted briefly over Old Tampa Bay.
<b>Pinellas County Clearwater</b>	22	1615EST			0	0	0	0	<b>Hail (0.75)</b>
									Dime-size hail fell at Clearwater Mall.
<b>Pinellas County Clearwater</b>	22	1730EST	Short	?	0	0	0	0	<b>Tornado (F0)</b>

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>FLORIDA Cont'd</b>									
									A tornado touched down briefly in an open field.
Pinellas County Clearwater	22	1800EST	?	?	0	0	0	0	Waterspout
									A waterspout formed over the gulf west of Clearwater then moved west.
Monroe County 3 SW Key West	23	1034EST	?	?	0	0	0	0	Waterspout
									A waterspout was sighted 3 miles southwest of Key West.
Sarasota County Sarasota	23	1608EST			0	0	2	0	Thunderstorm Winds
									Strong thunderstorm winds blew over a tree which damaged a car.
Manatee County Bradenton	23	1610EST			0	0	0	0	Funnel Cloud
									A funnel cloud was sighted briefly along Interstate 75 east of Bradenton.
Pasco County 17 NNW Tampa	23	1735EST			0	0	0	0	Hail (0.75)
									Dime-size hail fell briefly in south New Port Richey.
Citrus County Crystal River	23	1845EST	?	?	0	0	0	0	Waterspout
									A waterspout was sighted over the gulf west of Crystal River.
Pinellas County St. Petersburg	24	1647EST- 1705EST			0	0	0	0	Thunderstorm Winds (G56)
									Thunderstorm gusts to 66 mph occurred at the St. Petersburg Pier.
Sarasota County 27 S Tampa	24	1700EST			0	0	4	0	Lightning
									Lightning struck the carport of a house in Palmetto starting a fire which badly damaged it.
Hillsborough County 11 SE Tampa	24	1705EST	?	?	0	0	0	0	Waterspout
									A waterspout formed briefly in the Alafia River near Gibsonton.
Santa Rosa County 8 NNE Pensacola	27	1234EST			0	4	0	0	Lightning
									Lightning struck near four people working on a car in Pace. All four were hospitalized.
Monroe County 7 W Key West	27	1301EST	?	?	0	0	0	0	Waterspout
									A waterspout was sighted 7 miles west of Key West.
Duval County Jacksonville	29	1749EST			0	0	0	0	Thunderstorm Winds (G55)
									Whitehouse Field Naval Station reported a thunderstorm gust to 64 mph.
Lake County 26 NW Orlando	30	1335EST			0	0	0	0	Thunderstorm Winds
									Thunderstorm winds blew down a few pine trees about 3 miles west of Tavares.
Palm Beach County 17 NNE Fort Lauderdale	30	1413EST			0	0	0	0	Funnel Cloud

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>FLORIDA Cont'd</b>									
									A pilot reported a funnel cloud near Boca Raton.
Duval County Jacksonville	30	1425EST			0	0	0	0	Funnel Cloud
									A funnel cloud was sighted over southeastern Jacksonville.
Duval County Jacksonville	30	1430EST- 1500EST			0	0	0	0	Funnel Cloud
									Several funnel clouds were reported over east and southeast Jacksonville.
Leon County Tallahassee	30	1445EST- 1505EST			0	0	2	0	Thunderstorm Winds Hail (0.75)
									Dime-size hail fell and thunderstorm winds blew down trees in several locations in the Tallahassee area.
Clay County 21 SSW Jackson- ville	30	1500EST			0	0	0	0	Funnel Cloud
									A funnel cloud was reported near Green Cove Springs.
Duval County Jacksonville	30	1515EST			0	0	0	0	Hail (0.75)
									Marble- to dime-size hail was reported near downtown Jacksonville.
Leon County 15 N Tallahassee	30	1530EST- 1540EST			0	0	2	0	Thunderstorm Winds
									Strong thunderstorm winds downed several trees in north Leon County.
Nassau County 16 NE Jackson- ville	30	1535EST			0	0	0	0	Hail (1.50)
									Marble- to golf ball-size hail was reported at Fernandina Beach.
Duval County Jacksonville	30	1545EST			0	0	4	0	Thunderstorm Winds Lightning
									Strong thunderstorm winds blew down trees and power lines in north Jacksonville. Lightning started at least five house fires.
Nassau County 16 NE Jackson- ville	30	1608EST			0	0	2	0	Thunderstorm Winds
									Thunderstorm winds downed power lines in Fernandina Beach.
Madison County 20 SSW Valdosta Georgia	30	1635EST			0	0	2	0	Thunderstorm Winds
									Strong thunderstorm winds downed trees and damaged a gas station roof in Madison.
Palm Beach County 17 NNE Fort Lauderdale	31	1413EST			0	0	0	0	Funnel Cloud
									A pilot reported a funnel cloud near Boca Raton.
Broward County 13 NNW Fort Lauderdale	31	1506EST			0	0	2	0	Thunderstorm Winds
									Thunderstorm winds uprooted a tree and overturned patio furniture in Coral Springs.

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>GEORGIA</b>									
Early County Blakely Countywide	01	1200EST			0	0	3	?	Thunderstorm Wind
Calhoun County Southern Calhoun County	01	1200EST			0	0	3	?	Thunderstorm Wind
Dougherty County Albany	01	1200EST			0	0	3	?	Thunderstorm Wind (G55)
Countywide	01	1200EST			0	0	3	?	Thunderstorm Wind
Countywide	01	1200EST			0	0	3	?	Hail (1.75)
<p>Numerous trees and limbs were downed by strong winds over the area from Early County to Dougherty County, including in Blakely and Albany. Several roads were impassable.</p> <p>In Albany, widespread power outages occurred for about 6,000 electricity customers. Hail broke the windows at one home. In Blakely, about 400 customers were without power. Times are estimated at Early and Calhoun Counties.</p>									
Worth County Warwick 10E Sylvester	01	1210EST			0	0	3	?	Thunderstorm Wind
<p>Scattered trees and large limbs were downed over Worth County, mainly over the northern portion. Several county roads were impassable and power outages occurred.</p>									
Sumter County Americus Countywide	01	1225EST			0	0	4	?	Thunderstorm Wind
<p>Numerous trees were uprooted over Americus. Winds and downed trees damaged homes, vehicles, and other properties over the county. Telephone and electrical services were disrupted for about 5,000 customers when lines were torn down.</p>									
Lee County Smithville Countywide	01	1230EST			0	0	3	?	Thunderstorm Wind
Terrell County Graves Countywide	01	1230EST			0	0	2	?	Thunderstorm Wind
<p>A few large trees were downed along with power lines in Lee County, including around Smithville. Brief power outages developed and Georgia Highway 19 was blocked by uprooted trees.</p> <p>At Graves, an isolated power outage developed after winds uprooted a tree. Time is estimated for Terrell County.</p>									
Ben Hill County Fitzgerald	01	1245EST			0	0	4	?	Thunderstorm Wind
<p>Downburst winds damaged four hangars at Fitzgerald Municipal Airport. Several other buildings near the airport had minor damages. Tree tops were snapped by the winds.</p>									
Bibb County Macon	01	1250EST			0	0	3	?	Thunderstorm Wind
<p>Several trees were downed in Macon. Estimated winds to 58 miles an hour occurred in one section of Macon.</p>									
Pulaski County Countywide	01	1330EST			0	0	3	?	Thunderstorm Wind
Bleckley County Countywide	01	1330EST			0	0	3	?	Thunderstorm Wind
Dodge County Countywide	01	1330EST			0	0	3	?	Thunderstorm Wind
Wilcox County Abbeville 9S Abbeville	01	1330EST			0	0	3	?	Thunderstorm Wind

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## GEORGIA Cont'd

<b>Treutlen County</b> Countywide	01	1330EST			0 0	3 ?	<b>Thunderstorm Wind</b>
Scattered trees were downed throughout the five-county area. Power lines were torn down and brief outages developed. Around Abbeville, Georgia Highway 129 was blocked.							
<b>Chatahoochee County</b> Countywide	01	1335EST			0 0	3 ?	<b>Thunderstorm Wind</b>
Scattered trees and limbs were pushed down onto power lines; power outages resulted over the county.							
<b>Muscogee County</b> Columbus	01	1345EST			0 0	3 ?	<b>Thunderstorm Wind</b> <b>Small Hail</b>
Strong winds over Columbus uprooted a few large trees and tore down power lines. Utility services were interrupted for more than 14,000 homes and businesses.							
<b>Wilkinson County</b> Danville	01	1400EST			0 0	3 ?	<b>Thunderstorm Wind</b>
Many trees were downed in Danville and on Georgia Highway 112.							
<b>Laurens County</b> Rockledge Dublin	01	1410EST			0 0	4 ?	<b>Thunderstorm Wind</b>
Scattered trees and power lines were torn down by the winds over Laurens County. Several storage buildings, a barn, and other properties sustained damage. About 500 customers were without power in Dublin. Time is estimated.							
<b>Crisp County</b> Vienna	01	1415EST			0 5	4 ?	<b>Thunderstorm Wind</b>
Five people were injured after when a large tree fell onto a mobile home. Scattered trees and limbs were downed along with power lines. Time is estimated.							
<b>Emanuel County</b> Countywide	01	1415EST			0 0	4 ?	<b>Thunderstorm Wind</b>
Twin City	01	1430EST			0 0	4 ?	<b>Thunderstorm Wind</b>
<b>McDuffie County</b> Thomson	01	1445EST			0 0	4 ?	<b>Thunderstorm Wind</b>
<b>Jefferson County</b> Countywide	01	1445EST			0 0	4 ?	<b>Thunderstorm Wind</b>
<b>Jenkins County</b> Countywide	01	1445EST			0 0	3 ?	<b>Thunderstorm Wind (G56)</b>
<b>Burke County</b> Alexander Girard Countywide	01	1450EST			0 0	4 ?	<b>Thunderstorm Wind</b>
Numerous trees were downed over Emanuel, Jenkins, and Burke Counties. Large limbs were downed in McDuffie and Jefferson Counties. Power outages developed over the entire area.							
At Twin City, a tree damaged a house. In rural Emanuel County, the roofs of several barns were blown off by the winds. A house was damaged by the winds in rural Jenkins County.							
At Thomson in McDuffie County, strong winds blew out a brick wall of an abandoned building. The debris destroyed five cars parked next to the building.							
In Burke County, most damages were concentrated around Girard and Alexander. At Alexander, a trailer was severely damaged when a large tree fell across the kitchen. Several roads were blocked to traffic.							

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<b>GEORGIA Cont'd</b>									
Chatham County Savannah	01	1430EST			0	0	3	?	Thunderstorm Wind
Tybee Island									
Wilmington Island									
Savannah	01	1450EST			0	0	3	?	Thunderstorm Wind
Isle of Hope									
Several trees and power lines were downed over Savannah, Tybee Island, and Wilmington Island. Another tree was blown down at Isle of Hope. Power outages developed over Chatham County.									
Screven County Northern Screven County	01	1500EST			0	0	3	?	Thunderstorm Wind
Numerous trees were downed over Screven County.									
Bulloch County 4SE Brooklet	01	1500EST			0	0	3	?	Thunderstorm Wind
Bryan County Pembroke	01	1500EST			0	0	4	?	Thunderstorm Wind
Countywide									
Effingham County Glennville	01	1500EST			0	0	4	?	Thunderstorm Wind
Countywide									
Trees and power lines were downed along United States Highway 80 between Brooklet and Stilson. Over Effingham and Bryan Counties, large trees were downed, along with power lines.									
One tree fell on a house in rural Effingham County. A trailer home had wind damage in Glennville. At Pembroke in Bryan County, a new vehicle and a deck were severely damaged by an uprooted tree.									
Clarke County Athens	01	1515EST			0	0	3	?	Thunderstorm Wind
Winterville									
Trees and limbs were downed over Clarke County. Television cable and utility lines were downed; outages resulted.									
Dekalb County Stone Mountain	01	1530EST			0	2	?	?	Lightning
Two brothers were injured when lightning struck them while flying kites atop Stone Mountain.									
Oglethorpe County Lexington	01	1545EST			0	0	3	?	Thunderstorm Wind
A few trees and power lines were downed around Lexington.									
Gwinnett County Duluth	01	1545EST			0	1	?	?	Lightning
Lawrenceville	01	1554EST			0	0	4	?	Thunderstorm Wind
In Lawrenceville, a wall of an automobile dealership on Georgia Highway 316 was blown out by thunderstorm winds. Other property at the dealership was damaged.									
A worker at Duluth was talking on a telephone when a lightning blast threw him several feet out of a chair. The worker had minor injuries.									
Rockdale County Conyers	01	1600EST			0	0	3	?	Flash Flood
Conyers	01	1600EST			0	0	3	?	Thunderstorm Wind
Scattered trees and power lines were blown down by winds around Conyers. About 200 customers were without power. Flash floods stranded motorists at a shopping center and in several locations around Conyers.									

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## GEORGIA Cont'd

### Telfair County Countywide

01	1600EST				0	0	3	?	Thunderstorm Wind
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Limbs and trees were blown down over several sections of Telfair county. A few power lines were torn down; isolated outages resulted.

### Gwinnett County Duluth

01	1635EST				0	0	5	?	Thunderstorm Wind
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At Duluth, extensive damage occurred over a small neighborhood. Many trees were uprooted, damaging homes, decks, and many other properties. Power lines were downed; outages developed.

### Dawson County Countywide

02	0800EST				0	0	3	?	Thunderstorm Wind
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Scattered trees were downed over Dawson County. Roads were briefly flooded after heavy rainfall developed.

### Jefferson County Matthews

02	1102EST				0	0	4	?	Lightning
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A house was heavily damaged by fire after being struck by lightning. Time is estimated.

### Fannin County Blue Ridge Union County Blairsville

02	1210EST				0	0	?	?	Flash Flood
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02	1210EST				0	0	?	?	Flash Flood
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Small streams around Blue Ridge in Fannin County and Blairsville in Union County flooded after thunderstorms with heavy rainfall developed over north Georgia. Lightning caused power outages.

### Gilmer County Ellijay

02	1210EST				0	0	4	?	Flash Flood
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A bridge was washed out on Big Creek and several trees fell due to the flood waters.

### Hall County Gainesville

02	1430EST				1	0	3	?	Lightning
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A woman was struck by killed by a lightning in her bathroom. The lightning traveled through the plumbing. (F52P)

### Gwinnett County Lilburn Centerville Peachtree Corners Snellville

02	1540EST				0	0	4	?	Lightning
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02	1540EST				0	0	3	?	Lightning
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02	1540EST				0	0	4	?	Lightning
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02	1540EST				0	0	4	?	Lightning
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A barn blaze started by lightning near Lilburn killed a show horse valued at \$24,000. About \$21,000 was lost in saddles and other equipment. A house in Peachtree Corners and another in Snellville were damaged by fires caused by lightning strikes. In Centerville, lightning struck a gas main and started a small fire. Lightning caused scattered power outages over Gwinnett County. Time is estimated.

### Wilcox County Western Wilcox County

02	1545EST				0	0	3	?	Thunderstorm Wind
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Scattered trees were pushed down onto power lines. Several utility poles were damaged. Outages resulted.

### Cobb County Powder Springs

02	1545EST				0	1	?	?	Lightning
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A man was struck and injured by lightning. Time is estimated.

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					Killed	Injured	Property	Crops	
<b>GEORGIA Cont'd</b>									
<b>Fulton County</b>									
Atlanta	02	1545EST			0	2	?	?	Lightning
College Park	02	1545EST			0	0	3	?	Thunderstorm Wind
Atlanta	02	1635EST			0	0	3	?	Thunderstorm Wind
Hapeville									
Three men were struck by lightning in Atlanta; two had minor injuries. Across southern Fulton County, a large limbs and power lines were downed, mainly in College Park and southwest Atlanta. One tree was uprooted in Hapeville. Over 20,000 customers were without utility services.									
<b>Clayton County</b>									
Jonesboro	02	1600EST			0	0	3	?	Thunderstorm Wind
Countywide									
Scattered trees and power lines were torn down by winds over Clayton County. Several small structures were damaged in Jonesboro.									
<b>Rockdale County</b>									
Conyers	02	1630EST			0	0	4	?	Lightning
Countywide	02	1630EST			0	0	2	?	Thunderstorm Wind
Lightning caused damages to the roof and attic of a house. Lightning caused isolated power outages. Strong winds tore down limbs and utility lines.									
<b>Fayette County</b>									
8S Fayetteville	02	1700EST			0	0	3	?	Thunderstorm Wind
Coweta County									
Senoia	02	1700EST			0	0	3	?	Thunderstorm Wind
Several trees and power lines were downed in Fayette County south of Fayetteville and around Senoia in Coweta County.									
<b>Dekalb County</b>									
Lithonia	02	1700EST			0	0	3	?	Thunderstorm Wind
10NNE Atlanta (ATL)									
North Druid Hills									
Lithonia	02	1700EST			0	0	4	?	Lightning
Scattered trees and limbs were blown down over parts of Dekalb County. A house fire started due to a lightning strike in Lithonia. Time is estimated.									
<b>Henry County</b>									
2N McDonough	02	1710EST			0	0	?	?	Thunderstorm Wind
McDonough	02	1710EST			0	0	?	?	Lightning
Trees and power lines were downed north of McDonough. One house fire developed due to a lightning strike. About 200 customers were left without power after utility lines were downed.									
<b>Spalding County</b>									
Countywide	02	1715EST			0	0	3	?	Thunderstorm Wind
Butts County									
Countywide	02	1715EST			0	0	3	?	Thunderstorm Wind
Monroe County									
Southern Monroe County	02	1715EST			0	0	3	?	Thunderstorm Wind
Jasper County									
Countywide	02	1715EST			0	0	3	?	Thunderstorm Wind
Scattered trees and power lines were downed over the four-county area. In Spalding County, mainly over the eastern portion, about 1,400 homes and businesses were without utility services. In Butts County, about 350 residents had outages. Isolated outages occurred in Jasper and Monroe Counties.									
<b>Coweta County</b>									
3S Palmetto	02	1737EST			0	0	4	?	Thunderstorm Wind

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>GEORGIA Cont'd</b>									
A mobile home was rolled by strong winds near Interstate 85. One tree was uprooted. Lightning caused very minor damage to a house.									
<b>Fulton County Fairburn</b>	02	1800EST			0	0	2	?	<b>Thunderstorm Wind</b>
One tree was uprooted and a few limbs were torn down by winds.									
<b>Jones County 2N Gray</b>	02	1805EST			0	0	3	?	<b>Thunderstorm Wind</b>
Scattered trees were pushed onto power lines; outages resulted.									
<b>Bulloch County 7NNE Statesboro</b>	03	1005EST			0	0	4	?	<b>Lightning</b>
A mobile home was heavily damaged after lightning set it afire.									
<b>Walton County Monroe</b>	03	1300EST			0	0	5	?	<b>Lightning</b>
Lightning destroyed a chicken house and killed 12,000 chickens.									
<b>Coweta County Newnan</b>	03	1330EST			0	0	2	?	<b>Thunderstorm Wind</b>
About 1,500 customers were left without power after strong winds uprooted a tree and tore down power lines.									
<b>Baldwin County Eastern Baldwin County</b>	03	1345EST			0	0	3	?	<b>Thunderstorm Wind</b>
A few trees were pushed onto power lines; outages resulted.									
<b>Jefferson County Northeast Jefferson County</b>	03	1419EST			0	0	2	?	<b>Thunderstorm Wind</b>
Large tree limbs were downed by winds.									
<b>Effingham County Countywide</b>	03	1635EST			0	0	2	?	<b>Thunderstorm Wind Lightning</b>
Scattered tree limbs and power lines were torn down at several locations over Effingham County. Lightning contributed to the power outages that occurred at Guyton, Springfield, and Clyo.									
<b>Washington County Sandersville</b>	03	1900EST			0	0	3	?	<b>Thunderstorm Wind</b>
A few trees were toppled in a subdivision in Sandersville.									
<b>McDuffie County Dearing Thompson</b>	05	1325EST			0	0	3	?	<b>Thunderstorm Wind</b>
Scattered trees were downed over northern McDuffie County and in Dearing. Power outages developed when lines were torn down in Thompson.									
<b>Burke County Countywide</b>	05	1425EST			0	0	3	?	<b>Thunderstorm Wind</b>
Strong winds blew down many trees and caused scattered power outages across Burke County.									
<b>Dade County Countywide</b>	05	1545EST			0	0	3	?	<b>Thunderstorm Wind</b>



# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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## GEORGIA Cont'd

Strong winds downed trees and power lines over Lamar County, leaving about 1,000 customers without utility services. A small structure lost its top in the storm at Aldora.

Lightning started a fire that destroyed a mobile home on Georgia Highway 14 near Barnesville.

**Bartow County**  
Adairsville  
4S Adairsville  
Euharlee  
Taylorsville

05	1625EST				0 0	3 ?	Thunderstorm Wind
05	1625EST				0 0	3 ?	Thunderstorm Wind

About 1,000 utility customers were without power after trees and limbs fell onto the lines in and around Adairsville, in Taylorsville, and around Euharlee.

**Dekalb County**  
North Druid Hills  
North Druid Hills

05	1640EST				0 0	? ?	Thunderstorm Wind (G56)
05	1640EST				0 0	? ?	Hail (1.00)

**Gwinnett County**  
Snellville

05	1645EST				0 0	4 ?	Thunderstorm Wind
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Several trees were uprooted in a subdivision. One tree fell onto a house. Utility lines were downed in the area.

**Meriwether County**  
Countywide

05	1655EST				0 0	3 ?	Thunderstorm Wind
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Several trees were downed on roads and highways across Meriwether County.

**Whitfield County**  
Dalton  
Countywide

05	1655EST				0 0	3 ?	Thunderstorm Wind
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Scattered tree limbs fell on power lines in Dalton and over Whitfield County. Near 3,000 customers had interruptions to utility services, with 1,800 of these in the northeastern portion of the county.

**Bibb County**  
Countywide  
**Jones County**  
Southern Jones  
County

05	1700EST				0 0	3 ?	Thunderstorm Wind
05	1700EST				0 0	3 ?	Thunderstorm Wind

At least 40 trees were uprooted over Bibb County, with most of the damages over the northern half of the county. Over southern Jones County, numerous trees were uprooted. Power lines were damaged and outages developed in both counties. About 11,000 customers were without power in Macon, alone.

**Coweta County**  
Grantville

05	1700EST				0 0	3 ?	Thunderstorm Wind
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Scattered trees fell around Grantville.

**Gwinnett County**  
Lawrenceville  
Lawrenceville  
Snellville

05	1705EST				0 0	4 ?	Lightning
05	1705EST				0 0	3 ?	Thunderstorm Wind

Scattered trees and power lines were downed at Snellville and Lawrenceville. A house was partially destroyed by fire after lightning struck the roof.

**Twiggs County**  
Countywide

05	1730EST				0 0	3 ?	Thunderstorm Wind
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Scattered trees were uprooted over the county.

**Barrow County**  
Statham

05	1740EST				0 0	3 ?	Thunderstorm Wind
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# Storm Data and Unusual Weather Phenomena

July 1992

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

## GEORGIA Cont'd

Scattered trees were downed over Barrow County, mainly over the eastern portion near Statham.

Oconee County Watkinsville	05	1745EST			0	0	3	?	Thunderstorm Wind
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Three trees were downed near Watkinsville.

Clarke County Athens	05	1745EST			0	0	3	?	Thunderstorm Wind
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A few trees were downed near Athens.

Walton County Countywide	05	1752EST			0	0	3	?	Thunderstorm Wind
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Monroe County Countywide	05	1752EST			0	0	3	?	Thunderstorm Wind
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Numerous trees were blown down over both Walton and Monroe Counties.

Macon County 12N Oglethorpe Ideal	05	1800EST			0	0	3	?	Thunderstorm Wind
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Scattered trees and limbs were torn down and pushed into power lines around Ideal and north of Oglethorpe. Power outages developed and a few county roads were blocked.

Wilkinson County Irwinton Countywide	05	1815EST			0	0	3	?	Thunderstorm Wind
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Toombsboro	05	1815EST			0	0	3	?	Lightning
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Numerous trees and limbs were torn down by strong winds over Wilkinson County. Power outages developed after utility lines were torn down. Georgia Highway 441 was blocked south of Irwinton and Georgia Highway 57 was blocked west of town.

Lightning struck a storage building and started a fire in Toombsboro near the intersection of Georgia Highways 112 and 57.

Madison County 2NNE Danielsville	05	1820EST			0	0	3	?	Thunderstorm Wind
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Strong winds pushed trees across United States Highway 29 north of Danielsville.

Houston County Perry	05	1830EST			0	0	2	?	Thunderstorm Wind
Perry	05	1830EST			0	0	4	?	Lightning

Lightning struck an public safety building and damaged six radio consoles. The damages to the equipment cost near \$30,000. A tree was blown down near Perry.

Oglethorpe County Southern Oglethorpe County	05	1840EST			0	0	3	?	Thunderstorm Wind
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Strong winds pushed trees onto power lines over the southern portion of Oglethorpe County.

Taliaferro County Countywide	05	1915EST			0	0	3	?	Thunderstorm Wind
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Numerous trees and power lines were downed over a large portion of Taliaferro County.

GAZ001-0013 Most of Georgia	08	All Day-			0	41	?	?	Heat Wave
	11	All Day							

A heat wave developed over Georgia and pushed afternoon temperatures into the upper 90s over a large portion of the state for several days. At Fort Benning near Columbus, 31 soldiers were

# Storm Data and Unusual Weather Phenomena

July 1992

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

## GEORGIA Cont'd

treated on July 8th for heat exhaustion and heat-related illnesses. Citizens were treated for heat-related illnesses in Rockdale, Gwinnett, Ware, Chattahoochee, and Muscogee Counties.

Crawford County IS Roberta	10	1545EST			0	0	?	?	Hail (.75)
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Peach County Countywide	10	1630EST			0	0	3	?	Thunderstorm Wind
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Scattered trees were blown down over Peach County. Power lines were downed over the area.

Twiggs County 1W Jeffersonville	10	1715EST			0	0	?	?	Hail (1.75)
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Monroe County Countywide	10	1720EST			0	0	3	?	Thunderstorm Wind
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Numerous trees were knocked down over Monroe County.

Muscogee County Columbus	11	1700EST			1	0	?	?	Excessive Heat
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One man died at home in Columbus due to excessive heat. Time is estimated. (M63P)

Crawford County Knoxville	12	1350EST			0	0	5	?	Thunderstorm Wind
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Strong winds toppled three large chicken houses near Knoxville.

Richmond County Augusta Hepzibah	12	1445EST			0	0	2	?	Thunderstorm Wind
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A few utility lines and tree limbs were blown down by strong winds around Augusta and Hepzibah. Brief outages developed.

Harris County Cataula	12	1650EST			0	0	2	?	Thunderstorm Wind
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Muscogee County Columbus	12	1650EST			0	0	2	?	Thunderstorm Wind
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About 1,000 business and residences were left without power after a tree and strong winds tore down lines in Columbus. In Cataula, about 50 residents were without power due to the storm.

Glynn County Brunswick	13	1700EST			0	1	?	?	Lightning
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A man had minor injuries after being struck by lightning. Time is estimated.

Webster County Centerpoint	13	1400EST			0	0	2	?	Thunderstorm Wind
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Several large limbs and one tree were downed by strong winds south of Preston around the Centerpoint community.

Fulton County Atlanta	13	1755EST			0	2	?	?	Lightning
Atlanta	13	1755EST			0	0	2	?	Thunderstorm Wind

Two people were struck by lightning and received minor injuries. Lightning strikes and large tree limbs on power lines caused outages that left about 6,000 residents without power.

Lee County Smithville Western Lee County	13	1930EST			0	0	3	?	Thunderstorm Wind
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Scattered power outages developed after several large limbs were pushed into lines near Smithville and rural sections of western Lee County.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## GEORGIA Cont'd

Fulton County Atlanta Countywide Gwinnett County Countywide	15	1500EST			0	0	3	?	Thunderstorm Wind Lightning
	15	1500EST			0	0	?	?	Lightning

A tree was pushed onto a utility line in Atlanta. Power outages developed over western Fulton County and Gwinnett Counties due to wind and lightning. About 6,000 residents were left without power.

Floyd County Rome Countywide	17	1835EST			0	0	4	?	Thunderstorm Wind
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Scattered trees were uprooted around Rome and at other locations in Floyd County. Power lines were torn down; outages resulted. Minor wind damages occurred in Rome to two buildings.

Bartow County Countywide	17	1919EST			0	0	3	?	Thunderstorm Wind
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Scattered trees were pushed down by strong winds onto power lines over Bartow County. Several roads were blocked.

Cherokee County Ball Ground	17	2000EST			0	0	3	?	Thunderstorm Wind
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Numerous trees were downed around Ball Ground.

Bulloch County Statesboro	18	1820EST			0	0	4	?	Flash Flood
Effingham County Eden	18	1830EST			0	0	2	?	Flash Flood

Several streets were flooded in Statesboro after heavy rainfall developed over Bulloch County. Rainfall amounts in Statesboro ranged from 5 to 6 inches before the rain dissipated.

Water rose into some houses in Statesboro. Offices in the Bulloch County Hospital were flooded. Damages were minor.

In Effingham County, flooding developed over low-lying areas around Eden. Little damage occurred.

Baldwin County Milledgeville Milledgeville	21	1335EST			0	0	3	?	Lightning
	21	1340EST			0	0	5	?	Flash Flood

A strong thunderstorm developed over Milledgeville and dumped over two inches of rain over the city and caused flash floods. An apartment building was flooded and water reached the tops of automobiles in the parking lot. Floods washed out part of the roadbed of a railroad track.

Lightning struck a home and caused very minor damages. One tree was pushed down about two miles east of Milledgeville.

Chattooga County Summerville	22	1230EST			0	0	5	?	Lightning
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Lightning struck the Chattooga County Hospital and caused about \$55,000 in damages to computers and medical equipment.

Columbia County Martinez	22	1525EST			0	0	4	?	Lightning
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Lightning struck a home and caused damages. Time is estimated.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## GEORGIA Cont'd

<b>Muscogee County</b> Columbus	22	1725EST			0	0	4	?	<b>Lightning</b>
	Lightning strikes damaged electrical equipment and left about 2,700 customers without power.								
<b>Bibb County</b> 2NW Macon (MCN)	22	1805EST			0	0	3	?	<b>Thunderstorm Wind</b>
Macon (MCN)	22	1815EST			0	0	?	?	<b>Flash Flood</b>
	Several trees were blown down just northwest of the Macon Airport. Flooding developed at the southern end of the airport.								
<b>Carroll County</b> 3NW Tyus	23	1655EST			0	0	4	?	<b>Lightning</b>
Carrollton	23	1655EST			0	0	4	?	<b>Flash Flood</b>
4SW Carrollton	23	1655EST			0	0	3	?	<b>Thunderstorm Wind</b>
	Strong winds damaged a storage building outside of Carrollton. Flash floods developed over the city. A furniture store had damages to some carpet and furniture. Lightning set a barn afire near Tyus.								
<b>Lowndes County</b> Valdosta	28	1715EST			0	0	3	?	<b>Thunderstorm Wind</b>
Countywide	28	1715EST			0	0	3	?	<b>Thunderstorm Wind</b>
	Scattered trees and limbs were downed in Valdosta and over Lowndes County during a thunderstorm. One tree fell on a delivery truck in Valdosta and caused minor damages. Isolated power outages occurred. Street flooding developed.								
<b>Grady County</b> Calvary	30	1535EST			0	0	3	?	<b>Thunderstorm Wind</b>
	Several trees were downed by strong thunderstorm winds over the southwestern portion of Grady County at Calvary.								
<b>Gordon County</b> Calhoun	31	1340EST			0	1	?	?	<b>Lightning</b>
Calhoun	31	1340EST			0	0	3	?	<b>Thunderstorm Wind</b>
	A man was struck by lightning. The winds damaged one power lines and blew a residential gas tank over.								
<b>Cobb County</b> 3W Marietta	31	1419EST			0	0	3	?	<b>Lightning</b>
	One house was struck by lightning and had minor damages.								
<b>Peach County</b> Eastern Peach County	31	1615EST			0	0	3	?	<b>Thunderstorm Wind</b>
	A few trees were uprooted and tore down power lines over eastern Peach County. Isolated outages developed.								
<b>Putnam County</b> Countywide	31	1635EST			0	0	3	?	<b>Thunderstorm Wind</b>
	Scattered trees and power lines were torn down by strong winds Outages developed over the entire county.								
<b>Pulaski County</b> Hawkinsville	31	1744EST			0	0	3	?	<b>Thunderstorm Wind</b>
	Several trees were uprooted in Hawkinsville.								

# Storm Data and Unusual Weather Phenomena

July 1992

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

## GEORGIA Cont'd

Treutlen County 4N Soperton	31	1850EST			0	0	3	?	Thunderstorm Wind
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Scattered trees were blown down near Georgia Highway 15 and Interstate 16.

## IDAHO

Entire State	01- 31				0	0	?	8	Extreme Drought
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Southern Idaho remained in extreme drought while the north was in moderate to severe drought. Some rivers of southwestern Idaho established new record low average flows for July. Lucky Peak Reservoir near Boise was almost empty by the end of July. Many farmers cut production and/or incurred increased costs.

Lewis County Greencreek	02	1230PST- 1330PST			0	0	4	5	Hail
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Automobiles and roofs were damaged at Greencreek. Grain damage occurred in Greencreek, Winona, Kamiah, Cottonwood, and Fenn. Most of the grain damage was from 0.50-inch diameter hail.

Idaho County 12 SE Lolo Pass	08	0830PST			2	0	5	0	Thunderstorm
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A twin-engine light aircraft crashed in "heavy weather" on a mountain ridge at an elevation of 6200 feet. Radar reports indicated heavy thunderstorms in the area of the crash. (M62V, F62V)

Oneida County 17 W Holbrook	13	1415MST			0	0	3	0	Hail (1.0)
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Large hail broke windshields and dented vehicles on Interstate 84 near the Juniper Exit-263. Hail accumulated 4 inches deep.

Boise County Gardena	17	1400MST- 1700MST			0	0	4	5	Dry Heat
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With temperatures in the upper 90's and relative humidity near 12 percent, sparks from a flat tire on a car being towed by a motorhome set multiple fires for several miles along the east side of the Payette River which then raced up steep canyon walls, joining together into a mass fire that spotted over the ridge top into the adjacent Hill Creek drainage to the east rapidly burning 6200 acres of brush and timber cured by extreme drought. Lofted embers were also carried westward causing spot fires west of the Payette River.

Teton County 3 E Driggs	19	1310MST- 1311MST			0	0	0	0	Funnel Cloud
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The sheriff reported that a short-lived funnel cloud moved eastward from Idaho into Wyoming.

IDZ006-011 Central Mountains	19	1430MST- 1930MST			0	0	?	?	Lightning
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Scores of wildlands fires were ignited by lightning.

Owyhee County 8 W Grandview	20	1445MST			0	0	0	0	Hail (1.75)
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Canyon County Parma	20	1505MST			0	0	4	0	Lightning
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Lightning exploded chunks of cement out of the entrance walkway of the Parma High School. The electrical and phone wiring of the school was also damaged.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>IDAHO Cont'd</b>									
<b>Bannock County Pocatello</b>	20	1600MST			0	0	4	0	<b>Thunderstorm Winds</b>
	Several wind-toppled trees cut powerlines.								
<b>Jefferson County Lewisville</b>	20	1643MST			0	1	0	0	<b>Thunderstorm</b>
	Thunderstorm gusts caused a tree to fall on an elderly lady hospitalizing her.								
<b>Ada County Boise</b>	20	1600MST			0	0	4	0	<b>Lightning</b>
	Lightning ignited a 150-acre grass fire behind Micron Incorporated which was extinguished by 2030MST.								
<b>Cassia County 2 W Burley</b>	22	1530MST			0	0	5	0	<b>Thunderstorm Winds</b>
	Microbursts knocked over trees and powerpoles and unroofed several buildings. Power poles fell on two automobiles.								
<b>Minidoka County Rupert</b>	22	1545MST			0	0	5	4	<b>Thunderstorm Winds</b>
	A microburst toppled 9 powerpoles, knocked over at least 2 dozen trees, damaged irrigation wheel-lines, destroyed several sheds, and caused roof and structural damage to some stores and homes. Numerous birds of several species were described to be stunned by the microburst and lying in shock on lawns. Lightning ignited an 800-acre grass fire 3 miles south of Rupert at 1630MST.								
<b>Adams County Hells Canyon DAM</b>	22	1545MST	.5	200	0	0	3	0	<b>Tornado (F0)</b>
	The road from the dam to the campground north of the dam was strewn with wood debris and fallen boulders. Motorists on the west side of the Snake River called the storm a tornado with rotating winds, an incredible roar, and a white opaque cloud that at one point surrounded them. Winds blew out the passenger side window and lifted the passenger side tires 2 or 3 feet off the ground. Rocks flying through the air dented the car. A jet boat pilot who experienced the storm on the river was said to appear as though he were suffering from shock and hypothermia.								
<b>Washington County Weiser</b>	22	1635MST			0	0	?	?	<b>Hail (0.75)</b>
	Thunderstorm winds were extreme in Weiser and were measured at 77 mph by an automated weather station on Dead Indian Ridge west of Weiser.								
<b>Payette County Fruitland</b>	22	1645MST			0	0	3	?	<b>Thunderstorm Winds (G56)</b>
	Hail covered the ground at Parma and Fruitland.								
<b>IDZ002 Treasure Valley</b>	22	1700MST- 1900MST			0	0	?	0	<b>Duststorm</b>
	Widespread blowing dust reduced driving visibility to near zero.								
<b>Washington County Weiser</b>	22	1719MST- 1749MST			0	0	5	5	<b>Hail (1.75)</b>
	Hailstones broke windows and damaged onions as well as other crops near Weiser. Winds broke tree limbs and damaged some roofs.								
<b>IDZ007-002-004 Southeast Portion</b>	22	1800MST- 2300MST			0	0	?	?	<b>Lightning</b>
	Numerous small fires were set by lightning.								

# Storm Data and Unusual Weather Phenomena

July 1992

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

## IDAHO Cont'd

IDZ010- 012-003-004 Southeast Portion	28	1400MST- 1800MST			0	0	?	?	Lightning
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Lightning ignited a 15-acre grain field south of Dubois. A 400-acre fire was ignited near Preston. Numerous smaller fires were set.

IDZ006-010-003 Central Mountains and Southeast	30	1300MST- 2000MST			0	0	0	6	Lightning
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Lightning ignited several wildlands fires. The largest was the County Line fire in Custer County about 25 miles northwest of Stanley in the rugged Sawtooth Mountains. The County Line fire was ignited in the evening and did not start to spread until the following afternoon in association with diurnal upslope winds and a Haines Index of 6 (i.e., an extreme dry unstable airmass), burning 5200 acres of Alpine fir and Lodgepole pine by August 2. The County Line fire consumed another 3000 acres after an upper air trough of low pressure passage on August 4 with a Haines Index of 6. The Horsefly fire burned 3000 acres of timber and brush in northern Lemhi county near Shoup.

Boise	31	Afternoon			0	?	?	?	Hot Temperature
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A new record temperature for the date of 106° was set at Boise.

## ILLINOIS

Carroll County Mt. Carroll	02	1047CST			0	0	?	0	Thunderstorm Winds
Mt. Carroll	02	1057CST			0	0	?	0	Thunderstorm Winds
Stephenson County Freeport	02	1120CST			0	0	?	0	Thunderstorm Winds
Ogle County Polo	02	1122CST			0	0	?	0	Thunderstorm Winds
Lee County Dixon	02	1137CST			0	0	?	0	Thunderstorm Winds

The Carroll County Sheriff's Office estimated winds of 60 mph. A sheriff's deputy estimated wind gusts of 60 to 70 mph, 4 miles south of Mt. Carroll. Winds were estimated to be 60 mph by a SKYWARN spotter at Freeport. SKYWARN spotters reported five large trees blown down at Polo. The Lee County Sheriff's Office estimated winds at 60 mph. There were numerous large tree limbs down.

Mercer County Aledo	02	1150CST			0	0	3	0	Thunderstorm Winds
Warren County Monmouth	02	1200CST			0	0	?	0	Thunderstorm Winds
Henderson County Oquawka	02	1200CST			0	0	?	0	Thunderstorm Winds

As thunderstorms entered Mercer County, trees and power lines were blown down in the communities of Aledo and Keithsburg. Highways 164 and 135 at Monmouth were blocked by downed trees. Trees blocked highway 164 at Oquawka.

DeKalb County DeKalb	02	1200CST			0	0	?	0	Thunderstorm Winds (G52)
DeKalb	02	1215CST			0	0	?	0	Thunderstorm Winds

The SKYWARN group at Northern Illinois University recorded winds of 60 mph at the university weather office. They also reported numerous large tree limbs down. Commonwealth Edison Power Company reported lines down just south of the city limits of DeKalb.

Knox County Galesburg	02	1205CST			0	0	?	0	Thunderstorm Winds
Warren County Monmouth	02	1210CST			0	0	?	0	Thunderstorm Winds

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### ILLINOIS Cont'd

#### Hancock County

Nauvoo	02	1225CST			0	0	?	0	Thunderstorm Winds
St. Mary	02	1243CST			0	0	?	0	Thunderstorm Winds

Trees and power lines were downed and a barn was demolished at St. Mary.

#### Henry County

1 E Cambridge	02	1218CST			0	0	3	0	Thunderstorm Winds
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#### Whiteside County

Fulton	02	1219CST			0	0	4	?	Thunderstorm Winds
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A lone power pole was blown down shortly after 1200 CST just east of Cambridge. Some of the major damage of the day was reported at Fulton, where numerous trees and power lines were downed. Some of the trees and tree limbs were blown on top of homes and buildings causing most of the damage.

#### Peoria County

Peoria	02	1253CST			0	0	6	0	Thunderstorm Winds
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Peoria	02	1302CST-			0	0	?	0	Thunderstorm Winds
		1308CST							

#### Tazewell County

Creve Coeur	02	1310CST			0	0	?	0	Thunderstorm Winds
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#### Peoria County

Chillicothe	02	1316CST			0	0	?	0	Thunderstorm Winds
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#### Woodford County

Metamora	02	1317CST			0	0	?	0	Thunderstorm Winds
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Roanoke	02	1327CST			0	0	?	0	Thunderstorm Winds (G52)
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A severe thunderstorm produced a 67-mph wind gust at the Peoria National Weather Service office. As the storm passed over Peoria, winds caused widespread damage to structures and trees. Trees and power lines were downed near Koerner Road. An Emergency Service and Disaster Agency spotter measured 70-mph winds at Main Street and Sheridan Street. Large trees were downed on Adams Street. A tree was blown onto a home on Wilcox Street. The roof was blown off of a community recreation center at Creve Coeur. In Chillicothe, a home at 3rd and Sycamore Street was demolished by winds and falling trees. There was heavy roof damage to several homes in Metamora. A wind gust was measured at 60 mph at the Emergency Service and Disaster Agency Emergency Operations Center in Roanoke.

#### Adams County

8 SE Quincy	02	1304CST			0	0	0	0	Funnel Cloud
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2 S Quincy	02	1305CST	0.1	25	0	0	0	0	Tornado (F0)
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Quincy	02	1310CST	0.8	30	0	0	3	0	Tornado (F0)
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Baldwin Field	02	1338CST	0.2	35	0	0	0	0	Tornado (F0)
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A cooperative observer reported a funnel cloud 10 miles southwest of Baldwin Field (Quincy Municipal Airport). The public reported a brief touchdown. No damage was reported. A tornado was reported by the public at Highway 57 and South 24th Street. Damage was reported at 48th Street and Harrison in Quincy. The tornado was on the ground until 1317 CST. The weather observer reported a tornado at Baldwin Field (Quincy Municipal Airport). The tornado touched down in an open field and no damage was reported.

#### Kendall and Kane County

Aurora	02	1320CST			0	0	?	0	Thunderstorm Winds
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Batavia	02	1327CST			0	0	4	0	Thunderstorm Winds
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#### McHenry County

Algonquin	02	1332CST			0	0	?	0	Thunderstorm Winds
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Trees, large tree limbs and power lines were blown down. A wall of a department store under construction blew down in Batavia.

#### DuPage County

West Chicago	02	1332CST			0	0	?	0	Thunderstorm Winds (G70)
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Wheaton	02	1337CST			0	0	?	0	Thunderstorm Winds
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Naperville	02	1345CST			0	0	?	0	Thunderstorm Winds
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<b>ILLINOIS Cont'd</b>									
Woodridge	02	1345CST			0	10	?	0	Thunderstorm Winds
Bartlett	02	1345CST			0	2	0	0	Lightning
Bensenville and Elmhurst	02	1351CST			0	0	?	0	Thunderstorm Winds
<p>Winds sent shopping carts flying through the air at Danada Shopping Center near Wheaton. One shopping cart was lodged in a window of a van. Store roofs were damaged and cars were damaged by flying debris. Industrial-size garbage dumpsters were blown over. Trees were blown down on power lines and houses in Warrenville. Windows were broken and trees and power lines were downed in Naperville. Six apartment buildings sustained roof damage on the north side of Naperville. In Woodridge, two walls of a department store under construction collapsed injuring 10 workers. Two 15-year-old boys were injured when lightning struck a nearby tree as they were walking down the street. Buildings were damaged by winds in Elmhurst and Bensenville.</p>									
Grundy County Mazon Morris	02	1345CST			0	0	4	?	Thunderstorm Winds
Livingston County Pontiac Cornell	02	1356CST			0	0	?	0	Thunderstorm Winds
<p>A roof was removed from an apartment building in Morris. Damage was estimated at \$30,000. A speedboat crashed into a rocky shoreline of the Illinois River near Morris during the storm. The roof of a bank was damaged in Mazon. Trees and large limbs were blown down in Livingston County.</p>									
Will County Romeoville Bolingbrook Plainfield Joliet Channahon New Lenox Elwood Manhattan	02	1345CST			0	0	?	0	Thunderstorm Winds
	02	1352CST			0	0	?	0	Thunderstorm Winds (G63)
	02	1405CST			0	0	?	0	Thunderstorm Winds
<p>Trees and power lines were downed in Bolingbrook and Romeoville. Part of the roof of a Bolingbrook fire station was damaged. A construction trailer was overturned at the Williams Glen subdivision in Bolingbrook. In Elwood, a tree fell on a house. A camper was overturned at U.S. Highway 52 and Baker Road near Manhattan. Trees and powerlines were damaged in Joliet. A portable office building being moved on Route 59 was overturned north of Plainfield. In Channahon, tree limbs were blown down and a mobile home roof was ripped off. A tree fell on two cars in New Lenox. Trees and limbs also fell on houses. A 72-mph wind gust was recorded at Howell Airport in New Lenox.</p>									
McLean County Gridley	02	1350CST			0	0	?	?	Thunderstorm Winds
<p>Wind gusts to 60 mph were measured.</p>									
Cook County Lemont Berwyn MDW Palos Hills Chicago CGX Chicago Heights Lake County Deerfield	02	1350CST			0	1	0	0	Thunderstorm Winds
	02	1355CST			0	0	?	0	Thunderstorm Winds
	02	1355CST			0	0	0	0	Thunderstorm Winds (G50)
	02	1355CST			0	0	?	0	Thunderstorm Winds
	02	1400CST			0	37	0	0	Thunderstorm Winds
	02	1400CST			0	0	?	0	Thunderstorm Winds (G75)
	02	1405CST			0	0	?	0	Lightning
	02	1400CST			0	0	?	0	Thunderstorm Winds
<p>Trees were blown down across railroad tracks in Berwyn. An O'Hare Airport remote parking bus company trailer was overturned, injuring two people. In Chicago, roofs were damaged and hundreds of windows were blown in by winds. Trees were also blown down throughout the city. Two window washers were trapped for half an hour on a 43-story apartment building. Two women</p>									

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## ILLINOIS Cont'd

were seriously injured when they were blown onto the L tracks. In Palos Hills, the roof of a town house was blown off. Near Belmont Harbor, on the north side of Chicago, 17 of 30 boats piloted by teenagers capsized during a Midwest Youth Sailing Association regatta. Thirty-three people were injured at the Taste of Chicago food festival downtown. Tents collapsed and people were injured by flying debris. A plane was flipped over when an 86-mph wind gust blasted Meigs Field. In Lemont, 20,000 spectators had to be evacuated from Cog Hill Golf Course at the Western Open when thunderstorms hit. Nine hospitality tents blew down. One person was injured. In Chicago Heights, lightning started a fire at a chemical plant. Fumes sent 66 people to the hospital. Trees and limbs were blown down in southern Lake County. In Chicago Heights, lightning started a fire at a chemical plant. Fumes sent 66 people to the hospital

Kankakee County	02	1415CST			0 0	? 0	Thunderstorm Winds
Trees were blown down throughout the county.							
Fulton County Fairview	02	1420CST			0 0	? ?	Hail (0.75)
Mason County Mason City	02	1420CST			0 0	? 0	Thunderstorm Winds
Schuyler County Littleton	02	1428CST			0 0	? 0	Thunderstorm Winds
Cass County Virginia	02	1435CST			0 0	0 0	Thunderstorm Winds
Menard County Greenview	02	1439CST			0 0	0 0	Thunderstorm Winds
Petersburg	02	1441CST			0 0	0 0	Thunderstorm Winds
Logan County Middletown	02	1445CST			0 0	0 0	Thunderstorm Winds
Lincoln	02	1455CST			0 0	0 0	Thunderstorm Winds
5 WSW Lincoln	02	1458CST			0 0	0 0	Thunderstorm Winds (G52)

Trees were downed in Mason City. A wind gust of 60 mph was measured by a spotter in Littleton. Thunderstorm winds blew down numerous tree limbs in Virginia. Several trees were blown over in Greenview. Numerous tree limbs and a television antenna were blown down in Petersburg. Numerous tree limbs were blown down in Middletown. Estimated thunderstorm winds of 50 to 60 mph and pea-size hail were reported in Lincoln by an off-duty weather service employee. Numerous tree limbs were blown down. Spotter reported 60-mph winds and marble-size hail 5 miles west-southwest of Lincoln.

Ford County Piper City	02	1500CST			0 0	? 0	Thunderstorm Winds
Iroquois County Watseka	02	1500CST			0 0	? 0	Thunderstorm Winds
Watseka	02	1500CST			0 0	4 0	Lightning

Trees and limbs were blown down and power lines were downed at Piper City and throughout Iroquois County. Four miniature horses were killed by lightning at Watseka. The horses were valued at \$10,000.

Schuyler County Brooklyn	02	1520CST			0 0	? 0	Thunderstorm Winds
McDonough County Macomb	02	1530CST			0 0	? 0	Thunderstorm Winds
Fulton County Astoria	02	1535CST			0 0	? 0	Thunderstorm Winds

Trees were downed on Highway 101 in Wienberg-King State Park. A few trees were blown down in McDonough and Fulton Counties.

Sangamon County Springfield	02	1520CST			0 0	0 0	Thunderstorm Winds
Sherman	02	1530CST			0 0	3 0	Thunderstorm Winds
DeWitt County 5 E Clinton	02	1533CST			0 0	0 0	Thunderstorm Winds

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### ILLINOIS Cont'd

Numerous tree limbs were blown down in Springfield. Numerous trees, tree limbs, and power lines were blown down in Sherman. Marble-size hail fell and tree limbs were blown down 5 miles east of Clinton.

Pike County Griggsville	02	1540CST			0	0	4	0	Thunderstorm Winds
1 S Florence	02	1555CST	0.1	25	0	0	0	0	Tornado (F0)
Pittsfield	02	1600CST			0	0	4	0	Thunderstorm Winds
Pleasant Hill	02	1605CST			0	0	3	0	Thunderstorm Winds
Scott County Winchester	02	1600CST			0	0	4	0	Thunderstorm Winds
Naples	02	1615CST			0	0	3	0	Thunderstorm Winds

The sheriff's office reported windows blown out and some structural damage to a building at Griggsville. Radio station WBBA reported a barn was destroyed and the glass was blown out of a general store. The sheriff's office reported a brief tornado touchdown south of Florence near the Scott County line. Several large trees were blown down which damaged surrounding homes. Trees were blown down at Pleasant Hill. The sheriff's office reported trees down in Winchester and south of Winchester. One tree fell and damaged a house. The sheriff's office reported trees down in Naples.

Mason County Havana	02	1605CST			0	0	?	0	Thunderstorm Winds
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Trees were downed by thunderstorm winds and were blocking the roadways.

Macoupin County Hettick Palmyra Bunker Hill	02	1610CST			0	0	2	0	Thunderstorm Winds
Morgan County Jacksonville	02	1612CST- 1618CST			0	0	3	0	Thunderstorm Winds

Numerous power lines were blown down in Macoupin County. Several power lines were blown down and trees were blown onto power lines in Jacksonville. A tree was also blown onto a road at Jacksonville.

Champaign County 4 SW Champaign	02	1613CST			0	0	0	0	Hail (0.75)
Greene County 1 W White Hall	02	1621CST			0	0	3	0	Thunderstorm Winds
Carrollton	02	1625CST			0	0	3	0	Thunderstorm Winds

The sheriff's office reported many power lines and large trees down.

Brown County 8 S Mt. Sterling	02	1625CST			0	0	3	0	Thunderstorm Winds
Cass County Beardstown	02	1623CST			0	0	0	0	Thunderstorm Winds
Menard County Athens	02	1640CST			0	0	3	0	Thunderstorm Winds

Large trees and power lines were blown down.

Macoupin County Palmyra	02	1650CST			0	0	0	0	Thunderstorm Winds
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Power lines were blown down.

Douglas County Tuscola	02	1715CST			0	0	3	0	Thunderstorm Winds
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Thunderstorm winds blew down several power lines and broke a power pole in half in Tuscola.

Macoupin County Carlinville	02	1754CST			0	0	3	0	Thunderstorm Winds
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### ILLINOIS Cont'd

Montgomery County Hillsboro Litchfield	02	1800CST			0 0	2 0	Thunderstorm Winds
Numerous tree limbs and power lines were blown down.							
Cumberland County Toledo	02	1815CST			0 0	3 0	Thunderstorm Winds
Many tree limbs and power lines were blown down.							
Jersey County Southwestern Portion	02	1850CST			0 0	3 0	Thunderstorm Winds
The sheriff's office reported trees and power lines down in the southwestern part of Jersey County.							
Fayette County Vandalia	02	1850CST			0 0	0 0	Hail (0.88)
The sheriff's office reported nickel-size hail.							
Crawford County Palestine	02	1855CST			0 0	3 1	Thunderstorm Winds
Robinson	02	1855CST			0 0	3 1	Thunderstorm Winds
Trees and power lines were blown down.							
Adams County Baldwin Field	02	1910CST			0 0	0 0	Thunderstorm Winds (G53)
Eastern Portion	02	1930CST			0 0	4 3	Thunderstorm Winds
Calhoun County Kampsville	02	1907CST			0 0	4 0	Thunderstorm Winds
Greene County 4 W Carrollton	02	1910CST			0 0	3 0	Thunderstorm Winds
Carrollton	02	1920CST			0 3	5 3	Thunderstorm Winds
Macoupin County Brighton	02	1920CST			0 0	0 0	Thunderstorm Winds (G52)
Jersey County 3S Jerseyville	02	1930CST			0 0	3 0	Thunderstorm Winds
Madison County Godfrey	02	1930CST			0 0	3 0	Thunderstorm Winds
Bethalto	02	1934CST			0 0	3 0	Thunderstorm Winds
Alhambra	02	1937CST			0 0	3 0	Thunderstorm Winds
Montgomery County Litchfield	02	1945CST			0 0	0 0	Thunderstorm Winds (G56)
Macoupin County Carlinville	02	1950CST			0 0	3 0	Thunderstorm Winds

A wind gust to 61 mph was recorded at Baldwin Field (Quincy Municipal Airport). The sheriff's office reported widespread tree damage across eastern parts of the county between 1930 CST and 1950 CST. The Calhoun County Sheriff's Office reported several large trees blown down on top of a couple mobile homes. The Greene County Sheriff's Office reported many trees down 2 to 5 miles west of Carrollton. The sheriff's office reported many trees and power lines down. Some of these trees fell on cars injuring three people. The Jersey County Sheriff's Office reported many trees down 2 to 4 miles south of Jerseyville. The Madison County Sheriff's Office reported many trees blown down. Some street flooding was also reported in Godfrey. A farmer reported 65-mph winds near Litchfield. The roof of a store in Carlinville was damaged by thunderstorm winds. Damage was estimated around \$4,000.

Schuyler County Rushville	02	1945CST			0 0	? ?	Thunderstorm Winds
Cass County Beardstown	02	1950CST			0 0	0 0	Thunderstorm Winds
Brown County Ripley	02	1950CST			0 0	3 0	Thunderstorm Winds

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<b>ILLINOIS Cont'd</b>									
<b>Pike County</b> 2 N Perry	02	1950CST			0	0	3	0	Thunderstorm Winds
									Trees and power lines were downed at Rushville. Several tree limbs were blown down in Beardstown. The Brown County Sheriff's Office reported large trees down in and southwest of Ripley. The Pike County Sheriff's Office reported trees blown down and blocking Highway 104.
<b>Sangamon County</b> Auburn	02	2000CST			0	0	0	0	Thunderstorm Winds
<b>Macoupin County</b> Gillespie	02	2010CST			0	0	3	0	Thunderstorm Winds
<b>Menard County</b> 2 N Petersburg	02	2018CST			0	0	0	0	Thunderstorm Winds (G52)
<b>Mason County</b> Havana	02	2020CST			0	0	?	0	Thunderstorm Winds
<b>Manito</b>	02	2032CST			0	0	?	0	Thunderstorm Winds
<b>Morgan County</b> Jacksonville	02	2030CST			0	0	3	0	Thunderstorm Winds
									Numerous tree limbs were blown down near Auburn. At Gillespie, two cars were damaged when limbs and power lines were blown down on top of them. Also, a store window was blown out and several trees were blown down. Trees were downed by winds at Havana. A winds gust of 60 mph was measured at the Mason County Sheriff's Office. Trees and numerous power lines were blown down at Jacksonville.
<b>Fayette County</b> Vandalia	02	2040CST			0	0	4	0	Thunderstorm Winds
<b>St. Elmo</b>	02	2045CST			0	0	4	0	Thunderstorm Winds
									The sheriff's office reported telephone poles and large trees down. A VFW club building was damaged by large trees. Trees were also blown down just west of Vandalia.
<b>Randolph County</b> 2 E Sparta	02	2100CST			0	0	4	0	Thunderstorm Winds
									The sheriff's office reported power lines blown down east of Sparta.
<b>Morgan County</b> Jacksonville	02	2139CST			0	0	?	0	Thunderstorm Winds
									A tree was blown down in Jacksonville by thunderstorm winds.
<b>Sangamon County</b> Springfield	03	0035CST			0	0	0	0	Thunderstorm Winds (G52)
<b>Morgan County</b> Waverly	03	0108CST			0	0	0	3	Thunderstorm Winds
									A wind gust to 60 mph occurred at Springfield. Thunderstorm winds, estimated to be 65 mph, damaged crops at Waverly.
<b>Pulaski County</b> Mounds	04	1625CST			0	0	0	?	Hail (1.00)
<b>Alexander County</b> Miller City	04	1625CST			0	0	0	?	Hail (1.75)
<b>Massac County</b> Metropolis	04	1725CST			0	0	0	?	Hail (1.50)
<b>St. Clair County</b> 2 SW Belleville	04	1820CST			0	0	3	3	Hail (1.50)
<b>Freeburg</b>	04	1830CST-			0	0	4	0	Flash Flood
<b>Freeburg</b>	04	2000CST			0	0	3	0	Hail (1.75)
<b>Freeburg</b>	04	1835CST			0	0	3	0	Thunderstorm Winds
<b>Clinton County</b> Trenton	04	1835CST			0	0	4	0	Thunderstorm Winds (G70)

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## ILLINOIS Cont'd

Emergency Service and Disaster Agency county officials reported large hail southwest of Belleville and in Freeburg. The Freeburg County defense director reported flooding on area roads with 3 to 5 feet of water over them stranding six motorists and flooding many basements. Many large trees were also knocked down. Emergency Service and Disaster Agency county officials reported wind gusts to 80 mph near Trenton. A camper was overturned from the wind.

St. Clair County  
2 SE New Athens  
to Marrisa

04	1911CST- 1926CST	6.0	50	0	0	6	3	Tornado (F1)
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The New Athens Police Department reported a tornado touchdown initially between Route 13 and Five Forks Road near New Athens. Two outbuildings and a farm were damaged shortly after touchdown. The tornado tracked southeast along Highway 13 damaging two more farm buildings near Marrisa. Many trees and power lines were destroyed before the tornado lifted near Route 4.

Kane County  
Maple Park  
DuPage County  
Lisle  
Downers Grove

04	1951CST			0	0	3	0	Thunderstorm Winds
04	2008CST			0	0	3	0	Thunderstorm Winds
04	2010CST			0	0	?	0	Hail (1.75)

Winds damaged a barn and injured cattle at Maple Park. Winds toppled a large bungee jumping crane at Lisle.

Lawrence County  
5 SW Lawrence-  
ville  
Richland County  
Olney

05	1855CST			0	0	2	1	Thunderstorm Winds
05	1925CST			0	0	3	1	Thunderstorm Winds

Trees, large limbs and power lines were blown down.

Cook County  
Sauk Village

08	1535CST			0	0	?	0	Thunderstorm Winds
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Police reported three trees and several branches were blown down.

Grundy County  
Mazon

08	1540CST			0	0	5	4	Thunderstorm Winds
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Winds damaged two mobile homes, one severely. Falling tree limbs damaged a house. Another house sustained roof damage. A farm building was also damaged.

Adams County  
1 N Kellersville  
Brown County  
5 NE Versailles

09	0935CST			0	0	3	0	Hail (1.75)
09	1005CST			0	0	0	0	Hail (1.00)

Personnel from the Illinois State Water Survey reported quarter- to golf ball-size hail near Kellersville. A spotter reported quarter-size hail near Versailles.

Macon County  
Decatur  
Decatur  
Mt. Zion  
Moultrie County  
Cadwell  
Arthur

09	1200CST			0	0	0	0	Hail (1.75)
09	1200CST			0	0	0	0	Thunderstorm Winds (G52)
09	1215CST			0	0	4	4	Hail (1.75)
09	1300CST			0	0	?	?	Hail (1.75)

Douglas County  
Arcola

09	1315CST			0	0	?	?	Hail (1.75)
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Coles County  
Charleston  
Fairgrange  
Charleston  
1 W Ashmore  
Ashmore

09	1330CST			0	0	5	0	Hail (1.75)
09	1336CST			0	0	6	0	Hail (2.50)
09	1336CST			0	0	4	0	Thunderstorm Winds
09	1350CST			0	0	0	7	Thunderstorm Winds
09	1350CST			0	0	?	?	Hail (2.50)

# Storm Data and Unusual Weather Phenomena

July 1992

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

## ILLINOIS Cont'd

Severe thunderstorms produced a swath of very large and damaging hail and damaging winds. Golf ball-size hail and 60-mph winds were reported in western sections of Decatur. Numerous roofs were damaged by the hail and nine homes sustained numerous broken windows. The hail dented automobiles and caused crop damage in a path from Mt. Zion to Casner. Spotters reported golf ball-size to near baseball-size hail in Charleston. Property damage from this storm in Coles County was estimated to be \$650,000. Trees were blown down on a home in Charleston. Thunderstorm winds and hail created extensive crop damage. The damage was estimated around \$5 million. Large hail severely damaged a church roof in Ashmore.

Clark County	09	1403CST			0	0	4	4	Thunderstorm Winds
Westfield	09	1403CST			0	0	5	6	Thunderstorm Winds
3 E Westfield									

Numerous large trees were blown down. Many acres of crops were destroyed and windows broken. Forty-three farms were affected. Damage to crops and property was estimated to be \$2,870,485.

Brown County	09	1625CST			0	0	2	0	Hail (1.75)
Mt. Sterling	09	1630CST			0	0	3	4	Hail (1.75)
3 SW Hersman									
Cass County									
10 W Arenzville	09	1633CST			0	0	0	0	Hail (0.75)
10 W Arenzville	09	1639CST			0	0	3	4	Hail (1.75)
7 SSW Beardstown	09	1643CST			0	0	0	0	Hail (1.75)
Morgan County									
Arcadia	09	1647CST			0	0	0	0	Hail (1.75)
Arcadia	09	1702CST			0	0	0	0	Funnel Cloud

The sheriff reported golf ball-size hail at Mt. Sterling. Later, the sheriff's office and a State Park Ranger reported quarter-size to golf ball-size hail falling in a swath from 3 miles southwest of Hersman to near LaGrange. Crop damage was reported. Marble-size and larger hail was reported 2 miles east of the Illinois River, along the Cass-Morgan County line. Several car windshields were broken and some corn crops were damaged by golf ball-size hail 10 miles west of Arenzville.

Sangamon County	09	1738CST			0	0	3	0	Thunderstorm Winds
Springfield	09	1754CST			0	0	4	0	Thunderstorm Winds
Rochester									
Springfield	09	1755CST			0	0	0	0	Thunderstorm Winds

Large tree limbs and power lines were blown down on the northern side of Springfield. A large tree was blown over onto a home causing damage estimated around \$12,000. Numerous large trees were blown over at the intersection of East Lake Drive and Forest Park.

Monroe County	10	1930CST			0	0	3	0	Thunderstorm Winds
2 S Renault									
Randolph County									
Red Bud	10	1940CST			0	0	2	0	Thunderstorm Winds
Coulterville	10	1942CST			0	0	3	0	Thunderstorm Winds

The sheriff's office reported several large trees down, one of which fell on a car damaging it. The Illinois State Police reported large trees down. Trees of undetermined size were also knocked down from wind at Prairie du Rocher. Power lines were knocked down in Coulterville from the same microburst storm.

White County	10	2010CST- 2210CST			0	0	3	3	Flash Flood
Saline and Hamilton Counties	10	2200CST			0	0	?	0	Flash Flood

Thunderstorms stalled over White County and dissipated. Between two and four inches of rain fell within a 1 to 2 hour time-frame resulting in numerous state and county roads becoming impassable due to high water. Flooding occurred on Route 142 in Saline and Hamilton Counties.

Jasper County	11	1940CST			0	0	4	3	Thunderstorm Winds
Newton									

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>ILLINOIS Cont'd</b>									
A thunderstorm left a 6-mile damage path from Newton to Hunt. A drive-in theater screen was blown over in Newton as people waited for the movie to begin. Numerous trees were blown down between Newton and Hunt blocking roads.									
<b>Macoupin County</b> 49 SW SPI	11	1950CST			0	0	0	0	Thunderstorm Winds
	Thunderstorm winds blew a tree down across Route 111 between Medora and Chesterfield.								
<b>Sangamon County</b> Rochester	11	2040CST			0	1	?	0	Lightning
	A 19-year-old woman was struck by lightning and injured.								
<b>Calhoun County</b> Brussels	11	1915CST			0	0	3	0	Thunderstorm Winds
	The sheriff's office reported large trees down.								
<b>Hancock County</b> Bowen	12	2145CST			0	0	?	?	Hail (0.75)
<b>Ogle County</b> Byron	13	1525CST			0	0	?	0	Thunderstorm Winds (G52)
<b>Winnebago County</b> Rockford	13	1540CST			0	0	?	0	Thunderstorm Winds
	Several large trees were blown down according to the Ogle County Sheriff's Office. Several large trees were downed about 5 miles southwest of the National Weather Service office in Rockford.								
<b>Rock Island County</b> Port Byron	13	1650CST			0	0	3	0	Thunderstorm Winds
Rock Island	13	1700CST			0	0	3	0	Lightning
Moline	As thunderstorms rolled into Illinois, whole trees were reported to be blown down in Port Byron Illinois. Later in the afternoon, lightning struck a major power transformer causing power outages in the cities of Rock Island and Moline.								
<b>McHenry County</b> Marengo	13	1715CST			0	2	?	0	Thunderstorm Winds
	Six mobile homes were overturned or damaged. Several trees were blown down.								
<b>St. Clair County</b> Mascoutah	14	1320CST			0	0	0	0	Thunderstorm Winds (G52)
	A wind gust to 60 mph was reported by the St. Clair Emergency Operations Center.								
<b>Perry County</b> 1 S DuQuoin	14	1520CST			0	0	3	0	Thunderstorm Winds
<b>Franklin County</b> 0.5 SE Benton	14	1552CST			0	0	2	0	Thunderstorm Winds
	Emergency Service and Disaster Agency officials reported several large trees and power lines down just south of Du Quoin. Trees were blown down across a road near Benton.								
<b>Pulaski County</b> Mound City	14	1745CST			0	0	4	0	Thunderstorm Winds
	A tree was blown down on a mobile home.								
<b>Randolph County</b> Baldwin Lake	16	1400CST			0	0	0	0	Thunderstorm Winds (G52)
<b>Monroe County</b> Kidd	16	1400CST			0	0	0	0	Hail (0.75)
Renault	16	1408CST			0	0	3	0	Hail (1.75)
<b>St. Clair County</b> Marissa	16	1420CST			0	0	3	0	Thunderstorm Winds
Fayetteville	16	1450CST			0	0	3	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>ILLINOIS Cont'd</b>									
Wind speeds to 60 mph were reported at Baldwin Lake. Dime-size hail was reported at Kidd by a local radio station. Golf ball-size hail was reported a few minutes later at Renault. Trees and power lines were knocked down in St. Clair County.									
<b>Clark County</b>									
Casey	16	1515CST			0	0	0	0	Thunderstorm Winds (G61)
Casey	16	1520CST			0	0	3	0	Thunderstorm Winds
A local radio station recorded 70-mph winds in Casey. Numerous tree limbs and power lines were blown down.									
<b>Bond County</b>									
Greenville	19	1810CST			0	0	?	0	Thunderstorm Winds
Pocahontas									
Large tree limbs were down on streets and power lines were downed in Greenville. At Pocahontas, A tree fell on a house and another fell on a mobile home.									
<b>Randolph County</b>									
Ruma	20	1330CST			0	0	0	0	Thunderstorm Winds (G52)
The Illinois State Police reported a wind gust to 60 mph.									
<b>Washington County</b>									
Okawville	20	1525CST			0	0	3	0	Thunderstorm Winds
Covington	20	1535CST			0	0	3	0	Thunderstorm Winds
Irvington	20	1600CST			0	0	3	0	Thunderstorm Winds
The sheriff's office reported power lines down at Okawville and Irvington with large trees uprooted at Covington.									
<b>McDonough County</b>									
Blandinsville	25	1610CST	7.0	100	0	0	?	?	Tornado (F0)
Macomb	25	1625CST	3.0	50	0	0	5	?	Tornado (F0)
A tornado moved from near Blandinsville in a non-continuous path through the northwest part of Macomb, ending at the campus of Western Illinois University in northwest Macomb.									
<b>Fulton County</b>									
Cuba	25	1740CST			0	0	?	?	Thunderstorm Winds
Damage to trees and tree tops was associated with a report of a funnel cloud.									
<b>Menard County</b>									
6 W Petersburg	29	2149CST			0	0	0	0	Thunderstorm Winds
<b>Logan County</b>									
Elkhart	29	2220CST			0	0	0	0	Thunderstorm Winds
A tree was blown down across a road near Petersburg. A large tree was blown down at Elkhart.									
<b>Macon County</b>									
Maroa	29	2331CST			0	0	0	0	Thunderstorm Winds
1 S Decatur	29	2340CST			0	0	4	0	Thunderstorm Winds
Several large tree limbs were blown down. Several power poles were blown down.									
<b>Douglas County</b>									
Arcola	30	0038CST			0	0	0	0	Hail (0.75)
<b>Coles County</b>									
1 E Oakland	30	1150CST	Short	Narrow	0	0	0	3	Tornado (F0)
A tornado touched down briefly in a cornfield near Route 133 just east of Oakland.									
<b>Edgar County</b>									
Paris	30	1225CST	Short	Narrow	0	0	4	?	Tornado (F0)
A tornado touched down briefly just north of Paris. Trees were blown down, windows were broken and a shed was destroyed at a farm. The power company reported several broken power poles.									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>INDIANA</b>									
Lake County Gary	02	1515EST			0	0	?	0	Thunderstorm Winds (G67)
	Trees were downed in Gary. A wind gust of 77 mph was recorded at the Gary Airport.								
Lake County Hobart Crown Point	02	1536EST			0	2	3	0	Thunderstorm Winds
	Trees were downed at Hobart. Two children were injured by lawn furniture that was picked up and thrown by the wind in Crown Point.								
Porter County Boone Grove	02	1550EST			0	0	0	0	Thunderstorm Winds
	Trees and tree limbs were damaged.								
LaPorte County	02	1600EST			0	0	0	0	Thunderstorm Winds
	Trees were downed across the county.								
Starke County	02	1600EST			0	0	0	0	Thunderstorm Winds
	Trees were downed across the county.								
Jasper County	02	1607EST			0	0	0	0	Thunderstorm Winds
	Trees were downed by thunderstorm winds.								
St. Joseph County St. Joseph	02	1615EST			0	0	?	0	Thunderstorm Winds (G51)
	A 59-mph wind gust was recorded at the Michiana Airport.								
LaPorte County LaPorte Fish Lake	02	1618EST			0	0	4	0	Thunderstorm Winds
	A large tree fell on a house and caused extensive damage in Laporte. A tree also fell on a house in Fish Lake.								
Jasper County 2 E Remington	02	1621EST			0	0	0	0	Thunderstorm Winds (G61)
	Winds gusted to 70 mph in southeastern Jasper County along Interstate 65.								
Marshall County Plymouth	02	1622EST			0	0	0	0	Thunderstorm Winds (G52)
St. Joseph County Osceola	02	1628EST			0	0	?	0	Lightning
	A house on Beach Road caught fire after being struck by lightning.								
South Bend	02	1630EST			0	0	?	?	Thunderstorm Winds
	Wind gusts of 70 to 80 mph were reported at Ireland and Ironwood Road.								
St. Joseph County N Liberty	02	1635EST			0	0	?	0	Thunderstorm Winds
	Winds were estimated at 60 to 70 mph.								
White County Monticello	02	1635EST			0	0	0	0	Thunderstorm Winds
	Limbs were downed in Monticello, and trees were downed across the county.								
Marshall County Argos	02	1636EST			0	0	0	0	Funnel Cloud
	The Argos Fire Chief reported two funnel clouds.								
St. Joseph County	02	1640EST			0	0	3	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>INDIANA Cont'd</b>									
A large tree was downed across State Road 331 in Woodland, and a telephone pole fell on a fire truck at County Road 18 and 115 in Concord Township.									
<b>Tippecanoe County Lafayette</b>	<b>02</b>	<b>1640EST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees and power lines were downed.
<b>Cass County</b>	<b>02</b>	<b>1645EST</b>			<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees were downed, structural damage occurred and a barn was destroyed by thunderstorm winds.
<b>Kosciusko County</b>	<b>02</b>	<b>1700EST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees and power lines were downed in the northern part of the county.
<b>Miami County Grissom Air Force Base</b>	<b>02</b>	<b>1701EST</b>	<b>Short</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b>
									A tornado touched down briefly on the air field at Grissom Air Force Base.
<b>Elkhart County</b>	<b>02</b>	<b>1705EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees were downed across the county.
<b>Clinton County Frankfort Mulberry 4 W Michigan- town</b>	<b>02</b>	<b>1710EST</b>			<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Sixty- to seventy-mpn winds were reported in Frankfort, and an above ground pool was blown over. A metal shed was blown over in Mulberry, and 60-mph winds were reported 4 miles west of Michigantown.
<b>Fulton County 2.5 N Lake Manitou</b>	<b>02</b>	<b>1710EST</b>			<b>0</b>	<b>1</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
									A tractor-semitrailer was overturned by wind gusts estimated at 60 mph on State Route 25, 2.5 miles north of Lake Manitou. A pickup truck collided with the overturned semi truck.
<b>Rochester</b>	<b>02</b>	<b>1715EST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A large tree fell on the porch of a house.
<b>Howard County Kokomo</b>	<b>02</b>	<b>1718EST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees and power lines were downed.
<b>Noble County 2 W Ligonier</b>	<b>02</b>	<b>1725EST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees were blown down 2 miles west of Ligonier.
<b>Wabash County Lagro</b>	<b>02</b>	<b>1730EST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees and power lines were downed by thunderstorm winds.
<b>LaGrange County</b>	<b>02</b>	<b>1740EST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Tree limbs and power lines were blown down across the county.
<b>Blackford County Montpelier</b>	<b>02</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Power lines were blown down just south of Montpelier.
<b>Allen County Fort Wayne</b>	<b>02</b>	<b>1801EST</b>			<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>Thunderstorm Winds</b>

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## INDIANA Cont'd

Trees were blown down across the city. Sixty-mph winds were reported in southeast Fort Wayne. A shed was blown down and destroyed just east of Fort Wayne.

Jay County Pennville	02	1807EST			0	0	?	0	Thunderstorm Winds (G52)
Adams County Berne	02	1814EST			0	0	4	0	Thunderstorm Winds

A thunderstorm moving southeast across Adams County produced several microbursts near Berne. The first occurred 1.5 miles northwest of Berne and downed a number of trees. The second occurred in the city of Berne, and again downed a number of trees. One tree fell on and damaged a house. The last microburst occurred just southwest of Berne where a number of trees were blown down, and a barn was destroyed.

Madison County Ingalls	02	1815EST			0	0	0	0	Thunderstorm Winds
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In Ingalls, trees were downed by thunderstorm winds.

Marion County	02	1820EST			0	0	3	0	Thunderstorm Winds
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Power lines were downed in northwestern Indianapolis.

Adams County 3.3 SW Decatur	02	1822EST	1.5	30-50	0	0	5	?	Tornado (F2)
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A tornado touched down 3.3 miles southwest of Decatur near County Road 300N and 300W. The tornado moved northeast producing almost \$150,000 dollars in damage. The tornado was on the ground for 1.5 miles, dissipating about 1.8 miles southwest of Decatur. The tornado destroyed a barn valued at \$40,000, a new unfinished house valued at \$100,000, and a 1985 pickup truck valued at \$3,800. The truck was destroyed by a large tree which fell on it. A number of large trees were blown down or uprooted.

Wells County	02	1825EST			0	0	3	?	Thunderstorm Winds
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Trees and power lines were blown down across southeastern Wells County.

Delaware County Albany	02	1836EST			0	0	4	0	Thunderstorm Winds
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Thirty trees were downed, with some trees falling on houses.

Shelby County 2 SE Morrystown	02	1910EST	Short	20	0	0	0	0	Tornado (F0)
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A small tornado touched down briefly, causing no damage.

Monroe County Bloomington	02	1949EST			0	0	0	0	Thunderstorm Winds
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Trees were downed in Bloomington by thunderstorm winds.

Sullivan County Sullivan	02	1955EST			0	0	0	0	Thunderstorm Winds (G52)
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Winds gusted to 60 mph were reported in Sullivan.

Jennings County North Vernon	02	2000EST			0	0	4	0	Thunderstorm Winds
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Numerous trees were downed, with some trees falling on houses and cars. A bus shelter was also blown over.

Hamilton County Carmel Noblesville	02	2015EST			0	0	4	0	Lightning
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Lightning strikes damaged two houses in Carmel, and one in Noblesville. Damage was estimated at \$30,000 for one of the houses in Carmel, with each of the other houses sustaining about \$3,000 damage each.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>INDIANA Cont'd</b>									
Daviess County 1 S Oden	02	2020EST	0.1	20	0	0	0	3	Tornado (F0)
A deputy sheriff watched a tornado touch down in a cornfield and move to the edge of the field where it knocked down a few trees.									
Martin County	02	2030EST			0	0	3	0	Thunderstorm Winds
Numerous trees were reported down throughout the county.									
Knox County Bicknell	02	2030EST			0	0	3	0	Thunderstorm Winds
Trees and power lines were blown down.									
Bartholomew County Countywide	02	2030EST			0	0	4	0	Lightning
A house near Hartsville was damaged by fire after it was struck by lightning. Damage was estimated at \$8,000.									
Columbus	02	2045EST			0	0	0	3	Thunderstorm Winds
Trees were downed and there was some minor crop damage.									
Marion County Indianapolis International Airport	02	2100EST			0	0	4	0	Lightning
Lightning started a fire which damaged the Postal building which was under construction at the Indianapolis International Airport.									
Tippecanoe County 11 S Lafayette	02	2100EST			0	1	3	0	Lightning
A woman inside her house was injured when lightning entered the house through the electrical wiring.									
Ripley County 3 S Versailles	02	2115EST			0	0	0	0	Hail (0.75)
Clark County	02	2135EST			0	0	4	0	Thunderstorm Winds
Trees and power lines were blown down near Henryville.									
Harrison County Corydon	02	2140EST			0	0	4	0	Thunderstorm Winds
Trees and power lines were downed.									
Dearborn County	02	2145EST			0	0	3	0	Thunderstorm Winds
Power lines were blown down near Dillsboro, and trees were blown down along the state line.									
Warrick County Newburgh	02	2220EST			0	0	4	0	Lightning
A house sustained \$25,000 fire damage after it was struck by lightning.									
Posey and Vander- burgh Counties	03	0000EST- 0200EST			0	0	3	3	Flash Flood
Thunderstorms stalled over Posey and Vanderburgh Counties and dissipated. Between two and four inches of rain fell within a 1- to 2-hour period, resulting in numerous state and county roads becoming impassable due to high water.									
Marion County	05	1430EST- 1600EST			0	0	5	0	Flash Flood
Two to four inches of rain fell within a few hours, causing widespread flooding of roads in Indianapolis. Some roads were covered with 2 feet of water. Interstate 65 was closed when mud									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>INDIANA Cont'd</b>									
and rocks were washed across the highway. Three roofs also collapsed from the weight of the water.									
Knox County Vincennes	05	2030EST			0	0	3	0	Thunderstorm Winds
Large tree limbs and power lines were blown down.									
Lake County Dyer	08	1640EST			0	0	0	0	Hail (0.75)
St. John	08	1645EST			0	0	0	0	Hail (0.88)
Marion County	08	2330EST-							
	09	0300EST			0	0	3	0	Flash Flood
Two to three inches of rain fell in a 1- to 2-hour period, and caused flash flooding over parts of central and southern Marion County. Some roads were covered with 3 to 4 feet of water. Parts of Interstates 465, 70, and 65 were flooded.									
Rush County Milroy	09	0010EST			0	0	0	0	Thunderstorm Winds
Trees were downed in Milroy by thunderstorm winds.									
Vigo County Terre Haute	09	1525EST			0	0	?	?	Hail (1.75)
Sullivan County Carlisle	09	1535EST			0	0	4	5	Hail (1.75)
Hail caused over \$200,000 damage to melons, tomatoes, corn, and soybeans.									
Knox County Oaktown	09	1535EST			0	0	4	5	Hail (2.50)
Freelandville	09	1545EST			0	0	4	4	Hail (1.75)
Golf ball- to tennis ball-size hail damaged automobiles and did over \$75,000 damage to melon crops. Chickens and some small pigs were reported killed by the hail.									
Sullivan County Cass	09	1600EST			0	0	3	4	Hail (1.75)
Cass	09	1600EST			0	0	4	0	Thunderstorm Winds
Power lines were downed in Cass, and a tree fell on a garage. Golf ball-size hail and 60-mph winds were reported in the southeastern part of the county.									
Martin County Crane Naval Weapons Support Center	09	1600EST			0	0	2	0	Thunderstorm Winds
Trees were blown down at the Crane Naval Weapons Support Center.									
Daviess County Elnora	09	1605EST			0	0	2	2	Hail (0.75)
Greene County Vicksburg	09	1615EST			0	0	3	0	Thunderstorm Winds
Jasonville									Hail (0.75)
Hail measuring 0.75 inch in diameter was reported at Vicksburg, and trees and utility poles were downed at Jasonville.									
Daviess County Odon	09	1617EST			0	0	2	2	Hail (0.75)
Lawrence County 5 W Bedford	09	1652EST			0	0	0	0	Thunderstorm Winds
Trees were downed by thunderstorm winds.									
Scott County	09	1725EST			0	0	4	0	Thunderstorm Winds
Trees and power lines were blown down in the southern part of the county.									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>INDIANA Cont'd</b>									
Clark County Henryville	09	1740EST			0	0	4	0	Thunderstorm Winds
	Numerous trees and power lines were downed.								
Hancock County New Palestine	09	2218EST			0	0	0	0	Hail (1.00)
Franklin County	09	2342EST			0	0	0	0	Hail (0.75)
	Hail measuring 0.75 inch in diameter was reported just east of Brookville.								
Marion County 9 S Indiana- polis	10	0013EST			0	0	4	0	Lightning
	Lightning caused \$12,000 damage to a house.								
Lawrence County Pinhook	10	1745EST			0	0	0	0	Thunderstorm Winds
	Trees were downed in Pinhook by thunderstorm winds.								
Switzerland County Warsaw	10	1923EST			0	0	3	0	Thunderstorm Winds
	Power lines were blown down just west of Warsaw.								
Gibson County	10	1945EST			0	0	2	2	Thunderstorm Winds
Vanderburgh County	10	1945EST			0	0	2	2	Thunderstorm Winds
	Trees were blown down across southern Gibson and northern Vanderburgh Counties and some roads were blocked.								
Warrick County Boonville	10	1955EST			0	0	3	2	Thunderstorm Winds
	Trees were blown down and damaged an automobile.								
Vanderburgh County Darmstadt	10	2010EST			0	0	4	0	Thunderstorm Winds
	Twenty-two trees were blown down at the Clearcrest Pines Country Club resulting in a cancellation of the next days golf tournament.								
Warrick County 5 S Boonville	10	2012EST			0	0	4	0	Thunderstorm Winds
	Trees and power poles were blown down.								
Posey and Vander- burgh Counties	10	2040EST- 2240EST			0	0	3	3	Flash Flood
	Thunderstorms stalled over Posey and Vanderburgh Counties and produced two to four inches of rain. Numerous state and county roads were impassable due to high water.								
Monroe County Harrodsburg	11	1442EST			0	0	0	3	Hail (1.00)
Harrodsburg	11	1442EST			0	0	0	3	Thunderstorm Winds
	Trees were downed and crops were damaged.								
Franklin and Ripley Counties	11	1450EST- 1600EST			0	0	0	0	Flash Flood
	Indiana State Route 421 was closed when streams flooded in southern Franklin and northern Ripley counties.								
Jackson County Reddington	11	1530EST			1	0	0	0	Lightning

## Storm Data and Unusual Weather Phenomena

July 1992

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

### INDIANA Cont'd

A 72-year-old man riding on a tractor was struck and killed by lightning as he was attempting to get the tractor in a barn before the storm hit. (M72V)

**Jackson County**  
Crothersville  
Vallonia

11	1550EST				0	0	3	0	Thunderstorm Winds
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At the Starve Hollow campground near Vallonia a tree fell on a car and caused an estimated \$1800 damage. The wall of an abandoned building in Crothersville blew down.

**Scott County**

11	1630EST				0	0	4	0	Thunderstorm Winds
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Trees and power lines were downed in the northern part of the county.

**Vigo County**  
Terre Haute

11	1825EST				0	0	?	?	Hail (1.75)
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**Lawrence County**

11	2000EST- 2200EST				0	0	3	3	Flash Flood
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Three or more inches of rain fell within a few hours. State Route 58 was washed out in the resulting flash flood.

**Martin County**  
Crane

11	2022EST				0	0	3	0	Thunderstorm Winds
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Trees and power lines were blown down.

**Daviess County**  
Washington

11	2028EST				0	0	4	0	Thunderstorm Winds
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Trees were blown down and a house was damaged when a tree landed on it.

**Bartholomew  
County**  
7 SW Columbus

11	2100EST				0	0	4	0	Lightning
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A house was struck by lightning, sustaining \$8,000 damage.

**Miami County**  
Denver

12	1840EST				0	0	4	0	Lightning
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A house was damaged by fire after it was struck by lightning.

**Wells County**

12	1841EST				0	0	2	0	Thunderstorm Winds
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Trees and power lines were blown down at County Road 350S and 200E.

**Adams County**  
1.5 SE to 6 E  
Monroe

12	1843EST- 1853EST	5.0	30		0	0	5	3	Tornado (F1)
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A tornado touched down 1.5 miles southeast of Monroe and produced \$350,000 dollars in damage as it moved east along a path of 5 miles through Adams County. The tornado first touched down at County Road 150S and 200E. The tornado destroyed four large barns, a granary, two workshops, and a garage. It caused major damage to three homes, a hog house, a garage, and a workshop. The tornado lifted just south of State Route 124 at the Ohio state line.

**Adams County**

12	2200EST-				0	0	5	5	Flash Flood
13	0100EST				0	0	5	0	

A slow moving line of thunderstorms dropped up to six inches of rain in a 6-hour period in that part of Adams County between Decatur and Berne. Several county roads were washed out. Additionally, the rains seriously flooded a number of fields, killing corn and soybeans, and producing several hundred thousand dollars of crop damage.

**Jay County**  
5 S Portland

13	0100EST				0	0	5	0	Lightning
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A house was destroyed by fire after it was struck by lightning.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## INDIANA Cont'd

Clinton, Howard, Madison, Tipton, Delaware, and Randolph Counties	13	0130EST- 0800EST			0	0	6	6	Flash Flood
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Four to six inches of rain, falling on nearly saturated ground, resulted in disastrous flash flooding. Alexandria, in northern Madison County reported 3.10 inches of rain in 1.5 hours, with 5.50 inches in 6 hours. About nine inches of rain fell in the Alexandria area within a 2-day period from the 12th to 13th. Severe flooding occurred in both Alexandria and Elwood in northern Madison County. Duck, Pipe, and Killbuck Creeks flooded many homes, several businesses, large agricultural tracts, and many local and several state roads. In Alexandria, Pipe Creek flooded 63 homes, and 2 businesses. Both businesses, and 36 homes sustained major damage. In Elwood, Duck Creek flooded 84 homes and 8 businesses. All the businesses, and 20 of the homes suffered major damage. Killbuck Creek near Gaston flooded local roads that had never been flooded before. By 0500 EST, Summitville was nearly isolated, as almost all streets were flooded. Many residents had to be evacuated.

In Delaware County, residents were evacuated from the Eaton, Royerton, and Albany areas. Several buildings were nearly submerged in Granville. Flooding eventually reached near record levels in northern Madison and northwestern Delaware Counties.

In Clinton County, a culvert was washed out at County Road 700 East, between County Road 800 North and State Route 26, and several homes were flooded on the western edge of Forest. In Randolph County, the wastewater treatment plant in Winchester was flooded, and many roads were flooded, and there was some water in houses. In Tipton County, Big Cicero Creek flooded in Tipton, and a part of State Route 213 was flooded. Many local, and several state roads were also flooded in Howard County. Flooding occurred along Wildcat and Kokomo Creeks, with Wildcat Creek eventually reaching near record levels.

Grant County	13	0600EST- 0800EST			0	0	4	5	Flash Flood
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Rainfall of three to six inches in a 4-hour period produced flooding of small streams and serious flooding of roads across the southern half of Grant County. Sandbagging operations were started along several small streams. Several homes were damaged by flood waters, and crops were damaged when numerous fields flooded.

INZ005-006-010- Northeast and East Central IN	13 22	0800EST- 1900EST			0	0	6	7	Flood
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Small stream and river flooding continued after the flash flooding of July 13th. Wildcat Creek in Howard County reached the near record levels of June 1980 and flooded at least one property. Many local and several state roads were flooded in Howard County, but residents were able to sandbag to prevent major flood damage. Flooding along the Mississinewa and St. Marys Rivers was the highest ever for July. Flooding along the Mississinewa River closed nearly every road that crossed the river in rural Grant County. City streets and several residences on the northeast side of Marion were flooded. One restaurant in Marion was flooded. Near Jonesboro several residences were flooded. In Adams County, the St. Marys River flooded all roads east of Decatur. Advance warning and sandbagging activities prevented major flood damage in the cities of Decatur and Fort Wayne. The Indiana National Guard was called out to help with sandbagging operations in Decatur when the St. Marys River reached 24.2 feet or 9.2 feet above flood stage. The flooding caused over \$5 million in crop damage in Adams and Allen Counties, with over 15,000 acres being damaged.

LaPorte County	13	2047EST			0	0	0	0	Thunderstorm Winds (G52)
LaPorte and St. Joseph Counties	13	2052EST	0	0	0	0	0	0	Funnel Cloud

A toll road trooper reported two funnel clouds along the LaPorte and St. Joseph County line at State Road 4.

St. Joseph County South Bend	13	2058EST			0	0	?	0	Thunderstorm Winds (G57)
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# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>INDIANA Cont'd</b>									
									Wind gust to 66 mph at the Michiana Regional Airport.
New Carlisle	13	2107EST			0	0	0	0	Thunderstorm Winds
									Trees and large limbs were downed.
Elkhart County Countywide	13	2110EST			0	0	0	0	Thunderstorm Winds (G52)
									Wind speeds of 60 mph were reported at U.S. Highway 20 and Cassopolis road in northern Elkhart County.
Elkhart	13	2129EST			0	0	3	0	Lightning
									A house was damaged by fire after it was struck by lightning. Damage was estimated at \$4,500.
Goshen	14	1404EST			0	2	4	0	Lightning
									Two men working in a barn at the Elkhart County Fairgrounds were injured when lightning entered the barn and struck and killed a horse.
Clay County Cory	14	1410EST			0	0	0	0	Hail (0.88)
Asherville	14	1410EST			0	0	3	0	Thunderstorm Winds
									Nickel-size hail was reported at Cory. At Asherville, a large tree was blown down, and the roof was blown off a chicken house.
Noble County Albion	14	1450EST			0	0	?	?	Hail (1.00)
Rome City	14	1450EST			0	0	4	0	Thunderstorm Winds
									Trees and power lines were downed.
LaGrange County 2 NW LaGrange	14	1455EST			0	0	5	0	Lightning
									A large barn was destroyed by fire after it was struck by lightning. Hogs and chickens were chased from the barn and were not injured.
Noble and Dekalb Counties 1 W Kendallville to 1 N Corunna	14	1510EST- 1526EST	8.0	150	0	28	7	4	Tornado (F2)
									A tornado touched down 0.5 mile west of State Highway 3 on Drakes Road 1 mile west of Kendallville. The tornado moved east at 30 mph through the city of Kendallville, and ended 1 mile north of Corunna near the junction of County Road 9 and 20 in DeKalb County. The tornado skipped along its 8-mile-long track, and crossed into DeKalb County about 2.3 miles northwest of Corunna. The tornado produced \$13 million damage and 28 minor injuries. The worst damage occurred in the downtown sections of Kendallville, the Fairview Center Shopping Place, Hollybrook Heights residential area, and the Arvada Hills residential area. There were 29 homes and 2 apartment buildings completely destroyed. There were 49 homes with major damage and 130 with minor damage. Also, 23 businesses were damaged to different extents. The tornado had winds estimated up to 157 mph.
Steuben County Ashley	14	1524EST			0	0	4	0	Thunderstorm Winds
									Winds damaged several homes and blew down power lines.
Allen County Fort Wayne	14	1532EST			0	0	5	0	Thunderstorm Winds
									Thunderstorm winds produced structural damage to the Magnavox Building on the northwest side of Fort Wayne. Several Magnavox vehicles sustained damage from flying debris. A number of trees were downed across the north side of Fort Wayne.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>INDIANA Cont'd</b>									
<b>Steuben County Hamilton</b>	14	1536EST			0	0	4	?	<b>Thunderstorm Winds</b>
	Several barns and homes were damaged in Hamilton.								
<b>Vigo County Youngstown</b>	14	1545EST			0	0	0	0	<b>Thunderstorm Winds</b>
	Large limbs were downed in Youngstown.								
<b>Carroll and Cass Counties</b>	14	1600EST- 1730EST			0	0	3	3	<b>Flash Flood</b>
	Many roads were flooded, including State Road 18 in Carroll County and U.S. Highway 30 south of Galveston in Cass County.								
<b>Adams County</b>	14	1700EST- 1800EST			0	0	?	?	<b>Flash Flood</b>
	Up to two inches of rain fell in a 3-hour period on already saturated ground and produced flooding of small streams and roads south and east of Decatur.								
<b>Henry County Sulphur Springs</b>	14	1757EST			0	0	3	0	<b>Thunderstorm Winds</b>
	Windows were blown out of a house by thunderstorm winds.								
<b>Ripley County</b>	14	1800EST			0	0	3	0	<b>Thunderstorm Winds</b>
	Trees and power lines were downed in the southern part of the county.								
<b>Shelby County Fairland</b>	14	1810EST			0	0	0	0	<b>Thunderstorm Winds</b>
	Trees were downed in Fairland.								
<b>Ripley County</b>	14	1815EST			0	0	3	0	<b>Thunderstorm Winds</b>
	Power lines were downed south of Versailles on State Route 421.								
<b>Bartholomew County Columbus</b>	14	1820EST			0	0	4	0	<b>Thunderstorm Winds</b>
	Numerous trees were downed, with one tree falling on a house.								
<b>Henry County Knightstown</b>	14	1835EST			0	0	0	0	<b>Thunderstorm Winds</b>
	Trees were downed south of Knightstown.								
<b>Dearborn County</b>	14	1837EST			0	0	0	0	<b>Thunderstorm Winds</b>
	Trees were downed by thunderstorm winds.								
<b>Wayne County Centerville Richmond</b>	14	1845EST			0	0	4	0	<b>Thunderstorm Winds</b>
	Trees and power lines were downed south of Centerville. In Richmond, a tree fell on a car.								
<b>Franklin County St. Marys</b>	14	1905EST			0	0	4	0	<b>Thunderstorm Winds</b>
	Trees were downed, part of a barn roof was blown off, and a garage door was blown in. Trees were also downed north of Batesville in the southern part of the county.								
<b>Ripley County Batesville</b>	14	1915EST			0	0	0	0	<b>Thunderstorm Winds</b>
	Trees were downed in Batesville.								

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>INDIANA Cont'd</b>									
Dearborn County	14	1940EST			0	0	0	0	Thunderstorm Winds
	Trees were downed on State Route 1 in the northern part of the county.								
Allen County	15	0630EST- 0730EST			0	0	4	0	Flash Flood
	Over one and half inches of rain fell across the city of Fort Wayne in less than 1 hour. Streets flooded and many vehicles stalled in high water. Residents of an apartment complex on the east side of Fort Wayne had to be evacuated because of high water.								
Noble County	16	1210EST			0	0	3	0	Thunderstorm Winds
	Numerous trees were blown down across southwestern Noble County.								
Hendricks County 3.5 W Amo	16	1858EST	Short	20	0	0	0	0	Tornado (F0)
	A tornado touched down briefly in a wooded area.								
Marion County	16	1937EST			0	0	3	0	Thunderstorm Winds
	Limbs and power lines were downed.								
Boone County Zionsville	16	1937EST			0	0	0	0	Hail (0.75)
	On the southeastern side of Zionsville 0.75-inch hail was reported.								
Marion County 6 ESE Indiana- polis	16	1957EST	Short	20	0	0	0	0	Tornado (F0)
	A small tornado touched down briefly at the intersection of Raymond Street and Kitley Avenue.								
Franklin County	17	0530EST- 0900EST			0	0	5	5	Flash Flood
	Two to four inches of rain fell in a few hours and resulted in flash flooding. Big Cedar and Little Cedar Creek rose about 7 feet in only 1 hour. Water from Little Cedar Creek nearly topped the U.S. Route 52 bridge. Blue Creek rose about 7 feet in 30 minutes. Blue Creek Road was undermined in several locations, and a mudslide temporarily closed the road. Wolf Creek also rose about 6 feet. Wolf Creek Road was under 2 feet of water from 0600 EST to 0800 EST. St. Mary's road, which runs along McCarty's Run was closed for several hours after large rocks slid onto the road from surrounding hills. A 3-mile stretch of the road was flooded with 2 to 3 feet of water. Several tobacco fields in the county were also flooded. Flooding threatened some houses, with three basements being flooded.								
Hamilton County	20	1345EST			0	0	4	0	Lightning
	Lightning struck a house near Noblesville, and started a fire that caused \$20,000 damage.								
Davies County 5 W Washington Washington	22	1715EST			0	0	2	0	Thunderstorm Winds
	22	1725EST			0	0	4	0	Thunderstorm Winds
	Numerous trees were blown down west of Washington. More trees were blown down at the golf course in the eastern section of Washington.								
Clark County Nabb New Washington Bethlehem	22	1830EST			0	0	4	0	Thunderstorm Winds
	Trees were downed throughout the northern part of the county.								
Pike County	22	1930EST- 2130EST			0	0	3	3	Flash Flood
	Slow moving thunderstorms resulted in one and half to three inches of rain in just over an hour. Several state and county roads were impassable because of high water, including Highway 61 near Petersburg.								

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>INDIANA Cont'd</b>									
Clark and Scott Counties	22	1945EST- 2145EST			0	0	5	4	Flash Flood
									Three inches of rain fell in 2 hours. Rising water forced the evacuation of several homes and vehicles. Many roads and bridges were covered with water. The hardest hit area was around Nabb on the Scott and Clark County line.
LaGrange County Mongo	23	0415EST			0	0	5	0	Lightning
									A vacant business building was destroyed by fire after it was struck by lightning. Damage was estimated at \$100,000.
Madison County Markleville	23	2000EST			0	0	4	0	Thunderstorm Winds
									Trees and utility poles were downed.
Henry and Wayne Counties	23	1525EST- 1800EST			0	0	4	4	Flash Flood
									Four to six inches of rain fell within a few hours, flooding many streets and roads. In Henry County, roads were flooded in New Castle and some homes were surrounded by water. Several roads were washed out in northwest Wayne County. The wastewater treatment plant was flooded in Hagerstown.
Decatur County Greensburg	23	1935EST			0	1	3	0	Lightning
									The dispatcher on duty at the Greensburg police station received a mild electrical shock after lightning struck an outside antenna on the building.
Ripley County Batesville	26	1532EST			0	0	4	0	Lightning
									Lightning struck a house and caused \$5000 damage.
Kosciusko County Warsaw	29	0515EST			0	0	4	0	Lightning
									A fire was started when lightning hit a transformer and short circuited it. The fire caused an estimated \$20,000 damage to a business building.
Miami County Peru	29	0745EST			0	0	4	0	Lightning
									Lightning hit an empty oil tank and started a fire.
Shelby County Shelbyville	30	0225EST			0	0	4	0	Thunderstorm Winds
									Windows were blown out of stores in a shopping center, and trees were downed on the east side of Shelbyville. One tree fell on a car and van.
Franklin County 8 W Fairfield Metamora	30	0305EST			0	0	3	0	Thunderstorm Winds
									Power lines were blown down at Duck Road 8 miles west of Fairfield. Trees and large limbs were blown down on U.S. Route 52 near Metamora.
Boone County 4 NNE Lebanon 2 E Mechanicsburg Elizaville	30	1338EST			0	0	3	0	Thunderstorm Winds
									Windows were blown out of a house, and trees were downed 4 miles north-northeast of Lebanon, and winds were estimated at 60 mph just east of Elizaville. East of Mechanicsburg a barn roof was blown off and a cattle trailer was blown over.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>INDIANA Cont'd</b>									
<b>Blackford County Hartford City</b>	30	1400EST			0	0	0	0	<b>Lightning</b>
									Lightning hit a tree which then fell on two men. Both men were taken to the Blackford County Hospital.
<b>Hamilton County Sheridan</b>	30	1408EST			0	0	4	3	<b>Thunderstorm Winds</b>
									Limbs were downed in Sheridan, and winds were estimated at 60 mph. Numerous trees were downed in the northern part of the county, and crops were also damaged.
<b>Madison County 2 S Elwood</b>	30	1420EST			0	0	3	0	<b>Thunderstorm Winds</b>
									Trees were downed at the intersection of State Route 13 and 37, and there was also some minor roof damage.
<b>Vigo County Sandford</b>	30	1420EST	1.3	50	0	0	5	3	<b>Tornado (F1)</b>
									A tornado touched down on the north side of Sandford, and then moved east-northeast. A roof was blown off a mobile home in Sandford, and shingles were ripped from several houses. After hitting Sandford, the tornado moved through a corn field and a wooded area. Trees were snapped off and there was some minor crop damage. On a farm outside Sandford a smoke house was knocked off its foundation.
<b>Shelby County Shelbyville</b>	30	1500EST			0	0	4	0	<b>Thunderstorm Winds</b>
									Trees were downed and a mobile home was flipped over.
<b>Martin County Shoals</b>	30	1503EST			0	0	0	0	<b>Hail (0.75)</b>
<b>Orange County</b>	30	1530EST			0	0	3	0	<b>Thunderstorm Winds</b>
									Several trees were blown down in the eastern part of the county.
<b>Crawford County Leavenworth</b>	30	1645EST			0	0	3	0	<b>Thunderstorm Winds</b>
									Trees and power lines were downed in Leavenworth.
<b>Floyd County Georgetown</b>	30	1810EST			0	1	0	0	<b>Lightning</b>
									A man talking on a telephone was injured when lightning came through the phone lines.
<b>Floyd County New Albany</b>	30	1815EST			0	0	4	0	<b>Thunderstorm Winds</b>
									Trees were downed, and a shed was lifted from the ground and dropped on a car.
<b>Dearborn County 1 N New Alcace</b>	30	1830EST	1.0	70	0	0	4	3	<b>Tornado (F0)</b>
									A corn crib was destroyed and a pontoon boat was blown 40 feet out of a pond. There was also some crop damage.
<b>Morgan County Eminence to 4 NW of Martins- ville</b>	30	1905EST- 1920EST	6.0	200	0	0	4	0	<b>Tornado (F2)</b>
									The tornado path was intermittent, with damage consisting mainly of snapped trees. Touchdown areas were mainly along ridges, with the tornado skipping over valleys. A barn was damaged at Eminence, and a few houses along the tornado path sustained minor damage.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## INDIANA Cont'd

Morgan County 5 WNW Martinsville	30	1915EST	Short	50	0	0	0	0	Tornado (F0)
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The tornado touched down briefly in a forested area.

Johnson County Trafalgar	30	2000EST	0.3	50	0	1	0	3	Tornado (F0)
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The tornado moved through a cornfield and residential area on the north side of Trafalgar. Damage consisted mainly of downed tree limbs. One person was injured by flying debris.

Trafalgar	30	2000EST			0	0	4	0	Thunderstorm Winds
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On the west side of Trafalgar, a restaurant which was under construction was blown down.

Johnson County 2 W Ninevah to Edinburg	30	2010EST- 2030EST	7.0	200	0	25	6	3	Tornado (F3)
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The path of the tornado was intermittent. West of Ninevah, where the tornado briefly attained F3 intensity, one house was destroyed and the roof was ripped off a second home. In the house that was destroyed, a mother and her child took refuge under a bed, and escaped with minor injuries when the house collapsed around them. In and around Ninevah, the tornado also damaged several other houses, flipped over a mobile home, and threw a horse trailer and some farm equipment 50 to 100 yards. The tornado moved east across the northern part of Camp Atterbury, and ripped the roof off a gymnasium and damaged two other buildings. Twenty-two National Guard soldiers who were on maneuvers at the camp were injured. The tornado moved east into Edinburg before dissipating. Numerous trees were downed in Edinburg, the roof was blown off a house, and windows were blown out of a building. A school administration building was damaged by a fallen tree. One person was injured by flying debris in Edinburg. The tornado damaged a total of 30 houses, with 5 houses sustaining major damage. The most significant damage was in the Ninevah area. Damage in Camp Atterbury was estimated at \$250,000, with damage in the Ninevah and Edinburg areas estimated at \$1,000,000.

## IOWA

Sac County Odebolt	01	2330CST			0	0	4	0	Lightning
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Guthrie County Yale	02	0155CST			0	0	4	5	Hail (1.75)
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Fayette County Oelwein	02	0430CST			0	0	5	4	Thunderstorm Winds (G65)
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A cluster of thunderstorms moved across parts of west-central and northwestern Iowa. One of the cells in the cluster was quite intense, and produced golf ball-size hail in the Yale area of Guthrie County. The most significant damage was to crops in the area. As the storms moved over Sac County, lightning struck a church in Odebolt. The chimney and roof were damaged by the strike. As the remnants of the storms moved into Fayette County, high winds were recorded at the Oelwein Airport. Winds measured at 75 mph caused damage at the airport.

IAZ004 > 006-024 North-Central Iowa	02	0600CST-			0	0	3	3	Flood
	05	0300CST			0	0	3	3	Flood

Minor flooding occurred along the upper reaches of the Des Moines River Basin. The flooding was caused by runoff from heavy rainfall over southern Minnesota. The crest at Estherville was only about a foot over flood stage.

Shelby County Tennant	02	0622CST-			0	0	3	5	Hail (0.75)
Corley		0638CST			0	0	3	5	Hail (0.75)

Greene County Jefferson	02	0755CST			0	0	4	0	Lightning
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## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>IOWA Cont'd</b>									
Dallas County 2 NW Dallas Center	02	0802CST			0	0	5	4	Thunderstorm Winds (G61)
Boone County 2 N Madrid	02	0808CST			0	0	4	5	Thunderstorm Winds (G61)
Dallas and Polk Counties Dallas Center Grimes	02	0810CST- 0820CST			0	0	5	6	Hail (1.50)
Dallas County Woodward	02	0815CST			0	0	3	0	Lightning
Polk County Grimes	02	0815CST			0	0	5	4	Thunderstorm Winds (G70)
2 SE Grimes	02	0820CST			0	0	4	3	Thunderstorm Winds (G60)
W Des Moines	02	0825CST			0	0	3	0	Lightning
NW Ankeny	02	0828CST			0	0	4	3	Thunderstorm Winds (G50+)
Des Moines	02	0830CST			0	0	4	0	Thunderstorm Winds (G50+)
Ankeny	02	0830CST			0	0	4	3	Thunderstorm Winds (G87)
Jasper County Valeria	02	0902CST			0	0	3	3	Thunderstorm Winds (G50+)
Newton	02	0907CST			0	0	4	3	Thunderstorm Winds (G50+)
Mahaska County Oskaloosa	02	0931CST			0	0	4	3	Thunderstorm Winds (G52)
Grundy County 2 E Morrison	02	0935CST			0	0	3	4	Hail (0.75)
Benton County Vinton	02	1002CST			0	0	3	3	Thunderstorm Winds (G52)
Vinton	02	1012CST			0	0	4	4	Hail (1.75)
Keokuk County Sigourney	02	1015CST			0	0	4	3	Thunderstorm Winds (G52)
Linn County Center Point	02	1019CST			0	0	3	3	Thunderstorm Winds (G52)
Downtown Cedar Rapids	02	1020CST			0	0	5	0	Thunderstorm Winds (G59)
Black Hawk County S Waterloo	02	1024CST			0	0	0	0	Funnel Cloud
Davis County Bloomfield	02	1037CST			0	0	4	3	Thunderstorm Winds (G50+)
Fayette County W Union	02	1050CST			0	0	3	2	Thunderstorm Winds (G50+)
Wapello County Blakesburg	02	1050CST			0	0	4	0	Lightning
Cedar County Lowden	02	1055CST			0	0	2	2	Thunderstorm Winds (G50)
Johnson County Solon	02	1056CST			0	0	4	3	Thunderstorm Winds (G52)
Cedar County W Branch	02	1057CST			0	0	3	3	Thunderstorm Winds (G52)
Wapello County Ottumwa	02	1100CST- 1230CST			0	0	5	0	Urban Flood
Jones County Monticello	02	1100CST			0	0	4	3	Thunderstorm Winds (G61)
Jasper County Newton	02	1100CST			0	0	4	0	Lightning
Louisa County Columbus Junction	02	1100CST			0	0	3	0	Lightning
Jones County Monticello	02	1105CST			0	0	3	0	Lightning
Wapello County 1S Ottumwa	02	1105CST			0	0	3	0	Lightning
Lee County Keokuk	02	1105CST			0	0	5	3	Thunderstorm Winds (G59)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>IOWA Cont'd</b>									
Dubuque County									
Cascade	02	1107CST			0	0	4	3	Thunderstorm Winds (G50+)
Cascade	02	1110CST			0	0	4	2	Thunderstorm Winds (G50+)
		Second gust front							
Jackson County									
Baldwin	02	1120CST			0	0	4	3	Thunderstorm Winds (G50+)
Clinton County									
Clinton	02	1125CST			0	0	4	3	Thunderstorm Winds (G50+)
Muscatine County									
Muscatine	02	1135CST			0	0	3	3	Thunderstorm Winds (G52)
Des Moines County									
Burlington	02	1145CST			0	0	0	0	Funnel Cloud
Lee County									
Fort Madison	02	1145CST			0	0	0	0	Funnel Cloud
Fayette County									
W Union	02	1150CST			0	0	4	3	Thunderstorm Winds (G50+)
Des Moines County									
Burlington	02	1200CST			0	0	4	0	Lightning
Jones County									
2 N Anamosa	02	1251CST			0	0	3	0	Lightning

A strong cold front, along with a vigorous upper level system, was moving into western Iowa at daybreak. A line of thunderstorms formed rapidly over western Iowa during the early morning. At first they were not severe, but became severe by around 0800 CST. As the line moved through the Jefferson area with gusty winds and small hail, lightning struck a house there setting it on fire. One portion of the line became severe before moving into central Iowa. Winds of 57 mph were recorded at Perry. The strongest cell began to drop large hail in Dallas County. A strip of farmland was severely damaged by Ping-Pong ball-size hail between Dallas Center and Grimes. It was about a mile wide. Reports indicate that some of the hail was in the form of 3-inch long spikes. Many crops were completely destroyed. Crop destruction by hail was not uncommon around the state as this line of storms moved through. Major damage occurred as three-quarter inch diameter hail, driven on gusty wind, caused several hundred thousand dollars damage to crops in Shelby County. Intense thunderstorms moved into Grimes. High winds ripped the siding off of one house and blew it through the windows of the house across the street. Southeast of Grimes, high winds overturned a tractor-semitrailer at the intersection of Interstate 80/35 and Highway 141. Significant hail damage occurred in the southeastern part of Boone County. North of Madrid, marble-size hail and winds of 70 mph destroyed many crops in that area. Winds downed many trees across the Des Moines metropolitan area. In the northwest part of Ankeny, high winds downed a 14-inch thick cement block wall that was 22 feet high at a construction site. Damage was estimated at \$35,000. A downburst wind occurred on the southeast side of Ankeny. Winds downed six high tension power line poles there. As the line of thunderstorms moved east, it filled in. There were numerous reports of downed power lines and trees over the east half of the state. Most of the hail was quite small, ranging from pea- to marble-size in most cases. The combination of winds and lightning strikes knocked out power in many areas of the state. At one time, 25,000 customers were without electricity in Des Moines for example. Lightning struck the edge of a roof of an apartment building in Woodward, sending bricks raining down on a car. Lightning also struck a school in West Des Moines. A hole the size of a basketball was blown into the roof. Reports of lightning damage were numerous as the storms moved east across the state. There were several reports of lightning fires in barns and houses. As the storms moved into the Waterloo area, a funnel cloud was sighted on the south side of the city. In nearby Cedar Rapids, wind gusts of 68 mph were recorded. High winds were the main weather event as the storms exited the state around noon. A funnel cloud was observed over the extreme southeast corner of Iowa at Fort Madison shortly before noon. The funnel was actually just east of the city, over the Mississippi River. In addition, three funnel clouds were observed over Burlington shortly before noon. Lightning started several small fires around the city as well. Lightning struck a barn north of Anamosa, causing a minor fire. Heavy rainfall occurred in many areas. Soil conditions were very dry, so there was little problem with flooding. One of the heavier rain producing cells moved across the city of Ottumwa. In less than 1 hour, 2.25 inches of rain fell. This resulted in considerable street flooding with reports of cars floating in a few areas. Some urban flooding was also reported in the Des Moines area as the storms moved through, but not to any great extent.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## IOWA Cont'd

**Mahaska County**  
7 E Oskaloosa  
**Scott County**  
Davenport  
5 E Walcott

02	1345CST	0.1	15	0	0	0	2	Tornado (F0)
02	1500CST			0	0	5	3	Hail (2.25)
02	1535CST			0	0	4	3	Hail (0.875)

After the main line of thunderstorms moved out of Iowa, a secondary area formed along the true cold front. These storms were more scattered in nature. One of the cells produced a brief tornado touchdown in a field east of Oskaloosa. As the storms moved into the Quad Cities area, hail fell around Davenport. Large hail caused damage at the Davenport Airport. The hail in the area ranged from the size of quarters to larger than tennis ball-size.

**Page County**  
Braddyville  
**Mills County**  
4 S Emerson  
**Page County**  
3 W Essex  
**Madison County**  
1 E Winterset  
**Union County**  
6 N Afton  
6 N Afton

04	1945CST			0	0	3	4	Hail (1.75)
04	1957CST	0.1	20	0	0	2	2	Tornado (F0)
04	2000CST			0	0	4	4	Hail (1.75)
04	2115CST			0	0	4	4	Thunderstorm Winds (G65)
04	2255CST			0	0	0	0	Funnel Cloud
04	2255CST			0	0	4	3	Thunderstorm Winds (G50+)

A cold frontal system sagged south across the region during the afternoon hours. During the late afternoon and evening hours, warm and moist air was flowing northward over the frontal boundary. Intense convection developed. Many of the storms produced very heavy rainfall and pea- to marble-size hail. A few of the thunderstorm cells became intense. One of them intensified rapidly southeast of the Omaha Council Bluffs area. A tornado touched down briefly in a field south of Emerson, however no significant damage occurred. Golf ball-size hail fell in southwest Iowa at Braddyville and Essex. High winds completely flattened a pole barn in Madison County as one intense cell passed over. Later in the evening, high winds and a funnel cloud were observed in Union County north of Afton.

**IAZ038-039-049 >**  
052-062-064  
East-Central  
Iowa

06	1500CST-							
09	0600CST			0	0	4	4	Flood

Heavy rainfall was a major feature during the month of July. More will be said about this in the narrative portion of the flooding event of the 29th to the 31st. The first really heavy rainfall of the month came during the night and morning hours of the 6th and 7th. A large area of greater than two inch rainfall occurred over the middle portions of the Iowa and Cedar River Basins. Traer reported 5.75 inches of rainfall, and was one of the largest totals in the area. Unofficially, there were reports of near seven inches of rain. Most of the flooding was in agricultural areas. The rivers crested about 2 feet over flood stage.

**Tama County**  
Tama  
**Linn County**  
Mt. Vernon

07	0210CST			0	0	4	3	Thunderstorm Winds (G50+)
07	0239CST			0	0	4	0	Lightning

Thunderstorms began to develop over Tama County. High winds in Tama caused between \$10,000 and \$20,000 at one nearby farmstead. The storms spread quickly into Linn County. Lightning struck a hog house near Mt. Vernon, setting it on fire and destroying it. This area of thunderstorms continued to grow and develop southeastward. Further details are found later in this report.

**Freemont County**  
Bartlett  
Percival  
**Webster County**  
Gowrie

07	0300CST			0	0	3	3	Thunderstorm Winds (G50+)
07	0300CST			0	1	4	3	Thunderstorm Winds (G50+)
07	0300CST			0	0	4	0	Lightning

A decaying area of thunderstorms moved into Freemont County causing high winds. There were several reports of trees and power lines down in Bartlett. A tractor-semitrailer was overturned on

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>IOWA Cont'd</b>									
Interstate 29 near Percival. The driver received minor injuries. Several grain bins were also blown over in the area. Thunderstorms also moved over Webster County. A house and barn were both struck by lightning in the Gowrie area. They were set on fire, resulting in minor damage to each.									
Benton County Vinton	07	0322CST			0	0	4	3	Thunderstorm Winds (G50+)
Belle Plaine	07	0322CST			0	0	4	3	Thunderstorm Winds (G50+)
Benton County	07	0330CST-							
		0730CST			0	0	5	4	Flash Flood
Cedar County	07	0330CST-							
		0730CST			0	0	5	4	Flash Flood
Iowa County	07	0330CST-							
		0730CST			0	0	5	4	Flash Flood
Benton County Belle Plaine	07	0338CST			0	0	4	3	Thunderstorm Winds (G50+)
Linn County Marion	07	0341CST			0	0	3	0	Lightning
Benton County 1 NW Belle Plaine	07	0350CST			0	0	4	0	Lightning
Clinton County DeWitt	07	0358CST			0	0	5	0	Lightning
Iowa County N English	07	0430CST			0	0	4	4	Hail (1.75)
Keokuk County Sigourney	07	0453CST			0	0	4	3	Thunderstorm Winds (G50+)
Jones County 4 N Mechanics- ville	07	0500CST			0	0	4	0	Lightning
Iowa County Marengo	07	0510CST			0	0	4	3	Thunderstorm Winds (G50+)
Scott County Davenport	07	0525CST			0	0	3	0	Lightning
Iowa County N English	07	0530CST			0	0	4	4	Hail (1.75)
N English	07	0530CST			0	0	4	3	Thunderstorm Winds (G50+)
Scott County	07	0555CST- 1000CST			0	0	4	2	Urban Flood
Des Moines County Burlington	07	0600CST			0	0	3	0	Lightning
Scott County Bettendorf	07	0615CST			0	0	4	0	Lightning

As the thunderstorms dissipated in southwestern Iowa, strong thunderstorm development took place over the northeast counties. The hardest hit was Benton and Iowa Counties. Heavy rain, gusty winds, and small hail fell elsewhere around northeast and east central Iowa. The storms produced hail up to golf ball-size and high winds in the two counties mentioned above. Rainfall was extremely heavy. Traer received nearly 6 inches of rain in a few hours. Some unofficial reports indicated rainfall totals of around seven inches in Benton and Iowa Counties. Flash flooding occurred with most of this rain falling in less than 4 hours. Many roads were under water with some rural roads being washed out. Four bridges were washed out in Cedar County. The lake level at Hannon lake rose 10 feet due to the heavy rainfall. Farther east, urban flooding occurred over east central Iowa. Heavy rainfall of two to four inches fell over the Quad-Cities area causing street flooding. Duck Creek rose to slightly above bank full for a few hours. Lightning from the storms struck a barn in Jones County. The barn was set on fire, causing substantial damage to the barn. This report was one of many lightning strike reports. The storms produced copious amounts of cloud to ground lightning strokes. Some other examples of lightning damage include a barn burned down near Bettendorf, an apartment fire in Davenport, a chimney blown off of an apartment building in Burlington, and a garage burned down in Marion. One of the more damaging reports came from Clinton County. Lightning struck the Clinton County offices in De Witt, and destroyed over \$50,000 worth of equipment.

Plymouth County 18 N Sioux City	07	2105CST			0	0	4	5	Hail (1.75)
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## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>IOWA Cont'd</b>									
Woodbury County									
18 N Sioux City	07	2110CST			0	0	4	5	Hail (2.00)
14 N Sioux City	07	2110CST			0	0	4	4	Thunderstorm Winds (G52)
Plymouth County									
Westfield	07	2110CST			0	0	3	3	Thunderstorm Winds (G50)
Hinton	07	2115CST			0	0	4	4	Hail (1.75)
Akron	07	2115CST			0	0	3	4	Hail (0.75)
Akron	07	2115CST			0	0	4	3	Thunderstorm Winds (G50+)
Le Mars	07	2125CST			0	0	4	4	Thunderstorm Winds (G60)
Woodbury County									
Morningside	07	2135CST			0	0	5	4	Thunderstorm Winds (G65)
Plymouth County									
Westfield	07	2135CST			0	0	4	4	Hail (1.50)
Westfield	07	2135CST			0	0	4	3	Thunderstorm Winds (G65)
1 E Westfield	07	2140CST			0	0	5	4	Hail (2.75)
Woodbury County									
6 E Sioux City	07	2150CST			0	0	3	3	Thunderstorm Winds (G50+)
11 E Sioux City	07	2200CST			0	0	3	3	Thunderstorm Winds (G50+)
15 NE Sioux City	07	2200CST			0	0	3	3	Thunderstorm Winds (G50+)
Moville	07	2213CST			0	0	0	0	Wall Cloud
Cherokee County									
Cherokee	07	2226CST			0	0	4	3	Thunderstorm Winds (G54)
Woodbury County									
11 E Sioux City	07	2230CST			0	0	3	3	Thunderstorm Winds (G50+)
Sac County									
Schaller	07	2250CST			0	0	4	3	Thunderstorm Winds (G61)
Early	07	2300CST			0	0	4	3	Thunderstorm Winds (G50+)
Sac City	07	2320CST- 2340CST			0	0	5	4	Thunderstorm Winds (G78)
Downburst winds.									
Webster County									
Lehigh	08	0030CST			0	0	3	0	Lightning
Story County									
5 N Ames	08	0100CST			0	0	4	4	Hail (1.00)

Intense thunderstorms moved into northwestern Iowa during the evening hours. Scattered reports of high winds, downed trees, and downed power lines were received. Winds gusted to around 75 mph in the Westfield area. These winds were after an initial gust to near 60 mph caused scattered damage around the City. Other reports included a 69-mph wind gust at Le Mars and a 62-mph gust at Cherokee. Some damage occurred to out buildings in the area, but it was quite limited. Reports of wind damage continued to the north, northeast, and east of Sioux City. The most significant wind damage occurred in Sac County. What appeared to be a pulsing thunderstorm moved through the county. A narrow band of extensive wind damage occurred in Sac City. Two structures were damaged significantly. The roof was taken off of both a house and the VFW building in town. Damage to the VFW building was estimated to be in excess of \$70,000. Several cars were damaged by flying debris on an automobile lot. Damage to each car ranged from \$800 to \$2,800. The downburst winds from the storm were in the 90-mph range. Some hail occurred with the storms as well. Much of the hail was not very large, but did range up to golf ball-size at times in west central Iowa. The largest hail report came from Plymouth County, east of Westfield. Isolated hailstones of up to baseball-size fell there. Crop damage was extensive in Woodbury and part of Plymouth Counties. A hail swath of at least 15 miles in length ripped through Woodbury County. It extended from the county line north of Sioux City to an area east of the city. Damage was about 0.5 mile wide at the beginning, and fanned out to 3 to 4 miles in width at the south end. Damage was in the 50- to 60-percent range to the corn crop there. The corn that was shoulder high was broken down to knee high. The storm weakened as they moved southeast, but remained strong enough to produce hail and gusty winds to the east of Sioux City. There was only one main thunderstorm cell after they passed Woodbury County. This cell tracked through Sac County. The last report of severe weather with it was north of Ames, in Story County, where 1.00-inch-diameter hail pelted the area. In Webster County, lightning struck a tree beside a house in Lehigh. Damage occurred to both the tree and the house. Some of the siding was ripped off of the house by the lightning. Flooding was quite limited, as the areal extent of the storm was not that large. Reports

# Storm Data and Unusual Weather Phenomena

July 1992

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

## IOWA Cont'd

of two to three inch rainfall amounts were common along the path of the storm as it tracked from South Dakota, through northwestern Iowa, and on into the central sections of the state.

Delaware County 4 N Hopkinton	08	0615CST			0	0	4	3	Thunderstorm Winds (G50+)
Dubuque County Peosta	08	0628CST			0	0	4	3	Thunderstorm Winds (G50+)
Dubuque Airport	08	0648CST			0	0	4	4	Thunderstorm Winds (G64)

A small area of thunderstorms developed over the northeastern part of Iowa. For the most part, they were not severe. One strong cell moved over parts of Delaware and Dubuque Counties. Large trees were downed in Peosta. Wind damage was also reported in Delaware County. As the storms moved over the Dubuque airport, wind gusts of 74 mph were recorded. Numerous trees were downed in the area by the winds.

Sioux County Rock Valley	09	1723CST			0	0	3	3	Thunderstorm Winds (G52)
2 W Sioux Center	09	1735CST-							
1 W Sioux Center		1739CST	1.0	25	0	0	4	4	Tornado (F1)
Sioux Center	09	1743CST			0	0	4	3	Thunderstorm Winds (G56)
2 S Orange City	09	1750CST			0	0	3	3	Thunderstorm Winds (G54)
O'Brien County 4 S Paullina	09	1813CST			0	0	0	0	Funnel Cloud

Strong thunderstorms developed over northern Iowa. Many of them were not severe, but produced heavy rain and gusty winds. A few cells became severe. A tornado touched down 2 miles west of Sioux Center in a rural area. It lifted before reaching the city. Damage was minor. As the storm moved into Sioux Center, winds gusted to 63 mph. Many trees and power lines were downed. Damage also occurred in Orange City a short time later. A funnel cloud was sighted on the O'Brien/Cherokee County line south of Paullina. Heavy rainfall occurred with the storms. Several areas of northwest Iowa received from 2.50 to five inches of rain as the storms moved through. Some local flooding occurred, but flash flooding was not reported.

IAZ002 > 006-020 > 024-031-SDZ018 Northwest Iowa	10	0600CST-							
	11	1800CST			0	0	4	4	Flood

Another round of heavy rainfall occurred on the 10th of the month. Two to three inches of rain fell over the headwaters of the Floyd River. One to two inches fell over the upper portions of the Des Moines River. Once again, flooding was relatively minor and mainly to agricultural areas. Rivers in the area crested less than 2 feet over flood stage.

Monona County 5 SW Onawa	11	1915CST			0	0	0	0	Funnel Cloud
Onawa	11	1935CST			0	0	3	3	Thunderstorm Winds (G50+)
6 NW Onawa	11	1945CST			0	0	4	3	Thunderstorm Winds (G50+)
2.5 W Onawa	11	1945CST			0	0	4	5	Hail (1.75)

An isolated thunderstorm developed over northeast Nebraska and moved into west-central Iowa. A funnel cloud was observed on the state line southwest of Onawa. Wind damage occurred as the storm moved through the city of Onawa. Windows were blown out at a store in downtown Onawa. Damage also occurred to the northwestern Onawa. High winds downed trees about 6 miles northwest of Onawa. Four hundred acres of crops received severe damage from golf ball-size hail 2 to 3 miles northwest of Onawa. In a short period of time, 3.50 inches of rain fell.

IAZ002 > 011-013 > 054-056 > 064-070 > 078-082 > 099- SDZ018-ILZ004-NEZ010 All of Iowa	12	1800CST-							
	18	1200CST			0	0	4	5	Flood

Once again, significant rainfall occurred over Iowa. Most of the state received anywhere from one to three inches of rain during the period of the 12th through the 14th. Due to the dry antecedent conditions prior to the beginning of July, significant flooding was avoided around the state. By the middle of the month, much of the soils in the state had been recharged and additional rainfall was beginning to run off. Even though flooding was widespread, it was largely limited to agricultural areas. Minor flooding was reported elsewhere.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## IOWA Cont'd

### Freemont County

Sidney	12	2030CST			0	0	4	4	Hail (1.75)
2 SW Sidney	12	2101CST			0	0	4	5	Hail (1.75)
Sidney	12	2115CST			0	0	4	5	Hail (1.50)
Sidney	12	2130CST			0	0	4	0	Lightning

A large area of thunderstorms formed over the south half of Iowa. In general, the storms were not severe. One strong cell produced golf ball-size hail over Freemont County. Severe crop damage was reported southwest of Sidney. Hail measuring 1.75 inch in diameter pelted Sidney. Lightning caused roof damage to several houses in the city of Sidney.

### Woodbury County Eastern Portion

	13	0800CST- 1035CST			0	0	3	3	Flash Flood
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Heavy rainfall occurred over the eastern portions of Woodbury County. Rainfall amounts in excess of three inches were reported in the area. Flash flooding was reported along Bacon Creek in Correctionville, but the damage was minor. The water receded after 1.5 hours.

### Benton County

Atkins	13	1310CST			0	0	4	3	Thunderstorm Winds (G50+)
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### Franklin County

4 SE Hampton	13	1345CST	0.5	30	0	0	5	3	Tornado (F1)
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### Benton County

Watkins	13	1346CST			0	0	5	4	Thunderstorm Winds (G65)
Newell	13	1400CST			0	0	4	3	Thunderstorm Winds (G50+)
Vinton	13	1400CST			0	0	3	0	Lightning
Norway	13	1403CST			0	0	4	3	Thunderstorm Winds (G50+)

### Linn County

Fairfax	13	1403CST			0	0	4	3	Thunderstorm Winds (G50+)
Hiawatha	13	1405CST			0	0	4	3	Thunderstorm Winds (G50+)
Cedar Rapids	13	1405CST			1	2	6	2	Thunderstorm Winds (G87)

### Iowa County

Victor	13	1430CST			0	0	3	0	Lightning
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### Jones County

Scotch Grove	13	1435CST			0	0	4	2	Thunderstorm Winds (G50+)
Oxford Mills	13	1440CST			0	0	5	4	Thunderstorm Winds (G65)
1 W Scotch Grove	13	1442CST-							
4 E Scotch Grove	13	1452CST	5.0	75	0	0	6	4	Tornado (F3)
3.5 S Hale to	13	1455CST-							
1 NE Oxford Mills	13	1507CST	5.8	75	0	0	6	4	Tornado (F2)

### Iowa County

Marengo	13	1500CST			0	0	3	3	Thunderstorm Winds (G50+)
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### Jackson County

Maquoketa	13	1508CST			0	0	6	4	Thunderstorm Winds (G56)
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### Cedar County

1 E Mechanicsville	13	1515CST			0	0	3	2	Thunderstorm Winds (G50+)
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### Jackson County

1.5 N Preston	13	1519CST- 1523CST			0	0	5	4	Thunderstorm Winds (G96)
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Bow echo beta element.

### Clinton County

1 NW Lost Nation	13	1520CST			0	0	4	3	Thunderstorm Winds (G50+)
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### Cedar County

4 N Wilton	13	1520CST			0	0	2	0	Lightning
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### Muscatine County

4 N Muscatine	13	1610CST			0	0	3	2	Thunderstorm Winds (G52)
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### Clinton County

Clinton	13	1630CST			0	0	3	0	Lightning
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### Scott County

Blue Grass	13	1630CST			0	0	3	4	Hail (0.75)
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## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>IOWA Cont'd</b>									
Bettendorf	13	1640CST			0	0	3	2	Thunderstorm Winds (G52)
Louisa County 5 W Columbus Junction	13	1640CST			0	0	3	2	Thunderstorm Winds (G50+)
<p>A cold front was moving south across Iowa during the afternoon. Intense thunderstorm development took place just ahead of the cold front. Most of the storms produced strong winds and some small hail. Several barns were blown down by the high winds. Benton County was hard hit. One person was killed and two other people injured in Cedar Rapids as high winds downed a 425-foot communications tower. The tower fell onto a factory. The man who was killed, as well as the one injured, was inside the factory building. The injured man was taken to the hospital and listed in serious condition. Eight cars were demolished. Damage was estimated to be in excess of \$500,000. Power outages were numerous. A mobile home park was also damaged by the high winds in the Cedar Rapids area. The entire town of Watkins was without electricity for 6 hours following the storm. A relatively small tornado touched down in Franklin County. A farmstead was hit, destroying a cattle barn and taking out a grove of trees. Two tornadoes occurred in Jones County. One was in the town of Scotch Grove. Trees were downed and six farmsteads sustained significant damage from the tornado. Four houses were hit and four businesses were affected. Two of the houses were destroyed, one had major damage, the last had only minor damage. Damage in the Scotch Grove area was between \$500,000 and \$800,000. A second tornado touched down in the southeastern part of the county south of Hale. It was on the ground for nearly 6 miles and caused considerable damage. Seven houses, four barns, and a mobile home were damaged. Damage from the tornado was estimated around \$1 million. A short time before the tornado touched down, Oxford Junction reported winds of 75 mph were reported in nearby Oxford Mills. The winds caused considerable structural damage in the town. In the town of Maquoketa, winds of 65 mph downed trees, wires, damaged roofs, and blew the end out of a building. In Maquoketa, a large metal storage building was leveled. Damage in the city of Maquoketa was estimated at \$1,036,000. East of Maquoketa, in the Preston area, high winds of at least 100 mph leveled a house. Damage occurred to metal reinforcement braces on utility poles. The winds actually bent the reinforcements. Structural engineers who investigated the damage reported that winds of at least 110 mph were necessary to cause that type of damage. These were straight line winds from what appeared to be a bow echo configuration on radar. Hail was minimal with these storms due to very warm conditions aloft. Spotty reports were received of 0.50- to 0.75-inch hail. High winds downed many trees and power lines across east-central Iowa. Spotty building damage occurred, mostly to out buildings. In Clinton County, a barn was blown down by high winds. There were 60 head of cattle in the barn. Several were killed by the collapsing building. Lightning struck a city building in Clinton and caused a small electrical fire. Lightning struck a house in Benton County at Vinton. It blew a hole in the wall of the house and caused some electrical damage. Lightning also struck a lounge in Iowa County at Victor, causing minor electrical damage. Lightning strikes split several trees on a farmstead north of Wilton, in Cedar County. (M570)</p>									
Shelby County									
2 N Avoca	15	1625CST			0	0	0	0	Funnel Cloud
3 N Walnut	15	1650CST			0	0	3	4	Hail (0.75)
Pottawattamie County									
Walnut	15	1653CST			0	0	5	4	Hail (2.50)
Cass County									
Atlantic	15	1734CST			0	0	3	4	Hail (0.75)
Atlantic	15	1734CST			0	0	4	3	Thunderstorm Winds (G52)
Ringgold County									
Maloy	15	1740CST			0	0	3	4	Hail (0.75)
Cass County									
2.5 SE Lewis	15	1741CST	0.1	15	0	0	2	2	Tornado (F0)
Taylor County									
Plattville	15	1742CST			0	0	4	5	Hail (1.50)
Cass County									
10 SE Atlantic	15	1744CST			0	0	3	4	Hail (0.875)
Adair County									
Bridgewater	15	1745CST			0	0	3	4	Hail (0.75)
Webster County									
Fort Dodge	15	1745CST			0	0	4	3	Thunderstorm Winds (G50+)
1 S Fort Dodge	15	1756CST			0	0	0	0	Funnel Cloud

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>IOWA Cont'd</b>									
Union County 3 N Creston	15	1757CST- 1759CST	1.0	25	0	0	3	3	Tornado (F1)
An F1 tornado moved eastward, 3 miles north of Creston.									
Adair County 3 SE Orient	15	1800CST			0	0	4	3	Thunderstorm Winds (G50+)
Union County 5.5 N Creston	15	1802CST			0	0	0	0	Funnel Cloud
Webster County Fort Dodge Arpt	15	1811CST			0	0	4	3	Thunderstorm Winds (G60)
Fort Dodge	15	1814CST			0	0	4	3	Thunderstorm Winds (G61)
Hamilton County 6.5 S Webster City	15	1843CST	0.1	20	0	0	3	3	Tornado (F0)
10 S Webster City	15	1845CST			0	0	3	4	Hail (1.75)
Ringgold County 2135CST	15	1900CST- 2135CST			0	0	5	4	Flash Flood
Union County 2135CST	15	1900CST- 2135CST			0	0	5	4	Flash Flood
Decatur County 2135CST	15	1900CST- 2135CST			0	0	5	4	Flash Flood
Taylor County 2135CST	15	1900CST- 2135CST			0	0	5	4	Flash Flood
Wayne County Sewal	15	1915CST			0	0	3	4	Hail (0.75)
Corydon	15	1930CST			0	0	4	3	Thunderstorm Winds (G50+)
Seymour	15	1935CST			0	0	4	3	Thunderstorm Winds (G61)
Boone County Boone	15	1938CST			0	0	4	3	Thunderstorm Winds (G50+)
Wayne County Promise City	15	2000CST			0	0	4	3	Thunderstorm Winds (G54)
Hamilton County Webster City	15	2000CST			0	0	3	3	Thunderstorm Winds (G50+)
Boone County 2145CST	15	2000CST- 2145CST			0	0	5	4	Flash Flood
Lucas County Chariton	15	2011CST			0	0	4	3	Thunderstorm Winds (G52)
Appanoose County 1 NE Jerome	15	2016CST			0	0	3	3	Thunderstorm Winds (G50+)
3 SW Centerville	15	2017CST			0	0	4	3	Thunderstorm Winds (G50+)
8 W Moulton	15	2024CST			0	0	5	4	Thunderstorm Winds (G70)
Sharon	15	2029CST			0	0	4	3	Thunderstorm Winds (G50+)
2 SE to 5 SE Centerville	15	2035CST- 2052CST	3.0	70	0	0	5	4	Tornado (F2)
Benton County Vinton	15	2055CST			0	0	3	0	Lightning
Linn County 2245CST	15	2145CST- 2245CST			0	0	5	3	Urban Flood
Johnson County 0015CST	15 16	2200CST- 0015CST			0	0	5	3	Urban Flood

During the afternoon, a warm frontal boundary was to the south of Iowa as a cold front approached from the west. Surface convergence resulted in pooling of dew point temperatures over southeastern Nebraska, northeastern Kansas, and southwestern Iowa. Thunderstorms developed explosively over northeastern Kansas and quickly spread into southwestern Iowa. Later on, a broken line of thunderstorms existed along the cold frontal boundary as it moved across the state. The first severe weather came from west-central Iowa in Shelby County. A funnel cloud and hail of 0.75 inch in diameter were reported. A short time later, large hail fell in Pottawattamie County at Walnut. Crop damage was extensive as hail larger than tennis ball-size fell. A tornado touched down in Cass County. This was observed by a state trooper. It touched down in open country. High winds and some hail were reported. A tornado touched down in Union County, north of Creston. It was on the ground in the countryside for a short distance before lifting. Funnel clouds were later reported from the same cluster of storms farther north of Creston. Significant hail fell in Taylor County in

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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## IOWA Cont'd

the Plattville area. Hail measuring 1.50 inch in diameter covered the ground and destroyed many crops. This was characteristic of the storms as they moved across southern Iowa producing hail and high winds. A significant tornado touched down in Appanoose County from the southern group of storms. It touched down southeast of Centerville, and was on the ground for about 2.5 miles. A church was taken from its foundation and extensive damage occurred to a farmstead along the tornado path. The gust front ahead of the storm caused damage in the other parts of the county. High winds occurred southwest of Centerville. A barn was destroyed 3 miles southwest of the City. West of Moulton, a building was destroyed by high winds. Two grain bins were destroyed, with one of them being blown 0.5 mile away. As the line of storm moved across southern Iowa, an extension of the line formed farther to the north. Severe weather began in the Fort Dodge area of Webster County. Winds of up to 70 mph occurred there with the storm passage. As the strongest cell moved into Hamilton county, a classic hook echo was observed by weather radar in Waterloo. It was south of Webster City. A tornado did touch down briefly south of Webster City. After the main thunderstorm passed, strong outflow winds on the back side of the cell caused damage in Webster City. Golf ball-size hail fell in the general area as well. As the line of thunderstorms moved east, there were continued reports of high winds, downed trees, and power lines downed. The southern extend of the gust front reached Boone, downing several trees in the City. The next major problem was with flooding. The storm were slow moving, resulting in heavy rainfall. Flash flooding occurred over southern Iowa in a four-county area, as torrential rains fell. Ditches filled quickly, sending water over roadways. Between the hours of 1700 CST and 1915 CST, five inches of rain fell in parts of the four-county area in less than a 2-hour period. Thunderstorms over Boone County of central Iowa dropped between 2.50 and 4.50 inches of rain on the county in a little over an hours time. This caused some minor flash flooding. Heavy rainfall occurred in Story County, but flash flooding was not reported by be a problem there. The storm continued to move east through the evening. Gusty winds, pea to marble-size hail and very heavy rain was reported with them. The only real problem with them was in urban areas. Urban flood warnings were issued as the storms produced considerable street flooding in Cedar Rapids of Linn County, and in Iowa City of Johnson County.

### Kossuth County 5 W Algona

18	1406CST							Funnel Cloud
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Showers and isolated thunderstorms developed over northern Iowa. The air aloft was quite cold, but not seemingly cold enough for a cold air funnel situation. What was apparently a cold air funnel cloud was observed briefly west of Algona, in Kossuth County.

### Pottawattamie County 1 S Minden Cass County Atlantic Cumberland Wiota

18	2230CST							Hail (1.75)
18	2345CST-							Hail (2.50)
19	0002CST							Hail (2.50)
18	2355CST							Hail (1.25)

Thunderstorms fired up over western Iowa in advance of an approaching warm front. The thunderstorm activity was restricted to the southwest quarter of the state for the most part. A strong storm cell moved into Pottawattamie County. Golf ball-size hail fell south of Minden, causing crop damage there. A very strong cluster of storms moved over Cass County. Hail, mostly about 1.00 inch in diameter, fell in a band extending from near Atlantic to near Cumberland. Some of the hail was reported to be 2.50 inches in diameter. Damage was done to several cars in the Atlantic area by the large hail. Between \$1,500 and \$2,000 damage to each car was reported as the hail dented cars. Considerable damage was done to crops in the area by the hail.

### Wayne County 5 N Promise City

19	1910CST							Funnel Cloud
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A line of thunderstorms developed ahead of a cold front as the front sagged southeast across Iowa. Many of the storms produced pea to marble-size hail and 30- to 40-mph winds. Although there was no severe weather reported with these storms, a funnel cloud was observed north of Promise City, in Wayne County as one of the stronger storms moved over the area.

### Woodbury County Morningside

24	0652CST							Lightning
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# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## IOWA Cont'd

Thunderstorms moved over Woodbury county. A 32-year-old construction worker was struck and killed by lightning at a construction site in Morningside. He was on roof scaffolding when the lightning strike occurred. When the ambulance arrived, he was pronounced dead at the scene. (M32O)

Story County	24	1330CST-1430CST			0	0	4	3	Urban Flood
Shelby County									
6 W Harlan	24	1348CST			0	0	0	0	Funnel Cloud
Elk Horn	24	1348CST			0	0	0	0	Funnel Cloud
Polk County	24	1400CST-1500CST			0	0	5	3	Urban Flood
Pocahontas County									
Fonda	24	1430CST			0	0	0	0	Funnel Cloud
Jasper County	24	1500CST-1600CST			0	0	5	3	Urban Flood
Ringgold County									
1.5 S Mt. Ayr	24	1720CST	0.1	15	0	0	2	2	Tornado (F0)

A warm front was located south of Iowa. Thunderstorms developed ahead of the front across much of Iowa. The main feature was the very heavy rainfall. Many locations received from two to four inches of rain in a few hours time. Flooding occurred in several urban areas. Rural areas reported considerable ponding, but no major flooding. In Des Moines, many streets became like rivers as some areas of the city received as much as 1.20 inches of rain in a time span of 10 minutes. Severe weather was limited. There were several reports of funnel clouds, but only one brief tornado touchdown occurred. The tornado touched down south of Mt. Ayr. No significant damage was reported with the tornado.

IAZ002-003-013-014-021-022-033 > 035-045 > 053-059 > 064-071-078-082 > 089-094 > 099	25	0600CST-							
Central and Eastern Iowa	28	1800CST			0	0	4	4	Flood

Widespread rainfall of one to two inches were reported over central and eastern portions of Iowa. Heavy amounts fell in some areas, with 4.53 inches falling at Jefferson in the central portion of the North Raccoon River Basin. The heaviest band was 10 to 20 miles wide and extended from Jefferson to south of Ames, through Grinnell, Brooklyn, Ladora, and Williamsburg. Some of the areas reporting three inch or greater amounts include Brooklyn with 3.44 inches, Prairie City with 3.39 inches, and Ankeny with 3.10 inches. There was considerable urban flooding through the band of heavier rainfall. Once again, flooding was mostly to agricultural areas. Some flooding was reported along the rivers, especially along the Skunk River. The stage at Sigourney crested nearly 5 feet over flood stage. Some flooding was reported over the northwest part of the state as well. Lesser amounts of rain fell there, but soil moisture was high resulting in a lot of runoff.

Audubon County									
Audubon	25	1445CST			0	0	0	0	Funnel Cloud

Thunderstorms developed over many sections of Iowa during the afternoon hours. The strongest storms at mid afternoon were in the west-central counties. Although no severe weather was reported with the storms, there were several reports of funnel clouds in and around the City of Audubon.

Woodbury County									
Sergeant Bluff	28	0105CST			0	0	3	4	Hail (0.75)
Guthrie County									
Bayard	28	0311CST			0	0	2	4	Hail (0.75)

A cold front moved into extreme northwestern Iowa during the early morning hours. Scattered thunderstorms moved southeast across much of Iowa in advance of the front. For the most part, there was no severe weather associated with the storms. One storm dropped 0.75-inch-diameter hail on Sergeant Bluff. Another cell became severe in Guthrie County and produced dime-size hail, damaging crops in the area.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>IOWA Cont'd</b>									
Marion County 5 SE Knoxville	28	1630CST			0	0	3	5	Hail (1.50)
Taylor County Lexington	28	1635CST			0	0	4	3	Thunderstorm Winds (G50+)
Ringgold County Kellerton	28	1641CST			0	0	3	3	Thunderstorm Winds (G50+)

The cold front mentioned previously continued to push southeast into Iowa. During the afternoon hours it reached the central part of the state, then became stationary. A cluster of intense thunderstorms developed in advance of the cold front in southwest Iowa. High winds downed several "sound" trees in Taylor County at Lexington. One of them was a 60-foot tall pine tree with a diameter of 2 to 3 feet at the base. High winds also downed trees in the Kellerton area. As the storms progressed across southern Iowa, most reports indicated winds of 45 to 50 mph and hail of up to marble-size. A lone, but intense, thunderstorm developed ahead of the main cluster of storms. As it moved over Marion County, it produced a 1-mile-wide swath of hail southeast of Knoxville. Crop damage was considerable in the area with several corn and bean fields nearly destroyed.

Madison County Truro	29	1608CST			0	0	4	4	Hail (1.75)
Clarke County 3 SW New Virginia	29	1612CST			0	0	3	5	Hail (1.75)
Warren County New Virginia	29	1615CST			0	0	4	4	Hail (1.75)
New Virginia	29	1615CST			0	0	4	4	Thunderstorm Winds (G55)
New Virginia	29	1620CST			0	0	4	3	Thunderstorm Winds (G50+)
New Virginia	29	1622CST			0	0	3	0	Lightning
Wayne County Allerton	29	1745CST			0	0	3	4	Hail (0.75)
Washington County Brighton	29	1810CST			0	0	3	0	Lightning

A quasi-stationary front extended east west across Iowa. Thunderstorms developed in the vicinity of the frontal boundary throughout the day. During the late afternoon a severe thunderstorm developed over Madison County. It produced golf ball-size hail at Truro. As the storm moved east into Warren County, it produced golf ball-size hail and winds of 60 to 65 mph in New Virginia. The high winds continued in the New Virginia area for a period of at least 5 minutes. Power lines and trees were downed. Several windows were broken out by the wind and hail. A 50-foot-long section of wall of a vacant building was caved in by the winds. The storm caused widespread crop damage. The corn was stripped to the stalks and soy beans flattened in a damage path 5 to 6 miles in width. Another thunderstorm cell became severe over Wayne County, dropping 0.75-inch-diameter hail and damaging crops. Lightning struck the roof of the high school in New Virginia. It left a crack 40 feet long in the roof. As the thunderstorms moved east, there was further development to the northeast of the severe thunderstorms. One of the storms passed over Brighton. Lightning struck a truck, with the driver inside, at the end of his driveway. The driver was unhurt with the exception of having wobbly knees after the incident. Lightning disintegrated the radio antenna and smashed a rear cargo lamp. High voltage current ran through the truck body, welding 17 fresh spots near the right rear wheel. There were also several welding points beneath the truck.

IAZ058 > 064-071 > 078- 082 > 089-094 > 099	29	1800CST-							
Southern Iowa	31	2400CST			0	0	4	4	Flood

The month ended as it started. Another one to two inches of rain fell on the 29th and 30th over the southern half of the state. By this time, soils were nearly saturated, so several rivers overflowed their banks. Flooding was not major, except in agricultural areas. River crests were 2 to 3 feet over flood stage in many areas. July turned out to be wet and cool. Precipitation was reported over at least part of the state on 25 of the 31 days. Preliminary information relayed by State Climatologist Harry Hillaker, Iowa Department of Agriculture and Land Stewardship, indicated statewide average precipitation was 8.49 inches, or 215% of the normal 3.95 inches. This was the second wettest July on record, and was the wettest July on record in the Central, East Central, and Southeast climate districts. Rainfall totals for individual stations ranged from a low of 4.37 inches at Lake Mills (which is still above normal) to highs of 15.09 inches at Williamsburg and 15.07 inches at Clutier. The increase in statewide average rainfall from 1.98 inches in June to 8.49 inches in July was the greatest month-to-month rainfall increase ever recorded in Iowa.

## Storm Data and Unusual Weather Phenomena

July 1992

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

### IOWA Cont'd

Fremont County 2 W Riverton	29	2035CST			0	0	4	4	Hail (1.75)
Montgomery County Stanton	29	2143CST			0	0	3	4	Hail (1.00)
Red Oak	29	2145CST			0	0	3	4	Hail (0.80)
Red Oak	29	2200CST			0	0	3	4	Hail (1.50)

During the late evening hours, additional thunderstorms developed near the frontal boundary, mentioned above, as the nocturnal low level jet strengthened. Hail, up to golf ball-size, fell in the southwestern counties of Iowa. Hail of slightly larger than 0.75 inch in diameter fell at Red Oak initially, then hail of 1.50 inch in diameter fell before the storm moved off the the east. Damage was reported to crops in the area.

Warren County	30	0115CST- 0345CST			0	0	5	5	Flash Flood
Mahaska County	30	0200CST- 0530CST			0	0	5	4	Flash Flood

During the early morning hours, the low level jet reached its maximum strength. As it did, copious moisture was drawn north across the quasi-stationary frontal system. A narrow area of heavy rain producing thunderstorms developed. Scattered rainfall amounts of one to three inches were common over the south half of Iowa. A small area from south of Des Moines to east of Oskaloosa received very heavy rainfall. In Warren County, an official rainfall total of 6.35 inches was received. The rainfall fell on already saturated ground. Flooding occurred over much of the county, especially the northeastern part. Highway 5 was reported under water southeast of Carlisle. Many gravel roads over northeast Warren County were reported under water. Rainfall wasn't as heavy over Mahaska County, but did cause flash flooding there as well. Water quickly rose, putting highway 163 under water west of the Oskaloosa area. Both Warren and Mahaska County officials reported most small streams out of their banks following the rainfall.

### KANSAS

Cheyenne County 6 W St. Francis	01	2132CST			0	0	3	3	Hail (0.75)
St. Francis	01	2142CST			0	0	3	3	Hail (0.75)
5 E St. Francis	01	2200CST			0	0	3	3	Hail (0.75)
Bourbon County Fulton	02	1530CST			0	0	0	2	Hail (0.75)
Fulton	02	1600CST			0	0	0	2	Hail (0.75)

A thunderstorm dropped 0.75-inch hail at Fulton. Very little damage resulted.

Crawford County Girard	04	1230CST			0	0	0	2	Hail (0.75)
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A thunderstorm dropped 0.75-inch hail at Girard. Very little damage resulted.

Lyon County Hartford	04	1343CST			0	0	3	2	Hail (1.75)
Osage County 6 N Lyndon	04	1400CST			0	0	3	2	Hail (1.75)
Osage City	04	1400CST			0	0	5	3	Hail (1.50)

Large hail from the severe storm caused extensive damage in and around Osage City. An automobile dealership estimated damage at \$300,000.

Morris County Council Grove	04	1430CST			0	0	0	0	Hail (0.75)
Chase County Elmdale	04	1436CST			0	0	3	3	Hail (1.75)
Osage County Overbrook	04	1443CST			0	0	3	3	Hail (5.00)

Hail measuring 5.00 inches in diameter with a 14-inch circumference caused extensive damage in and around the city of Overbrook to homes, cars and crops.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
Morris County Latimer	04	1445CST			0	0	4	0	Lightning
Lightning caused a fire that destroyed a shed containing a pickup truck, motorcycle, mower and tools.									
Douglas County 15 SW Lawrence	04	1453CST			0	0	3	2	Hail (2.50)
Coffey County	04	1500CST- 0300CST			0	0	5	6	Flash Flood
Several waves of thunderstorms brought rains estimated at three to eight inches that caused widespread flooding to the entire county. Roads, bridges, crops and structures were damaged or destroyed by the flooding that began in the late afternoon and continued until early the next morning. Hail, high winds and lightning accompanied the storms and caused additional damage.									
Chase County Cottonwood Falls	04	1503CST			0	0	3	3	Hail (1.75)
4 N Strong City	04	1504CST			0	0	2	0	Thunderstorm Winds (G52)
4 N Strong City	04	1504CST			0	0	3	3	Hail (1.75)
Osage County Melvern Lake	04	1509CST			0	0	0	0	Hail (0.75)
Douglas County Lone Star	04	1510CST			0	0	2	2	Hail (1.75)
Lone Star	04	1513CST			0	0	0	0	Thunderstorm Winds (G52)
Lyon County Plymouth	04	1519CST			0	0	0	3	Hail (0.75)
Anderson County Southern Portion	04	1530CST- 2330CST			0	0	5	5	Flash Flood
Excessive rains and hail damaged crops, county roads and some buildings in mainly the southern third of the county.									
Pottawatomie County Wamego	04	1538CST			0	0	3	2	Hail (1.00)
Chase County Saffordville	04	1550CST			0	0	3	3	Hail (1.75)
Coffey County Burlington	04	1555CST			0	0	3	2	Thunderstorm Winds (G56)
Strong winds caused damage to roofs and uprooted trees in and near the city of Burlington.									
Johnson County 5 SW De Soto	04	1558CST			0	0	2	2	Hail (0.75)
Leavenworth County 5 W Linwood	04	1600CST			0	0	2	2	Hail (1.00)
A wind gust to 60 mph accompanied the large hail.									
Osage County Lyndon	04	1600CST			0	0	5	5	Hail (1.75)
Stevens County 2 E Woods	04	1603CST			0	0	0	0	Hail (1.75)
2 E Woods	04	1603CST			0	0	0	0	Thunderstorm Winds (G65)
Leavenworth County 5 W Linwood	04	1604CST			0	0	3	2	Hail (1.75)
Pottawatomie County Belvue	04	1606CST			0	0	4	3	Hail (2.75)
Seward County 13 N Liberal	04	1611CST			0	0	0	0	Hail (1.75)
5 NW Liberal	04	1611CST			0	0	0	0	Hail (1.00)
9 N Liberal	04	1613CST			0	0	0	0	Thunderstorm Winds (G57)
Shawnee County Topeka	04	1613CST			0	0	4	3	Hail (1.00)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
<b>Billard</b>									
Hail to around 1.00-inch fell at Billard Airport in the northeast section of the city of Topeka.									
Coffey County 5 NW to 12 NW Burlington	04	1615CST			0	0	4	3	Hail (4.50)
Hail up to softball-size caused extensive damage to buildings, cars and crops in a wide swath northwest of Burlington.									
Shawnee County 3 NW Topeka	04	1620CST			0	0	4	3	Hail (0.75)
Stevens County 1 S Woods	04	1621CST			0	0	0	0	Hail (1.75)
Hail broke some windows in a building.									
1 S Woods	04	1621CST			0	0	0	0	Thunderstorm Winds (G50)
Gray County Montezuma	04	1630CST			0	0	0	0	Hail (1.75)
Leavenworth County 1.5 W Tonganoxie	04	1630CST			0	0	2	2	Hail (0.75)
Seward County 13 N Liberal	04	1630CST			0	0	0	0	Hail (1.00)
Morris County Council Grove	04	1635CST			0	0	3	3	Hail (1.75)
Marshall County Frankfort	04	1636CST			0	0	3	3	Hail (1.75)
Coffey County Le Roy	04	1637CST			0	0	4	3	Hail (1.00)
Hail and accompanying high winds damaged a greenhouse and adjacent roofs and cars, and also uprooted some trees.									
Mitchell County 2 NE Hunter	04	1640CST			0	0	4	4	Hail (0.75)
Johnson County Shawnee	04	1644CST			0	0	2	2	Hail (0.75)
Douglas County Clinton Lake	04	1645CST			0	0	3	0	Thunderstorm Winds (G52)
High winds blew over several campers and downed tree limbs.									
Morris County Council Grove	04	1646CST			0	0	3	4	Hail (2.00)
Softball-size hail damaged crops and cars in the area.									
Riley County Manhattan	04	1649CST			0	0	3	2	Hail (1.00)
Osborne County Osborne	04	1650CST			0	0	5	5	Hail (1.75)
Pottawatomie County 2.5 E Manhattan	04	1650CST			0	0	3	2	Hail (1.75)
Allen County Iola	04	1658CST			0	0	0	3	Hail (0.75)
Meade County 2 S Plains	04	1658CST			0	0	0	0	Thunderstorm Winds (G55)
Douglas County Lawrence	04	1700CST			0	0	4	2	Thunderstorm Winds (G52)
High winds knocked down a wall and caused other damage at a construction site.									
Meade County Plains	04	1700CST			0	0	0	0	Thunderstorm Winds (G55)
Wabaunsee County	04	1700CST-							

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
	05	0500CST			0	0	6	5	Flash Flood
Widespread heavy rains of two to six inches caused flooding through most of the county from the late afternoon through the early morning hours of the next day. Mill creek pushed well out of banks flooding camp grounds, streets and roads. As much as 3 feet of water covered streets in McFarland with flooded basements and stalled cars. Alma experienced similar conditions.									
Woodson County Yates Center	04	1700CST			0	0	3	0	Thunderstorm Winds (G52)
Coffey County 6 NE Burlington	04	1705CST			0	0	4	2	Hail (2.00)
Hail to around baseball-size broke out windows and damaged crops, cars and roofs.									
Douglas County Worden	04	1712CST			0	0	4	3	Hail (2.00)
Seward County 5 E Liberal	04	1719CST			0	0	0	0	Thunderstorm Winds (G70)
A tractor-semitrailer was blown on its side by thunderstorm winds.									
Ford County Dodge City Airport	04	1730CST			0	0	0	0	Thunderstorm Winds (G58)
Meade County 1 S Plains	04	1740CST			0	0	0	0	Hail (0.75)
1 S Plains	04	1740CST			0	0	0	0	Thunderstorm Winds (G50)
Large tree limbs blown down in Meade County.									
Ness County Ness City	04	1740CST			0	0	3	3	Hail (0.75)
Coffey County Lebo	04	1750CST			0	0	3	2	Hail (0.75)
Greenwood County Hamilton	04	1750CST			0	0	3	0	Thunderstorm Winds (G52)
Ness County 5 S Ness City	04	1755CST			0	0	3	3	Hail (0.75)
Meade County 17 SSW Meade	04	1759CST			0	0	0	0	Hail (0.75)
17 SSW Meade	04	1759CST			0	0	0	0	Thunderstorm Winds (G50)
Ness County 3 E Beeler	04	1804CST			0	0	0	0	Funnel Cloud
Finney County Garden City	04	1807CST			0	0	0	0	Hail (0.75)
Garden City Airport	04	1813CST			0	0	0	0	Hail (0.75)
Allen County 3 NW Iola	04	1819CST			0	0	0	3	Hail (0.75)
Ness County 6 SW Beeler	04	1840CST			0	0	0	0	Funnel Cloud
Washington County Mahaska	04	1849CST			0	0	4	4	Hail (0.75)
Ness County 6 N Beeler	04	1855CST			0	0	3	3	Thunderstorm Winds (G?)
Tree limbs down and door blow off building at Whipple Farm.									
Coffey County 3 N Burlington	04	1900CST			0	0	4	2	Hail (4.50)
Hail to softball-size caused extensive damage to cars, roofs and crops.									
Lyon County Admire	04	1900CST			0	0	3	2	Hail (1.75)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
Pottawatomie County 5 E Manhattan	04	1915CST			0	0	3	3	Hail (1.75)
Coffey County Le Roy	04	1923CST			0	0	4	3	Hail (2.00)
Allen County Gas	04	1930CST			0	0	3	0	Thunderstorm Winds (G52)
Pawnee County Larned	04	1930CST			0	0	0	0	Thunderstorm Winds (G55)
Large tree limbs and power lines knocked down.									
Rooks County 3 N Webster Resv	04	1930CST			0	0	0	0	Funnel Cloud
5 SW Stockton	04	1930CST			0	0	0	0	Funnel Cloud
Allen County 5 N Iola	04	1940CST			0	0	3	4	Hail (1.75)
Wabaunsee County Eskridge	04	1940CST			0	0	3	2	Thunderstorm Winds (G52)
Eskridge	04	1940CST			0	0	4	3	Hail (2.75)
Coffey County Lebo	04	1944CST			0	0	4	3	Thunderstorm Winds (G50)
High winds uprooted trees and caused roof damage.									
Allen County 4 E Iola	04	1945CST			0	0	3	4	Hail (1.75)
Gas	04	1945CST			0	0	3	4	Hail (1.75)
Woodson County Neosho Falls	04	1950CST			0	0	0	3	Hail (0.75)
Wabaunsee County Eskridge	04	1951CST			0	0	4	4	Hail (2.50)
Large hail caused significant damage to crops and structures.									
Coffey County New Strawn	04	1955CST			0	0	4	4	Hail (2.00)
Reno County 3 SW Plevna	04	2005CST			0	0	2	0	Thunderstorm Winds (G52)
A thunderstorm wind gust was estimated at 60 mph southwest of Plevna; little damage resulted.									
Rooks County Webster Resv	04	2013CST			0	0	3	0	Hail (0.75)
Republic County Scandia	04	2015CST			0	0	4	4	Hail (0.75)
Lyon County Emporia	04	2045CST			0	0	4	3	Hail (1.00)
Hail and high winds caused damage in the city of Emporia.									
Neosho County Chanute	04	2050CST			0	0	0	3	Hail (0.75)
Cloud County 0.5 W Concordia	04	2051CST			0	0	4	4	Hail (0.75)
Neosho County Chanute	04	2058CST			0	0	3	4	Hail (1.75)
Cloud County Concordia	04	2105CST			0	0	5	5	Hail (1.75)
0.5 E Concordia	04	2110CST			0	0	5	5	Hail (2.00)
Neosho County 2 S Galesburg	04	2115CST			0	0	2	3	Hail (0.75)
2 S Galesburg	04	2115CST			0	0	3	0	Thunderstorm Winds (G52)
Thayer	04	2125CST			0	0	0	3	Hail (0.75)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
Cloud County Central Portion	04 05	2130CST- 0030CST			0	0	4	4	Flash Flood
A series of severe thunderstorms moved across part of north-central Kansas and dropped large hail. In addition to the hail, the storm caused some high winds, and dropped over two inches of rain. High winds downed several large trees in Concordia. Heavy rainfall caused some street flooding and water was over several county roads for a few hours.									
Osage County Osage City	04	2133CST			0	0	4	3	Hail (1.00)
Allen County 5 N Iola	04 05	2140CST- 0030CST			0	0	4	4	Flash Flood
Labette County Parsons	04	2140CST			0	0	0	2	Hail (0.75)
Neosho County St. Paul	04	2140CST			0	0	0	3	Hail (0.75)
Woodson County Yates Center	04 05	2142CST- 0030CST			0	0	4	4	Flash Flood
Neosho County 2 N St. Paul	04	2155CST			0	0	4	0	Thunderstorm Winds (G50+)
Lake Parsons	04	2155CST			0	0	4	0	Thunderstorm Winds (G50+)
Morris County Dunlap	04 05	2200CST- 0600CST			0	0	3	4	Flash Flood
Water was up to 3 feet deep in the park and surrounding areas of Dunlap from very heavy rains.									
Labette County Oswego	04	2220CST			0	0	0	2	Hail (0.75)
Allen County Gas	04	2250CST			0	0	3	0	Thunderstorm Winds (G56)
Gas	04 05	2250CST 0030CST			0	0	4	4	Flash Flood
Iola	04	2250CST			0	0	2	2	Hail (0.75)
Iola	04	2250CST			0	0	4	0	Thunderstorm Winds (G52)
Geary County Junction City	04	2250CST			0	0	3	3	Hail (1.75)
Neosho County Chanute	04	2313CST			0	0	3	0	Thunderstorm Winds (G52)
St. Paul	04	2313CST			0	0	3	0	Thunderstorm Winds (G52)
Cherokee County 5 N Columbus	04	2330CST			0	0	3	0	Thunderstorm Winds (G50+)
Neosho County 2 SW Galesburg	04	2330CST			0	0	3	0	Thunderstorm Winds (G50+)
Labette County Oswego	04	2340CST			0	0	3	0	Thunderstorm Winds (G50+)
Cherokee County Columbus	04	2355CST			0	0	3	0	Thunderstorm Winds (G52)
A cluster of severe thunderstorms formed initially west of Emporia, then spread and intensified as it slid and developed southeast toward Iola and Chanute. It dropped hail the size of golf balls and produced 60-mph wind gusts in many spots. Thunderstorm winds knocked down trees and five power poles, 2 miles north of St. Paul at 2155 CST. A mobile home was knocked off its blocks at Lake Parsons, located in Neosho County, 6 miles northwest of Parsons, at about the same time. Rainfall totals of three to five inches were common, especially in Woodson and Allen Counties. Flash Flooding sent many small creeks out of their banks around Yates Center and Iola. Many county roads were flooded, and U.S. Highway 169 was closed for a time, 5 miles north of Iola.									
Allen County Iola	05 06	0500CST- 0500CST			0	0	4	4	Flood

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
Woodson County Neosho Falls	05 06	0500CST- 0500CST			0	0	4	4	Flood
Neosho County Chanute	05 06	1200CST- 1600CST			0	0	4	4	Flood
Labette County Oswego	07 08	0800CST- 0800CST			0	0	4	4	Flood
Runoff from heavy rainfall sent the Neosho River about 2 feet above flood stage along its reach from John Redmond Reservoir to the Oklahoma border southeast of Chetopa. Low lying fields along the river were flooded and crops were washed out, but no homes or towns were threatened.									
Logan County Winona	07	1808CST			0	0	4	5	Hail (3.00)
4.5 SW Monument	07	1810CST			0	0	5	5	Hail (3.00)
Thomas County 6 S Mingo	07	1812CST			0	0	4	5	Hail (3.00)
Gove County 7.2 NW Gove	07	1855CST			0	0	4	5	Hail (3.00)
Norton County 10 W Norton	07	1903CST			0	0	3	4	Hail (1.75)
Decatur County Lyle	07	1905CST			0	0	3	4	Hail (1.75)
Rawlins County 10 NE Atwood	07	1905CST			0	0	3	3	Hail (0.75)
Decatur County 6 N Oberlin	07	1920CST			0	0	3	4	Hail (1.75)
Norton County 9 W Norton	07	1935CST			0	0	4	5	Hail (2.00)
Sherman County 3 W Goodland	07	1955CST			0	0	3	3	Hail (0.75)
Goodland Airport	07	1955CST			0	0	0	0	Hail (0.75)
W Goodland	07	1958CST			0	0	5	0	Hail (2.00)
High wind with the large hail tore down some tree limbs.									
Norton County 9 W Norton	07	2000CST			0	0	3	4	Hail (1.75)
Sherman County 12 E Goodland	07	2015CST			0	0	3	4	Hail (1.75)
Wallace County Weskan	07	2015CST			0	0	3	3	Hail (1.50)
Thomas County Brewster	07	2022CST			0	0	4	4	Hail (1.75)
Decatur County Norcatour	07	2030CST			0	0	5	5	Hail (3.00)
Wallace County Sharon Springs	07	2035CST			0	0	4	4	Hail (1.50)
Sheridan County 1 S Angelus	07	2100CST			0	0	3	3	Hail (1.50)
Graham County Morland	07	2145CST			0	0	3	3	Hail (0.75)
Hill City	07	2150CST			0	0	4	4	Hail (1.75)
10 E Hill City	07	2155CST			0	0	3	4	Hail (1.75)
Finney County Garden City	07	2158CST			0	0	2	0	Thunderstorm Winds (G50)
Large tree limbs knocked down in town. A fireworks stand was also destroyed by the winds.									
Gray County 2.5 N Ingalls	07	2159CST			0	0	0	0	Thunderstorm Winds (G48)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
<b>Rooks County</b>									
4 SSE Plainville	07	2230CST			0	0	3	2	Thunderstorm Winds (G61)
4 SSE Plainville	07	2230CST			0	0	3	3	Hail (0.75)
8 NE Plainville	07	2245CST			0	0	1	1	Thunderstorm Winds (G52)
<b>Russell County</b>									
Gorham	07	2310CST			0	0	4	4	Thunderstorm Winds (G52)
<b>Osborne County</b>									
5 E Natoma	07	2320CST			0	0	4	4	Thunderstorm Winds (G52)
<b>Mitchell County</b>									
Beloit	07	2358CST			0	0	5	5	Thunderstorm Winds (G52)
2 NW Simpson	08	0005CST			0	0	6	6	Thunderstorm Winds (G70)
<b>Cloud County</b>									
Concordia Airport	08	0019CST			0	6	7	7	Thunderstorm Winds (G90)
<b>Ottawa County</b>									
Delphos	08	0045CST			0	0	5	5	Thunderstorm Winds (G52)
<b>Clay County</b>									
2 S Clifton	08	0050CST			0	0	6	6	Thunderstorm Winds (G70)
<b>Cloud County</b>									
10 E Concordia	08	0050CST			0	0	6	6	Thunderstorm Winds (G70)
Clyde	08	0050CST			0	0	6	6	Thunderstorm Winds (G70)
<b>Geary County</b>									
Ft. Riley	08	0100CST			0	0	3	0	Thunderstorm Winds (G78)
A wind gust to 90 mph was report at the Ft. Riley Military Base.									
<b>Marshall County</b>									
Blue Rapids	08	0100CST			0	0	3	0	Thunderstorm Winds (G61)
Winds gusted to 70 mph and were associated the Downburst that hit Concordia.									
<b>Waterville</b>	08	0100CST			0	0	4	3	Thunderstorm Winds (G65)
High winds from the Concordia downburst knocked over power poles and trees.									
<b>Washington County</b>									
Linn	08	0100CST			0	0	5	5	Thunderstorm Winds (G52)
A severe thunderstorm moved across the area and caused severe downburst winds that caused wind gusts over 100 mph. The wind was 60 mph or stronger for a 20-minute period at the Concordia Airport. The high wind downed power lines, uprooted trees, and destroyed homes and buildings. Damage from the storm was estimated at over \$25 million. The damage path across Cloud County was 12 miles wide and 25 miles long. Six people were injured from the storm. One person sustained broken bones, but the injury was not life threatening.									
<b>Nemaha County</b>	08	0115CST			0	0	3	0	Thunderstorm Winds (G60)
High winds from the Concordia Downburst overspread the county.									
<b>Pottawatomie County</b>									
Blaine	08	0135CST			0	0	3	0	Thunderstorm Winds (G56)
<b>Jackson County</b>									
Circleville	08	0140CST			0	0	3	0	Thunderstorm Winds (G55)
<b>Brown County</b>									
Horton	08	0210CST			0	0	3	0	Thunderstorm Winds (G61)
Hiawatha	08	0215CST			0	0	3	0	Thunderstorm Winds (G66)
Downburst winds from the Concordia area overspread Brown County causing only some tree damage.									
<b>Saline County</b>									
5 NW Gypsum	09	0010CST			0	0	3	3	Hail (0.75)
A severe thunderstorm dropped 0.75-inch hail on part of Saline County.									
<b>Lincoln County</b>									
4 S Barnard	09	1650CST			0	0	3	3	Hail (0.75)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
<b>Atchison County</b> Atchison	09	1700CST			0	0	4	3	Thunderstorm Winds (G52)
	Winds to around 60 mph downed trees, tree limbs and power lines. Cars and homes were damaged by the fallen trees.								
<b>Ottawa County</b> 4 S Minneapolis	09	1720CST			0	0	3	3	Hail (0.75)
Bennington	09	1720CST			0	0	4	4	Hail (1.75)
Bennington	09	1720CST			0	0	4	4	Thunderstorm Winds (G61)
0.5 E Niles	09	1725CST	1.0	75	0	0	4	4	Tornado (F1)
<b>Jefferson County</b> Winchester	09	1735CST			0	0	3	0	Thunderstorm Winds (G60)
<b>Dickinson County</b> 1 N Abilene	09	1745CST			0	0	4	4	Hail (0.75)
7 N Abilene	09	1745CST			0	0	4	4	Thunderstorm Winds (G61)
Abilene	09	1745CST			0	0	5	5	Hail (1.75)
Abilene to near Interstate 70)	09	1745CST			0	0	5	5	Thunderstorm Winds (G61)
<b>Ford County</b> Wright	09	1751CST			0	0	0	0	Hail (1.00)
Wilroads Gardens	09	1753CST			0	0	0	0	Thunderstorm Winds (G55)
	Large tree limbs were knocked down by thunderstorm winds.								
<b>Dickinson County</b> 5 ENE Abilene	09	1755CST			0	0	5	5	Hail (1.75)
5 ENE Abilene	09	1755CST			0	0	5	5	Thunderstorm Winds (G65)
<b>Ford County</b> 5 SE Dodge City	09	1755CST			0	0	0	0	Thunderstorm Winds (G55)
	Large tree limbs knocked down 5 miles southeast of Dodge City.								
Wright	09	1755CST			0	0	0	0	Hail (1.00)
<b>Seward County</b> 6 NE Liberal	09	1755CST			0	0	0	0	Hail (1.75)
<b>Dickinson County</b> 5 NW Abilene	09	1800CST	1.0	75	0	0	5	5	Tornado (F1)
Enterprise	09	1805CST			0	0	5	5	Hail (1.75)
Enterprise	09	1805CST			0	0	5	5	Thunderstorm Winds (G65)
8 E Enterprise	09	1810CST			0	0	4	4	Hail (1.00)
8 E Enterprise	09	1810CST			0	0	4	4	Thunderstorm Winds (G61)
1 W Woodbine	09	1815CST			0	0	5	5	Thunderstorm Winds (G70)
Woodbine	09	1815CST			0	0	5	5	Thunderstorm Winds (G52)
	Severe thunderstorms moved from northeastern Lincoln County east-southeast across southern Ottawa County and the northern half of Dickinson County. The storms produced two tornadoes, one near Niles in Ottawa County, and the second one in northern Dickinson County. The one in Dickinson County turned over four tractor-semitrailers on Interstate 70. It also downed two, 400-foot television towers. The storms uprooted trees, downed power lines, damaged buildings and destroyed crops.								
<b>Ford County</b> 3 SW Dodge City	09	1819CST			0	0	0	0	Hail (1.00)
Dodge City	09	1822CST			0	0	0	0	Hail (0.75)
<b>Seward County</b> 11 N Liberal	09	1822CST			0	0	0	0	Hail (1.00)
<b>Morris County</b> 0.5 N White City	09	1835CST	0.2	30	0	0	4	3	Tornado (F0)
	A weak tornado briefly touched down a little north of White City destroying a shed and took the eaves off some adjacent buildings.								
<b>Leavenworth County</b> Tonganoxie	09	1945CST			0	0	2	2	Hail (1.00)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
Jefferson County Valley Falls	09	2015CST			0	0	5	3	Thunderstorm Winds (G65)
High winds tore the roof from a large building and allowed rain to damage the contents. The wind also damaged the roof and windows of other buildings and tore down tree limbs and power lines.									
Sumner County 2 W Conway Springs	10	1500CST			0	0	3	0	Thunderstorm Winds (G50+)
A thunderstorm wind gust took the roof off an outbuilding at a farm west of Conway Springs.									
Cowley County Winfield	10	1705CST			0	0	3	0	Thunderstorm Winds (G61)
2 E Winfield	10	1715CST			0	0	3	0	Thunderstorm Winds (G50+)
2 W Burden	10	1720CST			0	0	5	0	Thunderstorm Winds (G50+)
New Salem	10	1720CST			0	0	3	0	Thunderstorm Winds (G52)
Elk County Howard	10	1740CST			0	0	3	0	Thunderstorm Winds (G50+)
McPherson County Moundridge	10	1743CST			0	0	4	4	Hail (0.75)
Elk County Moline	10	1800CST			0	0	4	0	Thunderstorm Winds (G50+)
McPherson County Galva	10	1800CST			0	0	4	4	Hail (1.00)
5 N Canton	10	1829CST			0	0	4	4	Hail (0.75)
Wilson County Altoona	10	1830CST			0	0	5	0	Thunderstorm Winds (G50+)
Sedgwick County Clearwater	10	1835CST			0	0	0	2	Hail (0.75)
Chautauqua County Peru	10	1850CST			0	0	4	0	Thunderstorm Winds (G50+)
McPherson County Roxbury	10	1855CST			0	0	4	4	Thunderstorm Winds (G52)
Sedgwick County McConnell Air Force Base	10	1855CST			0	0	0	2	Hail (0.75)
A thunderstorm dropped 0.75-inch hail in a few spots as it moved across the southeastern part of Wichita. Little damage was done.									
Dickinson County 1 N Holland	10	1930CST			0	0	4	4	Hail (0.75)
Labette County 5 NE Altamont	10	1930CST			0	0	4	0	Thunderstorm Winds (G50+)
Dickinson County 7 S Abilene	10	2008CST	0.5	50	0	0	3	3	Tornado (F0)
5 S Abilene	10	2017CST	0.5	50	0	0	3	3	Tornado (F0)
Severe thunderstorm caused high winds and dropped large hail across Mcpherson County and briefly dropped two tornadoes in Dickinson County. One of the tornadoes touched down briefly in open country and did little damage.									
Cherokee County 2 N Columbus	10	2040CST-							
	11	0100CST			0	0	3	3	Flash Flood
Geary County 2 W Junction City	10	2105CST			0	0	0	0	Hail (0.75)
Cherokee County 3 E Columbus	10	2125CST-							
		0100CST			0	0	3	3	Flash Flood
Montgomery County Dearing	10	2130CST			1	0	3	3	Flash Flood
Labette County 3 S Oswego	10	2225CST-							
	11	0100CST			0	0	3	3	Flash Flood

# Storm Data and Unusual Weather Phenomena

July 1992

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

## KANSAS Cont'd

Parsons	11	0000CST- 0600CST			0	0	4	3	Flash Flood
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A cluster of severe thunderstorms produced occasional damaging wind gusts from Winfield east toward Fredonia and Parsons. The first major damage occurred 2 miles west of Burden when a large grain bin valued at \$250 thousand was destroyed.

A mobile home was destroyed and several homes sustained minor damage in Altoona. Minor roof and building damage was done in Peru, and 12 power poles were knocked down east of town. A mobile home was overturned northeast of Altamont. Rainfall amounts along the track of the storms averaged between three and six inches with runoff causing small creeks to overflow in many spots.

Coffeyville measured 7.58 inches and nearly all streams in southern Montgomery County flooded. One man was killed when he tried to drive across the floodwaters of Onion Creek just south of Dearing. Sixty homes in Coffeyville were flooded; Onion Creek flooded the south side of town, while Sycamore Creek went out of its banks in the west central section. Less serious flash flooding also occurred in Labette and Cherokee Counties. Water was over U.S. Highway 59 south of Oswego, a car was swept off the road at a low water crossing near Angola, and Labette Creek left its banks in Parsons.

Highway K96 was flooded east of Columbus and several cars were washed into the ditch; and Highway K7 flooded in 3 places north of Columbus. (M27V)

### Montgomery County Coffeyville

11	0100CST- 0600CST			0	0	5	4	Flash Flood
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### Labette County Angola

11	0130CST			0	0	3	3	Flash Flood
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### Neosho County 1 E Shaw

11	0500CST- 1200CST			0	0	3	3	Flood
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### Altoona

11	0500CST- 1200CST			0	0	3	3	Flood
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Runoff from early morning rains of three to six inches sent several streams out of their banks for a few hours. Puckett's Run went over the road on the east side of the city park in Erie, Canville Creek overflowed and closed the road a mile east of Shaw, and the Verdigris River overflowed slightly at Altoona.

### Neosho County Erie

11	0500CST- 1000CST			0	0	2	2	Flood
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### Thomas County 8 S Colby

11	2004CST			0	0	3	3	Hail (0.75)
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### Logan County 3 W Oakley

11	2035CST			0	0	4	0	Hail (1.00)
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### Oakley

11	2055CST			0	0	4	0	Hail (1.00)
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### Oakley

11	2106CST			0	0	3	0	Hail (0.75)
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### Gove County 8 W Grinnell

11	2115CST			0	0	3	3	Hail (0.75)
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### Decatur County Lyle

11	2340CST			0	0	3	4	Hail (0.75)
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### Osborne County 5 N Natoma

11	2358CST			0	0	3	3	Hail (0.75)
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### Decatur County Norcatur

12	0000CST			0	0	3	4	Hail (0.75)
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### Stanton County 3 S Big Bow

12	1700CST			0	0	0	0	Thunderstorm Winds (G50)
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Large tree limbs were knocked down by thunderstorm winds.

### Edwards County Kinsley

12	1705CST			0	0	0	0	Thunderstorm Winds (G55)
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Two railroad crossing arms were broken off by the winds.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
Kinsley	12	1712CST			0	0	0	0	Thunderstorm Winds (G55)
									Trees were blown down in town.
Kinsley	12	1725CST			0	0	0	0	Thunderstorm Winds (G55)
									Large tree limbs and power lines were blown down.
Cloud County 5 W Clyde	12	1730CST	0.5	25	0	0	3	3	Tornado (F0)
									A tornado touched down briefly in an open field 2 miles north and 5 miles west of Clyde.
Stanton County Big Bow	12	1730CST			0	0	0	0	Hail (0.75)
18 ESE Johnson	12	1735CST			0	0	0	0	Hail (0.75)
Big Bow	12	1740CST			0	0	0	0	Thunderstorm Winds (G50)
									Large tree limbs were blown down.
Edwards County Kinsley	12	1741CST			0	0	0	0	Thunderstorm Winds (G50)
									Thunderstorm winds blew the roof off a small metal building.
Cloud County Clyde	12	1800CST			0	0	4	4	Thunderstorm Winds (G61)
Grant County 14 NW Ulysses	12	1800CST			0	0	0	0	Thunderstorm Winds (G50)
Republic County Agenda	12	1808CST			0	0	4	4	Thunderstorm Winds (G52)
Cloud County 2 N Clyde	12	1810CST			0	0	4	4	Thunderstorm Winds (G61)
Washington County 5 W Linn	12	1820CST			0	0	4	4	Thunderstorm Winds (G52)
Kearny County 5 W Lakin	12	1821CST			0	0	0	0	Hail (0.75)
Lakin	12	1827CST			0	0	0	0	Thunderstorm Winds (G50)
10 NW Lakin	12	1829CST			0	0	0	0	Thunderstorm Winds (G50)
									Large tree limbs were knocked down.
Washington County 1 NW Linn	12	1835CST			0	0	4	4	Thunderstorm Winds (G52)
Ottawa County Minneapolis	12	1842CST			0	0	4	4	Thunderstorm Winds (G52)
Washington County 6 S Greenleaf	12	1845CST			0	0	0	0	Funnel Cloud
Greenleaf	12	1845CST			0	0	0	0	Funnel Cloud
Greenleaf	12	1845CST			0	0	4	4	Thunderstorm Winds (G61)
Wallace County 15 SW Sharon Springs	12	1900CST			0	0	4	0	Thunderstorm Winds (G70)
									The high winds blew a roof off a grainery.
Wallace County 15 SW Sharon Springs	12	1902CST			0	0	4	4	Hail (2.00)
1 S Weskan	12	1902CST			0	0	3	3	Hail (0.75)
Barton County 3 NE Albert	12	1908CST			0	0	4	4	Thunderstorm Winds (G52)
1 NE Albert	12	1910CST			0	0	4	4	Thunderstorm Winds (G52)
Clay County 10 NE Clay Center	12	1922CST			0	0	3	3	Hail (0.75)

# Storm Data and Unusual Weather Phenomena

July 1992

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

## KANSAS Cont'd

Severe thunderstorms dropped large hail and caused high winds that blew down eight power poles near Albert.

Marshall County 4 S Frankfort	12	1929CST			0	0	0	0	Thunderstorm Winds (G52)
Barton County Albert	12	1930CST			0	0	4	4	Thunderstorm Winds (G56)
Nemaha County 15 SW Sabetha to Sabetha	12	2015CST- 2145CST			0	0	0	0	Funnel Cloud

Funnel clouds were spotted along a path from near Centralia to Sabetha although neither touched down or caused any known damage.

Ness County 5 W Ness City	12	2115CST			0	0	5	3	Thunderstorm Winds (G74)
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High winds downed power lines and poles, and a tractor-semitrailer was over.

2 W Beeler	12	2130CST			0	0	4	3	Thunderstorm Winds (G76)
Jefferson County Valley Falls	13	1715CST			0	0	0	3	Hail (0.75)
Smith County Smith Center	13 14	0150CST- 0600CST			0	0	4	4	Flash Flood

Heavy rains of two to five inches caused flash flooding across Smith County.

McPherson County Inman	13	1625CST			0	0	4	4	Hail (0.75)
Groveland	13	1653CST			0	0	4	4	Thunderstorm Winds (G61)
McPherson	13	1710CST			0	0	4	4	Thunderstorm Winds (G52)
Jefferson County Valley Falls	13	1715CST			0	0	0	0	Thunderstorm Winds (G52)
Valley Falls	13	1810CST			0	0	5	3	Thunderstorm Winds (G55)

High winds blew over the scoreboard at the football field, broke windows in several cars, knocked down tree limbs and power lines and tore some parts of roofing off.

Rice County Lyons	13	1845CST- 2020CST			0	0	4	4	Flash Flood
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Rainfalls of two to three inches caused some county roads to be flooded.

Jackson County Mayetta	13	1900CST			0	0	4	0	Lightning
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Lightning struck the television antenna and caused a fire that destroyed a house.

Shawnee County Topeka	13	1900CST			0	0	3	3	Thunderstorm Winds (G52)
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Winds gusted to 60 mph over northern parts of the city.

Brown County	13 14	2200CST- 0600CST			0	0	5	5	Flash Flood
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Heavy rains on already saturated soil caused flash flooding over most of the county from the evening into the early morning hours. Several township roads were covered with water and impassable while U.S. Highway 75 north of Sabetha was covered with up to eight inches of water. Some evacuation were made in the Robinson area near Wolf Creek.

Johnson County Olathe	13	2200CST			0	0	3	0	Thunderstorm Winds (G50)
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An unsecured 5th-wheel trailer blown over and some damage occurred to yard equipment.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
<b>Leavenworth County</b>									
Easton	13	2330CST-							
	14	1300CST			0	0	4	3	Flash Flood
Stranger creek at Easton closed some roads and forced 10 residents to evacuate their homes.									
<b>Wyandotte County</b>									
Kansas City	14	0105CST			0	0	3	0	Urban Flood
Heavy rains in a short time caused street flooding in many areas.									
<b>Rice County</b>									
1 SW Chase	14	1900CST- 1915CST			0	0	5	5	Thunderstorm Winds (G70)
Severe thunderstorm produced downburst winds to 70 knots that caused damage to several farm buildings near the town of Chase.									
<b>Doniphan County</b>									
Wathena	15	0000CST			0	0	4	3	Thunderstorm Winds (G55)
Large trees were uprooted, blocking roads and streets and causing slight damage to a home. A small metal shed was lifted by the high wind and was thrown into a utility pole support cable. Large tree branches fell across power lines disrupting electricity to several homes.									
<b>Rush County</b>									
Nekoma	15	1425CST			0	0	3	3	Hail (1.00)
<b>Finney County</b>									
12 NW Kalvesta	15	1430CST			0	0	0	0	Hail (1.00)
<b>Ness County</b>									
12 S Ness City	15	1435CST			0	0	0	3	Hail (0.75)
<b>Finney County</b>									
10 NE Garden City	15	1440CST			0	0	0	0	Funnel Cloud
20 NE Garden City	15	1454CST			0	0	0	0	Hail (1.00)
14 NW Kalvesta	15	1500CST			0	0	0	0	Hail (1.00)
<b>Pawnee County</b>									
6 NE Rozel	15	1506CST			0	0	0	0	Hail (0.75)
Rozel	15	1515CST			0	0	0	0	Hail (0.75)
Rozel	15	1525CST			0	0	0	0	Hail (1.00)
<b>Washington County</b>									
Kimeo	15	1600CST			0	0	4	4	Hail (0.75)
<b>Cloud County</b>									
Miltonvale	15	1603CST			0	0	4	4	Hail (0.75)
<b>Clay County</b>									
8 W Clay Center	15	1615CST			0	0	4	4	Hail (1.75)
<b>Ford County</b>									
13 NW Dodge City	15	1617CST			0	0	0	0	Hail (1.00)
<b>Finney County</b>									
4 E Garden City	15	1625CST			0	0	0	0	Hail (1.00)
7 N Garden City	15	1625CST			0	0	0	0	Hail (1.75)
<b>Clay County</b>									
Clay Center	15	1630CST			0	0	4	4	Hail (0.75)
Clay Center	15	1630CST			0	0	4	4	Thunderstorm Winds (G56)
<b>Ottawa County</b>									
5 W Oak Hill	15	1640CST			0	0	4	4	Hail (0.75)
<b>Riley County</b>									
Leonardville	15	1644CST			0	0	3	4	Hail (1.75)
<b>Finney County</b>									
10 E Garden City	15	1650CST			0	0	0	0	Hail (1.00)
6 N Garden City	15	1650CST			0	0	0	0	Hail (1.25)
<b>Grant County</b>									
Ulysses	15	1650CST			0	0	0	0	Hail (0.75)
<b>Clay County</b>									
Wakefield	15	1703CST			0	0	4	4	Hail (1.75)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>KANSAS Cont'd</b>									
Wakefield Ford County Dodge City	15	1703CST			0	0	4	4	Thunderstorm Winds (G61)
	15	1705CST			0	0	0	0	Flash Flood
Many streets were flooded on the south side of the city.									
Clay County Industry	15	1727CST			0	0	4	4	Hail (0.75)
Finney County 10 W Garden City	15	1727CST			0	0	0	0	Thunderstorm Winds (G50)
Ford County 9 S Dodge City	15	1728CST			0	0	0	0	Hail (0.75)
Kearny County Deerfield	15	1731CST			0	0	0	0	Hail (1.75)
Deerfield	15	1731CST			0	0	0	0	Thunderstorm Winds (G57)
Dickinson County 3 SE Industry	15	1735CST			0	0	4	4	Hail (0.75)
Finney County 4 N Garden City	15	1735CST			0	0	0	0	Flash Flood
Highway 83 was closed because of flooding.									
Pottawatomie County Manhattan	15	1806CST			0	0	3	3	Hail (1.75)
Ford County Bucklin	15	1810CST			0	0	0	0	Thunderstorm Winds (G68)
Dickinson County Buckeye	15	1814CST			0	0	4	4	Hail (1.00)
Pottawatomie County 6 E Manhattan	15	1819CST			0	0	0	0	Hail (0.75)
Dickinson County Upland	15	1825CST			0	0	4	4	Hail (1.75)
Kiowa County 3 S Mullinville	15	1832CST			0	0	0	0	Hail (1.00)
3 S Mullinville	15	1832CST			0	0	0	0	Thunderstorm Winds (G65)
Winds moved a parked grain truck.									
Saline County 1 E Salina	15	1835CST			0	0	4	4	Hail (0.75)
Wabaunsee County Paxico	15	1840CST			0	0	3	3	Hail (1.75)
Saline County 6 E Salina	15	1845CST			0	0	4	4	Hail (0.75)
Severe thunderstorms dropped large hail and caused high wind gusts across a part of central and north-central Kansas. High winds uprooted trees and downed power lines in Clay Center.									
Seward County 9 N Liberal	15	1855CST			0	0	0	0	Hail (0.75)
Ford County 1 S Bucklin	15	1901CST			0	0	0	0	Flash Flood
In less than 1 hour, 2.25 inches of rain was reported.									
Shawnee County Dover	15	1925CST			0	0	0	0	Hail (0.75)
A wide and ominous thunderstorm moved north to south across Shawnee County during the evening hours. Many reports of small hail and winds to near 50 mph occurred across the city. Outdoor activities including the Fiesta Mexicana were shut down as the dark and turbulent storm approached.									
Morris County Council Grove	15	2025CST			0	0	4	3	Hail (1.75)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
Johnson County Overland Park	15	2031CST			0	0	3	0	Hail (1.75)
Large hail reported at 154th and Metcalf Avenue.									
Marion County 1 S Ramona	15	2040CST			0	0	0	3	Hail (0.75)
A thunderstorm dropped 0.75-inch hail for a short time. Minor damage was done to crops in a few fields.									
Johnson County Spring Hill	15	2044CST			0	0	3	3	Hail (1.75)
Stafford County Stafford	15	2045CST			0	0	0	0	Hail (0.75)
Reno County Langdon	15	2055CST			0	0	0	3	Hail (0.75)
A thunderstorm dropped 0.75-inch hail briefly, but little damage resulted.									
Miami County Paola	15	2100CST			0	0	3	3	Thunderstorm Winds (G50)
High winds knocked large trees down.									
Wallace County 2 N Sharon Springs	15	2105CST	0	0	0	0	0	0	Tornado (F0)
A very small tornado briefly touched down in open country with no reports or evidence of damage.									
4 NE Sharon Springs	15	2112CST	0	0	0	0	0	0	Tornado (F0)
A very small tornado briefly touched down in open country with no reports or evidence of damage.									
Thomas County 15 S Colby	15	2133CST			0	0	3	4	Hail (0.75)
Logan County Page City	15	2138CST			0	0	3	4	Hail (0.75)
Johnson County Overland Park	15	2200CST			0	0	6	0	Lightning
Three house fires were started by lightning strikes.									
Chase County 8 W Elmdale	15	2215CST			0	0	0	3	Hail (0.75)
Hail measuring 0.75 inch in diameter caused minor crop damage.									
Thomas County 4 W Colby	15	2220CST			0	0	4	3	Thunderstorm Winds (G61)
The high winds blew a sheriff's patrol car off the road.									
Osage County 1.5 N Lyndon	15	2230CST			0	0	5	0	Lightning
Lightning hit a road grader parked near a road construction area and caused damaged estimated at \$200,000. The lightning hit blasted a large tire from the machine and tossed it 50 feet. The high voltage also melted wires, hoses and many other parts while shattering windshield glass.									
Sedgwick County Viola	16	0036CST			0	0	0	3	Hail (1.00)
Sumner County Wellington	16	0045CST			0	0	3	0	Thunderstorm Winds (G70)
Harper County 8 E Anthony	16	0047CST			0	0	3	0	Thunderstorm Winds (G65)

# Storm Data and Unusual Weather Phenomena

July 1992

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

## KANSAS Cont'd

Severe thunderstorms dropped hail and produced winds estimated at 60 mph or more from Anthony and Wellington through Wichita. Several trees were uprooted in Wellington, but little other damage resulted.

Sedgwick County Wichita	16	0100CST			0	0	4	0	Hail (1.75)
Central Wichita	16	0100CST			0	0	0	0	Hail (0.75)
Riverside McConnell Air Force Base	16	0115CST			0	0	3	0	Thunderstorm Winds (G52)
Wilson County Fredonia	16	0303CST- 0600CST			0	0	2	0	Flash Flood

A localized downpour flooded and closed 15th street in Fredonia for a short time.

Butler County 2 N Towanda	16	0415CST			0	0	3	0	Flash Flood
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Runoff from a localized downpour flooded Whitewater Road north of U.S. Highway 254.

Ford County Dodge City	17	1253CST			0	0	0	0	Hail (0.75)
Dodge City	17	1258CST			0	0	0	0	Hail (0.75)
Dodge City	17	1258CST			0	0	0	0	Thunderstorm Winds (G50)
Haskell County Satanta	17	1340CST			0	0	0	0	Hail (0.75)
Seward County 15 N Liberal	17	1407CST			0	0	0	0	Hail (1.75)
12 N Liberal	17	1418CST			0	0	0	0	Hail (1.75)
5 NE Liberal	17	1443CST			0	0	0	0	Hail (1.00)
Ford County Dodge City	17	1505CST			0	0	0	0	Flash Flood

Water cover roads up to 300 yards wide on the south side of the city.

Ford County 18 SE Dodge City	17	1506CST			0	0	0	0	Flash Flood
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Six to eight inches of water covered the roads.

Comanche County Wilmore	17	1532CST			0	0	0	0	Hail (1.00)
Ford County 5 W Ford	17	1535CST			0	0	0	0	Flash Flood

Water covered the roads 4 to 6 inches deep.

Comanche County 5 NE Wilmore	17	1545CST			0	0	0	0	Hail (1.75)
Stafford County Stafford	17	1554CST			0	0	0	0	Flash Flood

Old Highway 50 flooded with 6 inches of water over the road.

Jewell County 4 W Mankato	18	2015CST			0	0	4	4	Hail (1.50)
Smith County 6 S Smith Center	18	2030CST	0.5	25	0	0	3	3	Tornado (F0)

A tornado touched down briefly in an open field 6 miles south and 2 miles east of Smith Center.

7 S Smith Center	18	2040CST			0	0	4	4	Thunderstorm Winds (G52)
Phillips County 10 N Phillipsburg	18	2052CST			0	0	4	4	Hail (1.50)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
Republic County Belleville	18	2057CST			0	0	4	4	Thunderstorm Winds (G52)
Jewell County Ionia	18	2100CST			0	0	4	4	Hail (1.50)
Norton County Lenora	18	2115CST			0	0	3	4	Hail (0.75)
Cloud County Clyde	18	2120CST			0	0	4	4	Thunderstorm Winds (G52)
Rooks County 8 NW Stockton	18	2148CST			0	0	3	4	Hail (0.75)
Cloud County Concordia	18	2150CST			0	0	4	4	Thunderstorm Winds (G56)
Graham County 10 N Hill City	18	2200CST			0	0	4	4	Hail (2.00)
Osborne County Alton	18	2200CST			0	0	4	4	Thunderstorm Winds (G52)
Severe thunderstorms caused high winds that downed power poles in the city of Concordia. High winds and large hail also caused tree, crop and building damage across central and north-central Kansas.									
Phillips County Logan	18	2210CST			0	0	4	4	Hail (2.00)
Hodgeman County 4 E Hanston	19	0110CST			0	0	0	0	Hail (0.75)
4 E Hanston	19	0110CST			0	0	0	0	Thunderstorm Winds (G55)
Large tree limbs blown down.									
Osborne County 6 NE Natoma	19	1610CST			0	0	4	4	Hail (0.75)
4 NE Natoma	19	1615CST			0	0	4	4	Hail (0.75)
4 NE Natoma	19	1615CST			0	0	5	5	Thunderstorm Winds (G61)
5 N Natoma	19	1700CST			0	0	4	4	Hail (1.00)
Mitchell County 9 S Beloit	19	1708CST			0	0	4	4	Hail (1.25)
Osborne County 5 W Osborne	19	1720CST			0	0	4	4	Hail (0.75)
5 W Osborne	19	1720CST			0	0	4	4	Thunderstorm Winds (G52)
Rooks County 2 E Codell	19	1724CST			0	0	3	4	Hail (1.00)
16 SE Stockton	19	1734CST			0	0	3	4	Hail (0.75)
Osborne County Natoma	19	1737CST			0	0	4	4	Hail (0.75)
5 NE Osborne	19	1742CST			0	0	4	4	Hail (0.75)
Wichita County Selkirk	19	1756CST			0	0	3	4	Hail (1.00)
Mitchell County 7 E Beloit	19	1805CST			0	0	4	4	Hail (0.75)
Greeley County Tribune	19	1807CST			0	0	3	4	Hail (1.00)
Mitchell County 7 SE Beloit	19	1810CST			0	0	4	4	Hail (0.75)
Greeley County 7 E Tribune	19	1827CST			0	0	3	4	Hail (0.75)
Hailstorm lasted long enough to cover the ground.									
Cloud County Glasco	19	1830CST			0	0	4	4	Hail (0.75)
Riley County Manhattan	19	1915CST			0	0	3	3	Hail (1.75)
Manhattan	19	1945CST			0	0	0	0	Thunderstorm Winds (G52)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
Sherman County 3 W Ruleton	19	1956CST			0	0	5	5	Hail (2.50)
									A sheriff's car was damaged by the large hail.
Ruleton Riley County	19	2023CST			0	0	3	4	Hail (0.75)
Manhattan Riley County	19	2100CST- 0700CST			0	0	5	4	Flash Flood
									Several inches of very heavy rain in about 2 hours caused flash flooding to about 15 homes in a housing subdivision near the airport.
Barton County 10 N Great Bend	19	2345CST			0	0	4	4	Hail (0.75)
									Severe thunderstorms dropped large hail and caused high wind gusts that uprooted trees, downed power lines, and damaged buildings and crops.
Clay County Central Portion	20	0045CST- 0600CST			0	0	4	4	Flash Flood
Washington County	20	0045CST- 0600CST			0	0	4	4	Flash Flood
Barton County North Portion	20	0115CST- 0700CST			0	0	4	4	Flash Flood
Russell County	20	0115CST- 0700CST			0	0	4	4	Flash Flood
									Heavy rains of three to five inches the evening of the 19th caused runoff and flash flooding that covered numerous County roads for several hours.
Riley County Zeandale	22	0330CST			0	0	5	3	Flash Flood
									Several homes along Deep creek were partially submerged due to heavy rains and flooding. Water was up to 6 feet deep over parts of Highway K-18.
Pawnee County 1 W Garfield	22	1813CST			0	0	0	0	Hail (1.75)
Garfield	22	1840CST			0	0	0	0	Hail (1.75)
Saline County Bavaria	22	1856CST			0	0	4	4	Hail (0.75)
2 W Salina	22	1911CST			0	0	4	4	Hail (0.75)
Southern Portion	22	1930CST			0	0	4	4	Flash Flood
Mentor	22	1942CST			0	0	4	4	Hail (1.75)
Russell County 3 W Dorrance	22	1956CST			0	0	4	4	Hail (1.75)
Near Lake Wilson	22	2003CST			0	0	4	4	Hail (1.00)
Edwards County 3 S Fellsburg	22	2005CST			0	0	0	0	Thunderstorm Winds (G50)
3 SW Fellsburg	22	2005CST			0	0	0	0	Hail (1.00)
Kiowa County 2 S Mullinville	22	2023CST			0	0	0	0	Hail (0.75)
Russell County Lake Wilson	22	2027CST			0	0	4	4	Hail (1.50)
Kiowa County 6 NW Haviland	22	2035CST			0	0	0	0	Hail (0.75)
Ottawa County 1 N Tescott	22	2107CST			0	0	4	4	Hail (0.75)
Ellsworth County 10 W Ellsworth	22	2130CST			0	0	4	4	Hail (0.75)
Franklin County Centropolis	23	0030CST			0	0	3	0	Lightning

# Storm Data and Unusual Weather Phenomena

July 1992

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

## KANSAS Cont'd

Lightning hit a barn and set it on fire causing damage to \$4,000.

<b>Rice County</b> 10 NW Lyons	23	0206CST			0	0	4	4	Hail (0.75)
Severe thunderstorms dropped large hail and heavy rains. The rains of two to five inches caused flash flooding across southern Saline County.									

<b>Crawford County</b> 2 S Girard	23	0800CST- 1300CST			0	0	3	0	Flash Flood
3 W Pittsburg	23	0800CST- 1300CST			0	0	3	0	Flash Flood
Beulah	23	0800CST- 1300CST			0	0	3	0	Flash Flood
Radley	23	0800CST- 1300CST			0	0	3	0	Flash Flood
Pittsburg	23	0900CST- 1100CST			0	0	3	0	Flash Flood

Heavy rainfall resulted in relatively minor flooding in several locations around Pittsburg. Streets were flooded in the city; and roads were closed by floodwaters south of Girard, near Beulah and Radley, and west of Pittsburg.

<b>Montgomery County</b> Tyro	23	1500CST			0	1	0	0	Lightning
A man was injured when lightning struck near his home and he was hit indirectly by the charge as he was closing a window. He sought medical treatment, but was not hurt seriously.									

<b>Bourbon County</b> Fort Scott	24	0100CST- 1700CST			0	0	4	4	Flood
Heavy rain that fell on the 23rd resulted in runoff that sent the Marmaton River out of its banks at Fort Scott. The river crested at 46.8 feet, nearly 9 feet above flood stage of 38 feet, about sunrise.									

<b>Sheridan County</b> 11 SE Hoxie	24	1610CST			0	0	3	3	Hail (0.75)
<b>Phillips County</b> 12 N Agra	24	1745CST			0	0	3	4	Hail (0.75)
<b>Smith County</b> 12 NE Kensington	24	1850CST			0	0	4	4	Hail (1.00)
A severe thunderstorm dropped 1.00-inch hail northeast of Kensington.									

<b>Marshall County</b> Marysville	25	0100CST- 1000CST			0	0	6	4	Flood
High waters forced Spring creek and the Big Blue rivers out of their banks causing widespread damage homes and business. Rail traffic was shut down as about 250 feet of track was washed out. U.S. Highway 77 and K-99 were closed due to high water. Many rural roads and bridges were also washed out or damaged from the heavy rain and flooding.									

<b>Lane County</b> 8 E Dighton	25	1550CST			0	0	3	4	Hail (0.75)
Dighton	25	1628CST			0	0	4	3	Hail (0.75)
<b>Washington County</b> 2 S Linn	25	1633CST			0	0	4	4	Hail (0.75)
A severe thunderstorm dropped large hail near Linn.									

<b>Lane County</b> 1 E Dighton	25	1640CST			0	0	3	3	Hail (0.75)
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## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
Logan County 10 SW Russell Springs	25	1642CST			0	0	4	4	Hail (1.75)
Scott County 8 N Scott City	25	1720CST			0	0	5	5	Hail (2.75)
9.5 NE Scott City	25	1737CST			0	0	5	5	Hail (5.00)
The grapefruit-size hail knocked windshields out of several cars.									
Logan County 25 S Oakley	25	1740CST			0	0	5	5	Hail (2.75)
Finney County 6 W Garden City	25	1800CST			0	0	0	0	Hail (1.00)
Lane County 3 W Dighton	25	1800CST			0	0	3	3	Hail (0.75)
Scott County 10 E Shallow Water	25	1820CST			0	0	3	4	Hail (1.00)
Finney County 13 NE Garden City	25	1836CST			0	0	0	0	Thunderstorm Winds (G50)
13 NE Garden City	25	1848CST			0	0	0	0	Hail (0.75)
13 NE Garden City	25	1848CST			0	0	0	0	Thunderstorm Winds (G61)
6 NE Garden City	25	1920CST			0	0	0	0	Hail (0.75)
Hodgeman County 14 SW Jetmore	25	1940CST			0	0	0	0	Hail (1.75)
14 SW Jetmore	25	1940CST			0	0	0	0	Thunderstorm Winds (G50)
Ford County 10 NW Dodge City	25	1945CST			0	0	0	0	Hail (1.75)
10 NW Dodge City	25	1945CST			0	0	0	0	Thunderstorm Winds (G50)
Grant County 10 W Ulysses	25	2035CST			0	0	0	0	Thunderstorm Winds (G50)
10 W Ulysses	25	2114CST			0	0	0	0	Thunderstorm Winds (G57)
12 W Cimarron	25	2145CST			0	0	0	0	Thunderstorm Winds (G65)
Shawnee County Auburn	26	0130CST			0	0	5	0	Lightning
Lightning hit a rural home and it was destroyed by fire.									
Leavenworth County	27	0200CST- 0600CST			0	0	3	3	Flash Flood
Brown County 2 NE Reserve	29	1755CST			0	0	3	3	Hail (1.75)
Near Reserve	29	1815CST			0	0	0	0	Thunderstorm Winds (G52)
Rawlins County Herndon	29	1908CST			0	0	3	3	Hail (0.75)
12 SE Atwood	29	1916CST			0	0	3	4	Hail (1.00)
Edwards County 6 NE Edwards	29	1925CST			0	0	0	0	Hail (1.00)
Decatur County 6 W Oberlin	29	1932CST			0	0	5	3	Thunderstorm Winds (G61)
Strong straight line winds blew down signs, power lines and tree limbs up to 3 inches in diameter.									
6 W Oberlin	29	1932CST			0	0	5	4	Hail (0.75)
Oberlin	29	1940CST			0	0	5	4	Thunderstorm Winds (G61)
Power lines and tree limbs were downed by the high winds.									
Norcatour	29	1950CST			0	0	5	4	Thunderstorm Winds (G61)
Power lines and tree limbs were torn down by winds to 70 mph.									
Atchison County Lancaster	29	2015CST			0	0	0	0	Hail (0.75)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KANSAS Cont'd</b>									
Sheridan County 5 N Hoxie	29	2016CST			0	0	3	3	Hail (0.75)
Ellis County Ellis	29	2045CST			0	0	4	4	Hail (1.75)
Hays	29	2115CST			0	0	5	0	Hail (1.75)
Winds to 65 mph were also reported with the large hail.									
Decatur County 11.2 NE Oberlin	29	2122CST			0	0	3	3	Hail (0.75)
Russell County Milberger	29	2125CST			0	0	4	4	Hail (0.75)
Barton County 1 N Galatia	29	2131CST			0	0	4	4	Hail (1.75)
Saline County Salina	29	2140CST			0	0	4	4	Hail (0.75)
Ellis County Ellis	29	2145CST			0	0	4	4	Hail (1.75)
Osborne County 1 N Natoma	29	2149CST	1.0	75	0	0	4	4	Tornado (F1)
A large tornado touched down in an open field just north of Natoma.									
Brown County Hiawatha	29	2200CST			0	0	4	0	Lightning
Lightning hit the water treatment plant knocking out motors and computers.									
Ellis County Hays	29	2200CST			0	0	5	0	Hail (1.75)
An east-west cold front through northern Kansas set off numerous severe weather events on July 29th in northwest Kansas. Decatur County suffered the most damage with numerous reports of power lines, signs and large tree limbs down. Some areas were flooded from the heavy rainfall with severe crop damage at several locations in the northwest part of the county.									
Brown County Hiawatha	29	2230CST			0	0	4	0	Flood
Heavy rains and subsequent flooding caused damage at the water treatment plant and closed roads in the area.									
Cloud County 8 S Concordia	29	2230CST			0	0	5	5	Thunderstorm Winds (G74)
Jamestown	29	2240CST			0	0	4	4	Thunderstorm Winds (G52)
Clay County Idana	29	2245CST			0	0	4	4	Thunderstorm Winds (G52)
Severe thunderstorms caused very high winds that damaged trees, power lines and buildings. The storms also dropped large hail.									
Cloud County 7 E Concordia	29	2245CST			0	0	4	4	Thunderstorm Winds (G52)
Leavenworth County Leavenworth	29	2250CST- 0030CST			0	0	4	1	Thunderstorm Winds (G55)
Large trees and tree limbs fell on homes and vehicles causing damage to both.									
Riley County Manhattan	29	2315CST			0	0	3	3	Thunderstorm Winds (G55)
Manhattan	29	2320CST			0	0	3	3	Hail (1.75)
Pottawatomie County Westmoreland	29	2325CST			0	0	0	0	Thunderstorm Winds (G52)
Swamp Angel	29	2338CST			0	0	0	0	Thunderstorm Winds (G52)
Wamego	29	2345CST			0	0	0	0	Thunderstorm Winds (G52)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>KANSAS Cont'd</b>									
Riley County Manhattan	30	2320CST			0	0	5	3	Thunderstorm Winds (G52)
	High winds downed several large trees causing damage to homes, cars and a boat.								
<b>KENTUCKY</b>									
Harrison County	02	2100EST			0	0	4	0	Thunderstorm Winds
	Strong winds uprooted trees and downed power lines in Cynthiana. Several homes were damaged by downed trees.								
Gallatin County	02	2210EST			0	0	3	0	Thunderstorm Winds
	Several trees were blown down along Highway 127.								
Jefferson County	02	2212EST			0	0	5	0	Thunderstorm Winds
	A strong thunderstorm ripped through Louisville, downing trees and power lines. Several homes and vehicles were damaged when trees fell on them.								
Grant County	02	2225EST			0	0	5	0	Thunderstorm Winds
	Strong winds tore the roof off the courthouse in Williamstown. Several homes were damaged by falling trees.								
Owen County	02	2228EST			0	0	3	0	Thunderstorm Winds
	Trees and power lines were blown down 2 miles west of Owenton.								
Bullitt County	02	2235EST			0	0	3	0	Thunderstorm Winds
	Trees and power lines were blown down west of the city of Shepherdsville.								
Shelby County	02	2235EST			0	0	4	0	Thunderstorm Winds
	A house was damaged when a tree was blown down near Lebanon Junction. Other trees and power lines were blown down throughout the county.								
Breckinridge County	02	2245EST			0	0	3	0	Thunderstorm Winds
	Numerous trees and power lines were blown down.								
Hardin County	02	2255EST			0	0	3	0	Thunderstorm Winds
	Trees were blown down throughout the county.								
Nelson County	02	2302EST			0	0	3	0	Thunderstorm Winds
	Numerous trees were uprooted over the northern portion of the county.								
Washington County	02	2310EST			0	0	4	0	Thunderstorm Winds
	Trees and power lines were blown down in the city of Springfield.								
Henderson and Union Counties	02	2300CST- 0100CST			0	0	3	0	Flash Flood
	Thunderstorms stalled over the area. Between two and four inches of rain fell within a 1- to 2-hour period, resulting in numerous roads becoming impassable because of high water.								
Wayne County	03	0310EST			0	0	4	0	Thunderstorm Winds
	Hundreds of trees were blown down or uprooted and several buildings were damaged when a strong thunderstorm moved across the county.								
Fulton County	04	1545CST			0	0	4	0	Thunderstorm Winds
	A strong storm which passed through the county, uprooted trees and caused power outages around Brownsville.								
Hickman County	04	1615CST			0	0	4	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
Trees and power lines were blown down in Moscow and Fulgham.									
Ballard County Wickliff	04	1625CST			0	0	0	0	Hail (0.75)
Ballard County	04	1640CST			0	0	3	0	Thunderstorm Winds
Trees and power lines were blown down between La Center and Hinkleville.									
Fulton County Hickman	04	1645CST			0	0	0	0	Hail (1.25)
Fulton County	04	1800CST			0	0	3	0	Thunderstorm Winds
Several large trees were blown down near Cayce.									
Owen County	09	1700EST			0	0	4	0	Thunderstorm Winds
Strong winds damaged several trailers 2 miles west of Owenton. Also several trees were blown down in the area.									
Harrison County	09	1730EST			0	0	3	0	Thunderstorm Winds
Several large trees were blown down around the small community of Connersville.									
Grant County	09	1735EST			0	0	3	0	Thunderstorm Winds
Trees and power lines were blown down 5 miles north of Corinth.									
Henry County	09	1815EST			0	0	4	0	Thunderstorm Winds
Strong winds ripped the roof off a barn and downed trees and power lines in and around Pleasureville.									
Shelby County	09	1845EST			0	0	4	0	Thunderstorm Winds
Trees and power lines were blown down at Elnburg and Cropper.									
Nicholas County	09	1845EST			0	0	3	0	Thunderstorm Winds
numerous trees were blown down southeast of East Union.									
Franklin County	09	1904EST			0	0	4	0	Thunderstorm Winds
A brief but savage storm ripped through the county, downing trees, damaging some property and leaving hundreds of people without electricity. Over 30 trees were blown down just east of Frankfort.									
Scott County	09	1930EST			0	0	3	0	Thunderstorm Winds
Numerous trees were blown down throughout the county.									
Fayette County	09	1935EST			0	0	3	0	Thunderstorm Winds
Trees were blown down over the eastern portion of Lexington.									
Gallatin County	10	1928EST			0	0	3	0	Thunderstorm Winds
Trees and power lines were blown down east of Warsaw.									
Grant County	10	2000EST			0	0	3	0	Thunderstorm Winds
Numerous trees and power lines were blown down west of Dry Ridge.									
Scott County	10	2130EST			0	2	6	0	Thunderstorm Winds
A severe thunderstorm ripped through northeast Georgetown, damaging construction materials at Toyota Motor Manufacturing, destroying a mobile home, and downing trees and power lines. Two people in the mobile home were slightly injured.									

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KENTUCKY Cont'd</b>									
Boone and Campbell Counties Kenton	11	1600EST- 1745EST			0	0	4	0	Flash Flood
									Thunderstorms producing rainfall amounts in excess of two inches in less than 20 minutes, flooded many roads across the area. Several basements were also flooded.
Jefferson County	11	1730EST			0	0	4	0	Thunderstorm Winds
									A fierce thunderstorm ripped through Louisville, knocking down dozens of trees and electrical lines and knocking out power to 12,000 homes.
Greenup County	11	1830EST			0	0	4	0	Thunderstorm Winds
									Strong winds damaged a barn and several outbuildings. Also trees and power lines were blown down in the area.
McCracken County	17	0700CST- 0742CST			0	0	3	0	Flash Flood
									Two inches of rain fell over Paducah in a two hour period. Several streets and roads around the town were flooded.
Scott County	18	1525EST			0	0	3	0	Thunderstorm Winds Hail (0.75)
									Several trees were blown down near Stamping Ground.
Lawrence County	21	1350EST			0	0	4	0	Thunderstorm Winds Hail (1.25)
									Trees and power lines were blown down near Louisa.
Allen County	21	1415CST			0	0	3	1	Thunderstorm Winds
									Trees were blown down around Scottsville.
Lee County	21	1523EST			0	0	3	0	Thunderstorm Winds
									Several trees were blown down near Beattyville.
Owsley County	21	1526EST			0	0	3	3	Thunderstorm Winds
									Trees were blown down near Pebworth and some tobacco crops were destroyed.
Breathitt County	22	1915EST			0	0	4	?	Flash Flood
									Flooding was reported in the Morris Fork Community, 12 miles southwest of Jackson.
Breathitt County	22	1950EST			0	0	5	4	Flash Flood
									Significant flooding was reported around Crocketsville. Water was over many roads and a vehicle was washed away.
Carter County	22	2050EST			0	0	4	3	Flood
									Numerous roads were flooded near Olive Hill. Some crops were also destroyed.
Lewis County	22	2100EST			0	0	3	0	Flood
									Several roads were flooded near the Emerson and Rose Hill areas.
Johnson County	23	1330EST			0	0	3	0	Flood
									Numerous streets were covered with water in the Wells Church and Boone Camp areas.
Clay County	24	2040EST			0	0	4	0	Thunderstorm Winds
									Trees and power lines were blown down in and around the community of Manchester.
Clay County	24	2115EST- 0120EST			4	13	6	4	Flash Flood

# Storm Data and Unusual Weather Phenomena

July 1992

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

## KENTUCKY Cont'd

A strong stationary thunderstorm swelled the waters of Bear Creek in Barcreek, killing four people and sending 13 to the hospital in Manchester. Workers said that 20 to 30 people were left homeless. The storm was so concentrated that the creek crested in 15 minutes. The creek rose more than 20 feet out of its banks. The flood ripped a new home completely off its foundation, drowning 24-year-old Verta Hubbard and her daughters, 6-year-old Angela, 5-year-old Ayla. A 14-year-old cousin, David Hubbard, also drowned. Extensive crop damage resulted from the water, especially to tobacco beds and corn fields.

Carter County	26	1245EST			0	0	3	0	Flood
									Several roads were covered with water near Grayson.
Lincoln County	26	1400EST			2	0	0	0	Lightning
									A 4-year-old girl, Heather Holtzclaw, and her grandmother, 52-year-old, Rosetta Holtzclaw, were struck by lightning at a family picnic. The girl died instantly. The grandmother died two days later at the U.K. Hospital burn unit.
Mason County	26	1845EST			0	0	3	0	Flash Flood
									Heavy rains flooded streets in Maysville.
Fayette County	27	1300EST			0	0	4	0	Flash Flood
									More than 20 roads and intersections were flooded in northern Lexington when two inches of rain fell across the area.
Kenton County	29	2000EST			0	0	4	0	Flood
									Several streets were flooded in northern Covington. Also one abandoned car was completely covered with water.
Daviness County	30	1515CST			0	0	4	1	Thunderstorm Winds
									Trees and power lines were blown down in and around Whitesville.
Ohio County	30	1525CST			0	0	4	0	Thunderstorm Winds
									Numerous trees were blown down around Fordsville. Thunderstorm winds broke trees, overturned a mobile home, and moved another mobile home off its foundation 3 miles north of Hartford.
Breckinridge County	30	1650EST			0	0	3	0	Thunderstorm Winds
									Numerous trees and power lines were blown down in and west of Hardinsburg.
Meade County	30	1715EST			0	0	5	0	Thunderstorm Winds
									A mobile home was destroyed when a tree fell on it. Also several barns and a house were damaged by high winds near Flaherty.
Hardin County	30	1715EST			0	0	5	0	Thunderstorm Winds
									Strong thunderstorm winds damaged several homes in Elizabethtown and downed trees and power lines throughout the county.
Oldham County	30	1720EST			0	0	5	0	Thunderstorm Winds
									Several homes were damaged by strong winds just east of La Grange. Also downed trees destroyed a car.
Jefferson County	30	1740EST			0	2	5	0	Thunderstorm Winds
									A large tent was blown over injuring two people in Louisville. In addition, trees were uprooted and about 15,000 homes lost electrical power.
Bullitt County	30	1745EST			0	0	5	0	Thunderstorm Winds
									One house was damaged in Mt. Washington when a tree fell on it, and numerous trees were blown down near Lebanon Junction.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>KENTUCKY Cont'd</b>									
Nelson County	30	1745EST			0	0	4	0	Thunderstorm Winds
									Numerous trees and power lines were blown down in the vicinity of Bardstown.
Grayson County	30	1645CST			0	0	4	1	Thunderstorm Winds
									Trees and power lines were blown down around Big Clifty and Clarkson.
Taylor County	30	1745EST			0	0	0	0	Hail (1.75)
Larue County	30	1800EST			0	0	0	0	Hail (1.75)
Shelby County	30	1830EST			0	0	3	0	Thunderstorm Winds
									Numerous trees were uprooted around the county.
Boyle County	30	1840EST			0	0	4	0	Thunderstorm Winds
									Strong thunderstorm winds swept across Danville, causing an estimated \$15,000 in damages to the Danville-Boyle County Fairgrounds and damaging other property at in downed trees and power lines.
Anderson County	30	1840EST			0	0	3	0	Thunderstorm Winds
									Several trees were blown down across the county.
Mercer County	30	1844EST			0	0	3	0	Thunderstorm Winds
									Trees and power lines were blown down in Harrodsburg.
Marion County	30	1900EST			0	0	3	0	Thunderstorm Winds
									A few trees were blown down in and around Lebanon.
Pulaski County	30	1945EST			0	0	3	0	Thunderstorm Winds
									Trees and power lines were blown down around Somerset
Casey County	30	1945EST			0	0	3	0	Thunderstorm Winds
									Trees were blown down north of Liberty.
Jackson County	30	2033EST			0	0	3	0	Thunderstorm Winds
									Several large trees were blown down near McKee.
Morgan County	30	2040EST			0	0	3	0	Thunderstorm Winds
									Trees blown down throughout the county.
Knox County	30	2137EST			0	0	3	0	Thunderstorm Winds
									Trees were blown down near the Laurel County line.
Laurel County	30	2145EST			0	0	3	0	Thunderstorm Winds
									Several trees were blown down north of London.
Clay County	30	2212EST			0	0	4	0	Flash Flood
									Several streets and basements were flooded around Manchester.
Leslie County	30	2241EST			0	0	3	0	Thunderstorm Winds
									Trees and power lines were blown down throughout the county.
<b>LOUISIANA</b>									
West Carroll Parish Pioneer	03	1520CST			0	0	?	?	Thunderstorm Winds (G50) Hail (1.75)
East Carroll Parish 6 W Transylvania	03	1535CST			0	0	?	?	Thunderstorm Winds Hail (1.00)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>LOUISIANA Cont'd</b>									
15 W Roosevelt	03	1556CST			0	0	?	?	Thunderstorm Winds Hail (1.50)
Madison Parish 5 NW Mound	03	1620CST			0	0	?	?	Thunderstorm Winds
Scattered thunderstorms moving southeast at 15 mph produced 60 mph (50 knots) winds at Pioneer and downed some trees 5 miles northwest of Mound. Large hail was reported in Pioneer, 6 miles west of Transylvania, and 15 miles west of Roosevelt.									
Lincoln Parish 3 NE Ruston	03	1748CST			0	0	?	?	Thunderstorm Winds Hail (1.00)
Ouachita Parish 3 W Calhoun	03	1754CST			0	0	?	?	Thunderstorm Winds Hail (1.00)
A cluster of thunderstorms produced quarter-size hail 3 miles northeast of Ruston and 3 miles west of Calhoun.									
Caddo Parish 1 N Vivian	03	2220CST			0	0	?	?	Thunderstorm Winds Hail (2.00)
Rodessa	03	2252CST			0	0	5	?	Thunderstorm Winds Lightning
A thunderstorm produced egg-size hail just north of Vivian. Lightning struck a Penzoil Tank Farm near Rodessa setting 10 tanks on fire. It took firemen from several nearby communities about an hour to put out the blaze. Four tanks were totally destroyed.									
Sabine Parish 5 S Negreet	13	1710CST			0	0	?	?	Thunderstorm Winds Hail (1.00)
A thunderstorm blew down numerous trees and produced quarter-size hail 5 miles south of Negreet.									
Natchitoches Parish Natchitoches	13	1815CST			0	0	3	?	Thunderstorm Winds
A thunderstorm blew down several trees. One of these fallen trees damaged an automobile in the town of Natchitoches.									
Ouachita Parish Monroe Airport	14	1502CST			0	0	0	?	Thunderstorm Winds Hail (0.75)
Monroe	14	1502CST			0	0	4	?	Thunderstorm Winds Lightning
3 E Monroe	14	1512CST			0	0	?	?	Thunderstorm Winds
5 NE Monroe	14	1521CST			0	0	?	?	Thunderstorm Winds
A thunderstorm blew down several trees 3 and 5 miles northeast of Monroe. Hail measuring 0.75 inch in diameter fell at the Monroe Airport. Lightning struck a Monroe home and the resulting fire caused \$10,000 damage to the building.									
Calcasieu Parish Lake Charles	15	0925CST			0	0	4	?	Thunderstorm Winds Lightning
Lightning struck a home and the resulting fire caused extensive damage to the structure in Lake Charles.									
St. Tammany Parish Lake Pontchar- train East	15	1715CST			0	0	0	0	Waterspout

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>LOUISIANA Cont'd</b>									
Jefferson Parish Lake Pontchartrain West	15	1725CST			0	0	0	0	Waterspout
Orleans Parish Lake Catherine	15	1808CST			0	0	0	0	Waterspout
Several waterspouts were sighted over Lake Pontchartrain just north of Metairie and New Orleans. A large waterspout was sighted over Lake Catherine.									
Avoyelles Parish Bunkie	16	1300CST			0	0	4	0	Thunderstorm Winds Lightning
Lightning struck a home in Bunkie; the resulting fire was contained to the attic.									
Grant Parish Verda	16	1400CST			0	0	3	?	Thunderstorm Winds
The sheriff's office reports that a thunderstorm blew down several trees and damaged a barn near Verda.									
Caddo Parish Shreveport	16	1629CST			0	0	?	?	Thunderstorm Winds
3 W Dixie	16	1630CST			0	0	?	?	Thunderstorm Winds Hail (1.00)
6 N Shreveport	16	1645CST			0	0	3	?	Thunderstorm Winds
Bossier Parish 3 N Benton	16	1650CST			0	0	?	?	Thunderstorm Winds Hail (0.80)
6 N Benton	16	1650CST			0	0	?	?	Thunderstorm Winds (G51)
Scattered thunderstorms moving east-northeast at 15 mph blew down several trees in Shreveport and 6 miles north of Shreveport where a roof was blown off of a barn. Winds measured at 61 mph (51 knots) were reported 6 miles north of Benton. Large hail fell 3 miles west of Dixie and 3 miles north of Benton.									
St. Tammany Madisonville	16	1700CST			0	0	?	?	Thunderstorm Winds
Scattered thunderstorms moving northeast at 15 mph blew down some large trees in Madisonville.									
Union Parish 2 W Dean	16	1818CST			0	0	?	?	Thunderstorm Winds Hail (1.75)
13 NE Farmer- ville	16	1818CST			0	0	?	?	Thunderstorm Winds Hail (1.75)
3 E Dean	16	1828CST			0	0	?	?	Thunderstorm Winds Hail (1.00)
Morehouse Parish 4 S Collinston	16	1852CST			0	0	?	?	Thunderstorm Winds
Oak Ridge	16	1905CST			0	0	?	?	Thunderstorm Winds (G50)
Richland Parish 6 N Holly Ridge	16	1920CST			0	0	5	?	Thunderstorm Winds
Warden	16	1925CST			0	0	?	?	Thunderstorm Winds (G50)
West Carroll Parish 4 W Epps	16	1930CST			0	0	3	?	Thunderstorm Winds
Epps	16	1935CST			0	0	?	?	Thunderstorm Winds

Numerous thunderstorms moving east-northeast 20 to 30 mph downed numerous trees 4 miles south of Collinston and produced 60 mph (50 knots) winds at Oak Ridge and Warden. The winds damaged several farm sheds, overturned two tractors, and crushed a camper 6 miles north of Holly Ridge. Damage was estimated at \$150,000 in Holly Ridge area. Strong winds damaged some barns and signs 4 miles southwest of Epps. Large hail was reported 2 miles west of Dean, 13 miles northeast of Farmerville, and 3 miles east of Dean.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>LOUISIANA Cont'd</b>									
Sabine Parish 5 E Zwolle	17	1415CST			0	0	?	?	Thunderstorm Winds Hail (1.50)
Natchitoches Parish 1 W Robeline	17	1425CST			0	0	?	?	Thunderstorm Winds
Scattered thunderstorms moving east northeast at 25 mph blew down some trees just west of Robeline and produced 1.50 inch hail 5 miles east of Zwolle.									
Union Parish Litroe	17	1528CST			0	0	?	?	Thunderstorm Winds Hail (1.00)
A thunderstorm moving east at 25 mph produced 1.00 inch hail at Litroe.									
Vermilion Parish Cow Island	20	1430CST			0	0	4	0	Thunderstorm Winds Lightning
Lightning struck a petroleum distillate tank and set it on fire at the Louisiana Resource Pipeline Company in Cow Island. It took 35 firemen an hour to put out the blaze.									
Natchitoches Parish 5 NE Bellwood Natchitoches	22	1620CST			0	0	?	?	Thunderstorm Winds
	22	1640CST			0	0	?	?	Thunderstorm Winds (G54)
A thunderstorm moving northeast at 10 mph blew down numerous trees 5 miles northeast of Bellwood and in Natchitoches.									
Caddo Parish 5 S Dixie	22	1748CST			0	0	?	?	Thunderstorm Winds
Bossier Parish 3 E Elm Grove	22	1810CST			0	0	?	?	Thunderstorm Winds
Scattered thunderstorms blew down several trees 5 miles south of Dixie and 3 miles east of Elm Grove.									
Livingston Parish French Settlement	31	1530CST			0	2	0	0	Thunderstorm Winds Lightning
Lightning struck two women that were outside doing yard work at their French Settlement home. Both were hospitalized with injuries.									
<b>MAINE</b>									
Franklin County Rangley	05	1848EST			0	0	?	0	Thunderstorm Winds
Kingfield	05	1940EST			0	0	?	0	Thunderstorm Winds
Strong	05	2020EST			0	0	?	0	Thunderstorm Winds
Trees and power lines blown down at Columbia Point and Haines Landing, in Rangeley and Strong. An apple orchard was blown down in Kingfield.									
Oxford County Byron	05	2000EST			0	0	?	0	Thunderstorm Winds
Andover	05	2030EST			0	0	?	0	Thunderstorm Winds
High winds associated with thunderstorms brought trees down in Byron and Andover.									
Kennebec County Wayne	05	2220EST			0	0	?	0	Hail (0.75)
Cumberland County Sebago	05	2245EST			0	0	?	0	Thunderstorm Winds

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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### MAINE Cont'd

Large trees blown down in Sebago.

#### Androscoggin County Poland

05 2315EST 0 0 ? 0 Lightning

A lightning strike ignited a barn that resulted in a fire that destroyed a barn in East Poland.

#### Mechanic Falls

05 2350EST 0 0 ? 0 Thunderstorm Winds

Large branches blown down by thunderstorm winds.

#### Turner

06 0030EST 0 0 ? 0 Thunderstorm Winds

Several power lines blown down.

#### Washington County Harrington

06 0230EST 0 0 ? 0 Lightning

Lightning set fire to a house damaging a 11.5-foot section of the chimney as well as the attic and roof.

#### Oxford County Brownfield

09 1415EST 0 0 ? 0 Lightning

Lightning hit a farmhouse burning the house and connected barn on State Routes 5 and 113.

#### Cumberland County Harpwell

09 1510EST 0 0 ? 0 Thunderstorm Winds

Large branches blown in Harpswell by thunderstorm winds.

#### New Gloucester

09 1700EST 0 0 ? 0 Hail (1.00)

#### Androscoggin County Durham

19 1705EST 0 0 ? 0 Hail (1.00)

#### Waldo County Brooks

19 1633EST 0 0 ? 0 Hail (0.75)

#### Oxford County Otisfield

19 1645EST 0 0 ? 0 Thunderstorm Winds

#### Norway

#### York County N Parsonfield

19 1700EST 0 0 ? 0 Thunderstorm Winds

### MARYLAND and DC

#### Baltimore County Woodlawn

01 1345EST 0 0 0 0 Thunderstorm Winds (G51)

A spotter reported winds to 59 mph (51 knots).

#### Anne Arundel County Annapolis

01 1530EST 0 0 4 0 Thunderstorm Winds

Trees and power lines were downed. A car was heavily damaged by trees falling onto it.

#### Prince Georges County Greenbelt

01 1715EST-  
1730EST 0 0 4 0 Thunderstorm Winds (G52)

Spotters reported winds of 60 mph (52 knots) in Greenbelt. Trees were downed in several locations. Several buildings of an apartment complex in Greenbelt suffered minor damage to windows and roofs; the damage was estimated between five and six thousand dollars.

#### Allegany County Westernport

10 1430EST 0 0 3 0 Thunderstorm Winds

Numerous trees and power lines were blown down.

#### Charles County

10 1500EST 0 1 0 0 Lightning

# Storm Data and Unusual Weather Phenomena

July 1992

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

## MARYLAND and DC Cont'd

A 44-year-old woman was injured when the boat she was in was struck by lightning.

### Garrett County McHenry Kent County

10	1615EST				0	0	0	0	Hail (0.75)
10	1830EST				0	0	4	0	Thunderstorm Winds
10	1845EST				0	0	0	0	Hail (1.75)
10	1845EST				0	1	0	0	Lightning
10	1900EST				0	0	2	0	Thunderstorm Winds

Numerous trees were downed at Chestertown and at other places in the county. A few power lines were downed. A large tree fell onto several vehicles, destroying one of them. A 25-foot trees were trees snapped off at Fairlee, also a catamaran was flipped over. One and three quarter sized hail was reported five miles northeast of Rock Hall. One person was reported struck by lightning, the extent of injuries was unknown.

### Queen Annes County Crumpton Sudlersville

10	1938EST				0	0	3	0	Thunderstorm Winds
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Trees and power lines were blown down at both locations. A tree was blown onto a mobile home at Crumpton.

### Charles County

12	1500EST				0	0	0	0	Hail (0.75)
12	1517EST- 1525EST				0	0	3	0	Thunderstorm Winds

Power lines and trees were downed in many parts of the county and some tree trunks were a foot in diameter. Three-quarters inch size hail was reported in Indian Head.

### Montgomery County Clarksburg

15	1520EST				0	0	2	0	Thunderstorm Winds
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Trees were downed; a few windows were broken at an office building.

### Carroll County Woodbine Sykesville

15	1530EST- 1550EST				0	0	5	0	Thunderstorm Winds
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At the Woodbine glider port, two tied-down gliders were destroyed. Neighboring farms had hay wagons blown into trees and farm buildings. A house near the airport was heavily damaged when its roof was lifted off. At Sykesville, numerous power lines, trees, and limbs were blown down.

### Harford County Aberdeen Baltimore County Woodlawn

15	1600EST				0	0	0	0	Thunderstorm Winds (g50)
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A spotter reported winds of 58 mph (50 knots) along with tree damage at Woodlawn. Large trees and power lines were blown down in the Aberdeen area including the Aberdeen Proving Ground.

### Baltimore County City of Baltimore

15	1615EST- 1630EST				0	0	0	0	Thunderstorm Winds
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At Mount Royal, 2 large tents for the city's annual Artscape festival were destroyed. A number of good-sized trees, poles, and power lines were downed. A house was unroofed just north of the Inner Harbor. A Skywarn spotter recorded 50-knot winds (58 mph) at 4:21 PM EST in Brooklyn.

### Prince Georges County

15	1650EST				0	0	0	0	Thunderstorm Winds
15	1700EST				1	0	0	0	Lightning

Thunderstorm wind blew down several large trees in Forestville. A man was killed in Largo when the tree he was standing under was struck by lightning and fell on him. (M490)

### Anne Arundel and Calvert Counties

15	1750EST				0	0	4	0	Thunderstorm Winds
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# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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## MARYLAND and DC Cont'd

Power company officials reported several areas where trees and limbs were blown down across power lines, in Calvert County and the southern part of Anne Arundel County. In Chesapeake Beach, several homes and vehicles were damaged when trees fell onto them.

Dorchester County	15	1815EST			0 0	3 0	Thunderstorm Winds
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Trees and power lines were downed in the northern part of the county by the same storm that caused damage in Anne Arundel County.

Frederick County	16	2200EST			0 0	3 0	Thunderstorm Winds
	16	2315EST			0 0	0 0	Flash Flood

Trees and a few power lines were downed in the NW part of the county. State Police reported several roads covered by flood waters in the west and central parts of the county, including a part of U.S. Highway 40. Two to four inches of rain fell in the west part of the county in two hours.

Allegany County Barton Westernport	17	1430EST			0 0	4 0	Thunderstorm Winds
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The Georges Creek area of Southwest portion of Allegany County, from Barton to Westernport, was hit by thunderstorms whose winds blew down many trees and power lines.

Washington County	17	1500EST- 1515EST			0 0	0 0	Thunderstorm Winds
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Thunderstorm winds knocked down trees in several parts of the county.

Baltimore County	17	1715EST			0 0	0 0	Hail (0.75)
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A spotter reported 0.75 inch hail in the northern part of the county.

Harford County Cardiff	17	1735EST			0 0	3 0	Thunderstorm Winds
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Trees, power poles, and lines were blown down.

Montgomery County District of Columbia	21	1430EST			0 0	3 0	Thunderstorm Winds
	21	1500EST			0 1	0 0	Lightning

Power lines were downed in the district according to District of Columbia Fire Department. Trees were downed in the southern part of Montgomery County, according to County Police. A man was hospitalized with injuries after being struck by lightning at the National Institutes of Health in Bethesda.

Anne Arundel County Churchton	21	1530EST- 1545EST			0 0	3 0	Thunderstorm Winds
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An off-duty National Weather Service employee reported considerable tree damage due to a thunderstorm downburst. Trees with trunks up to 24-inches-diameter were snapped, and 60-foot-tall trees were uprooted. Some damage occurred to houses and outbuildings from trees falling onto them.

Prince Georges County	21	1545EST			0 0	4 0	Thunderstorm Winds
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Numerous trees were downed, according to county police and power company officials. Trees were knocked down onto a house.

Calvert County Huntingtown	21	1553EST			0 0	4 0	Thunderstorm Winds Hail (0.75)
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County EOC officials reported widespread tree and power-line damage as well as dime-size hail.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MARYLAND and DC Cont'd</b>									
Montgomery County	21	1600EST			0	0	5	0	Flood
									A bridge on a major thoroughfare was undermined by flood waters in a flood-prone area. The bridge collapsed.
St. Marys County	21	1605EST- 1625EST			0	0	0	0	Thunderstorm Winds
									Thunderstorm winds knocked down trees in several locations throughout the county.
Howard County	23	1715EST			0	0	3	0	Thunderstorm Winds
									Fire and rescue officials reported several large trees and power lines down.
Montgomery County Silver Spring	23	1730EST			0	0	0	0	Thunderstorm Winds
									Thunderstorm winds knocked down several trees.
Prince Georges County Beltville	23	1742EST- 1759EST			0	0	0	0	Thunderstorm Winds (G52)
									Spotters estimated winds of 60 mph (52 knots) around 6:42 PM and trees were later knocked down by thunderstorm winds.
District of Columbia	23	1800EST			0	0	0	0	Thunderstorm Winds
									Several sailboats were overturned due to thunderstorm wind near Chain Bridge according to the Coast Guard.
Charles County	23	1830EST			0	0	3	0	Thunderstorm Winds
									State Police reported strong winds that destroyed their weather equipment.
Charles County	24	1200EST- 1400EST			0	0	4	0	Flood
									Heavy rain falling on saturated ground caused widespread urban flooding which damaged a toy store.
Montgomery County Potomac Laytonsville Olney	31	1545EST- 1600EST			0	0	3	0	Thunderstorm Winds (G52)
									A 60-mph winds was reported by spotters at Potomac; damaged trees at Olney. Trees blown down at Laytonsville as reported by an off-duty National Weather Service forecaster, as well as several other cyclists in the annual Cycle Across Maryland tour, some of whom barely escaped being hit by falling trees.
Howard County West Friendship Ellicott City	31	1615EST			0	0	3	0	Thunderstorm Winds
									Large trees and power lines downed.
Prince Georges County College Park	31	1624EST			0	0	0	0	Thunderstorm Winds (G52)
									Spotters reported 60-mph (52-knot) wind gusts.
Montgomery County Laytonsville	31	1626EST			0	0	0	0	Flood/Flash Flood
									Numerous bicyclists participating in the annual Cycle Across Maryland tour were stranded by high water on roads in a number of places in and around Laytonsville.
District of Columbia	31	1635EST			0	0	4	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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## MARYLAND and DC Cont'd

Trees and power lines downed in the northeast and northwest parts of the District.

District of Columbia	31	1642EST			0 0	0 0	Flood/Flash Flood
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Several streets were flooded and closed briefly.

Charles County Indian Head	31	1645EST			0 0	0 0	Thunderstorm Winds
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Prince George County Accokeek	31	1645EST			0 0	0 0	Thunderstorm Winds
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Thunderstorm winds knocked down trees, blocking roads in both these locations.

Charles County Waldorf	31	1650EST			0 0	3 0	Flooding
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Widespread street flooding in Waldorf caused power outages.

Anne Arundel County Annapolis	31	1700EST			0 0	4 0	Thunderstorm Winds
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In Annapolis, trees were uprooted. Several sailboats in the Governor's Cup race, originating in Annapolis, were capsized, and two had their sails shredded; but no injuries were reported. In nearby waterways, three people were rescued when their pleasure boats capsized. Power company officials reported numerous trees and limbs falling onto power lines, causing fires and power outages to thousands of customers. Some customers for more than 10 hours.

Calvert County	31	1720EST			0 0	4 0	Thunderstorm Winds
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Tree damage reported in the northwest part of the county. Power company officials reported trees and limbs downed onto power lines; the resultant outages affected many customers for as long as 11 hours.

Talbot County	31	1745EST- 1800EST			0 0	3 0	Thunderstorm Winds
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Caroline County	31	1745EST- 1800EST			0 0	4 0	Thunderstorm Winds
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At Denton, thunderstorm winds uprooted trees, destroyed a porch on a house, and unroofed a shed. Large trees were downed in northeast Talbot County. This thunderstorm spawned a "gustnado", a weak tornado along the thunderstorm gust front. (i.e.)

Caroline County 4 NE Denton	31	1745EST	1.0	18	0 0	4 0	Tornado (F1)
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A tornado touched down briefly, knocking down trees, tearing up a shed, ripping part of a roof off of a barn and damaging other property to several residences.

## MASSACHUSETTS

Berkshire County Lenox	14	1545EST			0 0	? 0	Thunderstorm Winds
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In Lenox, trees were blown down by thunderstorm winds.

Hampden County Springfield W Springfield	14	1625EST- 1630EST			0 0	? 0	Thunderstorm Winds
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Numerous large trees were blown down and uprooted. Several roads were closed because of fallen trees.

Springfield	14	1828EST			0 0	0 0	Hail (0.75)
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# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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## MASSACHUSETTS Cont'd

<b>Berkshire County</b>									
Lanesborough	19	1727EST			0	0	0	0	Hail (0.75)
Pittsfield	19	1734EST			0	0	0	0	Hail (0.75)
Richmond	19	1738EST			0	0	0	0	Hail (0.75)
Lenox	19	1742EST			0	0	0	0	Hail (0.75)
Stockbridge	19	1830EST			0	0	?	0	Thunderstorm Winds
Stockbridge	19	1835EST			0	0	0	0	Hail (0.75)
Great Barrington	19	1835EST			0	0	?	0	Thunderstorm Winds

Thunderstorms produced numerous reports of hail. In Stockbridge and Great Barrington tree limbs were knocked down.

<b>Hampden County</b>									
Westfield	19	1913EST			0	0	0	0	Hail (0.75)
<b>Worcester County</b>									
Royalston	19	1920EST			0	0	0	0	Hail (0.75)
<b>Hampden County</b>									
Blandford	19	2005EST			0	0	0	0	Hail (0.75)

Large hail was reported by several SKYWARN observers.

<b>Berkshire County</b>									
Pittsfield	29	1617EST			0	0	?	0	Thunderstorm Winds
Lanesborough	29	1617EST			0	0	?	0	Thunderstorm Winds

Numerous limbs were downed by thunderstorms.

<b>Berkshire County</b>									
Dalton	29	1625EST			0	0	0	0	Hail (0.75)
Dalton	29	1628EST			0	0	?	0	Thunderstorm Winds
Hinsdale	29	1628EST			0	0	?	0	Thunderstorm Winds
Cheshire	29	1638EST			0	0	?	0	Thunderstorm Winds
New Ashford	29	1650EST			0	0	?	0	Thunderstorm Winds

Thunderstorm winds knocked down trees.

<b>Franklin County</b>									
Turners Falls	29	1650EST			0	0	3	0	Thunderstorm Winds

Numerous trees blown down and one car damaged.

<b>Hampden County</b>									
Springfield	29	1710EST			0	0	0	0	Hail (0.75)
Agawam	29	1710EST			0	0	?	0	Thunderstorm Winds

Trees and large branches were blown down. Dime-size hail was reported.

## MICHIGAN

<b>Gogebic and Ontonagon Counties</b>									
	01	1220EST-							
	02	2026EST			0	0	5	0	Flood

Six to ten inches of rain fell over a 2-day period and rivers rose to their highest levels since 1960. A state of emergency was declared. Ramsey reported 6.33 inches, Ironwood 5.10 of rain. There was an unconfirmed report of 9.00 inches near Little Girls Point.

<b>Berrien County</b>									
Three Oaks	02	1613EST			0	0	?	?	Thunderstorm Winds

Roof blown off pole barn 0.2 mile west of Avery Road on north side of State Road 12. Large trees down and a tree fell on a car at Avery Road.

<b>Van Buren County</b>									
Big Crooked Lake 35 SW Kalamazoo	02	1622EST	?	?	0	0	0	0	Waterspout

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MICHIGAN Cont'd</b>									
Cass County	02	1625EST			0	0	?	?	Thunderstorm Winds
									The sheriff's office reported trees down across the county.
Near Covert	02	1630EST			0	0	0	0	Thunderstorm Winds
									Strong thunderstorm winds blew a tree on a mobile home.
Big Crooked Lake 35 SW Kalamazoo	02	1652EST			0	0	0	0	Thunderstorm Winds (G52)
									Strong thunderstorm winds gusted to 60 mph.
St. Joseph County	02	1700EST			0	0	?	?	Thunderstorm Winds
									Trees were reported downed across the county.
Calhoun County 2 NE Albion	04	1915EST			0	0	0	0	Hail (1.00)
Jackson County 5 N Jackson	04	1930EST			0	0	0	0	Hail (0.75)
									The sheriff's office personnel reported hail.
Washtenaw County Dexter	04	2030EST			0	0	0	0	Thunderstorm Winds (G52)
									Winds gusts to 60 mph were recorded during a thunderstorm in the village of Dexter.
Ingham County Mason	04	2100EST			0	0	0	0	Funnel Cloud
									An ambulance driver sighted funnel cloud on U.S. Highway 127 near Mason.
Stockbridge	04	2120EST			0	0	0	0	Thunderstorm Winds (G50)
									Storm winds downed trees and power lines in Stockbridge.
Hillsdale County Waldron	04	2230EST			0	0	0	0	Thunderstorm Winds (G54)
									The sheriff's office personnel reported storm winds and downed trees.
Keweenaw County	05	2246EST			0	0	?	0	Thunderstorm Winds (G50)
									Strong straight line winds up to 50 knots caused 50-foot trees to fall. Some of the trees were 18 inches in diameter.
St. Joseph County Constantine	13	1915EST			0	0	?	?	Thunderstorm Winds
									Michigan State Police reported trees down across U.S. Highway 131, north of Constantine.
Branch County 2 ESE Coldwater	13	1940EST			0	0	3	0	Thunderstorm Winds (G52)
									Strong thunderstorm winds blew a roof off a building at a lumber company 2 miles east-southeast of Coldwater. Just south of the intersection of U.S. Highway 12 and Lott Road.
Hillsdale County Allen	13	2000EST			0	0	0	0	Thunderstorm Winds (G50)
									Numerous trees uprooted by strong storm winds.
Van Buren County Near Keeler	13	2045EST			0	0	0	0	Thunderstorm Winds
									Strong thunderstorm winds blew a large maple tree across the road.
Berrien County Eau Claire	13	2042EST			0	0	0	0	Funnel Cloud

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<p>The sheriff's office reported a funnel cloud over Eau Claire.</p>									
Van Buren County M-51 and Paw Paw Road	13	2051EST			0	0	0	0	Thunderstorm Winds
<p>Strong thunderstorm winds blew a tree across the road.</p>									
Berrien County Berrien Springs	13	2054EST			0	0	?	?	Thunderstorm Winds
<p>A building and a garage were blown down along with numerous trees at Berrien Springs. Four vehicles, two barns and a silo near Berrien Springs sustained damage.</p>									
Van Buren County Gravel Lake 21 SW Kalamazoo	13	2055EST			0	0	?	0	Thunderstorm Winds
<p>Very strong thunderstorm winds blew down about 100 trees, some 2 to 3 feet in diameter. The back was torn off a home and a tree fell on the roof of another home. This damage was on the end of the path of a tornado reported in Dowagiac in Cass County.</p>									
Cass County Cassopolis	13	2057EST			0	0	0	0	Funnel Cloud
<p>A Cass County disaster team received reports of two unconfirmed funnel clouds west of Cassopolis.</p>									
4 NW to 5 N Dowagiac	13	2114EST	4.0	80	0	25	5	6	Tornado (F2)
<p>The tornado touched down at the southwestern corner of Downey and Townhall Roads, 4 miles northwest of Dowagiac and moved northeast to the southwest corner of Dewey and Rudy Roads, 5 mile north of Dowagiac. A total of 39 buildings were damaged, of which 14 were mobile homes, 22 were standard wood frame homes, 8 business buildings, and the Allen Cemetery sustained minor tree and grave site marker damage. Seventeen of the structures were completely destroyed. One migrant worker camp of 74 workers was destroyed. Several power lines and utility poles were downed. Nearly 500 acres of agriculture farmland was damaged.</p>									
Kalamazoo County Kalamazoo	13	2121EST			0	0	0	0	Thunderstorm Winds (G43)
<p>Channel 3 television in Kalamazoo reported a wind gust to 50 mph as the thunderstorms moved through the area.</p>									
6 S Kalamazoo	13	2140EST			0	0	0	0	Thunderstorm Winds
<p>Strong thunderstorm winds blew down a large tree.</p>									
St. Joseph County 2 N Sturgis	13	2148EST			0	0	0	0	Funnel Cloud
<p>Fire department personnel sighted a funnel cloud.</p>									
Kalamazoo County 14 SSE Kalamazoo	13	2203EST			0	0	0	0	Thunderstorm Winds
<p>Strong thunderstorm winds blew down several large trees and large tree limbs in the yard of 115115 South 27th Street, 14 miles south southeast of Kalamazoo.</p>									
Genesee County Countywide	18	1600EST- 2000EST			0	0	5	?	Flash Flood
<p>A cluster of slow-moving thunderstorms dumped two to three inches of rain in about 2 hours. Widespread flooding of urban streets resulted in hundreds of stranded motorists. Portions of Interstates 75 and 475 were closed in both directions for several hours. Flood waters entered about a dozen homes and a few businesses, primarily in urban and poor-drainage areas.</p>									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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### MICHIGAN Cont'd

**Genesee County  
Flushing**

18	1700EST				0	1	2	0	Lightning
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A man suffered a slight burn on his forearm when lightning struck the garage he was in. The bolt blew a hole in the roof of the garage. Lightning knocked out electrical power to about 1,100 homes and businesses in Genesee County.

**Monroe County  
Dundee**

19	1428EST				0	0	0	0	Hail (0.75)
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**Alger County  
8 E Munising**

19	1625EST	0	0		0	0	0	0	Tornado (F0)
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Cusino prison inmates and staff saw brief touchdown.

**Iron County  
15 NW Iron  
Mountain**

19	1828EST				0	0	0	0	Hail (1.75)
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**Dickinson County  
Granite Bluff**

19	1843EST				0	0	0	0	Thunderstorm Winds (G65)
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Spotter reported 75-mph winds with numerous trees down.

**Alger County  
Ternary**

19	1924EST				0	0	0	0	Hail (0.75)
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**Delta County  
20 S Munising  
Gladstone**

19	1925EST				0	0	0	0	Hail (1.00)
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19	2005EST- 2015EST	0.3	0.5		0	2	6	0	Tornado (F2)
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Tornado touched down in the town of Gladstone, 10 miles north of Escanaba. It uprooted hundreds of trees. Ruptured tank spilled 250,000 gallons of tar and natural gas lines ruptured. Vehicles flipped with many garages and houses damaged. None of the injuries required hospitalization. Damage totaled around \$4 million.

**Delta County  
5 E Gladstone**

19	2015EST				0	0	0	0	Thunderstorm Winds
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Trees were downed 5 miles east of Gladstone with same storm that produced the Gladstone tornado.

**Genesee County  
Countywide**

31	0300EST- 0700EST				0	0	3	?	Flood
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Thunderstorms dropped about two inches of rain in 4 hours. Road flooding made the morning commute difficult for many motorists. The main highway through Grand Blanc, Saginaw Road, was closed because of high water. Swartz Creek flooded several acres of a golf course in Flint. The basements of a few homes were flooded by backed up storm sewers.

### MINNESOTA

**Nobles County  
Worthington**

01	1850CST				0	0	?	0	Thunderstorm Winds
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Strong thunderstorm winds knocked down powerlines.

**Reading to  
2 E Reading**

01	1900CST- 1910CST				0	0	?	?	Thunderstorm Winds Hail (1.75)
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Strong thunderstorm winds destroyed and damaged buildings on three farms in the Reading area. Hail as large as golf balls also pelted the area damaging crops.

**Martin County  
Fairmont**

01	1900CST- 1945CST				0	0	?	0	Flash Flood
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# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MINNESOTA Cont'd</b>									
									Heavy rain caused street flooding. Cars in the Fair Mall parking lot were pushed by knee-high water.
Granada	01	2045CST			0	0	?	0	Lightning
									A lightning strike damaged a house. Smoke was observed but no flames.
Rock County Beaver Creek	01	2116CST			0	0	?	?	Thunderstorm Winds
									Strong thunderstorm winds hit the Beaver Creek Travel Center. Two mobile homes at the site were overturned and split open. Picnic tables, a storage shed and at least a dozen trees were destroyed.
Kenneth	01	2138CST			0	0	5	?	Thunderstorm Winds
									Strong thunderstorm winds caused extensive damage in Kenneth. At the Farmers Elevator, a grain elevator was severely damaged, four bins were destroyed and an elevator was blown off its foundation. A home and two vehicles were damaged by falling trees. The hardware store lost its roof and trees were downed in almost every yard.
Luverne	01	2138CST			0	0	?	?	Thunderstorm Winds
									Strong thunderstorm winds downed trees and powerlines, and damaged the lumber yard. Falling trees and branches caused damage to vehicles. A garage was shifted from its foundation and the roof blown off. A house also lost its roof.
Kanaranzi Magnolia	01	2140CST			0	0	?	?	Hail (0.75)
Nobles County 1 S Lismore	01	2150CST			0	0	?	?	Hail (1.75)
Adrian	01	2150CST			0	0	?	?	Thunderstorm Winds Hail (0.75)
Adrian	01	2225CST			0	0	?	?	Thunderstorm Winds
									Powerful thunderstorms tore through the Lismore area dropping hail as large as golf balls. Many area homes were damaged and crops were reported to be heavily damaged by the large hail. Strong thunderstorm winds downed many trees and damaged several buildings in the Adrian vicinity.
Waseca, Wabasha, and Goodhue Counties	02	0200CST- 0400CST			0	0	?	0	Lightning
									Thunderstorms produced frequent cloud-to-ground lightning which caused fires to several homes in Waseca, Lake City and Zumbrota.
Scott and Hennepin Counties	02	0320CST- 0500CST			0	0	?	?	Flash Flood
									Heavy rainfalls of three to six inches caused a number of creeks and small rivers to overflow their banks in Scott County and mainly southern parts of Hennepin County. Many roadways and basements were flooded in both counties. A campground in Shakopee (Scott County) was flooded and had to be evacuated.
Goodhue County 3 E Kenyon	02	0320CST			0	0	0	?	Thunderstorm Winds
									Thunderstorm winds ripped six trees in half.
3 NE to 4 E Goodhue	02	0345CST			0	0	?	?	Thunderstorm Winds
									Strong thunderstorm winds hit a farm northeast of Goodhue and overturned a pickup truck, cattle trailer and several farm wagons. A number of storage bins were scattered by the wind as well as a pole shed and numerous trees.
Dodge County Hayfield	02	0400CST	Short	Narrow	0	0	?	?	Tornado (F0)
									A tornado touched down briefly and destroyed a three season porch and damaged the local high school. The concrete portion of a scoreboard was pulled from the ground and a flag pole was bent over. Trees were blown down over most of the town.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MINNESOTA Cont'd</b>									
<b>Itasca County</b> Deer River	08	0930CST			0	0	?	?	<b>Thunderstorm Winds</b>
									Strong thunderstorm winds blew down trees and power lines.
<b>St. Louis County</b> Hibbing to 21 ENE Hibbing	08	1050CST- 1100CST			0	0	3	?	<b>Thunderstorm Winds</b>
									Strong thunderstorm winds downed several trees and power lines in the Hibbing and Lakeland areas.
<b>Biwabik</b> Ely	08	1115CST			0	0	2	?	<b>Thunderstorm Winds</b>
	08	1140CST			0	0	2	?	<b>Thunderstorm Winds</b>
									Thunderstorm winds blew down several large trees in the Ely and Biwabik areas.
<b>Clay County</b> Felton 7 NE Moorhead 0.5 W to 2 E Hitterdal	09	1700CST- 1740CST			0	0	?	?	<b>Hail (2.00)</b>
									Thunderstorms produced large hail up to 2.00 inches in diameter across Clay County. The hail severely damaged crops, homes, and cars in the Felton and Moorhead areas. The hail fell for about 20 minutes in a swath 2 to 3 miles wide area near Hitterdal.
<b>Mahnomen County</b> 7 NW to 14 E Waubun	09	1720CST- 1745CST			0	0	?	?	<b>Hail (1.75)</b>
									A thunderstorm produced hail the size of golf balls up to 10 inches deep in the Waubun area. The hail devastated area crops and caused considerable property damage.
<b>Ottertail County</b> 5 E Fergus Falls	09	1945CST			0	0	0	0	<b>Funnel Cloud</b>
									Several funnel clouds were sighted over the Wall Lake area.
<b>Stearns County</b> St. Cloud	10	1530CST- 1615CST			0	0	0	0	<b>Funnel Cloud</b>
									A number of cold air funnel clouds were observed in the St. Cloud vicinity.
<b>Koochiching County</b> 1 E International Falls	15	1334CST- 1340CST			0	0	?	?	<b>Hail (0.75)</b>
<b>Clay County</b> Dilworth	16	1608CST			0	0	0	0	<b>Funnel Cloud</b>
									A cold air funnel was observed for a time near Dilworth.
<b>MISSISSIPPI</b>									
<b>Warren County</b> Eagle Lake	03	1635CST			0	0	2	0	<b>Thunderstorm Winds</b>
									High winds downed several trees and power lines around the lake.
<b>Clarke County</b> 10 NE Quitman	03	1912CST			0	0	3	0	<b>Thunderstorm Winds</b>
									Numerous trees were blown down just north of Highway 18.
<b>Scott County</b> 6 S Burns	03	1920CST			0	0	2	0	<b>Thunderstorm Winds</b>
									Several trees were blown down along Highway 35.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MISSISSIPPI Cont'd</b>									
Smith County 1 N Raleigh	03	1920CST			0	0	2	0	Thunderstorm Winds
	Several trees were blown down along Highway 35, just north of Raleigh.								
Clarke County	03	1935CST			0	0	2	0	Thunderstorm Winds
	Several trees were blown down on to power lines along Highways 450 and 451 in Central Clark County								
Alcorn County	05	2225CST			0	0	2	0	Thunderstorm Winds
	A few large trees were blown down in the extreme east-central portion of the county.								
Forrest County 4 S Hattiesburg	09	2200CST			0	0	4	0	Thunderstorm Winds
	Two barns were damaged; one barn had the roof blown off. Several trees were blown on to power lines.								
Clay County 1 N Pheba	13	1410CST			0	0	2	0	Thunderstorm Winds
	A few large trees were uprooted along Highway 50.								
Lowndes County 6 S Columbus	13	1415CST			0	0	2	0	Thunderstorm Winds
	Several large trees were uprooted. Several power lines were blown down and some roofs were damaged.								
Lowndes County New Hope	13	1430CST			0	0	2	0	Thunderstorm Winds
	A few large trees were uprooted.								
Lee County Tupelo	13	1437CST			0	0	4	0	Thunderstorm Winds
	Strong winds damaged a large portion of roof to a metal building. Several trees and power lines were blown down throughout the city.								
Monroe County Hamilton	13	1510CST			0	0	2	0	Thunderstorm Winds
	Several power lines were blown down.								
Smith County 4 N Taylorsville	14	1330CST			0	0	2	0	Thunderstorm Winds
	Several trees were and one power line were blown down.								
Hinds County 2 NW Brownsville	14	1430CST			0	0	2	0	Thunderstorm Winds
	Several trees, 2 feet in diameter, were blown down and were blocking Johnson Line Road.								
DeSoto County Horn Lake	16	0755CST			0	0	4	0	Flash Flood
	Flooding in Horn lake. Garbage cans were floating in the streets.								
Southaven	16	0800CST			0	0	4	0	Flash Flood
	An insurance company reported water inside their office.								
Forrest County Hattiesburg	16	1605CST			0	0	2	0	Thunderstorm Winds
	Strong winds blew down several trees.								

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MISSISSIPPI Cont'd</b>									
Jasper County 2 E Moss	16	1642CST			0	0	4	0	Thunderstorm Winds
A carport was blown off a house and numerous trees and power lines were blown down.									
Green County 3 S Leakesville	16	1728CST			0	0	2	0	Thunderstorm Winds
A power line was blown down.									
Lauderdale County	16	1755CST			0	0	4	0	Thunderstorm Winds
A tree was blown down on a mobile home and a car in Causeyville, 9 miles southeast of Meridian. Numerous trees were blown down 7 miles southeast of Meridian near the Zero Community.									
Kemper County Preston	16	1806CST			0	0	3	0	Thunderstorm Winds
Numerous trees were blown down.									
Coahoma County Clarksdale	16	1845CST			0	0	2	0	Thunderstorm Winds (G42)
Numerous trees and power lines were blown down.									
Sunflower County Parchman	18	1400CST			0	0	0	0	Hail (1.00)
Itawamba County Fulton	21	1930CST			0	0	2	0	Thunderstorm Winds
A few trees and power lines were blown down.									
Itawamba County Fairview	21	2030CST			0	0	4	0	Thunderstorm Winds
A tree fell on a farm shed and killed two farm animals. Another tree fell on a pickup truck and caused minor damage.									
Coahoma County Clarksdale	30	1610CST			0	0	3	0	Thunderstorm Winds (G37)
Several trees and power lines were blown down.									
<b>MISSOURI</b>									
Macon County Macon	02	1000CST			0	0	0	0	Hail (0.75)
Luray	02	1059CST			0	0	3	0	Thunderstorm Winds
Alexandria	02	1105CST			0	0	2	0	Thunderstorm Winds
Alexandria	02	1115CST			0	0	4	0	Thunderstorm Winds
The Missouri Highway Patrol reported utility poles down at Luray. Many trees were damaged in Alexandria including one building which sustained structural damage at 1115 CST.									
Marion County Palmyra	02	1230CST			0	0	0	0	Thunderstorm Winds (G52)
The public reported a wind gust to 60 mph.									
Howard County Glasgow	02	1400CST			0	0	0	0	Hail (0.75)
Ray County Richmond	02	1415CST			0	0	1	1	Hail (1.00)
Hail occurred on the north side of town.									
Carroll County Norborne	02	1435CST			0	0	1	1	Hail (0.75)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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### MISSOURI Cont'd

#### Boone County

Rocheport	02	1445CST			0 0	3 0	Hail (1.00)
Midway	02	1445CST			0 0	3 0	Hail (1.00)
Columbia	02	1455CST			0 0	4 0	Hail (1.75)
Prathersville	02	1455CST			0 0	4 0	Hail (1.75)

The Boone County Emergency Operations Center reported several occurrences of large hail around the county.

Columbia	02	1515CST			0 0	0 0	Funnel Cloud
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County sheriff deputies watched and followed a funnel cloud on the northeastern edge of the city. Reported through the Boone County Emergency Operations Center.

#### Marion County 2 W Hannibal

02	1520CST			0 0	3 0	Hail (1.75)
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The county sheriff reported golf ball-size hail.

#### Ralls County New London Southern Portion

02	1525CST			0 0	0 0	Hail (1.00)
02	1530CST			0 0	3 0	Thunderstorm Winds

The county sheriff reported golf ball-size hail. The city clerk reported downed power lines and hail over much of southern Ralls County around 1530 CST.

#### Audrain County

Mexico	02	1530CST			0 0	4 0	Hail (1.75)
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#### Bates County

Adrian	02	1535CST			0 0	1 1	Hail (0.75)
Adrian	02	1540CST			0 0	1 1	Hail (1.75)

#### Pettis County

Lamont	02	1655CST			0 0	4 0	Thunderstorm Winds (G52)
Sedalia	02	1700CST			0 0	5 0	Thunderstorm Winds (G71)
Sedalia	02	1705CST			0 0	5 0	Thunderstorm Winds (G74)

The Pettis County Emergency Manager reported numerous power lines down, large trees down, and roofs blown off of buildings. Other damage included store front windows blown in and numerous fires from lightning.

#### Pike County 2 SW Bowling Green

02	1658CST			0 0	0 0	Hail (1.00)
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One-inch hail was reported by the county sheriff.

#### Henry County Clinton Cooper County 4 S Boonville

02	1710CST			0 0	1 1	Hail (0.75)
02	1710CST			0 2	5 0	Thunderstorm Winds (G52)

A mobile home was blown over and destroyed. Two people inside were slightly injured.

#### Pettis County

02	1715CST			0 0	5 0	Thunderstorm Winds (G61)
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The County Emergency Manager reported widespread damage throughout the county. Numerous large trees and power lines were knocked down.

#### Cooper County Boonville Boonville

02	1715CST			0 0	5 0	Thunderstorm Winds (G61)
02	1715CST			0 0	5 0	Hail (1.75)

Large trees and power lines were blown down. One large tree was blown over on a small truck and smashed it. Paint was chipped off of cars by large hail.

#### Boone County Columbia

02	1733CST	0.5	50	0 0	5 0	Tornado (F1)
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# Storm Data and Unusual Weather Phenomena

July 1992

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

## MISSOURI Cont'd

A tornado briefly touched down on the southeast side of the city near Providence and Green Meadows Roads. Witnesses saw a rope-like cloud take part of the roof off of a Wal-Mart store and break tops off of nearby trees.

**Boone County  
Columbia**

02	1735CST				0	10	6	0	Thunderstorm Winds (G70)
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A high wind gust lifted a section of bleachers near home plate at Simmons Field on the University of Missouri campus. The bleachers landed around second base and into center field. The umpires at the game had stopped play and ordered the spectators to shelter only moments before the wind struck. Numerous damage reports were received from around the city with power outages. Large trees were down on top of roofs and cars. Utility poles were knocked down. People were trapped in cars with trees or poles on them.

**Boone County  
Sturgeon**

02	1743CST	0.2	25		0	0	0	0	Tornado (F0)
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The fire department reported sighting a small tornado touch down briefly on the edge of town. There was no damage.

**Callaway County  
1 S Auxvasse**

02	1756CST				0	0	5	0	Thunderstorm Winds
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Sheriff deputies reported many trees down and some homes damaged from strong wind.

**Howard County  
Fayette**

02	1800CST				0	0	3	0	Thunderstorm Winds
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Large trees and power lines were knocked down.

**Boone County  
Columbia**

02	1803CST				0	0	5	0	Thunderstorm Winds
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One mobile home was destroyed and two others damaged at Regency Trailer Park on the southeast side of Columbia.

**Callaway County  
4 W New  
Bloomfield**

02	1810CST	0.1	25		0	0	0	0	Tornado (F0)
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A spotter reported a brief touch down, but there was no damage.

**Audrain County  
Mexico  
Vandalia**

02	1815CST				0	0	5	0	Thunderstorm Winds (G84)
02	1815CST				0	0	5	0	Thunderstorm Winds (G83)

A large grain bin was destroyed in Vandalia. Power lines and large trees were down throughout the county. A Mexico radio station observed a wind speed of 97 mph on their own wind equipment.

**Montgomery County  
Montgomery City  
Wellsville**

02	1815CST				0	0	5	0	Thunderstorm Winds
02	1815CST				0	0	5	0	Thunderstorm Winds

The county sheriff reported numerous large trees and power lines down with some structural damage to homes in Montgomery City. A large barn was destroyed at Wellsville.

**Callaway County  
Fulton**

02	1822CST				0	0	5	0	Thunderstorm Winds
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The police department reported cars overturned by strong wind.

**Osage County  
Frankenstein**

02	1840CST	0.5	50		0	0	5	0	Tornado (F1)
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A tornado touched down briefly and destroyed a tri-level home.

**Lincoln County  
Troy**

02	1840CST				0	0	3	0	Thunderstorm Winds
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## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MISSOURI Cont'd</b>									
			Ham radio operators reported downed trees and limbs.						
Warren County Warrenton	02	1840CST			0	0	0	0	Thunderstorm Winds (G56)
			Ham radio operators reported a wind gust to 65 mph.						
Pike County Louisana	02	1840CST			0	2	5	0	Thunderstorm Winds
			The county Emergency Service and Disaster Agency director reported many trees down, damage to several mobile homes, and damage to two residential homes. Two persons were injured.						
Franklin County New Hampton	02	1842CST			0	0	3	0	Thunderstorm Winds
			The county sheriff reported two large trees blown down.						
Lincoln County Troy	02	1848CST			0	0	3	0	Thunderstorm Winds
			The county sheriff reported two large trees blown down.						
Pike County Bowling Green	02	1850CST			0	0	4	3	Thunderstorm Winds
St. Clement	02	1855CST			0	0	4	3	Thunderstorm Winds
Cyrene	02	1855CST			0	0	5	4	Thunderstorm Winds
			The county sheriff reported widespread damage over parts of Pike County with many trees and power lines down. Buildings and mobile homes were damaged in Bowling Green where 3,000 residents were without power for hours. Windows were shattered near St. Clement while two mobile homes were damaged near Cyrene. Heavy rain also fell with areas near Cyrene reporting over 1.00 inches of rain in a short time period.						
Cole County Jefferson City	02	1855CST			0	0	3	0	Hail (0.75)
Jefferson City	02	1855CST			0	0	3	0	Thunderstorm Winds
			Large trees and power lines were blown down.						
Warren County 1 S Hawk Point	02	1857CST			0	0	3	0	Thunderstorm Winds
			Structural damage was reported to a building on Highway 47 by the county sheriff.						
Lincoln County Troy	02	1900CST			0	0	0	0	Thunderstorm Winds (G52)
			Off-duty National Weather Service personnel reported a wind gust to 60 mph.						
St. Charles County Wentzville	02	1900CST			0	0	4	3	Thunderstorm Winds
			Many medium-sized trees were blown down along with power lines and a few awnings off of buildings. A major power outage was reported at the Heritage Water Supply Plant.						
St. Louis County Florissant	02	1925CST			0	0	4	0	Thunderstorm Winds
			An off-duty National Weather Service forecaster reported wind gusts higher than 58 mph. Union Electric reported down power lines and some roof damage to area buildings around Jamestown.						
Newton County 5 W Neosho	02	1940CST			0	0	3	0	Thunderstorm Winds
			Numerous trees uprooted and power lines down.						
Lewis County Monticello	02	1954CST			0	0	3	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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## MISSOURI Cont'd

Many large tree limbs were broke.

Dallas County 3 SW Buffalo	02	2015CST			0 0	1 0	Thunderstorm Winds
Greene County Springfield	02	2023CST			0 1	5 0	Thunderstorm Winds (G72)

Six aircraft were damaged at the Regional Airport; five sustained minor damage and one sustained major damage. Two tractor-semitrailers were turned over, along with some damage to terminal building and adjacent fire house. One person broke an ankle from the damage. Two homes were also damaged in Meadows Subdivision.

Polk County Pleasant Hope	02	2025CST			0 0	2 0	Hail (0.75)
Webster County 5 S Rogersville	02	2100CST			0 0	2 0	Hail (0.75)
Henry County Clinton	03	1715CST			0 0	0 0	Hail (1.75)

A cooperative observer reported golf ball-size hail.

Barton County Nashville	04	1230CST			0 0	2 0	Hail (1.75)
Greene County Fair Grove	04	1230CST			0 0	1 0	Hail (0.75)
Polk County Slagle	04	1340CST			0 0	1 0	Hail (0.75)
Cedar County Jericho Springs	04	1405CST			0 0	2 0	Hail (0.75)
Eldorado Springs	04	1405CST			0 0	2 0	Hail (0.75)
Caplinger Mills	04	1405CST			0 0	2 0	Hail (0.75)
Dent County Jadwin	04	1430CST			0 0	0 0	Hail (1.75)

A ranger station near Jadwin reported golf ball-size hail.

Hickory County Weaubleau	04	1315CST			0 0	1 0	Hail (0.75)
Hickory County Cross Timbers	04	1501CST			0 0	2 0	Hail (1.00)
Benton County Fristoe	04	1510CST			0 0	1 0	Hail (0.75)
Morgan County Laurie	04	1545CST			0 0	1 0	Hail (0.75)
Benton County Warsaw	04	1600CST			0 0	1 0	Hail (0.75)
Morgan County Gravois Mills	04	1605CST			0 0	1 0	Hail (0.75)
Gravois Mills	04	1605CST			0 0	3 0	Thunderstorm Winds

Tree limbs and power lines were blown down.

Lawrence County 10 NW Mt. Vernon	04	1430CST			0 0	4 0	Hail (2.50)
Howell County 5 N Willow Springs	04	1435CST			0 0	4 0	Hail (2.75)
Greene County Springfield	04	1440CST			0 0	1 0	Hail (0.75)
Shannon County 1 N Eminence	04	1520CST			0 0	4 0	Hail (1.75)
St. Louis County St. Louis	04	1530CST			0 4	0 0	Lightning

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MISSOURI Cont'd</b>									
A lightning strike at the Gateway Arch along the St. Louis riverfront injured 4 people; 3 teenagers and 1 adult. Two of the teens required hospitalization overnight while the other were treated on the scene for minor burns and temporary numbness.									
Bates County Butler	04	1532CST			0	0	1	1	Hail (1.75)
Barton County Lamar	04	1610CST			0	0	2	0	Hail (1.00)
Cedar County Jericho Springs	04	1715CST	1.0	20	0	0	2	0	Tornado (F1)
Vernon County 1 S Sheldon	04	1716CST	1.0	20	0	0	2	0	Tornado (F1)
Vernon County Montevallo	04	1720CST			0	0	2	0	Thunderstorm Winds
Large tree limbs were blown off trees.									
Barton County 2 N Milford	04	1730CST			0	0	2	0	Hail (1.00)
Hail covered the ground 2 miles north of Milford.									
Clay County 10 SE Kansas City Inter- national Airport	04	1730CST			0	0	1	1	Hail (0.75)
Dade County 2 W Everton	04	1735CST			0	0	1	0	Thunderstorm Winds
Large tree limbs down and sign blown over.									
Clay County 5 ESE Kansas City Inter- national Airport	04	1741CST			0	0	1	1	Hail (1.75)
Vernon County Nevada	04	1804CST			0	0	2	0	Hail (0.75)
Bronaugh	04	1804CST			0	0	2	0	Hail (0.75)
Jefferson County Crystal City	04	1805CST			0	0	0	0	Hail (1.50)
A storm spotter reported 1.00-inch hail.									
Jasper County Webb City	04	1855CST			0	0	2	0	Thunderstorm Winds
Ham radio operators reported substantial wind damage.									
Joplin	04	1900CST			0	0	2	0	Thunderstorm Winds
Power lines down and large tree limb damage.									
Lawrence County 1 N Friestatt	04	1910CST			0	0	2	0	Thunderstorm Winds
Power line damage caused widespread power outages.									
Jasper County Carthage	04	1915CST			0	0	2	0	Thunderstorm Winds
Power lines were downed by thunderstorm winds.									
Newton County Diamond	04	1920CST			0	0	1	0	Thunderstorm Winds (G52)
Lawrence County 2 NW McKinley	04	1935CST			0	0	1	0	Hail (0.75)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MISSOURI Cont'd</b>									
Jasper County									
Avilla	04	1951CST			0	0	4	0	Thunderstorm Winds
Avilla	04	1951CST			0	0	1	0	Hail (0.75)
Many trees were uprooted along with a camper and house being destroyed. A tractor-semitrailer was overturned in the area as well.									
Jasper County									
Joplin	05	0027CST			0	0	2	0	Thunderstorm Winds (G52)
Trees were blown over and power lines damaged.									
Newton County									
5 E Neosho	05	0027CST			0	0	2	0	Thunderstorm Winds (G52)
Trees were blown over and with some roof damage.									
Dunklin County									
Arbyrd	05	1835CST			0	0	1	2	Hail (1.75)
Buchanan County									
St. Joseph	07	0415CST			0	0	2	1	Thunderstorm Winds (G52)
Platte County									
5 SE Kansas City Inter- national Airport	07	0530CST			0	0	2	1	Thunderstorm Winds (G52)
Jackson County									
Independence	07	0540CST			0	0	2	1	Thunderstorm Winds
Large tree limbs were blown down.									
Macon County									
10 S Atlanta	08	0730CST			0	0	1	0	Hail (0.75)
St. Louis County	09	Unknown			0	3	0	0	Heat
The county health department reported three heat-related illnesses.									
St. Louis City	09	Unknown			0	2	0	0	Heat
The health department reported two heat-related illnesses.									
Buchanan County									
Agency	09	0445CST			0	0	2	1	Thunderstorm Winds
Several large trees were blown down.									
Platte County									
2 E Weston	09	1610CST			0	0	1	4	Hail (1.75)
Buchanan Agency	09	1645CST			0	0	1	1	Thunderstorm Winds
Several large trees were blown down.									
Linn County									
2 E Marceline	09	1715CST			0	0	2	0	Thunderstorm Winds
Several large trees and limbs were blown down.									
Chariton County									
Westville	09	1715CST			0	0	1	0	Thunderstorm Winds
Large tree limbs were blown down.									
Macon County									
New Cambria	09	1730CST			0	0	4	0	Hail (2.00)
Hail damaged some cars in New Cambria.									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MISSOURI Cont'd</b>									
<b>Buchanan County</b> St. Joseph	09	1800CST			0	0	4	3	<b>Thunderstorm Winds</b>
									Large trees and limbs down; knocked out power. A large part of the roof was removed from the gymnasium at LeBlond High School.
<b>Marion County</b> Hannibal	09	1810CST			0	0	0	0	<b>Thunderstorm Winds (G52)</b>
									A wind recorder at the city power plant measured a peak wind gust of 52 knots (60 mph).
<b>Clay County</b> Gladstone	09	1845CST			0	0	1	1	<b>Hail (2.00)</b>
									Hail at intersection of Interstate 29 and Interstate 35.
<b>2 E Missouri</b> City	09	1845CST			0	0	1	1	<b>Thunderstorm Winds</b>
									Several large trees were blown down.
<b>Gladstone</b>	09	1918CST			0	0	4	1	<b>Thunderstorm Winds</b>
									Power lines were knocked down.
<b>Platte County</b> Weston Tracy	09	1930CST			0	0	4	1	<b>Thunderstorm Winds</b>
									Power lines were knocked down by thunderstorm winds.
<b>Ray County</b> 2 W Missouri City	09	1930CST	0.3	20	0	0	3	3	<b>Tornado (F0)</b>
									The Emergency Operations Coordinator reported a brief tornado touchdown.
<b>Buchanan County</b> St. Joseph	09	2000CST			0	0	4	3	<b>Thunderstorm Winds</b>
									Numerous trees and large limbs knocked out power to about 4,000 customers.
<b>St. Louis County</b>	10				0	4	0	0	<b>Heat</b>
									Four people suffered from a heat-related illness.
<b>St. Louis City</b>	10				0	1	0	0	<b>Heat</b>
									One heat-related illness was reported by the health department.
<b>Vernon County</b> 2 E Nevada	10	1505CST			0	0	2	0	<b>Thunderstorm Winds (G52)</b>
<b>Milo</b>	10	1505CST			0	0	2	0	<b>Thunderstorm Winds (G52)</b>
<b>St. Clair County</b> Appleton City	10	1600CST			0	0	3	0	<b>Thunderstorm Winds</b>
									A cooperative observer reported many telephone and power lines down.
<b>Benton County</b> Warsaw	10	1600CST			0	0	2	0	<b>Thunderstorm Winds (G52)</b>
									The County Emergency Operations Center recorded a wind gust to 60 mph.
<b>Morgan County</b> 1 N Laurie	10	1635CST			0	0	3	0	<b>Hail (1.50)</b>
<b>1 N Laurie</b>	10	1635CST			0	0	3	0	<b>Thunderstorm Winds (G61)</b>
<b>Laurie</b>	10	1700CST			0	0	3	0	<b>Thunderstorm Winds</b>
<b>Gravois Mills</b>	10	1700CST			0	0	3	0	<b>Thunderstorm Winds (G61)</b>
									The county sheriff reported wind gusts to 70 mph and many large trees down.
<b>Lawrence County</b> Mt. Vernon	10	1710CST			0	0	1	0	<b>Hail (0.75)</b>

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MISSOURI Cont'd</b>									
<b>Miller County</b> Tuscumbia	10	1720CST			0	0	3	0	Thunderstorm Winds (G61)
									The county sheriff reported wind gusts to 70 mph with large trees down.
<b>Moniteau County</b> California	10	1725CST			0	0	3	0	Thunderstorm Winds (G52)
									The sheriff reported wind gusts to 60 mph. Large trees and power lines were knocked down.
<b>Cole County</b> Brazito	10	1800CST			0	0	3	0	Thunderstorm Winds (G61)
Centertown	10	1800CST			0	0	3	0	Thunderstorm Winds (G61)
									Spotters reported large trees and power lines down. Winds gusts were estimated as high as 70 mph.
<b>Osage County</b> Linn	10	1825CST			0	0	3	0	Thunderstorm Winds (G61)
									The Linn Fire district reported large trees and power lines down. The wind gusts were estimated as high as 70 mph.
<b>Jefferson County</b> De Soto	10	1915CST			0	0	3	0	Thunderstorm Winds
									Many power lines were knocked down.
<b>St. Louis City</b>	11	Unknown			0	1	0	0	Heat
									One heat-related illness was reported by the health department.
<b>Cooper County</b> 4 SE Boonville	11	1615CST	0.2	30	0	0	0	2	Tornado (F0)
									Spotters reported a funnel cloud along Interstate 70 from Route B to Route 87. It then touched down in a field briefly. The tornado kicked up some debris and then lifted.
<b>Boone County</b> Columbia	11	1640CST- 1705CST			0 1	0 0	3 0	0 0	Thunderstorm Winds Flash Flood
									Columbia Emergency Operations reported numerous large trees down in various parts of the city. Street flooding was also reported from torrential rains in the city. A man drowned while trying to escape a crime scene and hiding in a drainage tunnel. His body was found two days later.
<b>Montgomery County</b> Montgomery City	11	1745CST			0	0	4	0	Thunderstorm Winds
									Large trees were blown over and many large tree limbs broken.
<b>Lincoln County</b> Hawk Point	11	1810CST			0	0	0	0	Thunderstorm Winds (G52)
1 S Old Monroe	11	1830CST			0	0	3	0	Thunderstorm Winds
									Several large trees were blown down. Power lines were also knocked down across southern parts of the county.
<b>Warren County</b> Northern Portion	11	1830CST			0	0	4	0	Thunderstorm Winds
									Power lines were knocked down across northern parts of the county.
<b>St. Louis City</b>	12	Unknown			0	1	0	0	Heat
									One heat-related illness was reported by the health department.
<b>Atchison County</b>	12	1725CST			0	0	1	1	Hail (0.75)
									Numerous reports of large hail over southern part of county.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MISSOURI Cont'd</b>									
Holt County Big Lake State Park	12	1728CST			0	0	1	1	Hail (0.75)
St. Louis City	13	Unknown			1	2	0	0	Heat
					A 65-year-old female died from a heat-related illness and two others were hospitalized. (F65H)				
St. Louis County	13	Unknown			0	1	0	0	Heat
					One heat-related illness was reported by the health department.				
Buchanan County St. Joseph Clay County	13	1714CST			0	0	1	1	Hail (0.75)
	13	2330CST-							
	14	0200CST			0	0	1	1	Flash Flood
					Street flooding in Gladstone and North Kansas City; flooding along Line Creek at Riverside.				
Scott County	14	1705CST			0	0	3	0	Thunderstorm Winds
					A large tree fell damaging four cars nearby.				
Atchison County Watson	15	1640CST			0	0	1	1	Hail (0.75)
Adair County 4 N Kirksville	15	2055CST			0	0	3	0	Thunderstorm Winds
Kirksville	15	2115CST			0	0	4	0	Thunderstorm Winds
					Trees and power lines were knocked down north of Kirksville. The Kirksville Police Department also reported trees and power lines down in the city of Kirksville, which damaged several cars.				
Saline County Slater	15	2105CST			0	0	3	0	Thunderstorm Winds
					Power lines were knocked down from fallen large trees and limbs. A garage door was also blown in.				
Knox County 3 W Edina	15	2130CST			0	0	2	0	Thunderstorm Winds
					The county sheriff reported several large trees down and blocking Highway 6.				
Carroll County Carrollton	15	2145CST- 2215CST			0	0	4	2	Thunderstorm Winds
					Large trees down and some damage to homes.				
Lewis County 2 W Monticello	15	2210CST			0	0	2	0	Thunderstorm Winds
Monticello	15	2215CST			0	0	2	0	Thunderstorm Winds
					The county sheriff reported several large trees down.				
Pemiscot County Braggadocia	16	1725CST			0	0	2	0	Thunderstorm Winds
					A porch roof was blown off and several small boats were blown from a yard.				
Camden County Osage Beach	18	0355CST			0	0	5	0	Thunderstorm Winds
					A large boat dock and boats were overturned at Tan Tara Resort. Large trees were blown over on homes. Power lines were downed.				
Miller County 3 S Brumley	18	0415CST			0	0	4	0	Thunderstorm Winds
3 S Brumley	18	0415CST			0	0	3	0	Hail (0.75)

# Storm Data and Unusual Weather Phenomena

July 1992

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

## MISSOURI Cont'd

Large trees were blown across Route C and blocked cars.

Gentry County 5 W Albany	18	2246CST			0	0	1	1	Hail (1.25)
Buchanan County St. Joseph	19	0016CST			0	0	1	1	Thunderstorm Winds (G59)
Platte County 2 W of Kansas	19	0104CST			0	0	1	1	Hail (1.75)

City Inter-  
national  
Airport  
Buchanan County  
St. Joseph

19	2000CST-				0	0	4	1	Flash Flood
20	0100CST								

Street flooding occurred in St. Joseph.

St. Joseph	19	2010CST			0	0	1	1	Thunderstorm Winds
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Several large trees were blown down.

Franklin County 5 W Union	20	1503CST			0	0	0	0	Hail (0.75)
5 S Washington	20	1512CST			0	0	3	0	Thunderstorm Winds

The county EMS reported hail west of Union. A spotter reported downed power lines near Highway 40 south of Washington.

St. Charles County 1 E New Melle	20	1615CST			0	0	2	2	Hail (1.00)
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A spotter reported quarter-size hail which flattened area gardens.

Cole County Jefferson City	20	1840CST			0	3	6	0	Flash Flood
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Torrential rains flooded parts of downtown Jefferson City. A bridge was washed out and numerous cars were floated away in the outside and basement parking lots of the Capital Plaza Hotel. People were trapped inside the underground lot and numerous cars were destroyed. Some injuries occurred when floating cars bumped into people trying to get out. Streets were flooded and Highway 50 through the downtown area was closed. Jefferson City police reported the worst flooding they had ever seen.

Warren County Warrenton	20	2000CST- 2200CST			0	0	3	0	Flash Flood
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Many streets were flooded in and around Warrenton.

Pulaski County Buckhorn	25	0545CST	1.0	75	0	0	5	0	Tornado (F1)
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A tornado mangled a metal sign, broke off the steeple of a church, took the porch off of a bowling alley and tore a hole in the roof. A mobile home was crumpled. Sixteen cars were damaged and 2- by 4-inch boards were driven through the wall of a restaurant.

Nodaway County Burlington Junction	25	1645CST			0	0	1	1	Thunderstorm Winds
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Several large trees were blown down.

Nodaway County	25	1645CST			0	0	1	1	Flash Flood
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Creeks out of banks and water covering some roadways in Burlington Junction.

Worth County 7 SW Grant City	25	1658CST	1.0	20	0	1	4	3	Tornado (F1)
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# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MISSOURI Cont'd</b>									
A tornado touched down damaging two homes damaged. One minor injury was reported.									
Worth County Denver	25	1730CST	0.3	20	0	2	4	0	Tornado (F0)
A tornado touched down briefly knocking two mobile homes off their foundations. Some out buildings were destroyed with area trees showing a twisting fashion. Two adult men were injured in one of the mobile homes with one man suffering cuts from glass.									
Knox County Knox City	25	1840CST			0	0	3	0	Thunderstorm Winds
Several trees and power lines were blown down.									
Adair County 3 S Kirksville	25	1935CST			0	0	4	0	Hail (1.75)
Golf ball-size hail damaged some cars south of Kirksville.									
Knox and Scotland Counties Greensburg to Memphis	25	2030CST- 2400CST			0	0	0	0	Flash Flood
Several creeks flash flooded over Highway 15.									
Platte County Farley	25 26	2320CST- 0200CST			0	0	3	2	Flash Flood
Water covered the road on Highway 45.									
Platte County Camden Point	26	0050CST- 0200CST			0	0	3	2	Flash Flood
Flooding of Highways E and U occurred in Camden Point.									
Andrew County Savannah	26	1830CST			0	0	4	1	Thunderstorm Winds
Several large trees were knocked down, damaging some buildings.									
Bollinger County 1 S Marble Hill	26	2315CST			1	0	0	0	Flash Flood
A 5-year-old boy was swept away from flash flooding in Crooked Creek. The family was camping next to the creek when over three inches of rain fell in a short period of time. The boy's body was found 2 days later. (M050)									
Platte County Clay County	27	0200CST- 0600CST			0	0	3	2	Flash Flood
Water covered many area roads causing some closures.									
Putnam County Unionville	28	1740CST			0	0	1	1	Hail (1.75)
Clark County Kahoka	29	0540CST			0	0	2	0	Thunderstorm Winds (G52)
A wind gust to 60 mph blew down several trees.									
Holt County Craig	29	1800CST			0	0	1	1	Hail (1.75)
Adair County Kirksville	29	1940CST			0	0	0	0	Hail (0.88)
1 N Kirksville	29	1945CST			0	0	4	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## MISSOURI Cont'd

The sheriff reported nickel-size hail in Kirksville. The Kirksville Police Department reported 4 to 8 inch tree limbs snapped off with some minor damage to area houses just north of Kirksville.

Clay County									
3 SW Smithville	29	2155CST			0	0	1	1	Hail (1.00)
3 SW Smithville	29	2155CST			0	0	1	1	Thunderstorm Winds (G52)
Platte County									
Kansas City International Airport	29	2253CST			0	0	1	1	Thunderstorm Winds (G65)
Northern Portion	30	0000CST-0200CST			0	0	5	7	Thunderstorm Winds

### Buchanan County Southern Portion

A cluster of strong thunderstorms wiped out a large part, up to 80 percent, of the tobacco crop and some of the corn and grain crops. Thunderstorm winds up to 50 mph with copious small hail shredded the leaves of the crops. A mobile home was rolled by the wind near Woodruff.

St. Joseph	30	0045CST-0300CST			0	0	3	1	Flash Flood
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Many streets were flooded in St. Joseph.

### Platte County Platte City Tracy

Platte County	30	0100CST-0300CST			0	0	3	3	Flash Flood
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Flooding occurred at Highways 45 and 92.

### Laclede County Lebanon

Laclede County	30	0530CST			0	0	3	0	Thunderstorm Winds
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A roof was blown off a building and caused a major major road to be closed.

## MONTANA

### Musselshell County 10 S Roundup

Musselshell County	03	1658MST			0	0	0	0	Hail (0.75)
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Hail measuring 0.75 inch in diameter fell at Tumbleweed.

### MTZ005

MTZ005	04	2030MST-2200MST			0	0	4	4	Urban Flood
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Have received 1.41 inches of rain fall in less than 6 hours resulting in high water in the downtown area.

### Hill County Chinook

Hill County	05	1900MST			0	0	3	0	Thunderstorm Winds (G57)
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Minor wind damage occurred to a fireworks stand.

### Wheatland County 18 NW Ryegate

Wheatland County	05	1929MST			0	0	0	0	Hail (0.75)
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### Musselshell County Melstone

Musselshell County	05	2006MST			0	0	0	3	Hail (1.00)
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### Roundup

Roundup	05	2200MST			0	0	0	0	Hail (0.75)
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### Custer County Miles City

Custer County	05	2137MST			0	0	0	0	Hail (1.00)
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### Miles City

Miles City	05	2234MST			0	0	0	0	Hail (1.00)
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### Roosevelt County 3 W Bainsville

Roosevelt County	07	1913MST	?	?	0	0	0	0	Tornado (F0)
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### Stillwater County Near Columbus

Stillwater County	08	1445MST			0	0	3	3	Hail (1.50)
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### Rosebud County Birney

Rosebud County	08	1530MST			0	0	0	0	Hail (0.75)
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# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>MONTANA Cont'd</b>									
<b>Lewis and Clark County</b>									
20 NW Helena	09	1605MST	?	?	0	0	0	0	Tornado (F0)
									A pilot reported a tornado near Marysville.
<b>Yellowstone County</b>									
Billings	10	0636MST			0	0	3	0	Lightning
									Lightning struck a Billings Heights' home.
<b>Musselshell County</b>									
10 SW Roundup MTZ006	10	1325MST	?	?	0	0	0	0	Tornado (F0)
	10	1400MST			0	0	3	0	Urban Flood
									A rain shower produced heavy rainfall in the city of Lewistown and flooded the downtown area.
<b>Gallatin County</b>									
25 SW Bozeman	12	1900MST			0	0	0	0	Lightning
									A boy riding a horse was struck by lightning in the Spanish Peaks area.
<b>Big Horn County</b>									
Near Decker	14	1750MST			0	0	6	0	Thunderstorm Winds (G86)
									The West Decker coal mine was hit by strong downburst winds which destroyed two large conveyor belts, uprooted trees and utility poles, and destroyed several trailers.
<b>Chouteau County</b>									
Northwestern Portion	18	1900MST			0	0	3	5	Hail (1.00)
									Crops were damaged and trees stripped of leaves.
<b>Ravalli County</b>									
Stevensville	22	1700MST			0	0	4	4	Thunderstorm Winds (G52) Hail (1.00)
									Trees, buildings and powerlines were knocked down in and around Stevensville.
<b>Missoula County</b>									
Missoula	22	1945MST			0	0	0	0	Thunderstorm Winds
<b>Teton County</b>									
12 SW Chouteau	23	1300MST			0	0	0	0	Hail (0.75)
									Streets were flooded in Chouteau.
<b>Teton County</b>									
1 S Chouteau	23	1350MST			0	0	3	3	Hail (1.00)
2 W Collins	23	1350MST			0	0	3	5	Hail (1.75)
E Teton County	23	1439MST			0	0	0	3	Hail (1.25)
<b>Pondera County</b>									
Eastern Portion Golden Valley County	23	1400MST			0	0	3	3	Hail (1.00)
<b>Chouteau County</b>									
6 SW Ryegate	23	1425MST			0	0	0	0	Hail (0.75)
35 N Great Falls	23	1430MST			0	0	4	5	Hail (2.75)
									Severe damage occurred to several homes, cars and crops.
<b>Fergus County</b>									
Winifred	23	1430MST			0	0	0	0	Hail (0.75)
Roy	23	1450MST			0	0	4	5	Hail (3.00)
N of Roy									Several animals were killed by the hail. Crops and homes were severely damaged.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## MONTANA Cont'd

Hill County  
10 S Gildford  
Havre

23	1530MST				0	0	5	5	Hail (1.75)
23	1616MST				0	0	5	5	Hail (1.75) Thunderstorm Winds

### Urban Flood

Heavy rainfall flooded downtown Havre.

Petroleum County  
30 N Winnett  
34 N Winnett

23	1600MST	?	?		0	0	0	3	Tornado (F0)
23	1617MST				0	0	4	5	Hail (1.75) Thunderstorm Winds (G67)

The hailstorm that cut through much of central Montana was 150 miles long and 5 miles wide. The storm began around Choteau and ended in Garfield County.

Blaine County  
Chinook  
Cascade County  
Stockett  
Powder River  
County  
SW of Biddle

23	1703MST				0	0	0	0	Thunderstorm Winds (G53)
23	1915MST				0	0	4	4	Hail (1.25)
23	2100MST	?	?		0	0	5	5	Tornado (F0) Hail (1.75)

Treasure County  
3 W Sanders

23	2100MST				0	0	4	5	Hail (1.75)
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Rosebud County  
Forsyth  
Glacier County  
15 N Cut Bank

23	2130MST				0	0	4	4	Hail (1.75)
28	1700MST				0	0	0	5	Hail (1.75)

From half to more than two inches of rain fell in a short time.

Petroleum County  
NE Petroleum

30	1700MST				0	0	4	5	Hail (1.75)
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## NEBRASKA

McPherson County  
8 NW Tryon

01	0030CST				0	0	0	0	Hail (1.50)
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Walnut-size hail fell with in open range with no damage.

Thayer County  
Belvidere

01	2040CST				0	0	?	?	Hail (0.75)
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Jefferson County  
3 NW Gladstone  
Red Willow County  
1 W McCook  
McCook

01	2140CST				0	0	0	0	Funnel Cloud
01	2315CST				0	0	3	?	Hail (0.75)
01	2326CST				0	0	3	?	Hail (0.75) Thunderstorm Winds (52)

Indianola  
4 W Cambridge

01	2335CST				0	0	3	?	Hail (0.75)
01	2347CST				0	0	3	?	Hail (1.75) Thunderstorm Winds (52)

A thunderstorm dropped golf ball-sized hail and wind gusts to 60 mph from McCook to the county line near Cambridge. Numerous trees and limbs were blown down throughout the county, including a 30 foot tree in Indianola. Falling limbs ripped power poles and lines down. The wind lifted a Deputy Sheriff's car a few inches off the ground near Indianola.

Phelps County  
Holdredg  
Kearney County  
Wilcox

02	0035CST				0	0	?	?	Hail (0.75)
02	0100CST				0	0	?	?	Hail (1.75)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEBRASKA Cont'd</b>									
									Golf ball-sized hail destroyed 80 to 90 percent of wheat in the hail area.
Franklin County Hildreth	02	0110CST			0	0	0	0	Funnel Cloud
									A funnel cloud spotted over the town but did not touch down.
Franklin County Hildreth	02	0115CST			0	0	?	?	Hail (2.75)
									Baseball-size hail shredded crops, broke windows, car windshields, and made holes in gutters.
Franklin County Upland	02	0123CST	Short 20		0	0	0	0	Tornado (F0)
									A tornado touchdown in an open field but caused no damage.
Adams County Ayr	02	0130CST			0	0	0	0	Funnel Cloud
Buffalo County Amherst to Elm Creek	02	0335CST			0	0	?	?	Thunderstorm Winds (G61)
									Strong winds up to 70 mph blew a dumpster from a driveway into a convenience store and blew down large tree limbs.
Brown County 25 SSW Ainsworth	03	1645CST			0	0	?	?	Hail (0.75)
Blaine County 3 W Brewster	03	1725CST			0	0	?	?	Hail (0.75)
Clay County Edgar to 5 SE Edgar	04	1655CST			0	0	?	?	Hail (3.00)
									Hail from golf ball-size to 3.00 inches damaged homes and crops around Edgar.
Thayer County Davenport	04	1720CST			0	0	?	?	Hail (1.75)
									Golf ball-size hail broke windows and damaged crops.
Thayer County 10 W Hebron	04	1720CST			0	0	?	?	Hail (1.50)
									Walnut-size hail damaged crops.
Thayer County Deshler	04	1745CST			0	0	?	?	Hail (2.00)
									Two inch hail broke windows, damaged trees and destroyed some crops.
Thayer County Hebron	04	1755CST			0	0	?	?	Hail (2.75)
									Hail to baseball-size fell in town.
Cheyenne County Dalton	04	1720MST			0	0	?	?	Hail (0.75)
Sunol	04	1740MST			0	0	?	?	Hail (1.75)
Nemaha County Peru	04	1830CST			0	0	?	?	Hail (1.75)
									Golf ball-size hail fell.
Otoe County Paul	04	1905CST			0	0	?	?	Hail (1.75)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEBRASKA Cont'd</b>									
Harlan County Harlan County Reservoir	04	2100CST			3	0	0	0	Thunderstorm Winds (G30)
					A thunderstorm with winds to 35 mph caused waves of 3 to 5 feet on the reservoir. Waves capsized a boat containing three people, who were attempting to watch a fireworks display. All three people drowned. (M36O) (F31O) (M09O).				
Adams County Kenesaw	05	0040CST			0	0	?	?	Hail (1.75)
Rock County 1 NW Bassett	05	0055CST			0	0	?	?	Hail (0.75)
Adams County Juniata	05	0055CST			0	0	?	?	Hail (1.75)
Clay County Edgar	05	0100CST			0	0	?	?	Hail (2.75)
					Automobile windshields were broken and several roofs were damaged by hail.				
Keya Paha County 24 NW Springview	05	0120CST			0	0	?	?	Hail (1.75)
Adams County Hastings	05	0128CST			0	0	?	?	Hail (1.75)
					Several automobile windshields were broken.				
Antelope County 2 NW Elgin to 6 SE Elgin	05	0230CST- 0245CST			0	0	?	7	Hail (1.00) Thunderstorm Winds
					Hail and strong thunderstorm winds caused about \$1.4 million in crop damage to a path 12 miles long by 2 miles wide.				
Dodge County 12 SE Dodge	05	0430CST			0	0	?	?	Hail (1.00)
					Quarter-size hail damaged crops in a path 5 miles long and 0.5 mile wide.				
Logan County 5 W Stapleton	05	0648CST			0	0	4	4	Hail (0.75)
10 W Stapleton	05	0645CST			0	0	4	4	Hail (1.75)
					A dropped penny to golf ball-size hail for a 7.5 mile-wide path. The hail destroyed crops and damaged residences in its path. A mobile home was mostly destroyed and roofs, siding, and windows were broken on farm and ranch houses. Twenty-five to 35 percent of the corn crop was damaged and wheat and alfalfa fields were destroyed. Vehicles and farm machinery were severely damaged.				
Dawson County Lexington	05	0810CST			0	0	?	?	Hail (1.75) Thunderstorm Winds (G80)
					Golf ball-size hail and 93 mph winds downed trees and power lines, damaged roofs, and broke windows.				
Kearney County Axtell	05	0905CST			0	0	?	?	Hail (1.75)
Box Butte County Alliance	06	1718MST			0	0	?	?	Hail (1.75)
Grant County Hyannis	06	1739MST			0	0	0	0	Thunderstorm Winds (G52)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## NEBRASKA Cont'd

Wind gusts to 60 mph blew down some tree limbs.

Sheridan County 4 W Bingham	06	1815MST	**200		20	0	0	?	Tornado (F0)
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A tornado briefly touched down.

Morrill County 1 W Bridgeport	06	1824MST			0	0	?	?	Hail (1.75)
3 N Bridgeport	06	1830MST			0	0	?	?	Hail (3.00)
Bridgeport	06	1834MST			0	0	?	?	Hail (1.75)
Broadwater	06	1902MST			0	0	?	?	Hail (1.75)

Lincoln County 2 E North Platte	06	2235CST			0	0	0	0	Hail (0.75)
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A thunderstorm dropped 0.75 inch hail at Lee Bird Field, but no damage was reported.

Buffalo County Amherst	06	2335CST			0	0	?	?	Thunderstorm Winds (G56)
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Winds of 65 mph moved through town.

Dawson County Lexington	06	2342CST			0	0	0	0	Funnel Cloud
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A funnel cloud was spotted over town, but did not touch down.

Buffalo County Gibbon to Kearney	06	2354CST			0	0	?	?	Thunderstorm Winds (G61)
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Winds to 70 mph brought down hundreds of large tree limbs around Gibbon and overturned several fireworks stands and moved a large fuel tank across the road in Kearney.

Hall County Grand Island	07	0025CST			0	0	0	0	Funnel Cloud
	07	0025CST			0	0	?	?	Thunderstorm Winds (G62)

A funnel cloud was reported in north Grand Island. Winds to 71 mph were observed at the airport. Trees, fireworks stands, sheds, and a trailer were blown down around the county.

Hamilton County Aurora	07	0100CST			0	0	?	?	Thunderstorm Winds
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Thunderstorm winds blew down a 100-year-old maple tree and many other smaller trees.

Fillmore County Geneva	07	0130CST			0	0	?	?	Thunderstorm Winds
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Winds uprooted several trees.

Adams County Hastings	07	0135CST			0	0	?	?	Thunderstorm Winds
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Winds blew a mobile home apart and downed power lines and several large tree limbs.

Adams County Pauline	07	0135CST			0	0	0	0	Funnel Cloud
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Clay County Clay Center	07	0145CST			0	0	?	?	Thunderstorm Winds
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Thunderstorm winds blew several trees down in town.

Valley County 8 SW Ord	07	1953CST			0	0	?	?	Hail (2.00)
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Ping-pong ball-size hail fell.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## NEBRASKA Cont'd

### Seward County Seward

07	0155CST				0	0	4	3	Thunderstorm Winds
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Thunderstorm winds blew down trees in Seward and throughout the county. Downed trees knocked out power and damaged a parked car in Seward.

### Saunders County 2 SE Wahoo

07	0345CST				0	0	?	0	Lightning
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Antique threshing and grinding machines, a grain elevator, and corn crib were destroyed in a fire started by lightning.

### Frontier County 7 S to 10 S

07	1800CST- 1900CST				0	0	?	?	Hail (1.74)
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Curtis

6 S to 7

Farnam

6 S to 7

S Farnam

07	1830CST- 1900CST				0	0	3	?	Hail (2.50)
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Golf ball to tennis ball-sized hail fell, breaking windows and damaging roofs on some farm houses and outbuildings. The hail also damaged crops.

### Red Willow County Danbury and Marion Indianola Bartley

07	1900CST- 1930CST				0	0	5	?	Hail (4.00)
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The eastern half of Red Willow County received periods of golf ball, tennis ball, and grapefruit-sized hail. The hail dented cars, broke windshields and house windows, and damaged roofs and siding on numerous houses throughout the area.

### Garfield County 5 NE to 11 NE Burwell 9 E Burwell

07	2015CST- 2030CST				0	0	3	7	Hail (1.75)
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Large hail stripped corn in a 3 to 4 miles wide swath and broke windows in a farm house 11 Northeast of Burwell.

### Cedar County 3 NE Wynot 3 NE Wynot

07	2020CST				0	0	?	?	Hail (1.75)
07	2310CST				0	0	4	?	Thunderstorm Winds

A small trailer on a riverbank at Brooky Bottom was destroyed and a center pivot irrigation system was overturned.

### Dawes County 20 W Chadron 4 W Chadron 7 S Whitney

09	1213MST				0	0	0	0	Funnel Cloud
09	1225MST				0	0	0	0	Funnel Cloud
09	1230MST				0	0	?	?	Hail (1.50)

### Hooker County 2 S Mullen Mullen

09	1530CST				0	0	3	0	Thunderstorm Winds (G50)
09	1549CST				0	0	?	0	Hail (1.00)

A thunderstorm dropped up to 1.00 inch hail with wind gusts to 58 mph. A metal roof on a meat packing plant 2 miles south of Mullen was ripped away. In Mullen, hail damaged a few cars while winds blew tree limbs down.

### Thomas County 14 S Thedford

09	1610CST				0	0	4	0	Thunderstorm Winds (G52)
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Thunderstorm winds estimated at 60 mph blew over a van that was pulling a camper on Highway 83 at mile marker 134. The passengers received no injuries.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of		Estimated		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEBRASKA Cont'd</b>									
Custer County Anselmo	09	1630CST- 1800CST			0	0	0	0	Thunderstorm Winds (G52)
Thunderstorm winds estimated at 60 mph blew down tree limbs up to four inches in diameter.									
Antelope County 5 S Orchard	09	1643CST	Short	30	0	0	?	?	Tornado (F0)
A tornado made brief touched down in open field south of Orchard.									
Valley County Ord	09	1805CST			0	0	?	?	Thunderstorm Winds (G58)
Thunderstorm winds gusted to 67 mph at Ord.									
Sherman County Howard County	09	1826CST			0	0	0	0	Funnel Cloud
Several funnel clouds were observed along the Sherman-Howard County line west of St. Paul.									
Greeley County Spalding	09	1830CST			0	0	?	?	Thunderstorm Winds
Sixty-mph winds were observed in town.									
Scotts Bluff County 10 S Scottsbluff	10	1738MST			0	0	?	?	Hail (1.50)
Mitchell	10	1759MST			0	0	?	?	Hail (0.75)
Gering	10	1824MST			0	0	?	?	Hail (0.75)
One and a half inch hail was measured at Wildcat Hills and 0.75 was reported south of Gering.									
Cheyenne County Gurley	10	2014MST			0	0	?	?	Hail (0.75)
Webster County Red Cloud	11	1045CST			0	0	?	?	Lightning
Four cows were struck by lightning and killed.									
Kimball County 5 N Kimball	11	1359MST			0	0	?	?	Hail (1.50)
Kimball	11	1429MST			0	0	?	?	Hail (1.50)
Dawes County 13 S Chadron	11	1518MST			0	0	?	?	Hail (1.50)
Box Butte County 14 N Bayard	11	1538MST	**200	30	0	0	?	?	Tornado (F0)
A tornado briefly touched down just north of the Morrill-Box Butte County line.									
Cheyenne County 14 SW Sidney	11	1644MST	**200	20	0	0	?	?	Tornado (F0)
A tornado briefly touched down 8 miles southwest of the village of Lorenzo.									
Thurston County Thurston	11	1745CST			0	0	?	?	Hail (?)
Pender	11	1750CST			0	0	?	?	Thunderstorm Winds
5 NW Pender to 4 E Pender	11	1750CST			0	0	?	?	Hail (0.75)

Strong winds blew a porch off a house and downed a tree, which damaged a house and knocked down power lines. Hail caused extensive crop damage two to four miles north through east of Pender in an area 5 miles in diameter and damaged a barn. 15,000 acres of crops were damaged.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEBRASKA Cont'd</b>									
<b>Thurston County</b> 6 E Rosalie	11	1840CST			0	0	?	?	<b>Thunderstorm Winds</b>
									Thunderstorm winds broke windows.
<b>Burt County</b> Decatur	11	1930CST			0	0	?	?	<b>Hail (1.75)</b> <b>Thunderstorm Winds</b>
									Thunderstorm winds overturned an auger and feeder on a farm and damaged trees. Golf ball-size hail damaged cars and houses and destroyed crops.
<b>Boyd County</b> Butte and Lynch	12	Afternoon			0	0	2	?	<b>Flash Flood</b>
									Ponca Creek flooded west of Butte, taking out a bridge and overflowing into the community park and swimming pool at Lynch.
<b>Richardson County</b> <b>Nemaha County</b>	12	1900CST			0	2	5	?	<b>Flash Flood</b>
									Three to nine inches of rain caused flooding along the Big Nemaha River. A Pawnee County sheriff's deputy and his wife were injured when they drove into a washout on a county road and fell ten feet four miles northwest of Verdon. Twelve bridges were damaged or destroyed in Richardson County and damage to roads, culverts, and bridges was estimated at \$150,000.
<b>Richardson County</b> 1 S Humbolt	15	1615CST			0	0	?	?	<b>Hail (0.75)</b>
									Hail was reported by fire department spotters.
<b>Dundy County</b> Parks	17	1915MST			0	0	?	?	<b>Hail (1.75)</b>
									Golf ball-size hail fell with no reports of damage or injuries.
<b>Lincoln County</b> Hershey	18	0510CST- 0520CST			0	0	3	?	<b>Hail (1.00)</b>
									A thunderstorm dropped 1.00 inch hail in and around Hershey, which broke windows and damaged roofs and siding of houses. Some corn and alfalfa crops around Hershey were also damaged.
<b>Frontier County</b> Moorefield	18	0719CST			0	0	?	?	<b>Hail (1.75)</b>
									A thunderstorm dumped marble to golf ball-size hail, but no damage was reported.
<b>Fillmore County</b> 3 E Sutton	18	1010CST			0	0	?	?	<b>Hail (1.00)</b>
									One inch hail fell in western Fillmore County.
<b>Thomas County</b> 7 SE Thedford	18	1615CST			0	0	0	0	<b>Hail (0.75)</b>
									Penny-size hail fell in open country with no damage.
<b>Custer County</b> Sargent	18	1629CST			0	0	0	0	<b>Hail (0.75)</b>
									Marble to penny-size hail fell in with no damage.
<b>Custer County</b> 4 W Callaway	18	1637CST	Short	25	0	0	0	0	<b>Tornado (F0)</b>
									A tornado made a brief touched down with no damage.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEBRASKA Cont'd</b>									
<b>Rock County</b>									
Bassett	18	1625CST			0	0	?	?	Hail (0.75)
1.5 W Bassett	18	1725CST			0	0	?	?	Hail (1.75)
3 S to 5 S Bassett	18	1750CST			0	0	2	6	Hail (1.75)
Two storm systems damaged crops and broke windows in a 4 mile wide swath.									
<b>Holt County</b>									
30 SW O'Neill at Swan Lake	18	1700CST			0	0	?	?	Hail (1.75)
<b>Hitchcock County</b>									
4 E Trenton	18	1711CST			0	0	0	0	Hail (1.00)
A thunderstorm dropped up to 1.00 inch hail with no damage.									
<b>Phelps County</b>									
Bertrand	18	1720CST			0	0	?	?	Hail (1.75)
<b>Custer County</b>									
Callaway	18	1730CST- 1740CST			0	0	1	1	Hail (0.75)
Marble to penny-size hail stripped leaves off trees and damaged flowers and gardens.									
<b>Gosper County</b>									
Johnson Lake	18	1739CST			0	0	?	?	Hail (1.75)
Hail to golf ball-size fell around the lake.									
<b>Garfield County</b>									
6 NW Ericson	18	1740CST			0	0	?	?	Hail (0.75)
<b>Custer County</b>									
3 E Oconto	18	1741CST			0	0	0	0	Funnel Cloud
Spotters reported a funnel cloud moving southeast at 15 mph.									
<b>Dawson County</b>									
7 NE Lexington	18	1810CST			0	0	0	0	Funnel Cloud
<b>Frontier County</b>									
9 WNW Eustis	18	1815CST			0	0	0	0	Hail (1.00)
Hail to 1.00 inch fell briefly with no damage reported.									
<b>Buffalo County</b>									
Kearney	18	1820CST			0	0	0	0	Funnel Clouds
Funnel clouds were observed over Kearney.									
<b>Phelps County</b>									
Atlanta	18	1830CST			0	0	?	?	Hail (0.75)
<b>Garfield County</b>									
Burwell to 4 E Burwell	18	1830CST			0	0	?	?	Hail (0.75)
<b>Buffalo County</b>									
5 E Kearney	18	1849CST			0	0	0	0	Funnel Cloud
A funnel cloud dipped close to ground east of Kearney.									
<b>Valley County</b>									
2 N Elyria	18	1854CST			0	0	?	?	Hail (1.75)
Golf ball-size hail was reported north of Elyria.									
<b>Kearney County</b>									
5 S Heartwell	18	1902CST			0	0	0	0	Funnel Cloud

# Storm Data and Unusual Weather Phenomena

July 1992

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

## NEBRASKA Cont'd

A funnel cloud dipped down south of Heartwell.

Phelps County Atlanta	18	1903CST			0	0	?	?	Hail (1.75)
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Phelps County Bertrand	18	1920CST			0	0	?	?	Hail (2.75)
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Golf ball to baseball-size hail broke a large number of automobile windows.

Fillmore County Fairfield	18	1930CST			0	0	?	?	Thunderstorm Winds (G61)
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Seventy-mph winds struck Fairfield.

Clay County Sutton	18	1930CST			0	0	?	?	Hail (1.00)
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York County Gresham	18	1955CST			0	0	?	?	Hail (1.75)
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Polk County Stromsburg	18	1955CST			0	0	?	?	Hail (1.75)
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Golf ball-size hail stripped corn and other crops. Large indentations from the stones were left in the ground.

Nuckolls County Nelson	18	2005CST			0	0	?	?	Thunderstorm Winds (G52)
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Sixty-mph winds were reported at Nelson.

York County 4 N Thayer	18	2030CST			0	0	?	?	Hail (2.75)
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Golf ball to baseball-size hail did extensive damage to houses and crops along the northern York County line. Crops were nearly 100 percent destroyed.

Sewarda County Beaver Crossing	18	2035CST			0	0	0	0	Hail (1.75)
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Seward County 8 S Seward	18	2050CST	Short	50	0	0	0	0	Tornado (F0)
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Scotts Bluff County 4 W Scottsbluff	21	1514MST			0	0	?	?	Hail (0.75)
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Dawes County 4 E Chadron to 11 E Chadron	21	1530MST			0	0	3	?	Thunderstorm Winds (G50)
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Thunderstorm winds damaged trees, downed power lines, broke windows, and damaged a grain bin.

Morrill County Bayard	21	1530MST			0	0	3	?	Thunderstorm Winds (G50)
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Thunderstorm winds blew part of a roof and some siding off buildings and downed power lines in Bayard.

Cheyenne County 5 NW Sidney	21	1700MST			0	0	?	?	Hail (1.75)
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Garden County 5 W Oshkosh	21	1701MST	**300	30	0	0	3	?	Tornado (F0)
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A tornado briefly touched down and damaged a house and barn.

Cheyenne County 3 W Sidney	21	1716MST			0	0	?	?	Hail (1.75)
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Garden County 3 W Lewellen	21	1733MST	**200	30	0	0	?	?	Tornado (F0)
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# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEBRASKA Cont'd</b>									
A tornado briefly touched down.									
Hall County Cairo	22	2200CST			0	0	?	?	Thunderstorm Winds (G61)
Howard County St. Libory	22	2210CST			0	0	?	?	Thunderstorm Winds
Trees and power lines were down; some were blown onto houses.									
Hall County Grand Island	22	2210CST			0	0	?	?	Hail (0.75)
Three-quarter inch hail was reported in west Grand Island at Highway 30 and 281 and at the airport.									
Merrick County Central City	22	2230CST			0	0	?	?	Thunderstorm Winds
Trees and power lines were downed by the strong winds.									
Hamilton County Aurora	22	2245CST			0	0	?	?	Thunderstorm Winds
Large trees and power lines were blown down.									
Polk County Osceola	22	2315CST			0	0	?	?	Thunderstorm Winds
Large tree limbs were blown down all over town. Some roofs were damaged.									
York County York	22	2330CST			0	0	?	?	Thunderstorm Winds
Large tree limbs were blown down.									
Dodge County 3 W Fremont	24	1206CST			0	0	?	?	Hail (1.75)
Otoe County Palmyra	24	1348CST			0	0	?	?	Hail (0.75)
Nickel-size hail fell.									
Otoe County Nemaha County	24	1500CST			0	0	?	?	Flash Flood
Up to six inches of rain in Douglas and over one inch of rain in 10 minutes in Nebraska City caused flooding. A mobile home park in Syracuse was evacuated. Douglas in southwestern Otoe county was isolated by flood waters and eight houses received major water damage. Six feet of water flooded roads around Unadilla and water was 2 feet deep on Highway 136 near Auburn. Four bridges in southwestern Otoe County were washed out or damaged. In Nemaha County, 15 bridges were damaged; two were destroyed, and one washed away.									
Lancaster County Lincoln	24	1525CST			0	0	3	0	Thunderstorm Winds
Gage County Adams	24	1530CST			0	0	4	0	Thunderstorm Winds
Lancaster County Lincoln	24	1540CST			0	0	3	0	Lightning
Thunderstorms blew down several trees in southern Lincoln, one of which crushed a parked car in southern Lincoln. Lightning struck a house in southern Lincoln, starting a fire causing \$3000 worth of damage. Winds also destroyed several aluminum grain bins northeast of Adams.									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEBRASKA Cont'd</b>									
York County 1 E McCool Junction	24	2015CST			0	0	?	?	Flash Flood
Gravel roads were washed out east of McCool Junction with considerable street flooding in town.									
Lancaster, Johnson, Saline, and Jefferson Counties	24	1430CST			0	0	6	5	Flash Flood
Gage and Pawnee Counties	24	1845CST			0	0	5	6	Flash Flood
Jefferson, Lancaster	24	2300CST			0	0	4	6	Flood
Lancaster, Saline, Gage Counties	24	2200CST			0	0	5	4	Flash Flood
Two rounds of thunderstorms moved through southeast Nebraska with rainfall up to ten inches. In Lancaster County, Salt Creek flooded several roads from the southern edge of Lincoln to Hickman and Panama. Numerous roads were closed and one house was damaged. Three miles east of Hickman, near Wagon Train lake, 24 cattle and numerous wildlife were swept away by the rising creek. In Jefferson County, the Little Blue River flooded buildings in southwest Fairbury and Steele City; two businesses and 42 houses reported damage. Two miles of Union Pacific railroad track were closed due to flooding. Property damage was estimated at: Lancaster County.: \$100,000; Johnson County.: \$650,000; Pawnee County.: \$175,000; Jefferson County.: \$700,000; Gage County.: \$15,000; Saline County: \$5000.									
Gage County Barneston	24	2230CST			0	0	3	0	Lightning
Lightning struck a barn northeast of Barneston, starting a fire and causing \$1500 worth of damage.									
Fillmore County Geneva Fairmont Grafton	25	0030CST			0	0	?	?	Flash Flood
Street and lowland flooding occurred throughout the county.									
Thayer County Deshler	25	0030CST			0	0	?	?	Flash Flood
Four inches of rain caused streams to overflow and damaged three county bridges.									
Clay County Harvard	25	0030CST			0	0	?	?	Flash Flood
School Creek, Spring Creek and the Little Blue River flooded. Several houses along the streams were flooded. Forty-three trains had to be rerouted due to damage along the tracks.									
Nuckolls County 10 N Nelson	25	0100CST			0	0	?	?	Flash Flood
The Little Blue River flooded Highway 14.									
Clay County 4 W Clay Center	25	0100CST			0	0	?	?	Flash Flood
Flash flooding was reported west of Clay Center.									
Thayer County	25	0100CST			0	0	?	?	Flash Flood
Flash flooding occurred along the Little Blue River 10 miles northwest of Heron and Spring Creek southwest of Hebron.									
Gage County Liberty	25	0430CST			0	0	3	0	Lightning

# Storm Data and Unusual Weather Phenomena

July 1992

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

## NEBRASKA Cont'd

A house was struck by lightning, causing a small fire.

**Frontier County**  
6 S Curtis

25	1205CST- 1215CST				0	0	3	?	Hail (2.50)
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Tennis ball-sized hail, strong gusty winds, and 1.15 to 1.80 inches of rain fell in a 10 minute span. Wind blew a private radio tower down and hail broke windows on a farm. Corn and alfalfa crops were damaged.

**Richardson County**

25	1300CST				0	0	?	?	Flood
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Heavy rain upstream raised water levels in the Big Nemaha River. Up to eight inches of rain in Falls City escalated the flooding. Several county roads were washed out.

**Dodge County**

25	1630CST				0	0	?	?	Flash Flood
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Up to three inches of rain caused Pebble Creek to flood. The junction of highways 275 and 91 was closed after 14 inches of water covered the roads. Dead Timber State Recreation Area was evacuated as the water rose in the park.

**Sheridan County**  
18 NE Alliance

26	1404MST				0	0	?	?	Hail (1.75)
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Golf ball-sized hail covered the ground.

**Cheyenne County**

20 NE Sidney  
7 E Gurley  
**Dakota County**  
South Sioux City

26	1448MST				0	0	?	?	Hail (1.75)
26	1428MST				0	0	?	?	Funnel Cloud

28	0105CST				0	0	?	?	Hail (0.75)
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Hail damaged roofs.

**Box Butte County**

6.5 N Alliance  
6.5N Alliance  
Alliance  
Alliance

28	1520MST				0	0	?	?	Hail (0.75)
28	1513MST	**200	30		0	0	?	?	Tornado (F0)
28	1526MST				0	0	?	?	Hail (0.75)
28	1535MST				0	0	?	?	Hail (0.75)

**Kearney County**  
Axtell

28	1710CST				0	0	?	?	Hail (1.00)
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Ping-pong-size hail reported at the Nebraska public television studio. Three-quarter inch hail was reported in downtown Axtell.

**Phelps County**  
Bertrand

28	1737CST				0	0	?	?	Hail (0.75)
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**Phelps County**  
Atlanta

28	1755CST				0	0	0	0	Funnel Cloud
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A funnel cloud was observed in southeast Atlanta.

**Lincoln County**  
North Platte

28	2003CST- 2015CST				0	0	4	0	Thunderstorm Winds (G52)
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Thunderstorm winds estimated at 60 mph in parts of North Platte blew an 8 inch tree and numerous 3 to 4 inch limbs down. A rack of new pickup truck toppers were blown over and extensively damaged and a storage trailer had its roof and one side blown off.

**Lincoln County**  
Brady

28	2029CST				0	0	0	0	Hail (0.75)
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Some 0.75 inch hail fell with no reported damage.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEBRASKA Cont'd</b>									
<b>Frontier County</b> Curtis 1 E Curtis	28	2045CST- 2100CST			0	0	0	0	Thunderstorm Winds (G52)
Thunderstorms winds estimated to 60 mph blew roof shingles off and numerous 4 inch tree limbs down. Falling tree limbs destroyed a swing set 1 mile east of Curtis.									
<b>Sheridan County</b> 0.5 W Hay Springs 5 S Hay Springs	29	1517MST			0	0	?	?	Hail (0.75)
	29	1534MST			0	0	?	?	Hail (4.50)
Softball size-hail shattered the windshield, broke the rear window, and damaged a State Patrol vehicle.									
<b>Sheridan County</b> Rushville	29	1600MST			0	0	?	?	Thunderstorm Winds (50)
Thunderstorm winds downed tree limbs.									
<b>Chase County</b> 4 N Imperial	29	1618MST			0	0	?	?	Hail (1.75)
Golf ball-size hail fell in open country with no reported damage.									
<b>Grant County</b> Hyannis	29	1630MST			0	0	?	?	Thunderstorm Winds (52)
Sheriff estimated winds to 60 mph but no damage was reported.									
<b>Richardson County</b> 2 N Verdon to Falls City	29	1739CST			0	0	?	?	Hail (4.50)
Golf ball to softball-size hail fell in a path four miles wide; damaged trees, plants, roofs, and cars; and stripped corn and soybeans.									
<b>Chase County</b> 2.5 SSE Wauneta	29	1700MST			0	0	?	?	Hail (1.75)
Golf ball-size hail fell in open country. Damage estimates were not available, but 50 to 60 percent of the crops were damaged.									
<b>Hayes County</b> 6 WSW Hamlet	29	1800CST			0	0	?	?	Hail (1.25)
Half-dollar-size hail fell in the extreme southwest corner of the county but no damage was reported.									
<b>Hitchcock County</b> 11 W Palisade	29	1800CST			0	0	?	?	Hail (1.25)
Half-dollar-size hail fell in the extreme northwest corner of Hitchcock County, but no damage was reported.									
<b>Hitchcock County</b> Trenton	29	1830CST			0	0	?	?	Thunderstorm Winds (G52)
Thunderstorm winds estimated to 60 mph broke 8 inch tree limbs.									
<b>Lincoln County</b> 2 N Maxwell	29	1842CST			0	0	0	0	Hail (2.75)
A thunderstorm dropped baseball-size hail in open country with no reported damage.									
<b>Hitchcock County</b> Stratton and 4 E Stratton 12 N Stratton	29	1900CST			0	0	?	?	Thunderstorm Winds (G52)
	29	1900CST			0	0	?	?	Hail (1.00)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property    Crops		Character of Storm
<b>NEBRASKA Cont'd</b>									
									Thunderstorm winds estimated to 60 mph snapped a power pole 3 miles east of Stratton. Four miles east of Stratton, Citation Oil reported a pump house was blown off an injection well with well fittings broken off. A thunderstorm dropped 1.00 inch hail north of Stratton which extensively damaged crops.
Lincoln County 4 N Wellfleet	29	1905CST			0	0	0	0	Thunderstorm Winds (G56)
									Thunderstorm winds estimated to 65 mph rocked a semitrailer delivering parts to the FAA radar site.
Lincoln County 1 NW Farnam	29	1905CST	.4	50	0	0	4	0	Tornado (F2)
									In the very extreme southeast corner of Lincoln County, a tornado briefly touched down over a farm house. Damage included a garage and family room destroyed with much of the siding torn away. One car in the garage was damaged. A barn and outbuildings had minor damage. Large trees were uprooted 100 yards west in a canyon.
Lincoln County Brady to 6 S Brady	29	1908CST			0	0	?	?	Hail (1.75)
									Quarter to golf ball-size hail fell with no reported damage.
Lincoln County 3 W Farnam	29	1910CST			0	0	0	0	Thunderstorm Winds (G52)
									Thunderstorm winds in extreme southeast corner of Lincoln County. No damage was reported.
Gage County Virginia	29	2104CST			0	0	0	0	Hail (1.00)
Pawnee County Lewiston	29	2120CST			0	0	?	?	Hail (2.75)
Richardson County	29	2200CST			0	0	6	?	Flash Flood
									Four to seven inches of rain fell, causing the Big Nemaha River to flood. A bridge near Verdon collapsed and another south of Rulo along the Nebraska-Kansas border was washed away. Many buildings around Falls City and 10,000 acres of crops were flooded. Road and bridge damage was estimated at \$500,000.
Fillmore County Ohioa	29	2245CST			0	0	?	?	Thunderstorm Winds
									Thunderstorm winds damaged many trees and structures and broke three power poles.
Pawnee County 1 N Pawnee City	29	2258CST	Short 25		0	0	3	0	Tornado (F0)
									A tornado touched down briefly, destroying a barn.
Pawnee County 1.5 N Pawnee City	29	2312CST	Short 25		0	0	3	0	Tornado (F0)
									A tornado touched down briefly, destroying a barn.
Gage County Beatrice	29	2340CST			0	0	3	0	Thunderstorm Winds
									Thunderstorm winds blew down a large tree in Beatrice, damaging the house it landed on.
Johnson County 1.5 W Elk Creek	29	2356CST	Short 25		0	0	3	0	Tornado (F0)
									A tornado touched down briefly and destroyed some farm outbuildings.
Garden County 9 S Oshkosh	31	1918MST			0	0	?	?	Hail (1.75)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of		Estimated		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEVADA</b>									
<b>Esmeralda County</b> 10 N Silver Peak	11	1540PST			0	0	0	0	Flash Flood
	A weather spotter reported mud and water flowing across State Route 265, 11 miles north of Silver Peak.								
<b>Mineral County</b> Hawthorne	11	1545PST			0	0	?	?	Hail (0.75)
<b>Countywide</b>	11	1545PST- 1800PST			0	0	6	?	Flash Flood
	Strong thunderstorms developed over Mineral County during the afternoon with heavy rain falling over much of the county. One and seven tenths inches of rain fell in Hawthorne during a 20 minute period from 1545 PST to 1605 PST. Over 100 homes were damaged by flooding in Hawthorne and several buildings were damaged in the downtown area, including the courthouse annex and the fire station. A senior citizens home was evacuated due to rising water. By 1620 PST, the Mineral County Emergency Manager reported all roads in and out of Hawthorne closed due to flooding. Twenty people were stranded 10 miles south of Hawthorne on State Route 359 due to water and mud running across the road. Rock and mudslides also closed U.S. Highway 95, 20 miles south of Hawthorne. State Route 360 from Basalt to Mina and U.S. Highway 6 at Montgomery Pass were also closed due to flooding.								
<b>Mineral County</b> Hawthorne	11	1601PST			0	0	5	?	Hail (1.00)
	Hail caused significant damage to nearly 100 homes in the Hawthorne area.								
<b>Esmeralda County</b>	12	2002PST			0	0	?	0	Flash Flood
	The Esmeralda County Sheriff's Office reported 2 to 3 feet of water running over State Route 266 at the Nevada/California border. One car was washed off the road, but the driver was rescued without any injuries.								
<b>Esmeralda County</b> 20 S Tonopah	13	1530PST			0	0	0	0	Flash Flood
	The Esmeralda County Sheriff's Office reported flooding on U.S. Highway 95, south of Tonopah.								
<b>Douglas County</b> Holbrook Junction	14	1431PST			0	0	0	0	Flash Flood
	Flooding was reported by the Douglas County Sheriff's Office at Holbrook Junction on U.S. Highway 95.								
<b>Lyon County</b> Six Mile Canyon	14	1545PST			0	0	0	0	Flash Flood
	The Lyon County Sheriff's Office reported 1 to 2 feet of water running over Sonoe Road at Six Mile Canyon east of Virginia City.								
<b>Douglas County</b> 5 N Minden	14	1645PST			0	0	3	0	Flash Flood
	Water washed mud and debris onto Johnson Lane, 5 miles north of Minden. A few houses received some minor damage.								
<b>Washoe County</b> 5 E Reno	14	1815PST			0	0	0	0	Flash Flood
	The Nevada Highway Patrol closed Interstate 80 at Vista in both directions due to rock and mud slides.								
<b>Storey County</b> Lockwood	14	1830PST			0	1	0	0	Lightning
	A fireman was struck by lightning while fighting a brush fire near Lockwood. He was knocked unconscious but was later revived with only minor injuries.								

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEVADA Cont'd</b>									
Esmeralda County 5 S Tonopah	14	1915PST			0	0	0	0	Flash Flood
Flash flooding was reported on U.S. Highway 95, 5 miles south of Tonopah.									
Washoe County Sand Pass	14	2030PST			0	0	4	0	Flash Flood
The Union Pacific Railroad was washed out at Sand Pass, northwest of Pyramid Lake. There were three separate washouts with most of the damage done to ties and ballast.									
Mineral County Mina	15	0020PST			0	0	0	0	Flash Flood
The Mineral County Sheriff's Office reported water running over several roadways in the Mina area.									
Douglas County 10 S Gardnerville	15	1550PST			0	0	0	0	Flash Flood
Flash flooding was reported on U.S. Highway 95, 10 miles south of Gardnerville.									
<b>NEW HAMPSHIRE</b>									
None reported.									
<b>NEW JERSEY, Northern</b>									
Middlesex County Laurence Harbor	15	1446EST			0	0	?	0	Thunderstorm Winds
Monmouth County Matawan	15	1447EST			0	0	?	0	Thunderstorm Winds
Morris County Boonton	15	1645EST			0	0	?	0	Thunderstorm Winds
Union County Rahway	15	1652EST			0	0	0	0	Funnel Cloud
Union County Linden Cranford	15	1700EST			0	0	?	0	Thunderstorm Winds
Warren County	15	1708EST			0	0	?	0	Thunderstorm Winds
Bergen County	15	1730EST			0	0	?	0	Thunderstorm Winds
Hunterdon County 12 N Flemington	15	1730EST			0	0	?	0	Thunderstorm Winds
Warren County	15	1735EST			0	0	?	0	Flash Flood
Union County Clark	15	1738EST	2.0	100	0	0	?	0	Tornado (F0)
Middlesex County Iselin	15	1742EST			0	0	?	0	Thunderstorm Winds
Morris County Landing	15	1750EST			0	0	?	0	Thunderstorm Winds
Union County Westfield	15	1815EST			0	0	0	0	Thunderstorm Winds (G56)
Hudson County	15	1830EST			0	0	?	0	Flash Flood
Middlesex County Woodbridge	15	1830EST			0	0	?	0	Thunderstorm Winds
Monmouth County Freehold	15	1830EST			0	0	0	0	Funnel Cloud
Hudson County Harrison	15	1830EST			0	0	?	0	Lightning
Monmouth County	15	1837EST			0	0	?	0	Thunderstorm Winds
Middlesex County Raritan Bay	15	1849EST			0	0	?	0	Thunderstorm Winds
Monmouth County	15	1945EST- 2000EST			0	0	?	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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## NEW JERSEY, Northern Cont'd

Severe weather preceded and accompanied a cold front as it passed through sections of New Jersey. At Clark, a weak tornado skipped across the town. It remained about 15 to 25 feet off the ground most of the time damaging and destroying the tops of several trees. A couple of funnel clouds were also observed. At first it was believed that they may have touched the ground, but after examination, it was determined that they never did. Most of the damage was caused by winds generated by the thunderstorms. Hundreds of trees and power lines were downed by thunderstorm winds. In Raritan Bay several boats were damaged. One boat sank and its crew had to be rescued by the U.S. Coast Guard. In Harrison, lightning caused a fire that caused substantial damage to a home. Torrential rains caused localized but significant urban flooding in the counties of Warren and Hudson.

Monmouth County	31	0930EST			0 0	? 0	Flash Flood
A very heavy thunderstorm resulted in 2.50 inches of rain in a very short time. This led to some significant urban flooding.							
Middlesex County S Brunswick	31	1610EST			0 0	? 0	Thunderstorm Winds
Middlesex County S Amboy	31	1630EST	1.3	40	0 0	? 0	Tornado (F1)
Somerset County E Millstone Belle Mead	31	1646EST			0 0	? 0	Thunderstorm Winds
Middlesex County Sayreville	31	1725EST			0 0	? 0	Thunderstorm Winds

A squall line moving across New Jersey generated a small tornado in the town of South Amboy. It skipped across the town touching down briefly at a couple of locations. This squall line also produced damaging winds that downed many trees and power lines.

## NEW JERSEY, Southern

Burlington County Medford	01	1400EST			0 0	3 0	Thunderstorm Winds (G89)
Thunderstorm wind gusts measured at 102 mph brought trees down and momentarily lifted an automobile off the ground.							
Camden County Berlin	01	1558EST			0 0	3 0	Thunderstorm Winds
Thunderstorm wind gusts downed trees and utility lines in Berlin and Lindenwold. Utility lines were also down in Cherry Hill. A building was also struck by lightning in Berlin.							
Gloucester County Deptford	01	1628EST			0 0	? ?	Hail (0.75)
Dime-size hail was reported in Deptford Township.							
Burlington County Palmyra	10	1830EST			0 0	3 0	Thunderstorm Winds
Willingboro	10	1830EST			0 0	? 0	Hail (1.00)
1 NW Mt. Holly	10	1832EST			0 0	? 0	Thunderstorm Winds (G54)
Thunderstorms dropped hail that ranged from marble-size to 1.00 inch in Willingboro and was dime-size near Mt. Holly. There also were wind gusts to 62 mph near Mt. Holly and numerous trees were down in Palmyra.							
Cumberland County Greenwich	10	1830EST			0 0	? ?	Hail (1.75)
Vineland	10	1850EST			0 0	? 0	Thunderstorm Winds

Thunderstorm wind gusts downed trees and utility lines in Vineland. Golf ball-size hail fell in Greenwich.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEW JERSEY, Southern Cont'd</b>									
<b>Camden County</b>									
1 E Glendale	10	1855EST			0	0	?	0	Thunderstorm Winds (G56)
Atco	10	1915EST			0	0	3	0	Thunderstorm Winds (G87)
West Berlin	10	1926EST			0	0	3	0	Thunderstorm Winds
Thunderstorm wind gusts were measured at 64 mph at Vorhees which is near Glendale. Wind gusts were estimated at 100 mph at Atco where trees were uprooted. Trees and utility lines were downed in West Berlin and one tree was down at Lindenwold.									
<b>Gloucester County</b>									
Mantua	10	1900EST			0	0	?	?	Hail (1.00)
Deptford	10	1916EST			0	0	?	?	Hail (1.00)
Thunderstorms dropped nickel size-hail in Mantua and quarter-size hail in Deptford.									
<b>Brulington County</b>									
2 NW Mt. Holly	10	1925EST			0	0	3	0	Thunderstorm Winds
Delran	10	1925EST			0	0	?	?	Hail (1.00)
Thunderstorm wind gusts downed trees and utility lines in Westampton Township, northeast of Mt. Holly. Nickel-size hail fell in Delran.									
<b>Ocean County</b>									
Beachwood	10	1930EST			0	0	4	0	Thunderstorm Winds
Thunderstorm wind gusts caused structural damage to a house.									
<b>Atlantic County</b>									
Somers Point	10	1930EST			0	0	?	0	Thunderstorm Winds
Thunderstorm wind gusts downed trees and utility lines and blew the steeple off a church.									
<b>Cape May County</b>									
Ocean City	10	2030EST			0	0	?	0	Hail (1.00)
Thunderstorms dropped quarter-size hail.									
<b>Gloucester County</b>									
Woodbury	15	1732EST			0	0	?	0	Hail (1.00)
Woodbury	15	1735EST			0	0	3	0	Thunderstorm Winds (G52)
Newfield	15	1740EST			0	0	3	0	Thunderstorm Winds
Thunderstorm wind gusts downed trees and utility lines with some trees coming down on automobiles. The wind gusts were estimated at 60 mph in Woodbury. Trees were down in Deptford, West Deptford, Newfield, Westville and Woodbury. Nickel-size hail fell in Woodbury.									
<b>Camden County</b>									
Winslow	15	1755EST			1	2	0	0	Lightning
Lightning struck three people in a parking lot, killing one man and injuring a man and a women. (M180)									
<b>Burlington County</b>									
Lumberton	15	1752EST			0	0	3	0	Thunderstorm Winds
Willingboro	15	1752EST			0	0	3	0	Thunderstorm Winds
Tabernacle	15	1803EST			0	0	?	0	Thunderstorm Winds (G52)
					0	0	?	0	Hail (0.75)
Medford	15	1815EST			0	0	3	0	Thunderstorm Winds
Thunderstorm wind gusts downed trees in Lumberton and blew a baseball scoreboard over. Wind gusts were estimated at 50 to 60 mph in Tabernacle where 0.50 to 0.75 inch hail fell. Trees and utility lines were down in Medford.									
<b>Cumberland County</b>									
Vineland	15	1753EST			0	0	3	0	Thunderstorm Winds
1 E Orchard Center	15	1753EST			0	0	3	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## NEW JERSEY, Southern Cont'd

Thunderstorm wind gusts downed large tree limbs and a few utility lines in Vineland. A few trees and utility lines in Upper Deerfield Township near Orchard Center.

Ocean County	15	1835EST			0	0	3	0	Thunderstorm Winds
4 SW Tuckerton	15	1835EST			0	0	3	0	Thunderstorm Winds
Parkertown									

Thunderstorm wind gusts blew windows out of 32 automobiles and blew a shed up onto the roof of a house at Mystic Islands southwest of Tuckerton. Trees were down at Parkertown including an uprooted 65 foot willow tree.

Atlantic County	15	1900EST			0	0	3	0	Thunderstorm Winds
Ventnor									

Thunderstorm wind gusts downed trees and utility lines in Brigantine, Ventnor and Longport.

Cape May County	15	1945EST			0	0	?	0	Thunderstorm Winds (G61)
Ocean City									

Thunderstorm wind gusts of 70 Mph were reported.

Cumberland County	19	1215EST			0	0	3	0	Thunderstorm Winds
Dividing Creek									

Thunderstorm wind gusts downed a few trees and large limbs.

NJC005-007	31	0745EST			0	0	?	0	Flash Flood
Burlington And Camden Counties		0950EST							

Torrential downpours of 2.5 to 3.5 inches of rain in an hour or less caused considerable drainage flooding. In some cases the rainfall occurred in 15 minutes or less. Many roadways were closed. It was high tide on the Rancocas Creek and this along with the heavy rain caused flooding along some low sections.

Burlington County	31	0825EST			0	0	4	0	Thunderstorm Winds
Mt. Holly	31	0835EST			0	0	3	0	Thunderstorm Winds (G59)
1 NW Mt. Holly					0	0	?	0	Hail (0.75)
2 NW Mt. Holly	31	0847EST			0	0	3	0	Thunderstorm Winds (G78)

Thunderstorm wind gusts downed many trees and utility lines in Burlington County, mainly in and around Mt. Holly. In Mt. Holly a large part of the roof was torn off a department store in a shopping plaza. In addition portions of the roof were torn off a restaurant and a bank. One mile northwest of Mt. Holly wind gusts to 68 mph were measured and dime-size hail fell. Wind gusts were estimated at 90 mph two miles northwest of Mt. Holly. At 0846 EST winds were estimated at 60 mph in Mt. Holly. Some of the downed trees came down on automobiles.

Mercer County	31	1510EST	2.25	30	0	0	5	0	Tornado (F1)
1.5 SW White Horse		1520EST							
2 NW White Horse									

The tornado touched down first near the Delaware River and then moved north to northeast for 2.25 miles before finally lifting off. This was likely the same tornado that had previously touched down across the river in Bucks County, Pennsylvania. The tornado was on the ground much of the time. Numerous trees and utility poles were broken off and some trees were uprooted. Portions of roofs were blown off at least three houses. Before lifting off it lifted a 30-foot office trailer off its foundation and rolled it on its side. There were a number of eyewitnesses, including a traffic reporting pilot who was in flight in the area.

Cumberland County	31	1820EST			0	0	3	0	Thunderstorm Winds (G52)
Fortescue	31	1830EST			0	0	4	0	Thunderstorm Winds
Cedarville									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### NEW JERSEY, Southern Cont'd

Thunderstorm wind gusts downed utility lines and gust estimated at 60 mph. In Cedarville wind gusts tore the metal roof off a building and knocked down cinder block walls.

Atlantic County Hammonton	31	1905EST			0	0	?	0	Thunderstorm Winds (G50)
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Thunderstorm wind gusts were measured at 58 mph and 1.38 inches of rain fell in 1 hour.

Cape May County Ocean City	31	1910EST			0	0	?	0	Thunderstorm Winds (G52)
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Thunderstorm wind gusts were measured at 60 mph.

### NEW MEXICO

Torrance County 15 W Mountainair	05	1700MST			0	0	3	0	Lightning
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Lightning struck the Quarai Mission, a unit of the Salinas Pueblo National Monument. The U.S. Park Service reported that about \$4,000 worth of damage occurred to the church at the ruin site, located in extreme southwestern Torrance County.

Dona Ana County Las Cruces	09	1530MST			0	1	0	0	Lightning
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Lightning struck a golf course parking lot, slightly injuring a man who was standing on the lot while wearing his metal-spiked golf shoes. He reportedly was dizzy after feeling a tingle come up through his legs.

Roosevelt County 5 SE Portales	09	1745MST			0	0	4	0	Thunderstorm Winds (G50)
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A thunderstorm in eastern New Mexico became severe and produced strong downburst winds. The winds destroyed a metal hay barn at a dairy and damaged a porch at a residence.

Lea County Hobbs	11	1626MST			0	0	0	0	Thunderstorm Winds (G55)
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A wind gust of 55 knots was recorded at the Lea County Airport in Hobbs during a thunderstorm.

Union County 12 S Clayton	13	1623MST			0	0	0	0	Hail (0.75)
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The Clayton Police Department reported dime-size hail south of Clayton from a thunderstorm.

San Juan County Farmington	15	1830MST			0	0	4	0	Thunderstorm Winds
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A severe thunderstorm struck Farmington at about 1830 MST. A quarter of the roof of a business was ripped off, two large trees were uprooted, and a radio station's 75-foot antenna was blown over. The antenna slightly damaged a nearby car. A gust to 55 mph was recorded at the Farmington Airport and a person's home weather station recorded a 62-mph gust.

Chaves County 3 NW Roswell	16	1910MST			0	0	3	0	Thunderstorm Winds
Roswell	16	1939MST			0	0	3	0	Thunderstorm Winds (G65)
Roswell	16	1939MST			0	0	0	0	Hail (1.75)
2 SE Roswell	16	2010MST			0	0	3	0	Thunderstorm Winds

A severe thunderstorm moved northwest to southeast across Roswell, with most of the wind-related damage in the northern part of the city. Winds damaged a building, knocked down a power pole, uprooted a large tree, and broke many branches off other trees in northwestern Roswell at 1910 MST. The Roswell Police Department reported 70- to 80-mph winds and golf ball-size hail in Roswell at 1939 MST. Later, as the storm moved outside of Roswell, numerous branches were downed, at least three buildings suffered roof damage and, a billboard sign was knocked down.

Colfax County 3 N Maxwell	17	1250MST			0	0	0	0	Hail (1.00)
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# Storm Data and Unusual Weather Phenomena

July 1992

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

## NEW MEXICO Cont'd

A National Weather Service cooperative observer reported 1.00-inch-diameter hail at the Maxwell National Wildlife Refuge.

<b>San Miguel County</b> Conchas Dam	17	1635MST			0	0	4	0	Thunderstorm Winds
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The U.S. Corps of Engineers reported damage to the marina at Conchas Dam because of thunderstorm winds.

<b>Roosevelt County</b> 5 E Elida	17	1912MST			0	0	0	0	Hail (0.75)
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The Roosevelt County Sheriff's Office reported dime-size hail 5 miles east of Elida from a severe thunderstorm.

<b>Hidalgo County</b> Animas	21	1700MST			0	0	4	3	Thunderstorm Winds
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A severe thunderstorm hit Animas, braking limbs off some trees and uprooting a few others. At least one large antenna was blown off a roof and a couple satellite dishes were damaged. Several roofs sustained minor damage.

<b>McKinley County</b> Zuni	23	1230MST- 1330MST			0	0	4	0	Flash Flood
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The Zuni River flooded at Zuni after almost 1.50 inches of rain fell in about 90 minutes. Five homes and a business were damaged.

<b>Bernalillo County</b> Albuquerque	23	1415MST- 1515MST			0	0	0	0	Urban Flood
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A thunderstorm dumped between 0.50 and 1.50 inches of rain across the eastern part of Albuquerque, briefly flooding streets.

<b>Otero County</b> Alamogordo	24	Afternoon			0	0	3	0	Thunderstorm Winds
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A thunderstorm's strong winds peeled a roof off a section of a storage warehouse.

<b>Curry County</b> Clovis	26	1530MST			0	0	0	0	Hail (1.00)
<b>Clovis</b>	26	1538MST			0	0	0	0	Hail (1.00)

An area of strong thunderstorms developed in east-central New Mexico. One of the storms produced 1.00-inch hail in Clovis as reported by the Clovis Police Department.

<b>Lea County</b> 3 NW Hobbs	26	1630MST			0	0	6	0	Lightning
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A large building that was under construction was destroyed, apparently after being struck by lightning. The Lea County Cultural Center was a skeleton of steel trusses and beams at the time of the incident. A witness reportedly saw lightning strike the structure and travel through all the beams. Engineers believe lightning went through the beams and blew apart the concrete footings, causing the structure to collapse. Damage exceeded \$1 million. Winds were gusty during the event, by the relatively close Lea County Airport only reported brief 30- to 35-mph gusts.

<b>Valencia County</b> 4 SE Belen	31	1915MST- 1930MST			0	0	3	0	Flash Flood
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Heavy rains caused minor flash flooding near Belen. No estimate of rainfall was available, but Valencia County Sheriffs reported at least two cars stranded by flood waters 4 miles southeast of Belen between 1915 MST and 1930 MST.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEW YORK, Central</b>									
Oneida County									
Sylvan Beach	05	1226EST			0	0	5	4	Hail (1.50)
New London	05	1232EST			0	0	4	4	Hail (1.75)
Greenway	05	1236EST			0	0	4	4	Hail (1.75)
Stanwix	05	1245EST			0	0	5	5	Hail (1.75)
Westmoreland	05	1245EST			0	0	5	5	Hail (1.75)
Oriskany	05	1250EST			0	0	7	5	Hail (2.25)
Whitesboro	05	1255EST			0	0	5	5	Hail (1.75)
Whitesboro	05	1255EST			0	0	5	0	Thunderstorm Winds
Utica	05	1300EST			0	0	5	0	Hail (1.75)
Utica	05	1300EST			0	0	3	0	Thunderstorm Winds
Herkimer County									
Schuyler	05	1324EST			0	0	5	0	Thunderstorm Winds
Schuyler	05	1324EST			0	0	4	5	Hail (1.75)
Mohawk	05	1330EST			0	0	5	0	Thunderstorm Winds
Schuyler	05	1330EST			0	0	4	0	Lightning
Montgomery County									
St. Johnsville	05	1332EST			0	0	4	0	Thunderstorm Winds
Cortland County									
Cortland	05	1400EST			0	0	6	0	Thunderstorm Winds (G81)
Montgomery County									
Palatine	05	1400EST			0	0	3	0	Thunderstorm Winds
Fulton County									
1S Ephratah	05	1400EST	0.8	14	0	0	4	2	Tornado (F0)
Cortland County									
Cortland	05	1415EST			0	0	4	0	Thunderstorm Winds
Fulton County									
Johnstown	05	1415EST	0.8	50	0	0	4	0	Tornado (F0)
Fonda	05	1415EST			0	0	3	0	Thunderstorm Winds
Fultonville	05	1415EST			0	0	3	0	Thunderstorm Winds
Montgomery County									
Ft. Johnson	05	1420EST			0	0	4	0	Thunderstorm Winds
Fulton County									
Perth	05	1420EST			0	0	4	0	Thunderstorm Winds
Saratoga County									
Charlton	05	1440EST	1.0	25	0	0	4	0	Tornado (F0)
Lake Nancy	05	1440EST			0	0	4	0	Thunderstorm Winds
Schenectady County									
Glenville	05	1445EST			0	0	3	0	Thunderstorm Winds
Chenango County									
New Berlin	05	1500EST			0	0	3	0	Thunderstorm Winds
Saratoga County									
Stillwater	05	1512EST	1.5	20	0	0	4	0	Tornado (F0)
Ulster County									
Milton	05	1550EST			0	0	0	0	Hail (0.75)
Dutchess County									
Fishkill	05	1600EST	0.1	20	0	0	5	0	Tornado (F0)
Otsego County									
Canadarago Lake	05	1600EST	1.2	50	0	0	6	0	Tornado (F1)
Putnam County									
Kent	05	1605EST			0	0	3	0	Thunderstorm Winds
Dutchess County									
Beekman	05	1615EST			0	0	0	0	Hail (1.75)
Putnam County									
Patterson	05	1624EST			0	0	4	0	Thunderstorm Winds
Putnam Lake	05	1630EST			0	0	4	0	Thunderstorm Winds
Lake Carmel	05	1630EST			0	0	3	0	Hail (1.00)
Cortland County									
Virgil	05	1800EST	1.5	35	0	0	4	0	Tornado (F0)

Severe thunderstorms moved across eastern New York ahead of a strong cold front. Mesocyclones were noted with the storms in the Mohawk Valley and Lower Hudson Valley. Seven tornadoes

# Storm Data and Unusual Weather Phenomena

July 1992

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

## NEW YORK, Central Cont'd

occurred during the outbreak with a powerful microburst in the Cortland area. In Ephratah, straight-line winds severely damaged several mobile homes, sheds and garages. A small tornado in Johnstown downed trees in different directions, one of which fell on a pickup truck. In Richfield Springs, a tornado destroyed the Baker Beach picnic area uprooting trees, knocking down limbs and wires, and damaging boats as it moved out over the water of Canadarago Lake. Mobile homes in the area were also blown over or damaged. In Fishkill, a tornado touched down briefly at the BGB Trailer Park ripping down trees and causing extensive damage to many of the resident's mobile homes. In Stillwater, a small tornado damaged a home and mobile home along Blizzard Road as well as uprooting trees and downing power lines in the area. In Charlton, several homes sustained minor damage along Peaceable Street and Sweetman Road from a small tornado. While in Virgil a small tornado touched down on a farm picking up several 150 pound calf hutches tossing them 0.25 mile away. In Putnam County, straight-line winds up to 100 mph caused extensive damage to trees and power lines and some damage to homes in Patterson and Putnam Lake.

Numerous reports of large hail were also received with the bulk of the damage occurring in Oneida County. The hail caused extensive damage to vehicles, buildings and crops in Sylvan Beach, Oriskany, Westmoreland, Stanwix, Greenway, New London and Whitesboro. Damage estimates from hail alone were over \$20 million in Oneida County. Hail as large as tennis balls accumulated over a foot deep in Oriskany and hail was still on the ground 6 hours after it fell at the Oneida County Airport in Whitestown.

Greene County									
New Baltimore	14	1500EST			0	0	3	0	Thunderstorm Winds (G67)
Columbia County									
Valatie	14	1505EST			0	0	3	0	Thunderstorm Winds
Kinderhook	14	1515EST			0	0	4	0	Thunderstorm Winds
Chatham	14	1550EST			0	0	3	0	Thunderstorm Winds
Ghent	14	1550EST			0	0	3	0	Thunderstorm Winds
Austerlitz	14	1550EST			0	0	3	0	Thunderstorm Winds
E Chatham	14	1550EST			0	0	3	0	Thunderstorm Winds
Delaware County									
Walton	14	1550EST			0	0	4	0	Thunderstorm Winds
Broome County									
BGM	14	1559EST			0	0	4	0	Thunderstorm Winds (G64)
Tioga County									
Newark Valley	14	1600EST			0	0	0	0	Hail (0.75)
Delaware County									
De Lancey	14	1602EST			0	0	3	0	Thunderstorm Winds
Broome County									
BGM	14	1612EST			0	0	0	0	Thunderstorm Winds (G54)
Broome County									
4 SW Belden	14	1615EST	0.1	15	0	0	4	0	Tornado (F1)
Harpursville	14	1620EST			0	0	4	0	Thunderstorm Winds

A warm front moved into central New York on the afternoon of the 14th which resulted in severe thunderstorms across parts of eastern New York. Winds gusted to 64 knots at the Binghamton Regional Airport in the Town of Maine causing minor damage to the airport terminal building. A small tornado also occurred in Broome County near Belden which destroyed a large barn and uprooted several trees.

Putnam County									
Carmel	15	1426EST			0	0	0	0	Hail (1.75)
Putnam County	15	1510EST- 1631EST			0	0	4	0	Flash Flood
Orange County									
New Windsor	15	1520EST			0	0	4	0	Thunderstorm Winds
New Windsor	15	1528EST			0	0	0	0	Hail (1.50)
Newburgh	15	1528EST			0	0	0	0	Hail (1.50)
Dutchess County									
Fishkill	15	1530EST			0	0	0	0	Hail (1.50)
Putnam County									
Philipstown	15	1530EST			0	0	0	0	Hail (1.50)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEW YORK, Central Cont'd</b>									
Dutchess County 8 SE POU	15	1535EST			0	0	0	0	Hail (1.25)
Putnam County Carmel	15	1540EST			0	0	0	0	Hail (1.75)
Cold Spring	15	1540EST			0	0	0	0	Hail (1.50)
Orange County Port Jervis	15	1910EST- 2300EST			0	0	4	0	Urban Flood
A low pressure system moved along a stationary front draped along the New York-Pennsylvania state line resulting in severe thunderstorms across parts of southeastern New York. Hardest hit was the New Windsor area where numerous trees and wires were downed by thunderstorm winds. Over 7,000 customers were left without power in Orange, Putnam and Dutchess Counties. Hail as large as golf balls was also reported in Carmel in Putnam County. A flash flood occurred in Putnam County between Peekskill and Mahopac.									
Rensselaer County Schodack Center	19	1515EST			0	0	3	0	Thunderstorm Winds
Snyders Lake	19	1515EST			0	0	3	0	Thunderstorm Winds
Severe thunderstorms downed trees and powerlines in parts of Rensselaer County on the 19th. A tree also fell on a house in Schodack Center.									
Oneida County Boonville	20	1630EST			0	0	3	0	Thunderstorm Winds
Boonville	20	1635EST			0	0	0	0	Hail (1.75)
Severe thunderstorms downed two trees and dumped golf ball-size hail in Boonville on the 20th.									
Cortland County Cortland	29	1330EST- 1530EST			0	0	4	0	Urban Flood
Thunderstorms dumping over 1.00 inch of rain in an hour and flooded streets in Cortland as storm drains backed up.									
Otsego County Gilbertsville	29	1445EST			0	0	0	0	Hail (0.75)
Gilbertsville	29	1445EST			0	0	3	0	Thunderstorm Winds (G70)
Oneonta	29	1500EST			0	0	3	0	Thunderstorm Winds
Ulster County Albany County	29	1530EST			0	0	4	0	Thunderstorm Winds
Colonie	29	1530EST			0	0	0	0	Hail (0.88)
Colonie	29	1530EST			0	0	5	0	Thunderstorm Winds (G56)
Colonie	29	1530EST- 1600EST			0	0	3	0	Urban Flood
Albany	29	1535EST			0	0	4	0	Thunderstorm Winds
Rensselaer County Troy	29	1540EST- 1630EST			0	0	3	0	Urban Flood
North Greenbush	29	1545EST			0	0	3	0	Thunderstorm Winds
Schodack	29	1545EST			0	0	3	0	Thunderstorm Winds
Stephentown	29	1545EST			0	0	3	0	Thunderstorm Winds
Pittstown	29	1545EST			0	0	3	0	Thunderstorm Winds
Wynantskill	29	1600EST			0	0	3	0	Thunderstorm Winds
Dutchess County Poughkeepsie	29	1600EST			0	0	4	0	Thunderstorm Winds
Dutchess County	29	1630EST			0	0	4	0	Thunderstorm Winds
Dutchess County	29	1640EST			0	0	3	0	Thunderstorm Winds
Severe thunderstorms swept across eastern New York ahead of a strong cold front on the afternoon of the 29th. Hardest hit was the Capital District area where trees, power poles and wires were downed in the Colonie area. In all 5,000 to 6,000 customers were left without power in the Capital District during the storm. Rensselaer County was also hard hit with numerous trees down in North Greenbush, Schodack, Stepentown, Pittstown and Berlin.									

# Storm Data and Unusual Weather Phenomena

July 1992

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

## NEW YORK, Central Cont'd

Cortland County Cuyler	31	1615EST	0.5	60	0	0	4	0	Tornado (F1)
Dutchess County 2 N Pough- keepsie to 4 SW Millerton	31	1910EST- 1944EST	22.7	75	0	0	6	0	Tornado (F1)

Severe thunderstorms produced tornadoes in Cuyler in Cortland County and across northern and central portions of Dutchess County. The severe thunderstorms developed ahead of a warm front which moved into southern New York during the afternoon of the 31st. In Cuyler a small tornado touched down between Randall Hill and Cuyler Hill Roads knocking down over 200 trees. In Dutchess County a fairly large tornado cut a swath of destruction over 20 miles long by 75 yards wide through northern and central parts of the county. The tornado began along Corine Drive in the Town of Poughkeepsie and ended near Coleman Station in the Town of Northeast. The tornado skipped at least 4 times along a path almost 23 miles long destroying thousands of trees, downing hundreds of power lines and causing some damage to homes as well as destroying several barns. Hardest hit were the Salt Point Turnpike area in the Town of Poughkeepsie, West and Whiteford Roads in Pleasant Valley, and the Valley Farm and Stanford Road near Shunpike in the Town of Washington.

Areawide All Month 0 0 0 ? Cool and Wet

An unusually strong northwesterly flow of air predominated across eastern New York during much of July resulting in a cool and wet month across much of the area. Albany set a record for the coldest July with an average temperature of 67.7 degrees, which broke the previous record of 68.3 degrees set in 1860. Albany also had 4.26 inches of rain, which was 1.26 inches above the normal of 3.00 inches. Binghamton recorded the second coldest July with an average temperature of 65.6 degrees this was only one-tenth of a degree above the record set in 1956 and 1971. It was Binghamton's fifth wettest July on record with a total of 6.32 inches of rain. Rome set a record for the wettest July with 9.5 inches of rain, which broke the previous record of 7.5 inches set in 1947.

## NEW YORK, Coastal

Westchester County Baldwin Place	15	1426EST			0	0	0	0	Hail (1.75)
White Plains	15	1725EST			0	0	?	0	Thunderstorm Winds
Nassau County Oceanside	15	1725EST			0	0	?	0	Hail (1.75)
Richmond County	15	1830EST			0	0	?	0	Thunderstorm Winds
Kings County	15	1833EST			0	0	0	0	Thunderstorm Winds (G55)
Richmond, Queens Nassau and Kings Counties	15	1840EST- 1930EST			0	0	?	0	Flash Flood
Queens County Flushing Meadow	15	1849EST			0	0	0	0	Funnel Cloud
Howard Beach	15	1900EST			0	0	0	0	Funnel Cloud
Nassau County Manhasset Bay	15	1913EST			0	0	0	0	Funnel Cloud
Long Island Sound	15	1933EST			0	0	?	0	Lightning

Severe weather preceded and accompanied a cold front as it passed through southeastern New York. There were numerous reports of relatively small hail (0.50 inch in diameter) occurring with these thunderstorms. A couple of locations observed very large hail on the order of 1.50 inches. In Oceanside, this large hail damaged a greenhouse. Powerful winds downed numerous trees and power lines across the area. On Long Island Sound a boat struck by lightning was substantially damaged by fire. In addition, several reports of funnel clouds were received. At first it was thought that a couple of these may have touched the ground, but after examining the sites, this was not confirmed. Torrential rains accompanying these thunderstorms caused localized but substantial urban flooding in Richmond, Kings, Nassau and Queens Counties during the evening hours.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## NEW YORK, Western

Niagara County	05	0430EST			0	0	3	5	Hail (1.75)
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Thunderstorms produced hail up to the size of golf balls that damaged crops. Farms that were damaged the most were in the area of Cambria, Lewiston, and Ransomville. Damage was estimated to be thousands of dollars. Grapes were torn from their clusters and apples cut and bruised. These fruits, normally sold as fresh, had to be sold for processing at a reduced price. Vegetable crops were completely defoliated in some spots.

### Chautauqua County Fredonia

12	2035EST	4.0	25	0	0	6	0	Tornado (F2)
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A tornado touched down in Fredonia located in Chautauqua County. Significant damage occurred along a path from the southwestern corner of the village of Fredonia northeast across the center of the downtown area before lifting in the town of Sheridan. Damage to structures in the center of the village included roofs blown off a line of commercial buildings on Main Street, the roof and a large portion of the third floor of a brick warehouse destroyed on Water Street, and a nursery and greenhouse heavily damaged on Orchard and Prospect Streets. Several homes and trees were also damaged. Damage to trees and strewn debris continued northeast to the town of Sheridan to a farm on the northern end of Miller Road. Part of a roof was blown off a barn and trees were uprooted and snapped.

### Erie County Newstead Newstead

12	2110EST	0.5	20	0	0	2	0	Tornado (F1)
12	2110EST			0	0	5	0	Thunderstorm Winds

An isolated thunderstorm was accompanied by strong downburst winds and a small tornado. The primary damage consisted of two corn cribs tipped over and a tin roof torn off an adjacent building. One piece of tin was blown northeast across Route 5. Many large tree limbs were broken and blown off, and at least two trees were uprooted. The metal roof of a silo was ripped apart. Many plywood and metal folding tables were blown off of two hay wagons that were stored in an open air marketplace. The tables were thrown hundreds of feet north and northeast across the market area into a field. The remains of one table ended up in a tree. The majority of the damage indicated very strong thunderstorm downburst winds. A small area of downed and swirled grass in the field indicated that embedded in the larger high wind field was a small tornado.

### Steuben County Cameron

14	1630EST			0	0	4	0	Thunderstorm Winds
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An isolated thunderstorm produced strong winds which downed trees and tree limbs in Cameron. A couple of mobile homes sustained damage when trees fell on them. A house was also damaged when two large pine trees fell on it. Debris from overhanging trees littered several miles of Route 119.

### Cattaraugus County Franklinville

17	1700EST	0.5	20	0	0	4	0	Tornado (F1)
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An isolated thunderstorm spawned a small tornado in Franklinville, located in Cattaraugus County. The tornado shredded trees as it crossed several yards. At one point, the tornado lifted a gazebo over a house and carried it 100 feet away. Eyewitnesses reported hearing the sound of a train just before the damage occurred.

### Wayne County Marion Sodus

17	1900EST			0	0	4	4	Flash Flood
18	1900EST			0	0	4	4	Flash Flood

Thunderstorms crossed the area on two different days dumping heavy rains over already saturated grounds and swollen streams. Rainfall amounts exceeded six inches in two hours on the 17th. Three homes were severely damaged in Marion and Sodus due to basements being filled with water. Mudslides occurred in some places and the shoulders of roads were washed away. Thousands of dollars worth of potato and onion crops were also ruined.

### Chautauqua County Busti

18	1335EST			0	0	4	0	Thunderstorm Winds
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Thunderstorms crossed the area producing hail and strong winds. The thunderstorm winds downed power lines in the town of Busti.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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## NEW YORK, Western Cont'd

Niagara County	18	1730EST			0	0	4	0	Flash Flood
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Slow moving thunderstorms produced extremely heavy rains across parts of Niagara County. The rains falling on already saturated grounds caused significant flooding of low lying areas, small streams, and poor drainage areas.

Allegany County Angelica	20	1400EST			0	0	4	0	Thunderstorm Winds
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Thunderstorm winds downed trees at a camping ground in Angelica, located in Allegany County. The trees ranged in diameter from four to ten inches.

Oswego County Oswego	20	1455EST			0	0	4	0	Thunderstorm Winds (G55)
Oswego	20	1520EST			0	0	4	0	Thunderstorm Winds

Jefferson County Adams	20	1542EST			0	0	4	0	Hail (1.75)
Lewis County Talcottville	20	1640EST			0	0	4	0	Thunderstorm Winds

Thunderstorms rumbled across parts of the Eastern Lake Ontario counties producing damaging winds and large hail. Numerous trees and power lines were downed and scattered power outages were reported.

Cattaraugus County	20	1925EST			0	0	4	0	Flash Flood
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Showers and thunderstorms produced heavy rains across portions of the Western Southern Tier. The rain, falling on already saturated ground, caused flooding to occur. Several roads were covered with with water and a bridge was washed out.

Yates County Milo	29	1256EST			0	0	4	0	Thunderstorm Winds
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Thunderstorms accompanied a cold front which crossed western New York early in the afternoon. The thunderstorm winds uprooted trees and a large tree fell on a house in the town of Milo.

<b>NYZ002</b>									
Cayuga County	31	0900EST			0	0	4	0	Flood/Flash Flood
Yates County	31	0900EST			0	0	4	0	Flood/Flash Flood
Seneca County	31	0900EST			0	0	4	0	Flood/Flash Flood
<b>NYZ001</b>									
Erie County	31	1200EST			0	0	4	0	Flood/Flash Flood
Wyoming County	31	1200EST			0	0	4	0	Flood/Flash Flood

Up to 2.50 inches of rain fell overnight onto already saturated grounds and swollen streams and rivers. The Nest Brook Creek in the town of Fleming in Cayuga County exceeded its banks. The town of Moravia, also in Cayuga County, sustained street flooding. Alden, in Erie County, reported flooding problems in the business section of the town. At month's end, three locks along the Erie Canal had to be closed to traffic for a week because of the extremely high water.

Cayuga County Union Springs	31	1729EST			0	0	4	0	Thunderstorm Winds
Port Byron	31	1812EST			0	0	4	0	Thunderstorm Winds

Low pressure moved across western New York producing severe thunderstorms. The thunderstorm winds downed trees and power lines resulting in scattered power outages. In Port Byron, downed trees temporarily closed a portion of Route 38.

## NORTH CAROLINA

Brunswick County Ash	01	1830EST			0	0	3	0	Thunderstorm Winds
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Wind destroyed a storage shed in Ash.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NORTH CAROLINA Cont'd</b>									
Wake County Cary	01	1845EST			0	0	3	0	Lightning
									The lightning impact destroyed a chimney and blew a hole in a house roof.
Brunswick County Holden Beach	01	1853EST			0	0	0	0	Thunderstorm Winds (G50)
Randolph County 5 SE Asheboro	03	1615EST			0	0	0	0	Hail (0.75) Thunderstorm Winds
									Trees were blown down across Highway 42.
Cherokee County Andrews	03	1720EST			0	0	0	0	Thunderstorm Winds
Moore County 10 NW Carthage	03	1720EST			0	0	0	0	Thunderstorm Winds
Union County Fairview	03	1735EST			0	0	0	0	Hail (0.75)
Scotland County 14 N Laurinburg	03	1810EST			0	0	0	0	Hail (1.00)
Hoke County 4 E Raeford	03	1930EST			0	0	0	0	Thunderstorm Winds
Rockingham County 7 S Madison	03	1945EST			0	0	4	0	Thunderstorm Winds
									Several camping trailers sustained major damage at a Belews Lake campground.
Vance County Henderson	03	2130EST			0	0	4	0	Flash Flood
									Over three and half inches of rain in about 2 hours caused flash flooding of creeks onto highways. Two motorists had to be rescued after their vehicles stalled in fast-moving water. County-owned buildings, including a jailhouse, sustained damage.
Iredell County 5 SE Statesville	03	2150EST			0	0	0	0	Thunderstorm Winds (G62)
Rowan County Salisbury	03	2210EST			0	0	0	0	Hail (0.75)
Salisbury	03	2230EST			0	0	4	0	Thunderstorm Winds
									Trees were blown down and one landed on a house.
Carteret County Bogue Sound Near Bogue Inlet	04	1100EST	?	?	0	0	0	0	Waterspout
McDowell County Old Fort	05	2130EST			0	0	0	0	Thunderstorm Winds
Harnett County Near Duncan	05	2155EST			0	0	0	0	Hail (0.75)
Dare County Nags Head	06	1030EST	0.2	20	0	0	0	0	Waterspout Tornado (F0)
Nags Head	06	1030EST			0	0	4	0	Lightning
1 W Nags Head	06	1040EST	?	?	0	0	0	0	Waterspout
									Lightning struck and damaged several houses and businesses resulting in about \$5,000 of damage. The waterspouts and tornado did not cause any damage to property.
Pitt County 4 E Grifton	12	1313EST			0	0	3	0	Thunderstorm Winds
									Trees were blown down, one atop a mobile home.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NORTH CAROLINA Cont'd</b>									
Dare County Roanoke Sound 2 W Nags Head	12	1345EST			0	0	0	0	Hail (1.75)
									Golf ball-size hail pelted a boater.
Pasquotank County Weeksville	12	1630EST	0.2	20	0	0	3	0	Tornado (F0)
									A small tornado uprooted trees, downed power lines, and damaged a water plant building.
Craven County New Bern	17	1550EST			0	0	4	0	Thunderstorm Winds
									Wind damaged a greenhouse and blowing debris damaged cars.
Gaston County Bessemer City	18	1410EST			0	0	0	0	Hail (1.00)
Gastonia	18	1415EST			0	0	5	0	Thunderstorm Winds
									Thunderstorm Winds
									Wind caused heavy damage to apartment buildings, a restaurant, and automobiles. Several large trees were also blown down.
Mecklenburg County Northern	18	1519EST			0	0	0	0	Thunderstorm Winds
									Trees were blown down in several locations.
Rutherford County Cliffside	18	1535EST			0	0	5	0	Lightning
									Lightning and the resultant fire destroyed a rug factory, a \$50,000 loss.
Cabarrus County 2 W Kannapolis	18	1545EST			0	0	0	0	Thunderstorm Winds
Montgomery County Uwharrie	18	1645EST			0	0	3	0	Thunderstorm Winds
									Trees were blown down and a storage shed received \$1,500 damage.
Pasquotank County Weeksville	18	1645EST	0.2	20	0	0	3	0	Tornado (F0)
									A small twister damaged a home and a pickup truck.
Moore County Spies	18	1715EST			0	0	0	0	Hail (1.75)
Robbins	18	1720EST			0	0	0	0	Hail (1.75)
Currituck County Coinjock	18	1730EST			0	0	3	0	Thunderstorm Winds
									Trees were blown down and a storage shed damaged.
Pitt County 9 NE Greenville	18	1730EST			0	0	4	0	Thunderstorm Winds
									A garage roof was blown off, trees were blown down, and an above-ground swimming pool destroyed.
1 NW Greenville	18	1737EST			0	0	0	0	Thunderstorm Winds (G63)
Moore County Robbins	18	1757EST			0	0	0	0	Thunderstorm Winds
									Hail (1.75)
Greene County 7 W Snow Hill	18	1810EST			0	0	0	0	Thunderstorm Winds
									Hail (0.75)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NORTH CAROLINA Cont'd</b>									
Lenoir County Near Institute	18	1845EST			0	0	0	0	Thunderstorm Winds
Greene County Snow Hill	18	1855EST			0	0	0	0	Thunderstorm Winds Hail (0.75)
Wayne County 5 E Goldsboro	18	1900EST			0	0	4	0	Thunderstorm Winds Roofs were blown off barns, trees downed, and farm machinery overturned.
5 E Goldsboro	18	1900EST			0	2	0	0	Lightning Two people were struck and injured by lightning.
2 S Goldsboro	18	1915EST			0	0	4	0	Thunderstorm Winds A tree fell atop a mobile home and pickup truck, damaging both.
6 S Goldsboro	18	1930EST			0	0	4	4	Thunderstorm Winds Hail (0.50) Several storage sheds were destroyed. Wind and hail combined to cause crop damage to corn and tobacco.
Wayne County Southern Portion	18	2100EST			0	0	2	0	Flash Flood Five inches of rain in less than 6 hours flooded creeks, submerged highways, and damaged a business.
Wilson County Near Sims	18	2115EST			0	0	0	0	Thunderstorm Winds
New Hanover County Near Fort Fisher	20	1425EST	?	?	0	0	0	0	Waterspout
Catawba County 2 S Hickory	20	1830EST			0	0	0	0	Thunderstorm Winds
2 N Newton	20	1845EST			0	0	3	0	Thunderstorm Winds Numerous trees were blown down in both locations and a storage shed damaged near Newton.
Dare County Pamlico Sound 4 N Hatteras	21	0611EST	?	?	0	0	0	0	Waterspout
Carteret County Pamlico Sound Near Cedar Island	21	0720EST	?	?	0	0	0	0	Waterspout Several waterspouts were reported at both Pamlico Sound locations.
Carteret County 2 W Cedar Island	22	1025EST	?	?	0	0	0	0	Waterspout
Davidson County 8 NW Lexington	22	1723EST			0	0	0	0	Thunderstorm Winds
8 NW Lexington	22	1730EST			0	0	4	0	Lightning The lightning strike and resultant fire damaged a car repair business.
Lexington	22	1750EST			0	0	0	0	Thunderstorm Winds
Lexington	22	2250EST			0	0	4	0	Lightning Lightning caused \$40,000 damage to a house and car.
Richmond County Rockingham	23	1600EST			0	0	3	0	Lightning A lightning strike caused structural damage to a church steeple.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NORTH CAROLINA Cont'd</b>									
Wayne County Patetown	24	1635EST			0	0	3	0	Thunderstorm Winds
Trees and a tobacco barn were blown down.									
Carteret County Core Sound Near Williston	25	1313EST	?	?	0	0	0	0	Waterspout
Near Indian Beach	25	1400EST	?	?	0	0	0	0	Waterspout
Caldwell County Near Hudson	25	1400EST			0	0	0	0	Thunderstorm Winds
Harnett County Angier	26	1745EST			0	0	0	0	Hail (0.75)
Wake County 2 N Fuquay Varina	26	1805EST			0	0	0	0	Hail (1.50)
Sampson County 5 WSW Clinton	26	1900EST			0	0	0	0	Thunderstorm Winds
Lenoir County Kinston	26	1930EST			0	0	0	0	Thunderstorm Winds
Iredell County 2 N Statesville	27	1750EST			0	0	0	0	Hail (0.75)
Washington County Plymouth	27	2130EST			0	0	0	0	Thunderstorm Winds
Edgecombe County Near Battleboro	31	0245EST			0	0	0	0	Hail (0.75)
Alexander County 8 SW Taylorsville	31	1450EST			0	0	0	0	Thunderstorm Winds
<b>NORTH DAKOTA</b>									
Williams County 10 W Williston	01	1620CST			?	?	?	?	Funnel Cloud
A cold air funnel cloud was sighted 10 miles west of Williston.									
Bowman County 4 N Bowman Bowman	06	0112CST			0	0	0	0	Hail (1.00)
	06	0237CST			0	0	0	0	Hail (0.75)
Grant County Leith	07	1610CST			0	0	5	5	Hail (1.50)
10 S Raleigh	07	1620CST			0	0	5	5	Hail (1.50)
Hail damaged crops over a large area of southern Grant County.									
Mountrail County 30 E Williston	07	2003CST	**80	10	0	0	0	0	Tornado (F0)
Nelson County 2 S McVile	09	1310CST			0	0	6	6	Hail (1.75)
3 S Tolna	09	1310CST			0	0	5	5	Hail (2.00)
Aneta	09	1315CST			0	0	5	5	Hail (1.00)
Ramsey County Brocket	09	1325CST			0	0	5	5	Hail (1.00)
Nelson County 8 N Lakota	09	1330CST			0	0	6	6	Hail (1.00)
Whitman	09	1350CST			0	0	5	5	Hail (1.00)
The hail damaged a 3-mile-wide strip of cropland in northern Nelson County, from Brocket to Petersburg. The hailstorm lasted 40 minutes in some places. The hail also broke windows, damaged farm buildings and homes, and injured cattle.									
Griggs County 10 N Cooper- town	09	1403CST			0	0	5	5	Hail (1.75) Thunderstorm Winds (G61)

# Storm Data and Unusual Weather Phenomena

July 1992

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

## NORTH DAKOTA Cont'd

Wind and hail damage to crops was widespread over northern Griggs County.

Steele County Finley	09	1435CST			0	0	6	6	Hail (1.75)
Kidder County 35 E Bismarck	09	1523CST			?	?	?	?	Funnel Cloud
Cass County 8 N Casselton	09	1528CST			?	?	?	?	Funnel Cloud
2 N Argusville	09	1535CST	**80	10	0	0	0	0	Tornado (F0)
10 NNW Fargo	09	1555CST			?	?	?	?	Funnel Cloud
Burleigh County Moffit	09	1554CST			?	?	?	?	Funnel Cloud
Traill County Clifford	09	1553CST			0	0	6	6	Hail (1.00)
6 E Galesburg	09	1600CST			0	0	6	6	Hail (1.75)
Slope County 10 S Amidon	12	1125CST			?	?	?	?	Funnel Cloud
15 S Amidon	12	1125CST			?	?	?	?	Funnel Cloud
McKenzie County Charlson	12	1230CST			?	?	?	?	Funnel Cloud
Bowman County 20 S Rhame	12	1247CST			?	?	?	?	Funnel Cloud
Burleigh County 5 N Bismarck	12	1535CST			?	?	?	?	Funnel Cloud
5 SE Baldwin	12	1550CST			?	?	?	?	Funnel Cloud
Hettinger County 8 W Regent	12	1605CST			?	?	?	?	Funnel Cloud
Morton County 3 SW New Salem	12	2118CST			?	?	?	?	Funnel Cloud
Grand Forks County 10 SW Larimore	13	1050CST			?	?	?	?	Funnel Cloud
Nelson County 12 N Aneta	13	1050CST			?	?	?	?	Funnel Cloud

Numerous cold air funnel clouds were sighted over the western two-thirds of North Dakota during the afternoon and evening of the 12th, and in eastern North Dakota mid-day of the 13th.

Benson County St. Michael	14	1630CST			0	0	4	4	Hail (2.75)
Eddy County Hamar	14	1700CST			0	0	5	5	Thunderstorm Winds (G70)

Strong winds blew a 25,000-bushel steel grain bin and a nearby barn off of their foundations. The winds also uprooted trees in the town of Hamar.

Nelson County 3 NW Tolna	14	1700CST			0	0	4	4	Hail (2.50)
3 NW Tolna	14	1700CST			0	0	4	4	Thunderstorm Winds (G50)

Winds blew down trees at Stump Lake. Tennis ball-size hail also occurred with this storm.

McIntosh County 3 W Wishek	14	1745CST			0	0	4	4	Hail (2.00)
Mountrail County 5 S Coulee	14	1745CST			0	0	0	0	Hail (0.75)
Griggs County 7 N Cooperstown	14	1800CST			0	0	4	4	Hail (1.00)
Ward County Carpio	14	1815CST			0	0	4	4	Hail (1.00)
Carpio	14	1815CST			0	0	4	4	Thunderstorm Winds (G50)

Thunderstorm winds blew down trees and power lines, while hail broke windows.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## NORTH DAKOTA Cont'd

McHenry County Towner	14	1856CST			0	0	4	4	Hail (1.75)
Pierce County 7 SE Rugby	14	1925CST			0	0	5	5	Hail (1.75)
Steele County 10 ESE Coopers- town	14	1925CST			?	?	?	?	Funnel Cloud
Finley 7 W Hope	14	1957CST			0	0	5	5	Hail (1.75)
	14	2020CST			?	?	?	?	Funnel Cloud

In addition to the hail, 6.00 inches of rain fell at Finley during the night of the 14th. The rain caused flooding along the Goose and Sheyenne Rivers, and inundated roads and highways.

Leeds	14	1958CST			0	0	0	0	Hail (0.75)
Traill County Blanchard	14	2055CST			0	0	0	0	Hail (0.75)
Cass County 2 S Fargo	16	1448CST			?	?	?	?	Funnel Cloud
Barnes County Valley City	16	1550CST			?	?	?	?	Funnel Cloud
Walsh County Adams	16	1558CST			?	?	?	?	Funnel Cloud
Fairdale	16	1558CST			?	?	?	?	Funnel Cloud

Some cold air funnel clouds were sighted in eastern North Dakota the afternoon of the 16th.

Pembina County 3 E Cavalier	18	1400CST			0	2	4	4	Hail (1.75)
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Two men were injured by golf ball-size hail. The men were caught outside and had to take cover in the hub of a tractor.

Dickey County 10 SW LaMoure	18	1515CST			0	0	5	5	Hail (1.75)
LaMoure County Adrian	18	1530CST			0	0	4	4	Hail (1.50)
Stutsman County 4 W Montpelier	18	1530CST			0	0	5	5	Hail (1.75)
Dickey County 3 E Fullerton	18	1557CST			0	0	5	5	Hail (1.75)
	18	1622CST			0	0	5	5	Hail (1.75)
Grand Forks County 1 N Larimore	20	1720CST			0	0	4	4	Hail (0.75)
Barnes County Valley City	21	1335CST			?	?	?	?	Funnel Cloud
	21	1335CST			?	?	?	?	Funnel Cloud
Cass County 2 S Kindred	21	1335CST			?	?	?	?	Funnel Cloud
Ransom County Lisbon	21	1335CST			?	?	?	?	Funnel Cloud
Stutsman County 4 S Jamestown	21	1340CST			?	?	?	?	Funnel Cloud
Cass County 5 S Alice	21	1505CST			?	?	?	?	Funnel Cloud
	21	1505CST			?	?	?	?	Funnel Cloud

Cold air funnel clouds were sighted in southeastern North Dakota the afternoon of the 21st.

Pierce County 8 S Rugby	24	1820CST			0	0	4	4	Hail (1.75)
	24	1840CST			0	0	4	4	Hail (0.75)

# Storm Data and Unusual Weather Phenomena

July 1992

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

## NORTH DAKOTA Cont'd

Ward County Minot Air Force Base	24	1905CST			0	0	0	0	Hail (0.75)
Burke County 3 W Battleview	24	1940CST			0	0	4	4	Hail (0.75)
6 NE Battleview	24	2025CST			0	0	4	4	Hail (0.75)
McLean County Underwood	24	2000CST			0	0	4	4	Hail (1.75)
Turtle Lake	24	2015CST			0	0	4	4	Hail (0.75)

Hail severely damaged crops in the Underwood, Coleharbor, and Turtle Lake areas of McLean County.

Mercer County 10 NE Hazen	24	2000CST			0	0	4	4	Hail (1.75)
Adams County 17 N Hettinger	24	2202CST			0	0	4	4	Hail (1.75)
13 S Mott	24	2235CST			0	0	4	4	Thunderstorm Winds (G56)
Grant County 14 NW Elgin	24	2300CST			0	0	0	0	Hail (0.75)
Wells County 5 E Fessenden	25	0300CST			0	0	5	5	Hail (1.00)
Eddy County 5 W New Rockford	25	0315CST			0	0	4	4	Hail (0.75)

Hail broke windows and damaged crops in a 6-mile-wide swath, along a section of Wells and Eddy Counties.

Sheridan County 9 WNW McClusky	30	2100CST			0	2	0	0	Lightning
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A man and his son were injured by lightning. They were outside working on farm equipment when the lightning struck nearby.

## OHIO

Shelby County 10 NE Sydney	02	1925EST			0	1	3	0	Thunderstorm Winds Lightning
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A thunderstorm damaged a barn and a young girl was struck by lightning.

Fulton County 6 SW Lyons	04	2307EST	Short	10	0	0	0	0	Tornado (F0)
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A tornado touched down briefly in an open field.

Coshocton County Tuscarawas County Newcomerstown	05	1425EST			0	0	4	0	Thunderstorm Winds
	05	1445EST			0	0	4	0	Thunderstorm Winds

Thunderstorms downed trees in Newcomerstown.

Fairfield County	05	2030EST			0	0	4	0	Thunderstorm Winds
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A thunderstorm downed trees and utility lines.

Preble County Southern Portion	09	0220EST			0	0	4	0	Thunderstorm Winds
Butler County Northern Portion	09	0225EST			0	0	4	0	Thunderstorm Winds
Warren County Franklin	09	0305EST			0	0	4	0	Thunderstorm Winds

Thunderstorms downed trees and utility lines.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
Hamilton County Cincinnati	09	2300EST			0	0	3	0	Thunderstorm Winds
Clermont County Bethel	09	2342EST			0	0	3	0	Thunderstorm Winds
Butler County Oxford	10	0001EST			0	0	3	0	Thunderstorm Winds
Thunderstorms downed trees and utility lines.									
Madison County 6 NW London	10	1245EST			0	0	4	0	Thunderstorm Winds
Franklin County Northern Portion	10	1310EST			0	0	4	0	Thunderstorm Winds
Licking County	10	1330EST			0	0	4	0	Thunderstorm Winds
Muskingum County Southern Portion	10	1345EST			0	0	4	0	Thunderstorm Winds
Medina County 3 NW Medina	10	1353EST			0	0	2	0	Hail (0.75)
Summit County Akron	10	1416EST			0	0	4	0	Thunderstorm Winds Hail (1.00)
Wayne County	10	1420EST			0	0	5	4	Thunderstorm Winds
Stark County	10	1430EST			0	0	4	0	Thunderstorm Winds
Perry County Crooksville	10	1440EST			0	0	4	0	Thunderstorm Winds
Portage County Kent	10	1525EST			0	0	4	0	Thunderstorm Winds
Huron County Norwalk	10	1620EST			0	0	4	0	Thunderstorm Winds
Warren County 1 E Lebanon	10	1620EST			0	0	3	0	Thunderstorm Winds
Noble County Southern Portion	10	1630EST			0	0	5	0	Thunderstorm Winds
Clinton County Blanchester	10	1650EST			0	0	3	0	Thunderstorm Winds
Union County Marysville	10	1728EST			0	0	4	?	Thunderstorm Winds
Cuyahoga County Strongsville	10	1740EST			0	0	5	0	Thunderstorm Winds
Lorain County N Ridgeville	10	1755EST			0	0	3	0	Thunderstorm Winds
Ashland County Loudonville	10	1800EST			0	0	4	0	Thunderstorm Winds
Delaware County Northern Portion	10	1800EST			0	0	4	?	Thunderstorm Winds
Richland County Butler	10	1815EST			0	0	5	?	Thunderstorm Winds
Muskingum County Zanesville	10	1830EST			0	0	4	?	Thunderstorm Winds
Mahoning County Canfield	10	1830EST			0	0	3	?	Thunderstorm Winds
Muskingum County 5 NW Zanesville	10	1900EST			0	0	4	0	Thunderstorm Winds
Ross County Bainbridge	10	1955EST			0	0	4	?	Thunderstorm Winds
Athens County Athens	10	2005EST			0	0	4	?	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
<b>Lawrence County Center Station</b>	10	2145EST			0	0	4	0	Thunderstorm Winds
	Thunderstorms destroyed numerous trees and utility lines. Crops were destroyed and many roofs were damaged in Delaware County.								
<b>Gallia County Addison</b>	11	1635EST			0	0	4	0	Thunderstorm Winds
<b>Clermont County Bethel</b>	11	1650EST			0	0	4	0	Thunderstorm Winds
<b>Scioto County 1 E Wheelers- burg</b>	11	1835EST			0	0	3	0	Thunderstorm Winds
	Thunderstorms caused considerable damage to trees, utility lines, and structures.								
<b>William County West Unity</b>	12	1535EST			0	0	4	0	Thunderstorm Winds
	A thunderstorm downed trees and power lines.								
<b>Fulton County 1 W Pettisville</b>	12	1550EST	2.0	150	0	8	6	0	Tornado (F2)
	A tornado damaged 24 buildings including an apartment complex.								
<b>Lucas County Toledo Airport</b>	12	1616EST			0	0	4	0	Thunderstorm Winds Hail (1.25)
<b>Lucas and Wood Counties Whitehouse to 3 S Perrysburg</b>	12	1625EST- 1645EST	7.0	200	0	1	6	0	Tornado (F2)
	A tornado touched down near Whitehouse, passed just north of Waterville, and lifted south of Perrysburg. Numerous structures were damaged, and a high school in Whitehouse was almost destroyed.								
<b>Wood County 1 S Perrysburg</b>	12	1645EST Short		150	0	5	5	0	Tornado (F2)
	A tornado destroyed two houses.								
<b>Wood County Bowling Green</b>	12	1645EST	1.0	100	0	5	4	0	Tornado (F2)
	A tornado picked up a tractor-semitrailer and dropped it on a van.								
<b>Logan County</b>	12	1700EST- 13 0410EST			0	0	6	5	Flash Flood
<b>Henry County 2 W Napoleon</b>	12	1705EST	3.0	75	0	1	4	0	Tornado (F1)
	A tornado blew the roof off of a home. Tree and utility line damage occurred.								
<b>Ottawa County Genoa to 3 NE RockyRidge</b>	12	1715EST	10.0	150	0	0	6	0	Tornado (F2)
	A tornado destroyed a house in Genoa and damaged several other buildings.								
<b>Ottawa County Genoa</b>	12	1715EST			0	1	0	0	Lightning
<b>7 N Oak Harbor</b>	12	1728EST	Short	20	0	0	0	0	Tornado (F0)
	A tornado briefly touched down.								

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
<b>Sandusky County</b> Woodville to 1 N Fremont	12	1730EST	11.0	100	0	3	5	0	Tornado (F1)
A tornado damaged homes in Woodville and Lindsey, but did little damage to the rest of its path.									
<b>VanWert County</b> Wilshire	12	1755EST	Short	40	0	0	5	?	Tornado (F1)
A tornado destroyed some outbuildings around a farm.									
<b>Mercer County</b> Rockford	12	1805EST			0	0	5	?	Thunderstorm Winds
<b>Wood County</b> Bowling Green	12	1808EST-			0	0	4	0	Flash Flood
<b>Ottawa County</b> Port Clinton	12	2115EST			0	0	4	0	Flash Flood
<b>Sandusky County</b> Fremont	12	1808EST-			0	0	4	0	Flash Flood
<b>Mercer County</b> 12 NW Celina	12	2115EST			0	0	4	0	Flash Flood
	12	1820EST	3.0	75	0	0	5	?	Tornado (F2)
A tornado destroyed a barn and a mobile home.									
<b>Erie County</b> Sandusky	12	1830EST	2.0	400	0	0	6	0	Tornado (F2)
A tornado destroyed ten homes and heavily damaged several others.									
<b>Erie County</b> Sandusky	12	1830EST-			0	0	4	0	Flash Flood
<b>Mercer County</b> Celina	12	2200EST			0	0	5	0	Flash Flood
	12	1830EST	Short	75	0	0	5	0	Tornado (F1)
A tornado blew the roofs off of two buildings and destroyed many trees.									
<b>Lorain County</b> Elyria	12	1830EST-			0	0	4	0	Flash Flood
<b>Auglaize County</b> St. Marys to 5 E St. Marys	12	2200EST			0	0	4	0	Flash Flood
	12	1835EST-			0	0	4	0	Flash Flood
	12	1845EST	5.0	75	0	3	6	?	Tornado (F1)
A tornado touched down in St. Marys and moved east, destroying several buildings.									
<b>Lorain County</b> Amherst	12	1905EST	2.0	200	0	0	6	0	Tornado (F1)
A tornado damaged many homes and a high school.									
<b>Auglaize County</b> Wapakoneta	12	1915EST	Short	50	0	1	5	0	Tornado (F1)
A tornado damaged several small buildings.									
<b>Lorain County</b> N Ridgeville	12	1929EST	Short	200	0	0	5	0	Tornado (F1)
A tornado severely damaged one home and caused minor damage to several other homes.									
<b>Geauga County</b> Hampden	12	1930EST			0	1	0	0	Lightning
<b>Cuyahoga County</b> Cleveland Airport	12	1942EST	1.0	100	0	0	5	0	Tornado (F0)
A tornado destroyed a mobile home, several antennas, and some trees.									
<b>Hardin County</b> Kenton	12	1945EST	Short	40	0	0	0	0	Tornado (F0)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
OHIO Cont'd									
A tornado briefly touched down.									
Logan County Bellevue	12	1950EST			0	0	5	0	Thunderstorm Winds
Lorain County LaGrange	12	1950EST	2.0	200	0	3	6	0	Tornado (F2)
LaGrange	12	1950EST	1.8	70	0	2	6	0	Tornado (F0)
Parallel tornadoes touched down. The F2 tornado destroyed eight houses and heavily damaged several others.									
Cuyahoga County	12	2000EST- 2300EST			0	0	5	0	Flash Flood
Huron County 6 NNE New London	12	2000EST	0.5	100	0	0	4	0	Tornado (F2)
The roof was blown off of a barn.									
Medina County 8 NW to 5 N Medina	12	2000EST- 2015EST	7.0	300	0	4	6	0	Tornado (F3)
A tornado destroyed 30 homes.									
Medina County Medina	12	2000EST- 2300EST			0	0	5	0	Flash Flood
Marion County Greencamp	12	2010EST			0	0	4	0	Thunderstorm Winds
Geauga County 3 SW Auburn Center	12	2020EST	1.0	75	0	0	4	0	Tornado (F1)
A tornado caused damage to trees and utility lines. No damage occurred to structures.									
Summit County NW Cuyahoga Falls to Stow	12	2022EST- 2045EST	8.0	100	0	0	6	?	Tornado (F3)
A tornado heavily damaged an industrial park in Cuyahoga Falls, and caused less damage to the rest of its path.									
Medina County 1 S to 4 E Brunswick	12	2030EST	5.0	150	0	0	5	0	Tornado (F0)
A tornado destroyed many trees and power lines.									
Geauga County Chardon	12	2100EST- 2359EST			0	0	5	0	Flash Flood
Portage County Shalersville	12	2116EST			0	0	5	0	Thunderstorm Winds
8 SE Kent	12	2120EST	1.0	100	0	0	5	0	Tornado (F2)
A tornado damaged several buildings and destroyed many trees.									
Summit County Bath	12	2122EST			0	0	5	0	Thunderstorm Winds
Portage County Kent	12	2142EST	Short	75	0	0	4	0	Tornado (F1)
A tornado caused relatively minor damage except to trees.									
Morrow County Marengo	12	2201EST	Short	75	0	0	4	0	Tornado (F1)
A tornado damaged a house, two cars, and several trees.									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
Mahoning County 3 E Youngstown	12	2220EST			0	0	5	0	Thunderstorm Winds
Allen County	12	2330EST-							
	13	0100EST			0	0	5	5	Flash Flood
Auglaize County	12	2330EST-							
	13	0100EST			0	0	5	5	Flash Flood
Hardin County	12	2330EST-							
	13	0100EST			0	0	5	4	Flash Flood
Mercer County	12	2330EST-							
	13	0100EST			0	0	5	4	Flash Flood
Shelby County	12	2330EST-							
	13	0100EST			0	0	5	4	Flash Flood
Van Wert County	12	2330EST-							
	13	0100EST			0	0	4	4	Flash Flood
Madison County Plain City	13	0100EST-							
		0900EST			0	0	6	5	Flash Flood
Fairfield County Pickerington	13	0100EST-							
		0430EST			0	0	5	0	Flash Flood
Franklin County Columbus	13	0100EST			0	0	5	0	Thunderstorm Winds
Fairfield County Lancaster	13	0130EST			0	0	4	0	Thunderstorm Winds
Muskingum County Zanesville	13	0145EST			0	0	4	?	Thunderstorm Winds
Perry County New Lexington	13	0150EST			0	0	4	0	Thunderstorm Winds
Delaware County	13	0213EST-							
		0800EST			0	0	5	4	Flash Flood
Fairfield County	13	0213EST-							
		0800EST			0	0	5	4	Flash Flood
Franklin County	13	0213EST-							
		0800EST			0	0	5	4	Flash Flood
Licking County	13	0213EST-							
		0800EST			0	0	5	4	Flash Flood
Morgan County	13	0213EST-							
		0800EST			0	0	5	4	Flash Flood
Muskingum County	13	0213EST-							
		0800EST			0	0	5	4	Flash Flood
Perry County	13	0213EST-							
		0800EST			0	0	5	4	Flash Flood
Madison County	13	0348EST-							
		0745EST			0	0	5	4	Flash Flood
Pickaway County	13	0348EST-							
		0745EST			0	0	5	4	Flash Flood
Union County	13	0348EST-							
		0745EST			0	0	5	4	Flash Flood
Shelby County	13	0406EST-							
		0800EST			0	0	4	3	Flash Flood
Logan County	13	0445EST-							
		0630EST			0	0	6	5	Flash Flood
Auglaize County	13	0515EST-							
		0700EST			0	0	5	4	Flash Flood

An immensely destructive outbreak of thunderstorms from the afternoon of the 12th to the early morning of the 13th started out by spawning a large number of tornadoes. The storms also produced straight line winds, which caused much damage to trees and various structures, as well as large hail and much lightning. As the storms evolved, they began to produce prolonged heavy rains that led to very widespread and severe urban and small stream flooding.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
Athens County	13	1305EST- 1600EST			0	0	4	4	Flash Flood
Hocking County	13	1305EST- 1600EST			0	0	4	4	Flash Flood
Madison County London	13	1500EST			0	0	4	0	Thunderstorm Winds
Williams County Edgerton	13	1500EST			0	0	5	0	Thunderstorm Winds
Defiance County Ayresville	13	1535EST			0	0	2	0	Hail (0.75)
Putnam County Continental	13	1544EST			0	0	3	0	Thunderstorm Winds
Seneca County New Riegel	13	1624EST			0	0	2	0	Hail (0.75)
Seneca County New Riegel to Bloomville	13 13	1632EST- 1653EST	16.0	100	0	0	5	0	Tornado (F2)
A tornado damaged one house severely, but otherwise caused relatively minor damage.									
Hancock County Findlay	13	1640EST			0	0	4	0	Thunderstorm Winds Lightning
Wyandot County Sycamore	13	1700EST			0	0	3	0	Thunderstorm Winds
Crawford County 4 WSW Chatfield	13	1700EST	Short	50	0	0	5	0	Tornado (F1)
A home and several farm buildings were destroyed by a tornado.									
Seneca County Attica	13	1706EST			0	0	2	0	Hail (0.75)
Richland County 5 N Mansfield	13	1815EST	Short	50	0	0	0	0	Tornado (F0)
A tornado briefly touched down.									
Ashland County 2 E Ashland	13	1820EST	Short	40	0	0	0	0	Tornado (F0)
A tornado briefly touched down 2 miles east of Ashland.									
Richland County Ontario	13	1822EST	Short	75	0	0	5	0	Tornado (F1)
A tornado damaged a press box as it briefly touched down.									
Columbiana County Salineville to 6 E Salineville	13	1830EST	6.0	40	0	0	3	0	Tornado (F0)
A tornado caused large amounts of tree damage, but otherwise only minor damage occurred.									
Lorain County 4 NE Grafton	13	1830EST			0	3	0	0	Lightning
Marion County LaRue	13 19	1900EST- 0600EST			0	0	2	3	Flood
The Scioto River began to flood when the river crested at a stage of 12.6 feet at 1000 EST on July 16th. The flood stage at LaRue is 11 feet.									
Ashland County Loudonville	13	1911EST	Short	75	0	0	4	0	Tornado (F0)
A tornado damaged a roof in Loudonville.									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
Ashland County Paradise Hills	13	1915EST			0	0	3	4	Hail (1.00)
Lake County Painesville	13	1939EST			0	0	4	0	Thunderstorm Winds
Ashtabula County Ashtabula	13	1942EST- 2200EST			0	0	4	0	Flash Flood
Lake County Painesville	13	1942EST- 2200EST			0	0	4	0	Flash Flood
Ashtabula County Dorset	13	2007EST			0	0	3	0	Thunderstorm Winds
Carroll County Magnolia	13	2030EST			0	0	4	0	Thunderstorm Winds
Trumbull County Cortland to 10 E Cortland	13	2035EST	10.0	75	0	0	4	0	Tornado (F0)
A tornado damaged trees and utility lines.									
Stark County 5 E Hartville	13	2137EST			0	1	2	0	Lightning
Medina County Westfield Center	13	2140EST			0	0	4	0	Thunderstorm Winds
Mahoning County Youngstown	13	2145EST			0	0	4	0	Thunderstorm Winds
Stark County North Canton	13	2227EST			0	1	0	0	Lightning
Portage County	13	2244EST- 0345EST			0	0	4	0	Flash Flood
Summit County	13	2244EST- 0345EST			0	0	4	0	Flash Flood
Thunderstorms during the afternoon and evening of the July 13th produced a number of tornadoes. The thunderstorms also resulted in tree damage, brought large hail and lightning, and produced enough rain to cause urban and small stream flooding in some areas.									
Pickaway County Circleville	14	0800EST- 16 1800EST			0	0	2	3	Flood
The Scioto River flooded. The river crested at a stage of 16.1 feet at 0300 EST on July 15th. Flood stage is 14 feet at Circleville.									
Williams County Western and Eastern Portion	14	1547EST- 14 1600EST			0	0	5	4	Thunderstorm Winds
Hancock County 6 SSW to 4 SE Findlay	14	1615EST- 1630EST	5.0	150	0	0	5	0	Tornado (F1)
A tornado damaged four houses and two barns.									
Williams County Edgerton	14	1620EST			0	0	4	0	Thunderstorm Winds
Fulton County Metamora	14	1625EST	Short	75	0	0	4	0	Tornado (F1)
A tornado damaged several houses and tossed a car into a pole.									
Paulding County	14	1625EST			0	0	5	0	Thunderstorm Winds
Lucas County Central and South-Central Portion	14	1625EST			0	0	5	0	Thunderstorm Winds
Henry County Hamler	14	1640EST			0	0	4	0	Thunderstorm Winds

## Storm Data and Unusual Weather Phenomena

July 1992

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					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
Wood County Walbridge	14	1655EST			0	0	4	0	Thunderstorm Winds
Van Wert County	14	1702EST- 2100EST			0	0	4	0	Flash Flood
Putnam County Columbus Grove	14	1710EST			0	0	3	0	Thunderstorm Winds
Ottawa County 5 NE Oak Harbor	14	1720EST			0	0	3	0	Thunderstorm Winds
Paulding County Antwerp	14	1725EST			0	0	5	0	Thunderstorm Winds
Sandusky County Lindsey	14	1730EST			0	0	4	0	Thunderstorm Winds
Seneca County 2 W Bloomville	14	1759EST			0	0	3	0	Thunderstorm Winds
Darke County Greenville	14	1805EST			0	0	4	0	Thunderstorm Winds
Shelby County Sidney	14	1810EST			0	0	4	0	Thunderstorm Winds
Lorain County	14	1820EST			0	0	6	0	Thunderstorm Winds
Cuyahoga County	14	1824EST			0	1	6	0	Thunderstorm Winds
Huron County Norwalk	14	1830EST			0	0	4	0	Thunderstorm Winds
Lorain County Avon Lake	14	1900EST			0	1	5	0	Thunderstorm Winds
Preble County Eaton	14	1900EST			0	0	4	0	Thunderstorm Winds
Hamilton County Cincinnati	14	1907EST			0	0	3	0	Thunderstorm Winds
Champaign County Urbana	14	1915EST			0	0	4	0	Thunderstorm Winds
Cuyahoga County Cleveland	14	1915EST			0	0	5	0	Thunderstorm Winds
Montgomery County	14	1915EST			0	0	6	0	Thunderstorm Winds
Geauga County	14	1916EST			0	0	6	0	Thunderstorm Winds
Marion County 10 S Marion	14	1920EST			0	0	4	0	Thunderstorm Winds
Morrow County Mt. Gilead	14	1920EST			0	0	4	0	Thunderstorm Winds
Butler County Eastern Portion	14	1926EST			0	0	4	0	Thunderstorm Winds
Madison County Litchfield	14	1925EST			0	0	5	0	Thunderstorm Winds
Marion County Marion	14	1930EST			0	0	3	0	Thunderstorm Winds
Montgomery County Trotwood	14	1930EST			0	0	6	0	Thunderstorm Winds
Union County Arnold	14	1930EST			0	0	3	0	Thunderstorm Winds
Lake County Kirtland Hills	14	1932EST			0	0	5	0	Thunderstorm Winds
Ashtabula County Orwell	14	1945EST			0	0	5	0	Thunderstorm Winds
Geauga County Newbury to 7 E Newbury	14	1945EST	7.0	50	0	0	5	0	Tornado (F0)
A tornado damaged the roofs on two buildings and overturned two vehicles.									
Geauga County Chagrin Falls	14	1945EST			0	0	4	0	Thunderstorm Winds
Hamilton County	14	2000EST			0	0	3	0	Thunderstorm Winds

## Storm Data and Unusual Weather Phenomena

July 1992

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					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
<b>Trumbull County</b> Kinsman	14	2000EST	Short	50	0	0	3	0	Tornado (F0)
A tornado briefly touched down, mainly causing tree damage.									
<b>Butler County</b> Hamilton	14	2010EST			0	0	4	0	Thunderstorm Winds
<b>Delaware County</b> Delaware	14	2015EST			0	0	3	0	Thunderstorm Winds
<b>Warren County</b> Lebanon	14	2020EST			0	0	3	0	Thunderstorm Winds
<b>Madison County</b> Plain City	14	2028EST			0	0	4	0	Thunderstorm Winds
<b>Countywide</b>	14	2035EST- 2330EST			0	0	4	4	Flash Flood
<b>Union County</b>	14	2035EST- 2330EST			0	0	4	4	Flash Flood
<b>Clinton County</b> Wilmington	14	2040EST			0	0	3	0	Thunderstorm Winds
<b>Franklin County</b> Gahanna	14	2100EST			0	0	5	0	Thunderstorm Winds
<b>Licking County</b> Newark	14	2115EST			0	0	4	0	Thunderstorm Winds
<b>Butler County</b>	14	2317EST-			0	0	4	0	Flash Flood
	15	0300EST			0	0	4	0	Flash Flood
<b>Stark County</b> Louisville	14	2200EST			0	1	2	0	Lightning
Thunderstorms occurring on the afternoon and evening of the July 14th caused enormous amounts of damage from straight line winds. Gusts to about 78 knots were observed in Lorain County. Approximately 50,000 people lost power in Cuyahoga County. An arena's roof was blown off in Montgomery County. In many other spots, there was significant roof and structural damage. The same storms also spawned a series of relatively minor tornadoes, injured people by lightning, and brought enough rain to cause localized flooding of streets and low lying areas.									
<b>Hancock County</b> Findlay	15	1030EST-							
	16	1300EST			0	0	3	0	Flood
The Blanchard River went above the flood stage of 10 feet. The river crested at a stage of 11.3 feet at 2300 EST on July 15th.									
<b>Marion County</b> Prospect	15	1900EST-							
	23	1700EST			0	0	4	4	Flood
The Scioto River went above the flood stage of 9 feet. The river crested at 12.4 feet at 2200 EST on July 17th.									
<b>Lucas County</b> Waterville	16	0900EST-							
	17	0700EST			0	0	2	0	Flood
The Maumee River went above the flood stage of 9 feet and crested at 9.4 feet at 2100 EST on July 16th.									
<b>Darke County</b> Arcanum	16	1346EST			0	0	4	0	Thunderstorm Winds
<b>Greene County</b> 10 NW Xenia	16	1417EST			0	0	3	0	Thunderstorm Winds
<b>Clark County</b> Springfield	16	1500EST			0	0	5	0	Thunderstorm Winds
<b>Logan County</b>	16	1520EST			0	0	5	0	Hail (0.75) Thunderstorm Winds
<b>Champaign County</b> 5 W Mingo	16	1525EST			0	0	0	0	Hail (1.00)

## Storm Data and Unusual Weather Phenomena

July 1992

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					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
Logan County 7 E Bellefontaine	16	1532EST	Short 50		0	0	4	0	Tornado (F0)
A tornado blew the roof off a barn 7 miles east of Bellefontaine.									
Madison County London	16	1540EST			0	0	3	0	Thunderstorm Winds
Hancock County	16	1553EST- 1900EST			0	0	4	0	Flash Flood
Delaware County	16	1559EST- 1700EST			0	0	4	0	Flash Flood
Franklin County	16	1559EST- 1700EST			0	0	4	0	Flash Flood
Marion County	16	1559EST- 1700EST			0	0	4	0	Flash Flood
Madison County Plain City	16	1600EST			0	0	3	0	Thunderstorm Winds
Union County Marysville	16	1600EST			0	0	3	0	Thunderstorm Winds
Delaware County Powell	16	1605EST			0	0	3	0	Thunderstorm Winds
Hamilton County Monfort Heights	16	1615EST			0	0	4	0	Thunderstorm Winds
Franklin County Columbus	16	1620EST			0	0	3	0	Thunderstorm Winds
Clark County	16	1624EST- 1930EST			0	0	4	0	Flash Flood
Marion County Marion	16	1630EST			0	0	3	0	Thunderstorm Winds
Butler County Hamilton	16	1645EST			0	1	0	0	Lightning
Fairfield County Pickerington	16	1650EST			0	0	4	0	Thunderstorm Winds
Madison County	16	1659EST- 1900EST			0	0	4	0	Flash Flood
Franklin County	16	1659EST- 1900EST			0	0	4	0	Flash Flood
Clark County	16	1700EST- 1830EST			0	0	5	4	Flash Flood
Greene County	16	1700EST- 2000EST			0	0	4	0	Flash Flood
Montgomery County	16	1700EST- 2000EST			0	0	4	0	Flash Flood
Montgomery County Kettering	16	1715EST			0	0	5	0	Thunderstorm Winds
Erie County	16	1721EST- 1930EST			0	0	4	0	Flash Flood
Huron County	16	1721EST- 1930EST			0	0	4	0	Flash Flood
Licking County Pataskala	16	1725EST			0	0	3	0	Thunderstorm Winds
Montgomery County Kettering	16	1725EST- 1900EST			0	0	4	0	Flash Flood
Franklin County Columbus	16	1801EST			0	0	3	0	Thunderstorm Winds
Fairfield County Lancaster	16	1822EST			0	0	4	0	Thunderstorm Winds
Licking County Buckeye Lake	16	1827EST			0	0	3	0	Thunderstorm Winds
Perry County Thornville	16	1840EST			0	0	3	0	Thunderstorm Winds

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
Fairfield County	16	1900EST- 2200EST			0	0	4	0	Flash Flood
Franklin County	16	1900EST- 2200EST			0	0	4	0	Flash Flood
Hocking County									
Logan	16	1910EST			0	0	3	0	Thunderstorm Winds
Champaign County	16	1930EST- 2300EST			0	0	5	4	Flash Flood
Putnam County									
Ottawa	16 20	2100EST- 0700EST			0	0	3	0	Flood
The Blanchard River went above the flood stage of 15 feet. The river crested at 17.9 feet at 2100 EST on July 18th.									
Darke County	16 17	2119EST- 0115EST			0	0	4	0	Flash Flood
Mercer County	16 17	2119EST- 0115EST			0	0	4	0	Flash Flood
Shelby County	16 17	2119EST- 0115EST			0	0	4	0	Flash Flood
Auglaize County									
Minster	16 17	2151EST- 0130EST			0	0	4	0	Flash Flood
Logan County									
Russells Point	16 17	2151EST- 0400EST			0	0	6	5	Flash Flood
Mercer County									
Celina	16 16	2230EST- 2330EST			0	0	5	0	Flash Flood
Hancock County	16 17	2352EST- 1345EST			0	0	4	0	Flash Flood
Putnam County	16 17	2352EST- 0145EST			0	0	4	0	Flash Flood
Wyandot County	16 17	2352EST- 0345EST			0	0	4	0	Flash Flood
Seneca County	16 17	2352EST- 0345EST			0	0	4	0	Flash Flood
Ashland County	17	0006EST- 0300EST			0	0	4	0	Flash Flood
Crawford County	17	0006EST- 0300EST			0	0	4	0	Flash Flood
Knox County	17	0006EST- 0300EST			0	0	4	0	Flash Flood
Morrow County	17	0006EST- 0300EST			0	0	4	0	Flash Flood
Richland County	17	0006EST- 0300EST			0	0	4	0	Flash Flood
Hancock County									
Findlay	17 18	0500EST- 0030EST			0	0	2	0	Flood
The Blanchard River went above the flood stage of 10 feet. The river crested at 11.4 feet at 1300 EST on July 17th.									
Butler County									
Okeanna	17	0530EST- 0900EST			0	0	5	0	Flash Flood
Montgomery County									
Dayton	17	0630EST- 0930EST			0	0	5	0	Flash Flood
Hancock County	17	0748EST- 1245EST			0	0	4	0	Flash Flood

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
Pickaway County Circleville	17 20	1000EST- 1130EST			0	0	3	0	Flood
The Scioto River went above the flood stage of 14 feet. The river crested at a stage of 17.6 feet at 0400 EST on July 19th.									
Seneca County	17	1111EST- 1615EST			0	0	4	0	Flash Flood
Ashtabula County	17	1245EST- 1715EST			0	0	4	0	Flash Flood
Cuyahoga County	17	1245EST- 1645EST			0	0	4	0	Flash Flood
Geauga County	17	1245EST- 1645EST			0	0	4	0	Flash Flood
Hamilton County Miami town	17	1500EST- 2000EST			0	0	2	0	Flood
The Miami River went above the flood stage of 16 feet. The river crested at 16.4 feet at 1700 EST.									
Licking County	17	1608EST- 1815EST			0	0	4	0	Flash Flood
Thunderstorms from July 16th into July 17th brought high winds, a few tornadoes, and widespread heavy rain. In most individual locations flooding was not severe, but cumulative damage was extensive.									
Huron County Milan	17 18	1700EST- 0800EST			0	0	3	0	Flood
The Huron River went above the flood stage of 14 feet. The river crested at 17.3 feet at 2300 EST on July 17th.									
Clermont County Southeast Portion	18	1305EST			0	0	3	0	Thunderstorm Winds
Scioto County Portsmouth	18	1520EST			0	0	4	0	Thunderstorm Winds
Meigs County Apple Grove	18	1550EST			0	0	5	0	Thunderstorm Winds
Thunderstorms damaged trees, utility lines, and roofs.									
Pike County Piketon	20 21	0100EST- 0600EST			0	0	1	0	Flood
The Scioto River went above the flood stage of 16 feet. The river crested at 16.3 feet at 2100 EST on July 20th.									
Williams County	20	1230EST			0	0	4	0	Thunderstorm Winds
Lucas County Toledo	20	1235EST			0	0	0	0	Hail (1.00)
Medina County Wadsworth	20	1300EST			0	0	4	0	Lightning
Henry County 1 NW Napoleon	20	1325EST			0	0	4	0	Thunderstorm Winds
Henry County 6 W Napoleon	20	1350EST			0	0	3	0	Thunderstorm Winds Hail (1.00)
Wyandot County Upper Sandusky	20	1400EST			0	0	4	0	Thunderstorm Winds
Franklin County Columbus	20	1500EST			0	0	4	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
Madison County									
London	20	1500EST			0	0	4	0	Thunderstorm Winds
Crawford County	20	1515EST			0	0	4	0	Thunderstorm Winds
Columbiana County									
Leetonia	20	1530EST			0	0	4	0	Thunderstorm Winds
Licking County	20	1612EST-							
		1815EST			0	0	4	0	Flash Flood
Delaware County	20	1629EST-							
		1830EST			0	0	4	0	Flash Flood
Thunderstorms destroyed trees and caused some flooding of streets and low lying spots.									
Preble County	23	1536EST-							
		1845EST			0	0	4	0	Flash Flood
Auglaize County									
Uniopolis	23	1815EST			0	0	4	0	Hail (1.00)
Hardin County									
2 N Roundhead	23	1840EST			0	0	0	3	Hail (1.00)
Thunderstorms produced enough rain to cause local flooding and quarter-size hail.									
Preble County									
Alexandria	24	0300EST-							
		0400EST			0	0	4	0	Flash Flood
Clinton County									
New Vienna	24	0410EST-							
		0700EST			0	0	3	0	Flash Flood
Highland County									
Lynchburg	24	0410EST-							
		0700EST			0	0	4	0	Flash Flood
Ross County	24	0417EST-							
		0715EST			0	0	4	0	Flash Flood
Pike County									
Northwest Portion	24	0445EST-							
		0630EST			0	0	4	0	Flash Flood
Washington County									
Belpre	24	0448EST-							
		0900EST			0	0	3	0	Flash Flood
Belmont County	24	0604EST-							
		0900EST			0	0	4	0	Flash Flood
Guernsey County	24	0604EST-							
		0900EST			0	0	4	0	Flash Flood
Morning thunderstorms with heavy rains produced localized and significant flooding of streets and roads.									
Wayne County									
Shreve	24	1415EST			0	0	4	0	Thunderstorm Winds
Holmes County									
Millersburg	24	1430EST			0	0	4	0	Thunderstorm Winds
Portage County									
3 SE Garretts- ville	24	1630EST			0	0	4	0	Thunderstorm Winds
Portage County	24	1634EST-							
		2030EST			0	0	4	0	Flash Flood
Morgan County	24	1705EST-							
		1800EST			0	0	3	0	Flash Flood
Muskingum County	24	1705EST-							
		1800EST			0	0	3	0	Flash Flood
Perry County	24	1705EST-							
		1800EST			0	0	3	0	Flash Flood
Trumbull County									
Newton Falls	24	1715EST			0	0	4	0	Thunderstorm Winds

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
OHIO Cont'd									
Afternoon thunderstorms downed trees and caused streets to flood.									
Marion County LaRue	24	2330EST-							
	25	0900EST			0	0	2	0	Flood
The Scioto River went above the flood stage of 11 feet. The river crested at 11.9 feet at 1900 EST on July 25th.									
Williams County Stryker	26	0900EST-							
	27	0700EST			0	0	2	0	Flood
The Tiffin River went above the flood stage of 11 feet. The river crested at 11.4 feet at 1600 EST on July 26th.									
Monroe County	26	1115EST- 1515EST			0	0	3	0	Flash Flood
Noble County	26	1115EST- 1515EST			0	0	3	0	Flash Flood
Washington County	26	1115EST- 1515EST			0	0	3	0	Flash Flood
Hamilton County 10 NW Cincinnati	26	1535EST- 1700EST			0	0	4	0	Flash Flood
Butler County 7 E Hamilton	26	1605EST- 1705EST			0	0	4	0	Flash Flood
Brown County	26	1655EST- 1900EST			0	0	4	0	Flash Flood
Clermont County Bethel	26	1655EST- 2000EST			0	0	4	0	Flash Flood
Ross County	26	1715EST			0	0	4	0	Thunderstorm Winds
Belmont County	26	1717EST- 2230EST			0	0	3	0	Flash Flood
Highland County Hillsboro	26	1730EST- 1945EST			0	0	3	0	Flash Flood
Jefferson County Dillonvale	26	1730EST- 1915EST			0	0	5	0	Flash Flood
Ross County Chillicothe	26	1740EST			0	0	4	0	Thunderstorm Winds
Jackson County Jackson	26	1800EST	Short	10	0	0	5	0	Tornado (F0)
A small tornado caused minor building damage.									
Hocking County	26	1810EST- 2115EST			0	0	3	0	Flash Flood
Vinton County	26	1810EST- 2115EST			0	0	3	0	Flash Flood
Ross County Massieville	26	1930EST-							
	27	0345EST			2	0	6	0	Flash Flood
Heavy rains caused Trego Creek to rise to 13 feet above normal. Seventy-four mobile homes in a mobile home park were destroyed, two people there drowned, and over 300 people had to be evacuated.									
Pike County Waverly	26	2110EST- 2330EST			0	0	5	0	Flash Flood

Thunderstorms crossing southern Ohio on the afternoon of July 26th caused widespread flooding. While the worst problems were in Ross County, evacuations were also necessary in Jefferson County. The same storms also produced damaging winds and a tornado.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
Erie County	29	1311EST- 1515EST			0	0	3	0	Flash Flood
Lorain County	29	1324EST- 1730EST			0	0	3	0	Flash Flood
Cuyahoga County	29	1349EST- 1545EST			0	0	3	0	Flash Flood
Huron County	29	1427EST- 1730EST			0	0	3	0	Flash Flood
Columbiana County	29	1446EST- 1645EST			0	0	3	0	Flash Flood
Mahoning County	29	1446EST- 1645EST			0	0	3	0	Flash Flood
Trumbull County	29	1446EST- 1645EST			0	0	3	0	Flash Flood
Medina County	29	1452EST- 1730EST			0	0	3	0	Flash Flood
Preble County W Alexandria	29	1540EST- 1630EST			0	0	3	0	Flash Flood
Huron County New London	29	1530EST			0	0	4	0	Thunderstorm Winds
Montgomery County	29	1608EST- 1900EST			0	0	3	0	Flash Flood
Franklin County	29	1702EST- 1800EST			0	0	3	0	Flash Flood
Fayette County	29	1716EST- 2015EST			0	0	3	0	Flash Flood
Pickaway County	29	1716EST- 2015EST			0	0	3	0	Flash Flood
Fairfield County	29	1743EST- 2045EST			0	0	3	0	Flash Flood
Licking County	29	1743EST- 2045EST			0	0	3	0	Flash Flood
Ross County	29	1743EST- 2045EST			0	0	3	0	Flash Flood
Belmont County	29	1939EST- 2145EST			0	0	3	0	Flash Flood
Hamilton County 12 NW Cincinnati	29	1930EST- 2200EST			0	0	3	0	Flash Flood
Thunderstorms produced flooding in poorly drained areas over much of the state.									
Cuyahoga County	30	0002EST- 0200EST			0	0	3	0	Flash Flood
Lorain County	30	0002EST- 0200EST			0	0	3	0	Flash Flood
Geauga County	30	0040EST- 0245EST			0	0	3	0	Flash Flood
Portage County	30	0045EST- 0345EST			0	0	3	0	Flash Flood
Summit County	30	0045EST- 0345EST			0	0	3	0	Flash Flood
Early morning thunderstorms caused flooding of poorly drained areas in northern ohio.									
Richland County Shelby	30	1505EST			0	0	0	0	Hail (0.75)
Ashland County Nankin	30	1540EST			0	0	0	0	Hail (1.00)
Wayne County Reedsburg	30	1600EST			0	0	3	0	Thunderstorm Winds Hail (1.00)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OHIO Cont'd</b>									
Holmes County Nashville	30	1607EST			0	0	4	0	Thunderstorm Winds Hail (1.00)
Mercer County Rockford	30	1620EST- 1820EST			0	0	5	0	Flash Flood
Montgomery County Germantown	30	1620EST- 1645EST			0	0	3	0	Flash Flood
Summit County Wadsworth	30	1640EST- 1750EST			0	0	0	0	Hail (0.75) Flash Flood
Wayne County Doylestown	30	1645EST- 1710EST			0	0	5	0	Thunderstorm Winds
Auglaize County St. Marys	30	1700EST- 1800EST			0	0	5	0	Flash Flood
Wayne County 1 NE W Salem	30	1700EST	1.0	150	0	0	5	0	Tornado (F0)
A tornado severely damaged two houses and a barn.									
Portage County Streetsboro	30	1702EST			0	0	4	0	Flash Flood
Stark County	30	1709EST- 2015EST			0	0	3	0	Flash Flood
Wayne County	30	1709EST- 2015EST			0	0	3	0	Flash Flood
Darke County Greenville	30	1730EST- 1830EST			0	0	5	0	Flash Flood
Stark County Massillon	30	1732EST- 2111EST			0	0	4	0	Flash Flood Hail (0.75)
Summit County Akron	30	1800EST- 2115EST			0	0	6	0	Flash Flood
Columbiana County Salem	30	1820EST			0	0	3	0	Flash Flood
Miami County Piqua	30	1827EST- 1900EST			0	0	5	0	Flash Flood
Mahoning County 2 NE Youngstown	30	1900EST			0	0	4	0	Thunderstorm Winds
Trumbull County	30	1900EST			0	0	4	0	Thunderstorm Winds
Delaware County	30	1906EST- 2200EST			0	0	3	0	Flash Flood
Madison County	30	1906EST- 2200EST			0	0	3	0	Flash Flood
Union County	30	1906EST- 2200EST			0	0	3	0	Flash Flood
Mahoning County 8 WNW Youngs- town	30	1930EST			0	0	4	0	Thunderstorm Winds
Trumbull County	30	1930EST			0	0	4	0	Thunderstorm Winds
Columbiana County 3 S Salem	30	1945EST			0	0	4	0	Thunderstorm Winds Hail (1.00)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>OHIO Cont'd</b>									
Butler County	30	1948EST- 2100EST			0	0	3	0	Flash Flood
Marion County LaRue	30	2000EST- 2130EST			0	0	3	0	Flash Flood
Ashtabula County	30	2025EST- 0030EST			0	0	3	0	Flash Flood
Cuyahoga County	30	2025EST- 0030EST			0	0	3	0	Flash Flood
Geauga County	30	2025EST- 0030EST			0	0	3	0	Flash Flood
Lake County	30	2025EST- 0030EST			0	0	3	0	Flash Flood
Lorain County	30	2025EST- 0300EST			0	0	3	0	Flash Flood
Medina County	30	2025EST- 0300EST			0	0	3	0	Flash Flood
Ashland County Ashland	30	2030EST- 2300EST			0	0	4	0	Flash Flood
Richland County Mansfield	30	2030EST- 2330EST			0	0	4	0	Flash Flood
Holmes County	30	2035EST- 0030EST			0	0	3	0	Flash Flood
Portage County	30	2035EST- 0030EST			0	0	3	0	Flash Flood
Mahoning County Youngstown	30	2100EST- 0100EST			0	0	4	0	Flash Flood
Warren County Warren	30	2100EST- 0100EST			0	0	5	0	Flash Flood
Trumbull County	30	2105EST- 0100EST			0	0	3	0	Flash Flood
Columbiana County	30	2105EST- 0100EST			0	0	3	0	Flash Flood
Marion County	30	2131EST- 0330EST			0	0	3	0	Flash Flood

Thunderstorms the afternoon and evening of July 30th caused some strong winds, large hail, and a tornado. Damage was mainly caused by heavy rains. Streets, basements, and buildings were flooded.

### Huron County Milan

31	0500EST- 2400EST			0	0	2	0	Flood
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The Huron River went above the flood stage of 14 feet. The river crested at a stage of 16.3 feet at 1300 EST.

### Cuyahoga County Independence

31	0700EST- 2100EST			0	0	2	0	Flood
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The Cuyahoga River went above the flood stage of 16 feet. The river crested at a stage of 16.8 feet at 1500 EST.

### Marion County LaRue

31	1230EST- 01 1800EST			0	0	1	0	Flood
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The Scioto River went above the flood stage of 11 feet. The river crested at a stage of 11.8 feet at 0400 EST August 1st.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OKLAHOMA</b>									
Washington County Ramona	02	1640CST			0	0	?	?	Hail (0.88)
Pottawatomie County 2 W Tecumseh	02	1720CST			0	0	?	?	Thunderstorm Winds
Tulsa and Rogers Counties 2 N Collins- ville to 6 SW Oologah	02	1720CST- 1747CST	4.0	100	0	1	5	?	Tornado (F3)
Creek County Bristow	02	1730CST			0	0	?	?	Hail (0.75)
4 SW Sapulpa	02	1730CST			0	0	?	?	Thunderstorm Winds (G52)
Garvin County Maysville	02	1731CST			0	0	?	?	Hail (0.75)
Creek County Iron Post	02	1733CST			0	0	?	?	Hail (1.00)
Tulsa County Tulsa	02	1735CST			0	0	?	?	Hail (1.00)
Creek County 4 SW Bristow	02	1743CST			0	0	?	?	Hail (1.00)
Tulsa County Collinville	02	1749CST			0	0	?	?	Hail (0.88)
Rogers County 1 N Claremore	02	1800CST			0	0	?	?	Hail (0.75)
Garvin County Maysville	02	1819CST			0	0	?	?	Hail (0.75)
Rogers County NR Sequoyah	02	1820CST			0	0	?	?	Hail (0.88)
Pottawatomie County 2 W Asher	02	1838CST			0	0	?	?	Hail (0.88)
Mayes County Adair	02	1840CST			0	0	?	?	Hail (0.75)
Adair	02	1840CST			0	0	?	?	Thunderstorm Winds
Tulsa County 2 NE Bixby	02	1842CST			0	0	?	?	Hail (0.75)
Broken Arrow	02	1845CST			0	0	?	?	Hail (0.88)
Broken Arrow	02	1852CST			0	0	?	?	Hail (0.75)
Broken Arrow	02	1853CST			0	0	?	?	Hail (0.75)
Ottawa County 1 NE Afton	02	1900CST			0	0	?	?	Hail (1.00)
Garvin County 6 SSE Lindsay	02	1905CST			0	0	?	?	Hail (1.00)
6 SSE Lindsay	02	1905CST			0	0	?	?	Thunderstorm Winds
Okmulgee County Okmulgee	02	1910CST			0	0	?	?	Thunderstorm Winds
Wagoner County Oneta	02	1915CST			0	0	?	?	Hail (0.75)
Stephens County Empire City	02	1920CST			0	0	?	?	Hail (0.88)
Delaware County Near Grove	02	1940CST			0	0	?	?	Thunderstorm Winds
Garvin County Elmore City	02	1945CST			0	0	?	?	Hail (0.75)
Stephens County Comanche	02	2000CST			0	0	?	?	Thunderstorm Winds (G67)
Muskogee County Muskogee	02	2010CST			0	0	?	?	Hail (0.75)
Stephens County Comanche	02	2015CST			0	0	?	?	Hail (0.75)
Pontotoc County 1 N Ada	02	2020CST			0	0	?	?	Hail (0.75)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Jefferson County</b>									
Waurika	02	2025CST			0	0	?	?	Hail (0.75)
<b>Texas County</b>									
Eva	02	2030CST			0	0	0	0	Hail (1.75)
<b>Cotton County</b>									
8 S Temple	02	2031CST			0	0	?	?	Hail (0.75)
<b>Murray County</b>									
Davis	02	2032CST			0	0	?	?	Hail (0.75)
<b>Stephens County</b>									
Comanche	02	2035CST			0	0	?	?	Hail (0.75)
<b>Texas County</b>									
Eva	02	2035CST			0	0	0	0	Hail (1.75)
5 N Eva	02	2037CST			0	0	0	0	Hail (0.88)
<b>McIntosh County</b>									
4 W Checotah	02	2040CST			0	0	?	?	Hail (1.00)
<b>Garvin County</b>									
6 S to 3 E Lindsay	02	2105CST			0	0	?	?	Hail (1.00)
6 S to 3 E Lindsay	02	2105CST			0	0	?	?	Thunderstorm Winds
<b>Muskogee County</b>									
Warner	02	2110CST			0	0	?	?	Hail (0.75)
Warner	02	2110CST			0	0	?	?	Thunderstorm Winds (G52)
<b>Pontotoc County</b>									
5 S 3W Fittstown	02	2115CST			0	0	?	?	Hail (0.75)
<b>Cherokee County</b>									
Cookson	02	2130CST			0	0	?	?	Hail (0.75)
<b>Adair County</b>									
Greasy	02	2130CST			0	0	?	?	Thunderstorm Winds
<b>Jefferson County</b>									
3 NE Ryan	02	2130CST			0	0	?	?	Thunderstorm Winds (G61)
<b>Murray County</b>									
Sulphur	02	2130CST			0	0	?	?	Hail (0.75)
<b>Johnston County</b>									
1 W Pontotoc	02	2130CST			0	0	?	?	Hail (0.75)
<b>Pittsburg County</b>									
5 SE Eufaula	02	2131CST			0	0	?	?	Hail (0.75)
<b>Coal County</b>									
Tupelo	02	2135CST			0	0	?	?	Hail (0.75)
<b>McIntosh County</b>									
Checotah	02	2140CST			0	0	?	?	Hail (0.75)
<b>Haskell County</b>									
Tamaha	02	2200CST			0	0	?	?	Hail (0.75)
<b>Muskogee County</b>									
Briartown	02	2220CST			0	0	?	?	Hail (0.75)
<b>Atoka County</b>									
2 E Daisy	02	2245CST			0	0	?	?	Thunderstorm Winds
<b>Pittsburg County</b>									
Kiowa	02	2245CST			0	0	?	?	Hail (0.75)
Kiowa	02	2245CST			0	0	?	?	Thunderstorm Winds (G52)
Pittsburg	02	2300CST			0	0	?	?	Thunderstorm Winds (G52)

Severe thunderstorms occurred across portions of northeastern, central, and southwestern Oklahoma on the afternoon and evening of the 2nd. The greatest concentration of severe thunderstorms was across northeastern Oklahoma, where the most severe thunderstorm of the day produced a tornado which moved through Tulsa and Rogers Counties. The tornado first touched down 2 miles north of Collinsville at 1720 CST. This tornado caused minor roof damage and destroyed several outbuildings near 166th Street North and 113th East Avenue. At this point the tornado was 100 yards wide and F0 in intensity. The tornado quickly strengthened to F3 intensity as it moved east-northeast to near 170th Street North and 129th East Avenue. Damage in this area was extensive with two mobile homes destroyed, four homes heavily damaged, and eight homes with minor damage. There was one minor injury in this area, and the damage path was 150 yards wide. The tornado then weakened back to F0 intensity as it moved east across the Caney River into Rogers County 6.5 miles southwest of Oologah at 1745 CST. Damage in this area was confined to several

# Storm Data and Unusual Weather Phenomena

July 1992

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

## OKLAHOMA Cont'd

large trees uprooted. The tornado was 100 yards wide at this point and dissipated at 1747 CST, 6 miles west of Oologah. The total path length of this tornado was 4 miles.

Also, thunderstorm winds gusting to 60 mph nearly picked up a car off the road 4 miles southwest of Sapulpa. Severe thunderstorm winds knocked down trees and a traffic light at Adair. A tree was blown onto a pickup truck near Grove. Severe thunderstorm winds also caused damage to trees and powerlines at Greasy and Okmulgee, caused damage to trees just west of Tecumseh, south and east of Lindsay, just east of Daisy, 4 miles west of Covington, and at Pittsburg.

An second area of thunderstorms moved southeast from Kansas into the Oklahoma Panhandle. One of the storms produced Ping-Pong ball-size hail in Eva. The hail was reported by the Oklahoma Highway Patrol. Nickel-size hail fell just north of Eva according to a National Weather Service Cooperative Observer.

<b>Mc Curtain County</b>									
Broken Bown Dam	03	0025CST			0	0	?	?	Thunderstorm Winds (G52)
Ultima Thule	03	0040CST			0	0	?	?	Thunderstorm Winds
2 SW Bethel	03	0142CST			0	0	?	?	Hail (1.50)
Pine Creek Reservoir	03	0145CST			0	0	?	?	Thunderstorm Winds
<b>Choctaw County</b>									
Hugo	03	0200CST			0	0	?	?	Thunderstorm Winds
Swink	03	0230CST			0	0	4	?	Lightning

An isolated severe thunderstorm downed trees at Hugo. Lightning from one the storms in Choctaw County struck a house in Swink and did major damage to the home.

<b>Muskogee County</b>									
3 SW Webbers Falls	04	0225CST			0	0	?	?	Hail (0.75)

An isolated severe thunderstorm produced dime-size hail 3 miles southwest of Webbers Falls.

<b>Texas County</b>									
Hough	04	1545CST			0	0	0	0	Hail (1.75)

A line of thunderstorms extended across the Oklahoma Panhandle. One of the storms produced golf ball-size hail in Hough. The hail was reported by the public and relayed by KGYN radio in Guymon.

1 SW Guymon	06	1830CST			0	0	0	0	Thunderstorm Winds (G52)
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A severe thunderstorm developed in the central Oklahoma Panhandle. Texas County Sheriff's Office estimated the winds near 60 mph just southwest of Guymon.

<b>Roger Mills County</b>									
8 S Hammon	10	1400CST			0	0	?	?	Hail (1.00)
<b>Custer County</b>									
1 W 0.5 S Stafford	10	1400CST			0	0	?	?	Thunderstorm Winds
<b>Ellis County</b>									
8 S Arnett	10	1410CST			0	0	?	?	Hail (0.75)
8 S Arnett	10	1410CST			0	0	?	?	Thunderstorm Winds (G61)
<b>Dewey County</b>									
Taloga	10	1420CST			0	0	?	?	Hail (0.75)
<b>Blaine County</b>									
3 NW Watonga	10	1440CST			0	0	?	?	Hail (0.75)
<b>Custer County</b>									
7 SE Thomas	10	1440CST			0	0	?	?	Hail (0.75)
<b>Kingfisher County</b>									
3 W Hennessey	10	1530CST- 1540CST			0	0	?	?	Hail (0.88) Thunderstorm Winds (G52)
<b>Beckham County</b>									
Delhi	10	1540CST			0	0	?	?	Hail (0.75)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OKLAHOMA Cont'd</b>									
Garfield County									
8 SW Enid	10	1542CST			0	0	?	?	Hail (0.75)
8 SW Enid	10	1542CST			0	0	?	?	Thunderstorm Winds (G52)
Washita County									
Canute	10	1600CST			0	0	?	?	Hail (0.75)
Canute	10	1600CST			0	0	?	?	Thunderstorm Winds (G52)
Garfield County									
4 W Covington	10	1600CST			0	0	?	?	Thunderstorm Winds
Custer County									
Clinton	10	1630CST			0	0	3	?	Thunderstorm Winds
1 E Clinton	10	1630CST- 1830CST			0	0	?	?	Flash Flood
Kay County									
Blackwell to Tonkawa to Newkirk	10	1635CST- 1650CST			0	0	?	?	Thunderstorm Winds (G61)
Washington County									
Copan	10	1651CST			0	0	?	?	Hail (1.75)
Kay and Noble Counties									
6 S to 0.5 E Tonkawa	10	1652CST			0	0	?	?	Thunderstorm Winds
Osage County									
Burbank	10	1655CST			0	0	?	?	Thunderstorm Winds (G61)
Shidler	10	1720CST			0	0	?	?	Thunderstorm Winds (G61)
Burbank	10	1722CST			0	0	?	?	Thunderstorm Winds (G70)
<p>Severe thunderstorms moved across portions of northwest, northeast, west, north-central, and central Oklahoma during the afternoon of the 10th, bringing large hail, strong winds, and flooding. Just west and south of Stafford, thunderstorm winds rolled an empty water tank weighing 300 pounds 0.25 mile. At Clinton, strong winds downed a tree and blew the door off a hanger at an airport. At a location 6 miles south and 0.5 mile east of Tonkawa on the Kay/Noble County line, windows were blown in at a house. One mile east of Clinton along Oklahoma Route 66, water from flash flooding closed the east bound lanes. At Shidler, 4-inch-diameter tree limbs were downed by the strong winds.</p>									
Woods County									
10 E Freedom	13	1420CST			0	0	?	?	Thunderstorm Winds (G52)
10 E Freedom	13	1420CST			0	0	?	?	Hail (0.75)
Woodward County									
3 S Freedom	13	1619CST			0	0	?	?	Thunderstorm Winds (G52)
Woods County									
2 NW Alva	13	1620CST			0	0	?	?	Thunderstorm Winds (G52)
1 E Avard	13	1715CST			0	0	?	?	Hail (0.75)
Woodward County									
1 N Vici	13	1800CST			0	0	?	?	Hail (0.75)
Dewey County									
7 NW Taloga	13	1840CST			0	0	?	?	Hail (0.75)
Grant County									
2 E 1 S Lamont	13	1920CST			0	0	?	?	Thunderstorm Winds (G52)
Dewey County									
Taloga	13	1925CST			0	0	?	?	Thunderstorm Winds (G52)
Kay County									
7 W Tonkawa	13	1930CST			0	0	?	?	Thunderstorm Winds (G52)
Beckham County									
10 SW Carter	13	2105CST			0	0	?	?	Hail (1.00)
Beckham and Greer Counties									
7 S Carter	13	2130CST			0	0	?	?	Thunderstorm Winds (G52)
Beckham County									
4 S Carter	13	2130CST			0	0	?	?	Thunderstorm Winds (G52)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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### OKLAHOMA Cont'd

Severe thunderstorms moved across portions of western and northern Oklahoma with winds up to 60 mph and hail up to quarter size.

<b>McClain County</b> Newcastle	14	0222CST			0 0	4 ?	Lightning
Lightning struck a mobile home in Newcastle, setting it on fire. The fire caused serious damage to the home, and destroyed a motorcycle which had been resting against the building.							
<b>Mc Curtain County</b> 2 S Goodwater	14	1744CST			0 0	? ?	Hail (1.75)
1 S E Broken Bow	14	1748CST			0 0	? ?	Hail (0.75)
Hayworth	14	1854CST			0 0	? ?	Thunderstorm Winds (G52)
Pine Creek Reservoir	14	1915CST			0 0	? ?	Hail (0.75)
5 N E Wright City	14	1920CST			0 0	? ?	Hail (1.50)
<b>Choctaw County</b> 1 N Bluff	14	2200CST			0 0	? ?	Hail (1.25)
<b>Johnston County</b> 5 W Wapanucka	14	2330CST			0 0	? ?	Thunderstorm Winds
<b>Atoka County</b> 4 E Atoka	14	2338CST			0 0	? ?	Hail (1.75)
<b>Murray County</b> Sulphur	15	0030CST			0 0	? ?	Thunderstorm Winds
2 SSE Sulphur	15	0200CST			0 0	? ?	Thunderstorm Winds
<b>Choctaw County</b> 4 NNW Boswell	15	0230CST			0 0	? ?	Hail (1.75)
<b>Murray County</b> Eastern Portion	15	0300CST			0 0	? ?	Flash Flood
<b>Marshall County</b> Cumberland	15	0345CST			0 0	? ?	Thunderstorm Winds (G65)

Severe thunderstorms moved across south-central and southeast Oklahoma late on the 14th and early on the 15th, and produced large hail, strong winds, and flash flooding. Rainfall was estimated at 2.00 to 7.00 inches in an area from eastern Murray County to northern Johnston County, and on into Bryan and Choctaw Counties. Damage to trees was reported 5 miles west of Wapanucka, and tree and power line damage was reported in Sulphur. At the Chickasaw National Recreation Area south-southeast of Sulphur, campers narrowly escaped injury when more than a half dozen trees over 2 feet in diameter were toppled. In the eastern part of Murray County, a creek crossing was flooded near the Lake of the Arbuckles.

<b>Atoka County</b> 4 E Atoka	15	1138CST			0 0	? ?	Hail (1.75)
An isolated severe thunderstorm produced golf ball-size hail 4 miles east of Atoka.							
<b>Ellis County</b> 1.5 W to 1 N Catesby	15	1500CST			0 0	? ?	Thunderstorm Winds
<b>Marshall County</b> Cumberland	15	1545CST			0 0	? ?	Thunderstorm Winds (G65)
<b>Beaver County</b> 12 SW Beaver	15	1731CST			0 0	0 0	Hail (0.75)
12 SW Beaver	15	1815CST			0 0	0 0	Hail (1.75)
4 N Gray	15	1937CST			0 0	0 0	Hail (1.75)
<b>Texas County</b> Hardesty	15	2015CST			0 0	0 0	Hail (0.75)
<b>Beaver County</b> Gray	15	2028CST			0 0	0 0	Hail (1.75)
<b>Woods County</b> 7 W Camp Houston	15	2155CST			0 0	? ?	Thunderstorm Winds (G52)
<b>Ellis County</b> Catesby	15	2215CST			0 0	? ?	Hail (0.80)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OKLAHOMA Cont'd</b>									
Woods County 10 SE Alva	15	2305CST			0	0	?	?	Hail (0.75)
Roger Mills County 2 S Durham	15	2335CST			0	0	?	?	Thunderstorm Winds
Johnston County 5 W Wapanucka	15	2330CST			0	0	?	?	Thunderstorm Winds
Alfalfa County Cherokee	15	2345CST			0	0	?	?	Hail (0.88)
Grant County Wakita	16	0027CST			0	0	?	?	Thunderstorm Winds
Major County 4 E Chester	16	0030CST			0	0	?	?	Thunderstorm Winds
Dewey County 1 E 3.5 S Cestos	16	0030CST			0	0	?	?	Hail (0.75)
Grant County Wakita	16	0056CST			0	0	3	?	Thunderstorm Winds
Dewey County Taloga	16	0100CST			0	0	?	?	Thunderstorm Winds (G56)
Roger Mills County 1 W Cheyenne	16	0120CST			0	0	?	?	Hail (0.75)
Custer County 4.5 N to 6 W Arapaho	16	0130CST			0	0	?	?	Thunderstorm Winds
Garfield County Bison	16	0130CST			0	0	?	?	Hail (0.75)
Noble County 2 NE Perry	16	0130CST			0	0	?	?	Thunderstorm Winds
Ellis County 8 S Harmon	16	0130CST			0	0	?	?	Hail (0.75)
Grant County Wakita	16	0130CST			0	0	?	?	Thunderstorm Winds (G52)
Medford	16	0130CST			0	0	?	?	Hail (0.75)
Logan County Marshall	16	0205CST			0	0	?	?	Thunderstorm Winds
Kay County 3 NE Newkirk	16	0242CST			0	0	?	?	Thunderstorm Winds
Ellis County Arnett	16	0300CST			0	0	?	?	Thunderstorm Winds (G52)
Oklahoma County 1 N Edmond	16	0314CST			0	0	?	?	Hail (0.75)
Logan County 2 S Seward	16	0315CST			0	0	?	?	Hail (0.75)
Oklahoma County 1 E Arcadia	16	0325CST			0	0	?	?	Thunderstorm Winds
Osage County Hominy	16	0330CST			0	0	?	?	Thunderstorm Winds
Cleveland County Norman	16	0511CST			0	0	4	?	Lightning
McClain and Purcell Counties	16	0515CST			0	0	?	?	Thunderstorm Winds

Thunderstorms developed along a frontal boundary across the eastern Oklahoma panhandle during the afternoon of the 15th. A severe thunderstorm produced dime size hail in southwest Beaver County in Balko. The hail was reported by the Beaver County Sheriff's Office. The public reported golf ball-size hail in Balko at 1815 CST. The line of thunderstorms continued to push southwest across the eastern Oklahoma panhandle. Golf ball-size hail fell in and just north of Gray in Beaver County. The hail north of Gray was reported by the public, while the Oklahoma Highway Patrol reported the hail in Gray. The Oklahoma Highway Patrol reported dime-size hail in Hardesty of Texas County. Severe thunderstorms then moved into the western portions of the state during the remainder of the afternoon.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## OKLAHOMA Cont'd

These storms moved into north-central and central Oklahoma during the late night hours of the 15th, and the early morning hours of the 16th. Just west and north of Catesby, power lines and a 250 gallon gas tank were blown into a fence by severe thunderstorm winds. Tree damage was reported just south of Durham, 4 miles east of Chester, north and west of Arapaho, just northeast of Perry, at Marshall, just east of Arcadia, at Purcell, and at Hominy. Damage to power lines, a radio tower, guttering, and roofing material was reported in Wakita. In Norman, lightning struck a house, and the resulting fire caused an estimated \$2,500 in damages.

**Custer County  
Weatherford**

16	0612CST				0	0	3	?	<b>Lightning</b>
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Lightning struck a hay barn and set it on fire.

**McCurtain County  
Southeastern  
Portion**

17	0113CST- 0615CST				0	0	?	?	<b>Flash Flood</b>
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Rainfall of 5.00 to 6.00 inches in southeast McCurtain County caused flash flooding along the Little River and its secondary streams.

**Texas County  
Tyrone**

17	1550CST				0	0	4	0	<b>Thunderstorm Winds (G50)</b>
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A severe thunderstorm moved southeast from Kansas and into the Oklahoma Panhandle. The storm produced strong downburst winds which destroyed one mobile home and carried a camper trailer a short distance. The damage occurred in Tyrone and was reported by Texas County Sheriff's Office.

**Washington County  
Oglesby**

20	1500CST				0	0	?	?	<b>Hail (0.75)</b>
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An isolated severe thunderstorm produced dime-size hail at Oglesby at 1500 CST.

**Oklahoma County  
NW Oklahoma  
City**

20	1703CST				0	0	5	?	<b>Thunderstorm Winds (G65)</b>
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A microburst from a thunderstorm struck an area of northwest Oklahoma City just north of downtown. The microburst began around northwest 12th and Western Streets, and fanned out to the east to Hudson and Harvey Streets, and to the east to the vicinity of Couch and Main. Winds were estimated at 60 to 70 mph in most spots but some areas may have had winds in excess of 70 mph. Within this area many trees were downed, as well as power poles taken down by the trees. A automobile dealership in the area had a large sign blown down by the winds, and a auto repair dealership had windows blown out. At least two cars were heavily damaged.

**NE Oklahoma City**

20	1752CST				0	1	?	?	<b>Lightning</b>
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Lightning struck near a parked car at 122nd Street and Interstate 35 in Oklahoma City. Ground current from the lightning apparently travelled to the car, causing minor injuries to a man inside.

**Caddo, Custer, and  
Washita Counties**

20	2300CST-				0	0	?	?	
21	1100CST				0	0	?	?	<b>Flash Flood</b>

Storms repeatedly developed and moved across northern Caddo, extreme southeast Custer and northeast Washita Counties producing anywhere from 2.00 to over 4.00 inches of rain. A bridge on a county road was washed out approximately 4 miles southeast of Weatherford. Several low-lying county roads in northwest Caddo County, between Eakley and Bridgeport, were under water early the morning of the 21st. Field terraces northeast of Corn along Highway 54 were overflowing or washed out. A 13-acre field in northeast Washita County was covered with water. Additional rainfall reports received included 4.50 inches, 5 miles west of Hinton and 4.70 inches just south of Weatherford. Numerous reports of 3.00-inch rainfall amounts were received throughout northeastern Washita and southeastern Custer Counties.

**Washington County  
Dewey**

23	1510CST				0	0	?	?	<b>Thunderstorm Winds</b>
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# Storm Data and Unusual Weather Phenomena

July 1992

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

## OKLAHOMA Cont'd

<b>Mayes County</b>									
4 SSW Pryor	23	1703CST			0	0	?	?	Hail (0.75)
4 SSW Pryor	23	1703CST			0	0	?	?	Thunderstorm Winds (G52)

Isolated severe thunderstorms developed in northeast Oklahoma during the afternoon of July 23rd. Thunderstorm winds downed a tree and numerous large tree limbs in Dewey. Dime-size hail along with 60 mph winds occurred 4 miles south-southwest of Pryor.

<b>Delaware County</b>									
1 SE Grove	26	1525CST			0	0	?	?	Thunderstorm Winds
<b>Creek County</b>									
5 N Bristow	26	1618CST			0	0	?	?	Hail(1.00)
7 N Kelleyville	26	1650CST			0	0	?	?	Hail (1.00)
<b>McClain County</b>									
1 W Newcastle	26	1715CST			0	0	?	?	Thunderstorm Winds (G56)
Newcastle	26	1719CST			0	0	?	?	Hail (0.75)
1 W Newcastle	26	1720CST			0	0	?	?	Thunderstorm Winds (G56)
<b>Okmulgee County</b>									
1 E Okmulgee	26	1735CST			0	0	?	?	Hail (1.00)
<b>Cleveland County</b>									
2 N Norman	26	1736CST			0	0	?	?	Thunderstorm Winds (G54)
2 NW Norman	26	1737CST			0	0	3	?	Hail (0.75)

Isolated severe thunderstorms developed in northeastern and east-central Oklahoma during the afternoon of July 26th. Thunderstorm winds downed numerous large tree limbs 1 mile southeast of Grove. Quarter-size hail fell 5 miles north of Bristow and 1 mile east of Okmulgee, with dime-size hail 7 miles north of Kelleyville.

In central Oklahoma, severe thunderstorms in the Norman and Newcastle areas produced numerous reports of large hail and strong winds. In Norman, severe thunderstorm winds caused damage to trees, signs, fences, and a flagpole.

<b>Caddo County</b>									
1 NW Anadarko	27	0311CST			0	0	3	?	Lightning

Lightning struck the Caddo Electric substation, burning up two fuses and insulators. Power was out to hundreds of customers.

<b>Adair County</b>									
10 NW Stilwell	30	1350CST			0	0	?	?	Hail (0.75)
<b>Cherokee County</b>									
5 NW Hulbert	30	1405CST			0	0	?	?	Hail (0.75)
<b>Okmulgee County</b>									
Morris	30	1415CST			0	0	?	?	Hail (0.75)
<b>Love County</b>									
12 W Marietta	30	1440CST			0	0	?	?	Thunderstorm Winds
<b>Okfuskee County</b>									
Clearview	30	1445CST			0	0	?	?	Hail (1.75)
<b>Okmulgee County</b>									
Coalton	30	1450CST			0	0	?	?	Hail (0.75)
<b>Beckham County</b>									
5.5 S Erick	30	1455CST			0	0	?	?	Hail (0.88)
<b>Greer County</b>									
Willow	30	1500CST			0	0	?	?	Hail (1.75)
<b>Delaware County</b>									
1 E Jay	30	1505CST	0.1	25	0	0	0	?	Tornado (F0)
1 E Jay to 3 E Jay	30	1511CST			0	0	?	?	Hail (2.75)
3 E Jay	30	1511CST			0	0	?	?	Thunderstorm Winds
<b>Kiowa County</b>									
7 S Mountain View	30	1515CST			0	0	?	?	Hail (1.00)
<b>Harmon County</b>									
9 NW Vinson	30	1515CST			0	0	?	?	Hail (0.88)
<b>Pottawatomie County</b>									
3 E Tecumseh	30	1527CST			0	0	?	?	Hail (0.75)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OKLAHOMA Cont'd</b>									
Harmon County 3 WNW Vinson	30	1530CST			0	0	?	?	Hail (1.00)
Greer County Granite	30	1530CST			0	0	?	?	Hail (0.75)
Kiowa County 2 N Saddle Mountain	30	1550CST			0	0	?	?	Hail (0.75)
Grady County 2 WSW Blanchard	30	1550CST			0	0	?	?	Hail (0.75)
Okfuskee County 2 N Weleetka	30	1550CST			0	0	?	?	Hail (0.75)
Jackson County 4E 1N Blair	30	1556CST			0	0	?	?	Hail (1.75)
McClain County 1 S Blanchard	30	1600CST			0	0	?	?	Hail (0.75)
Seminole County 1 N Wewoka	30	1600CST			0	0	?	?	Hail (1.00)
Cotton County 2 W Corum	30	1600CST			0	0	?	?	Hail (0.75)
	30	1600CST			0	0	?	?	Hail (0.75)
Muskogee County 3 E Taft	30	1600CST			0	0	?	?	Hail (0.75)
Caddo County 1 N Gracemont	30	1605CST			0	0	?	?	Hail (0.88)
Stephens County 1 W Corum	30	1607CST			0	0	?	?	Hail (0.75)
Cherokee County 10 N Talequah	30	1615CST			0	0	?	?	Hail (0.88)
Pottawatomie County 5 N Pearson	30	1620CST			0	0	?	?	Hail (0.75)
Caddo County 2 NW Verden	30	1635CST			0	0	?	?	Hail (1.00)
Hughes County 3 W Dustin	30	1635CST			0	0	?	?	Thunderstorm Winds (G61)
	30	1635CST			0	0	?	?	Hail (0.75)
Grady County 10 E Rush Springs	30	1640CST			0	0	?	?	Thunderstorm Winds (G52)
Okfuskee County 1 E Okemah	30	1640CST			0	0	?	?	Hail (0.88)
Cotton County 2 W Corum	30	1641CST			0	0	3	?	Thunderstorm Winds (G61)
Stephens County 1 W Corum	30	1645CST			0	0	?	?	Thunderstorm Winds (G61)
Hughes County Holdenville	30	1655CST			0	0	?	?	Hail (0.75)
Seminole County 1 S Wewoka	30	1700CST			0	0	?	?	Hail (0.75)
Pottawatomie County Asher	30	1700CST			0	0	?	?	Thunderstorm Winds
Cleveland County SE Oklahoma City	30	1708CST			0	0	?	?	Hail (0.75)
Washita County 1N 2E Cowden	30	1710CST			0	0	?	?	Hail (0.88)
Oklahoma County 6S to 8E Oklahoma City	30	1725CST			0	0	?	?	Hail (1.75)
	30	1725CST			0	0	?	?	Thunderstorm Winds (G61)
Wagoner County 5 SE Coweta	30	1745CST			0	0	?	?	Hail (0.88)
Caddo County Eakley	30	1745CST			0	0	3	?	Thunderstorm Winds (G53)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>OKLAHOMA Cont'd</b>									
Oklahoma County SE Oklahoma City	30	1759CST			0	0	?	?	Hail (1.00)
Tillman County 3N 3E Grandfield	30	1805CST			0	0	?	?	Hail (0.75)
Oklahoma County 11E to 4S Oklahoma City	30	1808CST			0	0	?	?	Flash Flood
Cleveland County 9 N Norman	30	1808CST			0	0	?	?	Hail (0.75)
Oklahoma County Choctaw	30	1810CST			0	0	?	?	Hail (1.50)
Cotton County 7 N Devol	30	1820CST			0	0	?	?	Hail (1.50)
Oklahoma County SE Oklahoma City	30	1829CST			0	0	?	?	Thunderstorm Winds
SE Oklahoma City	30	1835CST			0	0	?	?	Thunderstorm Winds
Marshall County Madill	30	1935CST			0	0	?	?	Thunderstorm Winds (G52)

Severe thunderstorms were widespread across southern, western, northeastern, and central Oklahoma. The storms produced many reports of large hail, and several reports of damaging winds, as well as one tornado. An F0 tornado made a brief touchdown east of Jay, with only tree damage being reported. One flash flood report was also received. Tree damage from severe thunderstorm winds was reported at Jay, 12 miles west of Marietta, at Asher, and two reports of tree damage was received from southeast Oklahoma City. In Eakley, a travel trailer was blown over by strong winds, and barns were damaged 2 miles west of Corum. Flood waters were up to the bottom of mobile homes at a mobile home park in southeast Oklahoma City. Several other reports of minor flooding were received across southeast Oklahoma City.

### Beaver County Beaver

31	2030CST			0	0	0	0		Hail (0.75)
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An isolated thunderstorm became severe and produced dime-size hail in Beaver. The hail was reported by the Beaver County Sheriff's Office.

## OREGON

### Josephine County Phoenix

19	1900PDT- 2000PDT			0	0	3	0		Thunderstorm Winds (G60)
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An off-duty weather observer reported 0.75-inch hail and 69-mph winds as a severe thunderstorm moved through the Phoenix area. He also reported trees were blown down and damage to roofs of homes.

### Tillamook County Cloverdale

20	0700PDT- 0800PDT			0	0	4	0		Lightning
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### Columbia County St. Helens

20	0900PDT- 1000PDT			0	0	4	0		Lightning
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### Descutes County Bend

20	1600PDT- 1700PDT			0	0	3	0		Lightning
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Lightning strikes from widespread thunderstorms caused a variety of extensive damage in the morning and afternoon across Oregon. Near Cloverdale in Tillamook County, 23 cows were killed while standing near a tree that was struck by lightning. The cows were apparently standing in a large puddle of water about 2 inches deep. In St. Helens about an hour later a house was struck by lightning and suffered substantial fire damage. A thunderstorm in central Oregon the same afternoon struck large pine tree and went through the roof of a house and caused extensive damage to interior structures and destroyed electronic equipment.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>OREGON Cont'd</b>									
Malheur County Owyhee Reservoir	20	1600PDT			0	0	0	0	Hail (1.50)
Wallowa County Hells Canyon Dam	22	1630PDT- 1700PDT	0.5	100	0	0	3	0	Tornado (F0)
A family fishing on the Snake River near Hells Canyon Dam saw threatening weather approaching and got into their car and drove into a side canyon attempting to escape the storm. The driver reported that they were engulfed in a rotating solid white opaque cloud, heard an incredible roar, and the passenger side of the car was lifted about 2 or 3 feet off of the ground. The passenger windows were blown out and rocks pummelled the car, which was totaled, but no injuries occurred.									
Malheur and Baker Counties	22	1500PDT- 1700PDT			0	0	3	0	Thunderstorm Winds (G67)
A line of thunderstorms moved through eastern Oregon in the afternoon producing strong wind gusts. The highest gusts reported were 77 mph in Huntington in Baker County, 65 mph in Ontario and 55 mph in Nyssa, both in Malheur County. In Juntura, also in Malheur County, trees were reportedly blown down and a pickup truck was crushed. Additionally, 1.00-inch hail was reported near Harper in Malheur County.									
<b>PENNSYLVANIA, Eastern</b>									
Bradford County 1.5 SE Coryland to Big Pond	05	1415EST- 1430EST			0	0	4	0	Thunderstorm Winds (G69)
Thunderstorm downburst winds did sporadic damage along an 8 mile path from near Coryland to Big Pond. Many trees were uprooted, three houses and one barn were damaged and one garage, one uninhabited mobile home and a camping trailer were destroyed. Winds were estimated to be up to 80 MPH.									
Bradford County 1.5 SE Coryland Big Pond	05	1415EST- 1430EST	8.0	100	0	0	3	0	Tornado (F1)
A tornado touched down briefly at least twice along the path. It touched down in open fields and wooded areas. Trees were uprooted, broken off, twisted and splintered. Several eyewitnesses saw the funnel cloud. It was seen to touch down a number of times over open fields and also observed water being sucked up into the funnel from the lake at Big Pond.									
Schuylkill County 2 W MCadoo	05	1720EST			0	0	3	?	Thunderstorm Winds
Thunderstorm wind gusts downed large tree limbs and caused crop damage.									
Lebanon County 7 SE Lebanon	05	2000EST			0	0	5	0	Thunderstorm Winds
Thunderstorm wind gusts caused considerable damage to farms. One large chicken coop was destroyed with about 3000 chickens lost. The estimated loss of the building and equipment was \$145,000. A corn shed was destroyed at an estimated loss of \$8,000 to \$10,000. A barn was destroyed with estimated damage of \$130,000 loss. The loss of hay in the barn was valued at \$6,300. Estimated damage to a house was \$300 and to a barn \$200.									
Dauphin County Hershey Hershey	10	1710EST			0	0	3	0	Thunderstorm Winds
	10	1725EST			0	0	3	0	Thunderstorm Winds
Thunderstorm wind gusts brought down numerous trees and also some utility lines.									
Lancaster County 5 NW Manheim	10	1720EST			0	0	4	0	Thunderstorm Winds
Lititz	10	1725EST			0	0	3	0	Thunderstorm Winds
Lancaster Airport	10	1727EST			0	0	?	0	Thunderstorm Winds (G57)
Lititz	10	1730EST			0	0	4	0	Thunderstorm Winds

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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### PENNSYLVANIA, Eastern Cont'd

6 NE Lancaster	10	1730EST			0	0	3	0	Thunderstorm Winds
6 N Ephrata	10	1730EST			0	0	4	0	Thunderstorm Winds
Manheim	10	1740EST			0	0	4	0	Thunderstorm Winds

Thunderstorm wind gusts brought down numerous trees and utility lines in all these areas. A barn was partially blown over and a tree fell on a house near Manheim at 1720 EST. One tree fell on a house and one on an automobile in Lititz at 1730 EST. A mobile home was pushed off its foundation northeast of Lancaster at 1730 EST. A tree fell on a house near Ephrata.

Lebanon County Lebanon	10	1725EST			0	0	3	0	Thunderstorm Winds
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Thunderstorm winds gusts downed many trees and utility lines in Lebanon and in other locations throughout the county. Pea-size hail was reported in Campbelltown at 1735EST.

Berks County 6 SSE Reading	10	1730EST			0	0	3	0	Thunderstorm Winds (G53)
Shillington	10	1753EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts in excess of 60 MPH downed large tree limbs and utility lines southeast of Reading. At Shillington trees were uprooted, large limbs were down and marble-size hail fell.

Clinton County 5 NW Keating	10	1740EST			0	0	3	0	Thunderstorm Winds
Hyner	10	1805EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts brought trees down across roads.

Berks County Hopewell	10	1800EST			0	0	3	0	Thunderstorm Winds
Hopewell	10	1800EST			0	0	?	0	Hail (0.75)

Thunderstorm wind gusts downed trees. Three-quarter inch hail also fell.

Chester County Cedarville	10	1800EST			0	0	3	0	Thunderstorm Winds
3.5 SE West Chester	10	1830EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts downed trees near Westtown which is southeast of West Chester. One quarter to 0.50 inch hail also fell. Many trees were down in the Cedarville area.

Montgomery County Pottstown	10	1800EST			0	0	3	0	Thunderstorm Winds
1 NE Villanova	10	1840EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts downed trees and utility lines northeast of Villanova which is located across the county line in Delaware County. Many trees were down in the Pottstown area.

Delaware County Glen Mills	10	1830EST			0	0	3	0	Thunderstorm Winds
Brookhaven	10	1835EST			0	0	3	0	Thunderstorm Winds
Alan	10	1840EST			0	0	?	0	Hail (0.75)

Thunderstorm wind gusts downed trees in Glen Mills. One-quarter inch hail fell in Glen Mills and three-quarter inch hail was reported in Aldan. Utility lines were down in Upper Darby and the top of a tree was snapped off in Newtown Square. Numerous trees were downed in Brookhaven.

Philadelphia County 1 E Manayunk	10	1830EST			0	0	3	0	Thunderstorm Winds
1 SE Chestnut Hill	10	1831EST			0	0	?	0	Hail (1.75)

Thunderstorm wind gusts downed many trees in northwest Philadelphia, especially southeast of Manayunk. Hail from pebble-size to golf ball-size fell in West Mount Airy which is southeast of Chestnut Hill. Some trees were also reported down in other sections of the city.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## PENNSYLVANIA, Eastern Cont'd

### Lycoming County

Williamsport	10	1845EST			0	0	3	0	Thunderstorm Winds
Farragut	10	1850EST			0	0	?	0	Hail (1.00)
Pennsdale	10	1852EST			0	0	3	0	Thunderstorm Winds
Muncy	10	1854EST			0	0	3	0	Thunderstorm Winds
Montgomery	10	1858EST			0	0	3	0	Thunderstorm Winds
Muncy	10	1901EST			0	0	4	0	Thunderstorm Winds
Muncy	10	1905EST			0	0	3	0	Thunderstorm Winds
Clarkstown	10	1907EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts downed numerous trees and utility lines throughout the area. Some trees were uprooted in Pennsdale. Some utility poles were down in Montgomery. Portions of the roof were off a house in Muncy at 1901 EST and some buildings were damaged by falling trees at 1905 EST. A ground survey found the damage was all from straight line downburst winds estimated at 70 to 80 MPH. Hail from pea-size to 1.00 inch fell in Farragut.

### Columbia County

Orangeville	10	1955EST			0	0	3	0	Thunderstorm Winds
Jerseytown	10	2000EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts downed large trees at Orangeville and also uprooted many trees and downed utility lines in Jerseytown. Pea-to marble size-hail fell in Orangeville and in Millville.

### Huntingdon County

Grayville	14	0000EST			0	0	3	0	Thunderstorm Winds
2 NE Cottage	14	0005EST			0	0	3	0	Thunderstorm Winds
MCalevy's Fort	14	0010EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts downed trees.

### Centre County

Clarence	14	0005EST			0	0	3	0	Thunderstorm Winds
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Thunderstorm wind gusts downed numerous trees. Some individual trees were also down in a few other locations.

### Montgomery County

1 E Center Square	14	0240EST			0	0	3	0	Thunderstorm Winds
Horsham	14	0300EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts downed large trees on 5 properties in Horsham. The trees were up to 3 feet in diameter. East of Center Square trees were down across roads.

### Clinton County

1 N Rosecrans	15	1320EST	1.0	75	0	0	4	0	Tornado (F1)
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A tornado touched down near Rosecrans causing a damage path about 1 mile long and 50 to 75 yards wide. Many trees were broken and twisted in a general cyclonic pattern and bark was stripped off trees. One mobile home and a storage shed were destroyed. The roof was torn off another storage building. Several farm wagons and small farm implements were severely damaged or destroyed and one dog is missing. A 1500 gallon storage tank was carried over one quarter mile and dropped into Rosecrans reservoir. Eyewitnesses gave vivid descriptions of the tornado forming and moving through the area.

### Columbia County

Mordansville	15	1350EST			0	0	3	0	Thunderstorm Winds
					0	0	0	3	Hail (1.75)
Buckhorn	15	1353EST			0	0	4	0	Lightning
					0	0	?	?	Hail (1.75)
Jerseytown	15	1355EST			0	0	3	0	Thunderstorm Winds
Bloomsburg	15	1355EST			0	0	3	2	Hail (2.00)
Millville	15	1357EST			0	0	0	0	Funnel Cloud

Thunderstorm wind gusts blew over large trees and tore 2 mobile homes off their anchors. Damage was in or near the towns of Jerseytown and Millville. Eyewitnesses gave a vivid account of a funnel cloud between Jerseytown and Millville which did not touch down. One to two inch hail at

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## PENNSYLVANIA, Eastern Cont'd

Bloomsburg caused minor crop damage and minor damage to automobiles. Near Mordansville trees were down, a house roof and a mobile home roof were damaged and golf ball-size hail destroyed an entire field of corn. A lightning caused fire destroyed a barn near Buckhorn and golf ball-size hail also fell.

### Columbia County 1 ENE Berwick

15	1400EST								Tornado (F1)
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A tornado was seen to touch down in the Susquehanna River but then lift off before coming onshore.

### Luzerne County Wilkes-Barre

15	1430EST				0	25	6	0	Thunderstorm Winds
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Thunderstorm wind gusts caused damage from Newport Township to Jenkins Township. Damage was reported in Lee Park, Korn Krest, Nanticoke, Ashley, Plains and Bear Creek. As many as a thousand trees were down, uprooted or broken off. Tree limbs of all sizes were down along with utility lines and poles. Ten to 15 houses were damaged from wind or falling trees. A few had a portion of the roof blown off. Windows were blown in at a number of businesses. At one restaurant five people were injured by flying glass. Reports indicated that 25 to 30 people suffered minor injuries. At Pocono Downs racetrack 4 barns had portions of roofs blown off and the damaged roof on the closed circuit television booth allowed considerable rain water to get inside. Luckily only one horse received a minor injury. Portions of roofs were also blown off other commercial buildings in the area and a golf course had a large number of trees down. One elderly woman suffered a heart attack and died after a tree was blown into her house.

### Carbon County Lehighton

15	1436EST				0	0	3	0	Thunderstorm Winds
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Thunderstorm wind gusts uprooted trees, turned over picnic tables and downed utility lines. Marble-size hail also fell.

### Delaware County 2 S Media

15	1437EST				0	0	?	0	Hail (0.75)
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Dime-size hail was reported.

### Carbon County 2 SW Trachsville Meckesville

15	1442EST				0	0	3	0	Thunderstorm Winds
15	1448EST				0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts downed numerous tree limbs southwest of Trachsville and large tree limbs in Meckesville. Large hail was reported in both locations.

### Dauphin County Halifax Harrisburg 3 E Harrisburg Hummelstown

15	1509EST				0	0	3	0	Thunderstorm Winds
15	1543EST				0	0	3	0	Thunderstorm Winds (G51)
15	1555EST				0	0	4	0	Thunderstorm Winds
15	1624EST				0	0	3	0	Thunderstorm Winds

Thunderstorm winds downed many large trees and utility lines throughout the area. Other locations reporting damage were Highspire, Paxtang, Penbrook, Steelton and at 3 miles north and 5 miles northeast of Harrisburg. A tree fell on an automobile 3 miles north of Harrisburg, a tree fell on a house 3 miles east of Harrisburg and a tree fell through the roof of a house 5 miles northeast of Harrisburg. A tree also fell on an automobile in Steelton. A wind gust to 59 MPH was measured atop the Federal Building in Harrisburg.

### Monroe County Appenzell Stroudsburg

15	1512EST				0	0	3	0	Thunderstorm Winds
15	1525EST				0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts brought down large limbs in Appenzell. Large hail was also reported. Several trees were uprooted and power lines were down in Stroudsburg.

### York County (CXY) Capital City Airport

15	1600EST				0	0	3	0	Thunderstorm Winds (G50)
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# Storm Data and Unusual Weather Phenomena

July 1992

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

## PENNSYLVANIA, Eastern Cont'd

Thunderstorm wind gusts were measured at 50 knots at the airport and a few large trees were downed.

**Schuylkill County**  
Kelayres to  
MCadoo

15	1607EST	1.5	50	0	2	6	0		Tornado (F2)
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A tornado touched down doing considerable damage along a mile and a half path which was 100 to 150 feet wide. One house and one mobile home were destroyed in Kelayres. Along the entire path 15 homes and 5 apartments received major structural damage. Minor structural damage was done to another 23 homes, 7 apartments and 5 commercial buildings. Sheds and garages were blown away and public buildings damaged. The township municipal building had most of the roof and the chimney gone. Many fences, awnings and porches were blown away and numerous automobiles were damaged by flying or falling debris. Trees were down all along the path, uprooted or broken off, as well as many limbs of all sizes.

**Lebanon County**  
Palmyra  
Cornwall

15	1619EST			0	0	3	0		Thunderstorm Winds
15	1637EST			0	0	3	0		Thunderstorm Winds

Thunderstorm wind gusts downed several large trees and also utility lines in both Palmyra and Cornwall. The chimney on one house was also damaged.

**Schuylkill County**  
2 SW Andreas

15	1630EST			1	0	3	0		Thunderstorm Winds
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Thunderstorm wind gusts brought down large trees and tree limbs. One limb blown off a tree hit a famer on the head as he was driving a tractor. The farmer was killed and the tractor ran off the road and into a tree. (M61V)

**Lancaster County**  
Marietta  
Columbia  
3 W Millersville  
Lancaster

15	1639EST			0	0	3	0		Thunderstorm Winds
15	1708EST			0	0	3	0		Thunderstorm Winds
15	1713EST			0	0	3	0		Thunderstorm Winds
15	1715EST			0	0	3	0		Thunderstorm Winds

Thunderstorm wind gusts downed large trees and utility lines.

**Lehigh County**  
Allentown

15	1640EST			0	0	4	0		Thunderstorm Winds
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Thunderstorm wind gusts uprooted trees and downed many large branches and utility lines. One large tree came down on a house. Most of the roof was blown off a line of houses and an adjoining house also had severe roof damage.

**Berks County**  
Fleetwood

15	1647EST			0	0	3	0		Thunderstorm Winds
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Thunderstorm wind gusts downed many large limbs and utility lines.

**Northampton County**  
2 N Chapman

15	1700EST	1.5	33	0	0	3	2		Tornado (F1)
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A tornado touched down on a 1.25- to 1.50-mile path that was 75 to 100 feet wide. Trees and utility lines were down and corn stalks were twisted down in a circular clockwise pattern.

**Northampton County**  
3 W Nazareth

15	1702EST			0	0	3	0		Thunderstorm Winds
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Thunderstorm wind gusts downed large limbs and utility lines.

**Northampton County**  
1 E Bethlehem

15	1710EST	0.25	16	0	0	0	0		Tornado (F0)
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A tornado was seen by eyewitnesses to touch down briefly in a shopping center parking lot one mile east of center city. There was no damage.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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### PENNSYLVANIA, Eastern Cont'd

#### Monroe County Sciota

15	1710EST				0	0	3	0	Thunderstorm Winds Hail (0.75)
					0	0	?	?	

Thunderstorm wind gusts brought down large tree limbs and dime-size hail fell.

#### Delaware County 0.75 SE Lima

15	1700EST	0.75	100	0	0	5	0	Tornado (F1)
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A tornado touchdown, uprooting, knocking over or snapping off hundreds of trees. Almost 30 homes and several automobiles were damaged by falling trees. Twenty-five utility poles were pulled out of the ground.

#### Lackawanna County Archibald

15	1714EST				0	0	3	0	Thunderstorm Winds
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Thunderstorm wind gusts downed trees and utility lines. Large trees and utility lines were also down in Rockdale where pea-size hail fell at 1710 EST.

#### Philadelphia County (PHL) Philadelphia Intl Airport 2.5 SSE Manayunk

15	1727EST				0	0	?	0	Thunderstorm Winds (G52)
15	1740EST				1	1	0	0	Lightning

A thunderstorm wind gust of 60 MPH was recorded at the airport. Wind gusts estimated at over 60 MPH were reported in South Philadelphia at 1637 EST. Lightning striking at a ballfield killed a man and injured another. (M290)

#### Bucks County Perkasie Southampton

15	1735EST				0	0	3	0	Thunderstorm Winds
15	1744EST				0	0	?	0	Thunderstorm Winds (G53)

Thunderstorm wind gusts downed trees in East Rockhill Township near Perkasie and were estimated at over 60 MPH in Southampton.

#### Franklin County 3 S Upper Strasburg

17	1509EST				0	0	6	0	Thunderstorm Winds
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Thunderstorm wind gusts caused extensive damage at the Letterkenny Army Depot. There was damage to approximately 20 buildings. Holes were torn into roofs of several warehouses. One large warehouse lost about a third of its roof. Walls were torn off or pushed in on several steel buildings. A tied down trailer was torn loose and demolished. A refrigerator inside the trailer was blown 75 yards. Another large trailer was overturned and moved 50 feet. Numerous automobile and building windows were broken. A large portable steel frame and canvas "clam shell" building, valued at \$250,000 was destroyed. Also about 50 trees were down. The microburst damage was over a 1 mile wide and 3 mile long area. The damage was about 500,000 dollars to property and about \$100,000 to supplies.

#### Franklin County Waynesboro

17	1519EST				0	0	3	0	Thunderstorm Winds
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Thunderstorm wind gusts brought down trees.

#### Snyder County 4 SW Middleburg 2 NW Middleburg

17	1644EST- 1700EST	4.5	75	0	4	5	3	Tornado (F1)
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The tornado touched down and caused a two vehicle accident on highway 522. One vehicle was lifted and pushed into the path of the other vehicle. Four people were injured, one of them critically. The tornado brought down many trees along the path and crossed a small grass airstrip. In fields just to the north of the airstrip corn was down partly along the path and partly to the right perpendicular to the path. There also was a 5 foot wide strip of pulverized corn plants. One barn was deroofed and one was demolished. Many small sheds and buildings were destroyed. A mobile home about 100 feet east of the tornado was knocked off its foundation. A home about 25 feet west of the tornado suffered roof and window damage. A home where the barn was deroofed also was deroofed. One cow was killed by debris from a silo that was attached to the deroofed barn.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## PENNSYLVANIA, Eastern Cont'd

Several chickens were killed at the same farm.

**Dauphin County**  
2 N Hummelstown 17 1712EST 0.75 33 0 0 5 0 Tornado (F1)

The tornado touched down three times along the short path which was 50 to 100 feet wide. The first touchdown was for about 1/8 mile and 200 to 300 trees were downed. The tornado lifted off for about 1/8 mile then touched down for another 1/8 mile. In this second touchdown 15 houses were damaged. One severely and the others with minor damage to siding and shingles. A chain link fence had the poles bent over at the concrete mountings. Tree limbs 1 inch in diameter and 2 feet in length were embedded in the vinyl siding on some houses. The tornado again lifted off for about 1/4 mile and then touched down again for about 1/10 mile before ending. In this last area one home suffered minor damage and several trees were downed. Damage was estimated at \$60,000 dollars.

**York County**  
1 W Bonair 17 1730EST 0 0 3 0 Thunderstorm Winds

Thunderstorm wind gusts took the roof off a shed, broke windows in houses and knocked down small trees.

**Lebanon County**  
2 NE Palmyra 17 1734EST 1.0 25 0 0 4 0 Tornado (F1)

The tornado path was 50 to 75 feet wide. One home had structural damage and another had roof damage. There was roof shingle and siding damage to several more. There was structural damage to a barn and a spring house. Windows were broken out of some homes. Another barn, 2 sheds and a swimming pool were also damaged. Tree branch missiles punctured house siding and an automobile radiator. One large tree was picked up and carried over a house. There were 50 to 100 large trees knocked down or snapped off. There were 5 sightings of funnel clouds reported and one report by police of a tornado on the ground.

**Lebanon County**  
3 N Annville 17 1744EST 0 0 0 0 Funnel Cloud

Funnel cloud sightings were reported by the public 3 miles north of Annville and near Bunker Hill and 3 sightings were reported 4 miles north of the city of Lebanon.

**Montour County**  
2 W Washingtonville 17 1745EST 0.5 20 0 0 0 2 Tornado (F0)

A small tornado was observed to touch down briefly twice in a cornfield.

**Berks County**  
1 W Rehersburg 17 1804EST 0.03 20 0 0 3 0 Tornado (F0)

Several eyewitnesses sighted a funnel cloud, but only a brief touchdown could be found. Several trees were down in a small area 150 feet long and 60 feet wide.

**Lebanon County**  
3 N Avon 17 1810EST 1.0 30 0 0 5 ? Tornado (F2)

The tornado demolished a large cattle barn. A large part of this barn was picked up and thrown over a large bank barn. The roof and silo on the bank barn were damaged. One house had significant damage and two others had minor roof and spouting damage. There were two sightings of a funnel cloud. The damage path was 20 to 30 yards wide. Damage was estimated at \$98,000.

**Lebanon County**  
5 NW Myerstown  
3 N Myerstown 17 1830EST-  
1835EST 0.5 30 0 0 5 ? Tornado (F1)

The tornado did major damage to an A-Frame house when it toppled a large stone chimney into the the A-Frame displacing some of the rafters several feet. A large barn received major damage. Four other houses and a barn received minor damage. An amateur video of the tornado appeared to show two separate tornadoes at first, then 4 minutes later one multiple vortex tornado was apparent. Two minutes later a single funnel was visible. The damage path was 20 to 30 yards

# Storm Data and Unusual Weather Phenomena

July 1992

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

## PENNSYLVANIA, Eastern Cont'd

wide and the damage estimate was \$90,000.

Berks County 2 E Strausstown	17	1827EST			0	0	3	0	Thunderstorm Winds (G53)
					0	0	?	?	Hail (0.75)
2.5 E Krumville	17	1921EST			0	0	3	3	Thunderstorm Winds

Thunderstorm wind gusts brought down a few trees and utility lines and also broke large limbs near Strausstown. The winds were reported in excess of 60 MPH. Dime-size hail also fell. East of Krumville large limbs and utility lines were downed. There also was some crop damage.

Chester County 2 W Unionville 1 NE Unionville	17	1930EST- 1938EST	4	100	0	0	5	0	Tornado (F2)
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The tornado had a continuous path for 4 miles. Many trees were blown down or snapped off. The side of an old barn, that had been converted into a restaurant, was blown out. Damage was estimated at \$250,000. Although damage indicated an F2 tornado in a few spots, most of the path was only F1 intensity.

Chester County West Chester	17	1935EST			0	0	?	0	Hail (1.00)
West Chester	17	1945EST			0	0	?	0	Hail (0.75)

Thunderstorms dropped hail on the town.

Lehigh County 1 SE Fogelsville	17	1943EST			0	0	3	0	Thunderstorm Winds
2 NE Emmaus	17	2003EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts brought trees and branches down near Fogelsville. Small hail also fell. Large limbs, a few trees and some wires were down near Emmaus. Wind gusts estimated at possibly in excess of 60 MPH.

Philadelphia County Roxboro	17	2030EST			0	0	3	0	Thunderstorm Winds
1 E Manayunk	17	2030EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts downed trees and utility lines.

Lycoming County 2 E Salladasburg	20	1850EST			0	0	3	0	Thunderstorm Winds
1 S Barbours	20	1921EST			0	0	3	0	Thunderstorm Winds
2 W Unityville	20	1955EST			0	0	3	0	Thunderstorm Winds

Thunderstorm wind gusts brought down trees and large limbs.

Susquehanna County Susquehanna	29	1700EST			0	0	3	0	Thunderstorm Winds
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Thunderstorm wind gusts downed trees and a grape arbor. Many of the trees were uprooted.

Bucks County 2 NE Tullytown	31	1447EST	0.05	25	0	0	3	0	Tornado (F0)
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A tornado touched down briefly at the Fairless Steel plant. The tornado tore branches off trees but did not hit any buildings or other property.

## PENNSYLVANIA, Western

Beaver County 15 SW Beaver	10	1404EST			0	0	0	0	Thunderstorm Winds
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Powerlines and large trees were knocked down in Hanover Township.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## PENNSYLVANIA, Western Cont'd

**Allegheny County**  
Pittsburgh  
10 E Pittsburgh  
10 N Pittsburgh

10	1406EST- 1455EST				0	0	1	0	Thunderstorm Winds Hail (0.75)
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At 1406 EST there was a 64-mph gust at the Greater Pittsburgh Airport and another gust of 83 mph at 1407 EST. At Imperial, hail of 0.75 inches in diameter was reported at 1412 EST. At 1413 EST, 0.75 inch hail at Montour Run exit of Parkway West. At 1421 EST, gust to 72 mph at Carnegie Science Center in downtown Pittsburgh; reported gusts of 55 to 60 mph for ten minutes; damage to tents near Point State Park. At 1424 EST, up to 0.75-inch hail at Robinson Township. At 1430 EST, tree limbs down at Moon Interchange of Parkway West. At 1455 EST, powerlines down in Braddock Hills. At 1450 EST Shadyside, Crafton, and Squirrel Hill all had reports of downed trees and powerlines. At 1455 EST, trees were down at Hampton Township, 10 North Pittsburgh.

**Blair County**  
Altoona  
10 SE Altoona

10	1510EST				0	0	0	0	Thunderstorm Winds Hail (0.75)
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Gust to 60 mph at Altoona Flight Service Station and 0.75-inch hail at Williamsburg.

**Fayette County**  
16 SW Uniontown

10	1522EST				0	0	0	0	Thunderstorm Winds
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Trees and powerlines down at Point Marion.

**Westmoreland County**  
12 NW to 10 E  
Greensburg

10	1525EST				0	0	0	0	Thunderstorm Winds
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At 1525 EST, many trees and powerlines down in Murraysville. At 1528 EST, trees down in LaTrobe and Export.

**Cambria County**  
8 SW to 10 S  
Ebensburg

10	1542EST				0	0	0	0	Thunderstorm Winds
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Powerlines and trees down in Jackson Township and Beaverdale.

**Lawrence County**  
8 E to 10 S  
New Castle

10	1625EST				0	0	0	0	Thunderstorm Winds
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Numerous trees and powerlines down in Ellwood City. Trees down in Scott Township at fire department showgrounds.

**Somerset County**  
10 N Somerset

10	1625EST				0	0	0	0	Thunderstorm Winds
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Trees down in Jenner Township.

**Westmoreland County**  
LaTrobe

10	1630EST				0	0	0	0	Hail (0.75)
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Hail measuring 0.75 inch in diameter was reported near LaTrobe.

10 W Greensburg  
14 NE Greensburg  
18 E Greensburg

10	1700EST				0	0	0	0	Thunderstorm Winds
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Trees and wires down north Huntingdon Township as well as Ligonier, Derry, and Perry Townships.

**Elk County**  
10 NW Ridgway

10	1723EST				0	0	0	0	Thunderstorm Winds
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Large trees were downed in Highland.

9 E Ridgway

10	1730EST				0	0	0	0	Thunderstorm Winds
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Trees uprooted in St. Mary's by thunderstorm winds.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>PENNSYLVANIA, Western Cont'd</b>									
Cameron County 11 S Emporium 7 W Emporium 15 SE Emporium	10	1732EST			0	0	0	0	Thunderstorm Winds
									Large trees down in Hick's Run, west of Truman, and in Sinnemahoning.
Elk County Ridgway	10	1810EST			0	0	0	0	Thunderstorm Winds
									Numerous trees were downed in Ridgway.
Clarion County 9 W Clarion	10	1830EST			0	0	?	0	Thunderstorm Winds
									Trees were downed in Knox and one landed on a house.
Butler County 19 N Butler	10	1855EST			0	0	0	0	Thunderstorm Winds
									Large trees fell 5 miles northwest of Eau Claire.
Washington County 2 NW Washington	10	1920EST			0	0	0	0	Thunderstorm Winds
									Trees fell in Wolfdale.
Westmoreland County 21 N Greensburg	10	2042EST			0	0	0	0	Thunderstorm Winds
									Trees fell in west Leechburg and Vandergrift.
Armstrong County	10	2045EST			0	0	0	0	Thunderstorm Winds
									Powerlines and trees were down in numerous locations.
Allegheny County 20 E Pittsburgh	10	2045EST			0	0	0	0	Thunderstorm Winds
									Trees were uprooted at Tarentum.
9 E Pittsburgh	10	2100EST			0	0	0	0	Thunderstorm Winds
									Gust to 65 mph were reported at Sheridan.
Butler County 9 NE Butler	12	2300EST			0	0	0	0	Thunderstorm Winds
									Tree were downed in Concord Township by thunderstorm winds.
Beaver County 9 SW Beaver	12	2315EST			0	0	0	0	Thunderstorm Winds
									Powerlines were downed in Midland.
Lawrence County 9 NW New Castle	12	2245EST- 2247EST	0.3	100	0	0	2	0	Tornado (F0)
									Roof and structural damage occurred and one old barn collapsed. Trees and powerlines were downed.
Beaver County Beaver	13	1930EST			0	0	0	0	Funnel Cloud
									A funnel cloud was sighted at Beaver.
6 E Beaver 6 SE Beaver	13	1945EST			0	0	0	0	Funnel Cloud Thunderstorm Winds
									Funnel cloud sighted over New Sewickley Township. A large tree was blown down in Baden.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>PENNSYLVANIA, Western Cont'd</b>									
Erie County 23 SW Erie	13	1945EST			0	0	0	0	Thunderstorm Winds
									Wind gust to 60 mph were reported at West Springfield and Albion.
Allegheny County 13 NE Pittsburgh	13	1950EST			0	0	0	0	Funnel Cloud
									Funnel cloud was sighted near Bradford Woods and Wexford.
Beaver County 2 SE Beaver	13	1955EST			0	0	0	0	Funnel Cloud
									A funnel cloud was sighted near Monaca.
Butler County 16 SW Butler	13	2000EST			0	0	0	0	Thunderstorm Winds
									Large trees were downed in Cranberry Township.
Allegheny County 14 NE Pittsburgh	13	2010EST- 2012EST	0.5	50	0	0	3	0	Tornado (F0)
									Tornado was sighted in Marshall and Pine Townships. Large trees were down in Bakerstown and building damage occurred in Pine Township.
Erie County 19 S Erie	13	2018EST			0	0	0	0	Thunderstorm Winds
									Powerlines and large trees were blown down 1 mile south of Edinboro.
Crawford County 18 SW Meadville	13	2048EST			0	0	0	0	Hail (0.75)
									Hail measuring 0.75 inch in diameter was reported at Jamestown.
6 N Meadville	13	2055EST			0	0	0	0	Thunderstorm Winds
									Powerlines and large trees were downed in Saegertown.
Venango County Franklin	13	2100EST			0	0	0	0	Thunderstorm Winds
									Powerlines and large trees were blown down at Franklin.
Armstrong County 4 S Kittanning	13	2125EST			0	0	3	0	Thunderstorm Winds
									A mobile home was blown off its foundation in Ford City.
Clarion County 7 N Clarion	13	2200EST			0	0	0	0	Thunderstorm Winds
									Large trees were blown down in Lucinda.
Jefferson County Brookville	13	2220EST			0	0	0	0	Thunderstorm Winds
									Large trees were downed in Brookville blocking roads.
Clarion County 14 SW Clarion	13	2230EST			0	0	0	0	Flash Flood
									Flooding in New Bethelhem and Rimersburg of Leisure Creek and other small tributaries of Red Bank Creek. Southern part of county had road and basement flooding.
Jefferson County 5 SW to 5 NW Brookville	13	2240EST			0	0	0	0	Thunderstorm Winds Flash Flood

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>PENNSYLVANIA, Western Cont'd</b>									
Large trees and powerlines were blown down in Summerville, Sigel, and Rose Township. Road and basement flooding occurred in Summerville.									
Butler County 7 SE Butler	13	2245EST			0	0	0	0	Flash Flood
Road flooding occurred in Jefferson Township.									
Clearfield County 6 SW to 17 E Clearfield	13	2305EST			0	0	0	0	Thunderstorm Winds
Large trees were blown down in Curwensville and Moshannon State Forest near Winburne.									
Armstrong County 14 NW Kittanning	13	2315EST			0	0	0	0	Flash Flood
Streams and creeks overflowed in Hillville.									
Jefferson County 12 S Brookville	13	2330EST			0	0	0	0	Flash Flood
Road and small creek flooding occurred in Ringgold and basement flooding occurred in Perry Township.									
Butler County 4 E to 6 NE Butler	13	2330 EST			0	0	?	0	Thunderstorm Winds Lightning
Large trees and powerlines were downed in Summit Township. A lightning induced fire to fuel storage tank in Oakland Township.									
Clearfield County 14 S Clearfield	14	0010EST			0	0	0	0	Thunderstorm Winds
Large trees and powerlines were downed in Smoke Run near Madera.									
Jefferson County 17 SE Brookville	14	0020EST			0	0	0	0	Thunderstorm Winds
Large trees and powerlines were downed in Punxsutawney and Big Run by thunderstorm winds.									
Westmoreland County	14	0100EST			0	0	0	0	Thunderstorm Winds
Large trees and powerlines were downed near Beaver Run Dam.									
Cambria County 6 W Ebensburg	14	0115EST			0	0	0	0	Thunderstorm Winds
Large trees were downed and power outages occurred in Nanty Glo.									
Erie County 9 S Erie	14	1750EST			0	0	0	0	Thunderstorm Winds
Powerlines and large trees were downed in Middleboro.									
Crawford County 18 W Meadville	14	2005EST			0	0	0	0	Thunderstorm Winds
Numerous trees and powerlines were down in the Pymatuning Reservoir area blocking roads.									
Erie County 13 SW Erie	14	2010EST			0	0	0	0	Thunderstorm Winds
Powerlines and large trees were downed in Fairview and Girard.									
2 SW Erie	14	2030EST			0	0	0	0	Thunderstorm Winds
Large trees were blown down at Erie Municipal Golf Course.									

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>PENNSYLVANIA, Western Cont'd</b>									
<b>Jefferson County</b> 7 NE Brookville Brookville	15	1320EST			0	0	0	0	Flash Flood
									Flooding occurred on Route 968 near Richardsville, a tributary of North Fork. The road was covered by 2 to 3 feet of water near Brookville.
3 NE Brookville	15	2100EST			0	0	0	0	Flash Flood
									Water was overtopping North Fork Dam and was 3 feet over creek bank on North Fork Creek.
<b>Elk County</b> Ridgway	15	2030EST			0	0	0	0	Flash Flood
									Clarion River at Ridgway overflowed banks, but did not cause damage.
<b>Erie County</b> 7 SE Erie	18	1230EST			0	0	0	0	Thunderstorm Winds
									Sixty-mph wind gust were reported 5 miles north of Waterford.
12 SE Erie	20	1245EST			0	0	0	0	Thunderstorm Winds
									Powerlines and large trees were blown down at Waterford.
19 SE Erie	20	1320EST			0	0	0	0	Hail (0.75)
									Hail measuring 0.75 inch in diameter was reported at Union City.
<b>Venango County</b> Oil City	20	1345EST			0	0	0	0	Hail (0.75)
									In Oil City, 0.75-inch hail was reported.
<b>Warren County</b> 7 N Warren	20	1400EST			0	0	0	0	Thunderstorm Winds
									Powerlines and large trees were downed at Russell.
<b>Clarion County</b> 8 NE Clarion	20	1602EST			0	0	0	0	Thunderstorm Winds
									Trees were downed in Fisher by thunderstorm winds.
<b>Jefferson County</b> 2 N Brookville	20	1605EST			0	0	?	0	Lightning
									Two miles north of Brookville, lightning caused a house fire.
<b>Butler County</b> 11 S Butler	20	1655EST			0	0	0	0	Thunderstorm Winds
									Trees were down in Cooperstown.
<b>Armstrong County</b> Countywide	20	1702EST			0	0	0	0	Thunderstorm Winds
									Numerous trees were blown down across the county, specifically in Kiski.
10 E Kittanning	20	1702EST- 1705EST	0.5	20	0	0	0	0	Tornado (F0)
									Cowanshannock residents saw a tornado 50 to 70 feet wide pick up some pine trees. The tornado traveled for 0.5 mile and ripped a barn door off.
<b>Warren County</b>	20	1712EST			0	0	0	0	Thunderstorm Winds
									Trees were downed throughout county.
<b>Clarion County</b> 4 SE Clarion	20	1724EST			0	0	0	0	Thunderstorm Winds

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>PENNSYLVANIA, Western Cont'd</b>									
Trees were blown down in Mechanicsville.									
<b>McKean County</b> 18 S Bradford	20	1727EST			0	0	0	0	Flash Flood
The southern branch of Kinzua Creek overflowed its banks and flooding occurred in Kane.									
<b>Crawford County</b> 22 NE Meadville	20	1730EST			0	0	0	0	Flash Flood
Road flooding occurred in Centerville and Spartansburg.									
<b>Jefferson County</b>	20	1750EST			0	0	0	0	Thunderstorm Winds
Trees were down throughout county.									
<b>Crawford County</b> Meadville	20	1815EST			0	0	0	0	Thunderstorm Winds
Powerlines and large trees were downed at Meadville.									
8 SW Meadville	20	1830EST			0	0	0	0	Flash Flood
Water across road at Route 6 and Conneaut Lake.									
<b>Indiana County</b> 6 S Indiana	20	1830EST			0	0	0	0	Thunderstorm Winds Flash Flood
Powerlines were downed in Homer City. Bridge washed out on Route 69 in Mason.									
<b>Warren County</b> Warren	20	1928EST-							
7 N Warren	21	0020EST			0	0	6	0	Flash Flood
7 W Warren									
12 W Warren									
Significant flooding in Warren, North Warren, Pittsfield, Youngsville, Sheffield, Russell, and Starbrick. Twenty-five properties were damaged in North Warren and Russell as Jackson Run came out of its banks and flooded Route 62. By 1945 EST, Route 62 was closed from North Warren to the New York State border. The water was reported to be 4 feet deep on Routes 62 and 957 near Russell. Flooding of Route 6 at Youngsville and Pittsfield continued until 0020 EST of July 21. A total of 44 homes sustained major damage while 262 homes had minor damage. In a mobile home park, six mobile homes were destroyed with 15 others having water 1 to 2 feet deep inside. Four businesses had major damage with a North Warren car dealership losing 150 new and used cars, as well as equipment and tools. The owner said that the water was chest deep in 20 minutes. Youngsville and Sheffield High Schools had damage with roofs leaking and water 6 feet deep. Conewango Creek crested at Russell 0.1 feet above the flood stage of 9.1 feet at 2100 EST.									
<b>Venango County</b> Oil City	20	1930EST			0	0	0	0	Flash Flood
Flooding occurred across many roads at Oil City.									
<b>Forest County</b> 7 N Tionesta	20	1930EST			0	0	0	0	Flash Flood
Roads were flooded in West Hickory.									
<b>Cameron County</b> 7 NW Emporium	20	1930EST			0	0	0	0	Flash Flood
Flooding of roadways occurred at Elk River.									
<b>Elk County</b> 11 N Ridgway	20	1930EST			0	0	0	0	Flash Flood
Flooding of roadways occurred in Wilcox.									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standar	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>PENNSYLVANIA, Western Cont'd</b>									
McKean County 21 SW Smethport	20	1930EST			0	0	0	0	Flash Flood
	Flooding of roadways occurred in Kane.								
McKean County 10 SW Smethport	20	2000EST			0	0	0	0	Flash Flood
	Kane and Mt. Jewett reported roadways being flooded.								
Allegheny County 11 NE Pittsburgh	23	1245EST			0	0	0	0	Flash Flood
	Street flooding occurred in Franklin Park.								
Westmoreland County 13 SW Greensburg	23	1320EST			0	0	0	0	Thunderstorm Winds
	Trees were downed and power outages occurred in Smithton, Rostraver, Sutersville, and West Newton.								
9 E to 12 NW Greensburg	23	1340EST			0	0	0	0	Flash Flood
	Street and low-land flooding in LaTrobe and Murrysville. Two to three feet of water on Brush Creek Road.								
Allegheny County 3 E Pittsburgh	23	1420EST			0	0	0	0	Flash Flood
	Parkway West Route 60 in Findlay closed due to road flooding. Water three feet deep and roadways were closed for nearly 2 hours.								
Somerset County 18 N to 7 NW Somerset	23	1525EST			0	0	0	0	Thunderstorm Winds
	Many trees were blown down in Conemaugh and Lincoln Townships.								
Cambria County Johnstown	23	1435EST			0	0	0	0	Flash Flood
	Water on Routes 56 and 403 and in city of Johnstown.								
Westmoreland County 13 NW Greensburg 5 NE Greensburg Greensburg	23	1530EST			0	0	0	0	Flash Flood
	Major street flooding in Murrysville and Greensburg. Six feet of water in basements in Saybrook Village on Route 819 north of Greensburg. Fourteen basements were flooded in Crabtree.								
Fayette County 9 SW Uniontown	24	0745EST			0	0	0	0	Flash Flood
	Flooding occurred on Little Borrow of Masontown south of Pt. Marion.								
Greene County 8 E Waynesburg	24	0750EST			0	0	0	0	Flash Flood
	Flooding occurred on Route 21 from Rogersville to Graysville and Holbrook on Route 18. Fox Run near Holbrook closed.								
Westmoreland County Greensburg	24	0805EST			0	0	0	0	Flash Flood
	Flooding occurred in Greensburg.								
Lawrence County 11 SW New Castle	24	1807EST			0	0	0	0	Thunderstorm Winds
	Trees and large limbs down along Route 551 in Little Beaver Township.								

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>PENNSYLVANIA, Western Cont'd</b>									
Allegheny County 12 NE Pittsburgh	24	1915EST			0	0	0	0	Thunderstorm Winds Hail (0.75)
In Bradford Woods and Wexford, 0.75-inch hail was reported. Large trees were downed in Bradford Woods. Rainfall of 2.25 inches fell in 1 hour and caused a mudslide.									
Westmoreland County 7 N Greensburg	24	2030EST			0	0	0	0	Thunderstorm Winds
Twenty large trees were uprooted 7 miles north of Greensburg.									
9 N to 6 E Greensburg	24	2100EST- 2115EST	1.5	50	0	0	4	0	Tornado (F1) Hail (1.75)
A tornado touched down intermittently between Slickville and Derry. Trees and wires fell in Slickville, Saltsville, and Crabtree. A tree fell on a house in Mt. View between LaTrobe and Greensburg at 2100 EST. At 2115 EST, pea- and marble-size hail covered the ground near LaTrobe. Golf ball-size hail fell at Derry and Mountainview.									
6 NE to 9 E Greensburg	24	2120EST- 0300EST			0	0	4	0	Flash Flood
Flooding in Crabtree washed a car into a stream. Route 119 was washed out and closed. In LaTrobe, 80 to 100 homes were flooded, and street and basement flooding occurred. Side roads near LaTrobe were covered by 5 to 6 feet of water. Streets were impassable. Six homes were flooded in Saybrook Village along Route 819. Water reached the first floor in some of the houses and one house measured the water level to be 6 feet deep. Over two and half inches of rain fell in 1 hour.									
Allegheny County 19 E Pittsburgh	26	1655EST			0	0	0	0	Flash Flood
Street flooding occurred in Verona.									
Westmoreland County 6 NW Greensburg	26	1800EST- 1840EST			0	0	0	0	Flash Flood
Road and basement flooding occurred in Jeannette, Claridge, Harrison City, and Shafton. Road flooding also occurred in Larimer.									
Washington County 6 N Washington	26 27	2000EST- 0400EST			0	0	0	0	Flash Flood
Flooding occurred along Route 519 in Hickory and in Canonsburg and Houston. Over five inches of rain fell in about 3 hours in Houston. Chartiers Creek overflowed its banks in Canonsburg. Buildings were flooded in Chartiers and Canonsburg. At 2100 EST, roads were washed out in Houston and Chartiers Creek was close to washing out a bridge. There was five inches of water standing on the roads and Route 519 was closed. At 2248 EST, Route 219 was closed. The flooding of roads occurred in North Strabane and Peters Townships from Chartiers Creek and Chartiers Run.									
Somerset County 20 NE to 14 S Somerset	26	2020EST			0	0	0	0	Flash Flood
Basement and road flooding occurred in North Windber and Meyersdale.									
Butler County 14 SW Butler	29	1520EST			0	0	0	0	Flash Flood
Two feet of water accumulated on Route 19 in Jackson Township.									
Armstrong County 8 S Kittanning	29	1610EST			0	0	0	0	Flash Flood
Kelley Station, Plum Creek, and Bethel reported road flooding.									

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<b>PENNSYLVANIA, Western Cont'd</b>									
Allegheny County 25 NE Pittsburgh	29	1615EST			0	0	0	0	Thunderstorm Winds
Trees and powerlines were knocked down in Tarentum and Brackenridge.									
Westmoreland County	30	2100EST- 2215EST			0	0	0	0	Flash Flood
Four inches of water accumulated on roads in LaTrobe. One building was flooded in Derry.									
Beaver County	30 31	2348EST- 0100EST			0	0	0	0	Flood Flash Flood
Route 8 was closed in the northern part of the county as water covered roadways up to 15 feet wide.									
Forest County 5 SE Tionesta	31	0125EST			0	0	0	0	Flash Flood
Nebraska Bridge on Tionesta Creek southeast of Tionesta.									
<b>RHODE ISLAND</b>									
Kent County W Greenwich Coventry	14 14	1800EST 1915EST			0 0	0 0	? ?	0 0	Thunderstorm Winds Thunderstorm Winds
Trees were blown down in separate thunderstorm events.									
Washington County N Kingstown	14	2030EST			0	0	?	0	Thunderstorm Winds
Trees were blown down in the northern portion of Kingstown.									
Providence County Narragansett Bay	14	2040EST	?	?	0	0	0	0	Waterspout
A waterspout on Narragansett Bay crossed the Washington Bridge on Interstate 95 between Providence and East Providence, and then back into the bay. The height of the spout as reported by SKYWARN to be 15 to 18 feet.									
<b>SOUTH CAROLINA</b>									
Beaufort County Beaufort	01	1500EST			0	0	?	0	Thunderstorm Winds
1 E Gardens Corner	01	1515EST			0	0	?	0	Lightning Thunderstorm Winds
Colleton County 2 S Cottageville	01	1520EST			0	0	?	0	Thunderstorm Winds
Smoaks	01	1540EST			0	0	?	0	Thunderstorm Winds
7 WNW Henderson- ville	01	1540EST			0	0	?	0	Thunderstorm Winds
1 S Walterboro	01	1540EST			0	0	?	0	Thunderstorm Winds
Charleston County Edisto Island	01	1547EST			0	0	?	0	Thunderstorm Winds
Orangeburg County Springfield	01	1548EST			0	0	?	0	Thunderstorm Winds
Bamberg County	01	1555EST			0	0	?	0	Thunderstorm Winds
Charleston County Hollywood	01	1556EST			0	0	?	0	Thunderstorm Winds
Ravenel	01	1556EST			0	0	?	0	Thunderstorm Winds
Orangeburg County Orangeburg	01	1556EST			0	0	?	0	Thunderstorm Winds (G58)
Dorchester County Summerville	01	1600EST			0	0	?	0	Hail (1.75)

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					Killed	Injured	Property	Crops	
<b>SOUTH CAROLINA Cont'd</b>									
Charleston County									
Charleston	01	1600EST			0	0	?	0	Thunderstorm Winds
McClellanville	01	1605EST			0	0	?	0	Thunderstorm Winds
Dorchester County									
St. George	01	1601EST			0	0	?	0	Thunderstorm Winds
1.5 S Harleyville	01	1605EST			0	0	?	0	Thunderstorm Winds
Berkeley County									
9 SSW Moncks Corner	01	1607EST			0	0	?	0	Thunderstorm Winds (G55)
Charleston County									
Mt. Pleasant	01	1610EST			0	0	?	0	Thunderstorm Winds (G60)
Williamsburg County									
Kingstree	01	1625EST			0	0	?	0	Thunderstorm Winds
Berkeley County									
Goosse Creek	01	1627EST			0	0	?	0	Thunderstorm Winds
Calhoun County									
Cameron	01	1630EST			0	0	?	0	Thunderstorm Winds
Lexington County									
Leesville	01	1635EST			0	0	?	0	Hail (0.75)
Calhoun County									
9 WNW St. Matthews	01	1640EST			0	0	?	0	Thunderstorm Winds
1 E St. Matthews	01	1641EST			0	0	?	0	Thunderstorm Winds
Dorchester County									
Summerville	01	1645EST			0	0	3	0	Lightning
Clarendon County									
1 W Manning	01	1648EST			0	0	?	0	Thunderstorm Winds
Calhoun County									
Cameron	01	1655EST			0	0	?	0	Thunderstorm Winds
St. Matthews									
Georgetown County									
1700EST	01	1700EST			0	0	?	0	Thunderstorm Winds
Florence County									
Lake City	01	1710EST			0	0	?	0	Thunderstorm Winds
Sumter County									
Sumter	01	1715EST			0	0	?	0	Thunderstorm Winds
Kershaw County									
Camden	01	1718EST			0	0	?	0	Thunderstorm Winds
Laurens County									
2 E Clinton	01	1724EST			0	0	2	0	Thunderstorm Winds
Florence County									
Florence	01	1739EST			0	0	?	0	Thunderstorm Winds (G50)
Horry County									
N. Myrtle Beach	01	1759EST			0	0	?	0	Thunderstorm Winds
Georgetown County									
Yauhannah	01	1800EST			0	0	?	0	Thunderstorm Winds

A line of severe thunderstorms, about 100 miles wide, perpendicular to the coast, moved northeastward in a line from the Savannah River, through the Midlands and Coastal Plain, to the North Carolina border, causing widespread power outages, and downing trees. Lightning struck a home in Summerville. The strike did not start a fire, but blew a hole in the roof and damaged some electrical circuits. The storm in Laurens County was not associated with the line of storms. A few trees were downed there.

Charleston County									
8 N Edisto Beach	03	1130EST			0	0	?	0	Thunderstorm Winds

A spotter reported winds gusting to near 60 mph and downed trees.

Laurens County									
Ware Shoals	03	1330EST			0	0	3	0	Thunderstorm Winds

Trees were downed and the porch on a house was damaged.

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					Killed	Injured	Property	Crops	
<b>SOUTH CAROLINA Cont'd</b>									
Lexington County									
Irmo	03	1410EST			0	0	?	0	Urban Flood
Leesville	03	1410EST			0	0	?	0	Thunderstorm Winds
There was street flooding in Irmo, and some trees were downed in Leesville. Both events occurred with separate storms.									
Oconee County									
Westminster	05	1901EST			0	0	?	0	Thunderstorm Winds
Anderson County									
Anderson	05	1910EST			0	0	3	0	Thunderstorm Winds
Oconee County									
Seneca	05	1915EST			0	0	3	0	Thunderstorm Winds
Pickens County									
2 S Central	05	1920EST			0	0	?	?	Thunderstorm Winds
Greenville County									
Piedmont	05	1945EST			0	0	?	0	Thunderstorm Winds
A derecho, weakening as it moved from Georgia into South Carolina, produced winds strong enough to cause scattered damage. Many areas reported gusts to 45 mph, while a few spots had gusts in the 60 mph range. Trees and power lines were knocked down, with associated power outages, in Westminster, Seneca, Anderson, along the Pickens/Anderson County border near Central and near Piedmont.									
Beaufort County									
Burton	15	1930EST			0	0	3	0	Lightning
Lightning struck a house, setting it ablaze. Damage was estimated at \$2,500.									
Oconee County									
Walhalla	17	2200EST			0	0	2	0	Thunderstorm Winds
Greenville County									
Greenville	17	2230EST			0	0	3	0	Thunderstorm Winds
A severe thunderstorm moving across the Upstate produced wind damage in Walhalla and Greenville. At Walhalla, a few trees were blown down and a stone bird bath was blown across a yard and street. In Greenville, a number of trees and power lines were downed in the downtown area causing power outages for many people throughout the night.									
Richland County									
Arcadia Lakes	19	1940EST			0	0	?	0	Thunderstorm Winds
A brief severe thunderstorm blew down trees and road signs, knocking out power to areas of Arcadia Lakes.									
Spartanburg County									
Chesnee	20	2120EST			0	0	?	?	Lightning Heavy Rain
A nearly stationary thunderstorm complex nearly flooded some areas as water approached bridge and road levels. Very intense lightning caused a number of problems with electronics and caused widespread power outages.									
Greenville County									
Greenville Downtown Airport	21	1915EST			0	0	5	0	Thunderstorm Winds (G60)
Spartanburg County									
Greenville-Spartanburg Airport	21	1926EST			0	0	2	0	Thunderstorm Winds (G57)
Gowensville	21	1950EST			0	3	?	0	Lightning
Cooley Springs	21	2000EST			0	0	4	0	Thunderstorm Winds

Numerous thunderstorms covered the Upstate during the evening and only one became severe. While most thunderstorms were moving randomly in a very light upper level wind flow, this storm suddenly began moving northeast at about 20 knots. At Greenville Downtown Airport (GMU),

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<b>SOUTH CAROLINA Cont'd</b>									
winds estimated at 60 knots turned over four aircraft. One aircraft was completely destroyed, while the others sustained heavy damage. The storm moved to the Greenville-Spartanburg Airport (GSP), where the wind gusted to 57 knots. Little damage occurred there, but some trees were downed on the eastern side of Greer after the storm moved across the airport. More damage occurred at Cooley Springs, where a well built barn was destroyed, other utility buildings were destroyed, and a number of trees were downed. Near Gowensville, lightning struck a church and injured three people inside. One of the injured was transported to a hospital.									
<b>Union County</b>									
Carlisle	22	1430EST			0	0	0	0	Funnel Cloud
2 NE Union	22	1435EST			0	0	?	?	Thunderstorm Winds
Deputies followed a funnel cloud until it dissipated. Trees and limbs were blown across a rural road outside Union.									
<b>Oconee County</b>									
Salem	22	1510EST			0	0	?	?	Thunderstorm Winds
Southern Portion	Trees and limbs were downed and there were reports of power outages.								
<b>Lexington County</b>									
W Columbia	22	1630EST			0	0	?	0	Thunderstorm Winds Lightning
<b>Richland County</b>									
Columbia	22	1630EST			0	0	?	0	Thunderstorm Winds Lightning Flood
Lightning and winds caused scattered power outages to sections of the Columbia metropolitan area. Yard and road flooding occurred in the Meadowlake subdivision near the intersection of Waccamaw and North Main Streets, and along a 0.5-mile length of Hardscrabble Road.									
<b>Charleston County</b>									
Charleston	23	PM			0	0	?	0	Urban Flood
Sections of Charleston had street flooding.									
<b>Horry County</b>									
Myrtle Beach	25	2330EST			0	0	?	0	Urban Flood
A thunderstorm with heavy rain caused urban flooding at the intersection of Kings Highway and Third Avenue.									
<b>Pickens County</b>									
Easley	31	1510EST			0	0	?	0	Thunderstorm Winds
<b>Greenville County</b>									
Greenville	31	1530EST			0	0	4	0	Thunderstorm Winds
E Greenville	31	1545EST			0	0	4	0	Thunderstorm Winds
<b>Spartanburg County</b>									
1 S Greenville- Spartanburg Airport	31	1552EST			0	0	4	0	Thunderstorm Winds
5 N Spartanburg	31	1605EST			0	0	?	0	Thunderstorm Winds (G52)
<b>Abbeville County</b>									
Abbeville	31	1640EST			0	0	2	0	Thunderstorm Winds
<b>Greenwood County</b>									
Greenwood	31	1650EST			0	0	4	0	Thunderstorm Winds
Dyson Area	31	1710EST			0	0	?	0	Thunderstorm Winds

Two severe thunderstorms caused quite a few problems. The first became severe at Easley and then moved across the City of Greenville to near Pelham and the Greenville-Spartanburg Airport (GSP). It continued moving northeast and produced its last severe weather north of Spartanburg before it weakened. Most damage consisted of numerous downed trees and power lines and the resulting power outages, some of which lasted all night. The second severe storm caused the same types of problems as it moved from Abbeville to just south of Greenwood and then to the south part of Lake Greenwood.

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## SOUTH CAROLINA Cont'd

Aiken County 3 N Wagener	31	1830EST			0	0	?	0	Thunderstorm Winds
Orangeburg County Neeses	31	1910EST			0	0	?	0	Thunderstorm Winds

Trees were blown down in Neeses and near Wagener from two separate thunderstorms.

## SOUTH DAKOTA

Minnehaha County Sioux Falls	01	1600CST- 2300CST			0	0	4	2	Urban Flood
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Heavy rains of 3.50 to 5.50 inches flooded streets and basements and stalled and stranded many cars. Some streets were closed in the eastern and southern parts of the city because of high water up to 4 feet deep.

### Lincoln and Minnehaha Counties

Harrisburg to Valley Springs	01	2100CST- 2130CST			0	0	5	4	Thunderstorm Winds (G80)
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Downburst winds and hail destroyed or damaged farm buildings at eight or more farms. At least two barns were destroyed, and trees, power lines, and fences were blown down. Considerable hail and heavy rains up to six inches wiped out crops.

### Lake County

8 N Madison	01	2300CST			0	0	3	0	Lightning
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A lightning-started fire destroyed an abandoned farmhouse.

### Minnehaha, Lincoln, and Union Counties

Corson SD to Akron IA	02 05	0000CST- 0000CST			0	0	2	4	Flood
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Due to the heavy rains of July 1st, Split Rock Creek and the Big Sioux River flooded to as high as 3 feet above flood stage. The flooding caused damage to cropland and temporarily flooded roads and parks.

### Meade County

Black Hawk	03	1716MST			0	0	0	1	Hail (1.75)
Pennington County Rapid City	03	1730MST- 1740MST			0	0	1	0	Hail (2.00)

In addition to one to two inch-diameter hail, very heavy rains caused street flooding in Rapid City.

### Bon Homme County

2 N Springfield	04	2300CST			0	0	4	0	Lightning
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Lightning started a fire destroying 160 hay bales.

### Todd County

2 N Rosebud	05	0000MST			0	0	4	0	Thunderstorm Winds (G70)
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Violent thunderstorm winds leveled a 16- by 70- foot mobile home.

### Perkins County

6 SW White Butte	06	0155MST			0	0	2	3	Hail (2.00)
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Hail broke windows and caused some crop damage.

Lemmon	06	0210MST			0	0	4	3	Hail (1.50)
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Hail caused mostly minor damage to some buildings and over 50 vehicles in the Lemmon area.

### Corson County

16 S Thunder Hawk to 10 S Keldron	06	0215MST- 0230MST			0	0	3	4	Hail (1.75)
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Hail pounded crops, vehicles, and buildings, causing considerable damage.

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<b>SOUTH DAKOTA Cont'd</b>									
10 S Morristown	06	0235MST			0	0	2	3	Hail (1.50)
McIntosh	06	0250MST			0	0	0	1	Hail (0.75)
Walworth County									
Mobridge	06	0512CST			0	0	1	1	Hail (0.75)
Glenham	06	0530CST			0	0	1	2	Hail (1.75)
Selby	06	0550CST			0	0	3	3	Hail (1.75)
Marble- to golf ball-size hail damaged vehicles, trees, and gardens.									
Edmunds County									
Bowdle	06	0620CST			0	0	0	1	Hail (0.75)
McPherson County									
Hillsview	06	0625CST			0	0	0	1	Hail (0.75)
Edmunds County									
Roscoe	06	0631CST			0	0	0	1	Hail (0.75)
Spink County									
Northville	06	0720CST			0	0	0	1	Hail (0.75)
Brown County									
Warner	06	0720CST			0	0	0	1	Hail (0.75)
Spink County									
Mellette	06	0725CST			0	0	0	1	Hail (0.75)
Harding and Perkins Counties									
S of Reva to S of Bison	06	2200MST- 2230MST			0	0	3	4	Hail (?)
Severe hail extended in a band at least 1 mile wide and 30 miles long. The hail stripped trees and fields of crops and grass, battered houses, and forced livestock to run through a wire fence.									
Perkins County									
SW of Bison	06	2220MST	1.5	30	0	0	5	1	Tornado (F1)
A tornado tore off the roof of a house and the rain, wind, and hail caused severe damage to the contents. Sheds and barns were blown apart. On another farmstead the tornado lifted a 40,000-bushel grain bin into the air and dropped it on the roof of a nearby building.									
Hughes County									
Pierre	07	0300CST			0	0	3	0	Lightning
Lightning struck a large tree causing wooden shards to tear a hole in the roof of a car 30 feet away.									
Stanley County									
7 E Hayes	07	0600CST			0	0	0	0	Hail (1.75)
Hughes County									
Pierre	07	0630CST			0	0	0	0	Thunderstorm Winds (G60)
Thunderstorm winds blew down some power lines and poles in the Pierre area.									
Davison County									
2 W Mitchell	07	0700CST			0	0	4	0	Lightning
A lightning-caused fire destroyed a building.									
Ziebach County									
20 NW Cherry Creek	07	0730CST			0	0	2	1	Hail (0.75)
Pennington County									
Near New Underwood	07	1236MST	0.5	15	0	0	0	0	Tornado (F0)
1 S Wall	07	1415MST			0	0	0	0	Thunderstorm Winds (G50)
Harding County									
Buffalo	07	1728MST			0	0	0	0	Thunderstorm Winds (G53)
Pennington County									
15 E Rapid City	07	1938MST	0.5	15	0	0	0	0	Tornado (F0)
Charles Mix County									
Academy	07	2005CST			0	0	1	0	Thunderstorm Winds (G50)

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<b>SOUTH DAKOTA Cont'd</b>									
High winds caused tree damage in Academy.									
Union County W of Spink	07	2100CST			0	0	1	3	Hail (?)
Hail caused considerable crop damage west of Spink.									
7 N Elk Point to Near Akron IA	07	2115CST- 2130CST			0	0	1	2	Thunderstorm Winds (G50) Hail (0.75)
High winds and hail caused power outages and downed some trees.									
Hand County Ree Heights 10 NW Miller to 5 N Vayland	07	2127CST			0	0	0	0	Thunderstorm Winds (G61)
	07	2120CST- 2145CST			0	0	2	4	Hailstorm
A severe hail and wind storm caused a 2- to 3-mile-wide swath of damage. Crops were pounded into the ground by large amounts of pea-sized hail.									
5 NW Miller Miller	07	2127CST			0	0	0	2	Hail (0.75)
	07	2140CST			0	0	4	0	Thunderstorm Winds (G61)
Winds up to 75 mph took down trees and power lines in the Miller area and destroyed a building under construction just east of Miller.									
Beadle County Wessington Wessington	07	2145CST			0	0	1	4	Hail (1.75)
	07	2155CST			0	0	3	1	Thunderstorm Winds (G60)
High winds downed some large trees and limbs, tipped over a large truck, and damaged siding on some houses in the Wessington area. Golf ball-size hail destroyed crops east of Wessington.									
Wolsey area	07	2211CST			0	0	1	4	Hail (2.25)
Hail severely damaged crops northeast of Wolsey.									
2 to 4 W Huron	07	2213CST			0	0	1	4	Hail (1.00)
					0	0	3	2	Thunderstorm Winds (G70)
Hail destroyed crops and high winds downed power poles and trees.									
Huron Huron	07	2215CST			0	0	2	4	Hail (1.00)
	07	2220CST			0	0	5	2	Thunderstorm Winds (G72)
A severe thunderstorm caused considerable damage in Huron especially on the north side of the city. At the Huron Airport, two airplanes were destroyed and three hangars and National Weather Service equipment severely damaged. Material was blown 200 yards from the original site. Near the area wind gusts of 111 mph were recorded. A warehouse roof was torn off and scattered for a quarter mile to the east. A number of large trees were uprooted with some falling on vehicles. A 22-foot sailboat was launched 100 yards into a gully near the James River. To the north of Huron a mobile home was destroyed and hail piled up to 2 feet deep.									
Pennington County 15 E Rapid City	08	1530MST			0	0	1	1	Hail (1.00)
Hail destroyed gardens and stripped trees in Caputa.									
New Underwood	08	1646MST			0	0	1	1	Hail (1.00)
Butte County 5 NE Newell	08	1919MST			0	0	1	1	Hail (1.00)
Meade County Union Center	08	2000MST			0	0	0	1	Hail (0.75)
Roads were covered with hail.									
Fall River County 10 S Oelrichs	09	1306MST	0.3	10	0	0	0	0	Tornado (F0)

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<b>SOUTH DAKOTA Cont'd</b>									
<b>Todd County</b>									
Rosebud	09	1600MST			0	0	2	0	Thunderstorm Winds (G55)
A severe thunderstorm hit the Rosebud area with high winds blowing over a mobile home and piling hail into 3-inch drifts.									
9 S Mission	09	1620MST			0	0	3	0	Thunderstorm Winds (G60)
A severe storm picked up an empty camper and slammed it into a mobile home, causing extensive damage.									
<b>Sully County</b>									
Onida	09	2000CST- 2030CST			0	0	0	1	Hail (0.75)
<b>Spink County</b>									
4 SE Mellette	09	2118CST			0	0	0	1	Hail (0.75)
<b>Hand County</b>									
Miller to Wessington	09	2110CST- 2130CST			0	0	2	3	Hail (0.75)
Hail was reported to have caused some damage in a path 1.2 miles wide from near Miller to Wessington.									
<b>Day County</b>									
7 SW Bristol	09	2202CST			0	0	1	2	Hail (1.00)
<b>Miner County</b>									
Near Howard	11	0038CST			0	0	4	0	Lightning
A lightning caused fire destroyed a barn that killed 20 calves.									
<b>Shannon County</b>									
Oglala	11	Evening			0	0	4	0	Thunderstorm Winds (G?)
High winds demolished a fire department mobile home.									
<b>Lawrence County</b>									
Belle Fourche	14	2120MST			0	0	3	0	Thunderstorm Winds (G59)
Strong thunderstorm winds ravished numerous trees in Belle Fourche.									
<b>Pennington County</b>									
15 E Rapid City	14	2157CST			0	0	1	0	Thunderstorm Winds (G62)
A 71-mph wind gust was recorded at the National Weather Service office at Rapid City Airport.									
<b>Meade County</b>									
Sturgis	14	2203MST			0	0	2	0	Thunderstorm Winds (G50)
10 E Enning	14	2238MST			0	0	1	0	Thunderstorm Winds (G50)
<b>Walworth County</b>									
Mobridge	14	2350CST			0	0	0	0	Thunderstorm Winds (G60)
<b>Hughes County</b>									
Pierre Airport	15	0103CST			0	0	0	0	Thunderstorm Winds (G55)
<b>Edmunds County</b>									
Bowdle	15	0110CST			0	0	1	0	Thunderstorm Winds (G52)
Roscoe	15	0120CST			0	0	0	2	Hail (0.75)
<b>McPherson County</b>									
10 NE Leola	15	0201CST			0	0	0	1	Hail (0.75)
<b>Brown County</b>									
12 NE Leola	15	0210CST			0	0	0	0	Hail (0.75)
<b>Spink County</b>									
Northville	15	0255CST			0	0	5	0	Lightning
Lightning struck the bell tower of a 110-year-old church and started a fire. Within a couple of hours only the front steps and foundation remained.									
<b>Clark County</b>									
Elrod	15	0320CST			0	0	0	0	Hail (0.75)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>SOUTH DAKOTA Cont'd</b>									
<b>Tripp County Winner</b>	18	1525CST			0	0	3	1	Hail (1.75)
									Hail dented several vehicles and stripped gardens in Winner.
<b>Colome</b>	18	1600CST- 1620CST			0	0	5	5	Hail (2.50)
									Large hail damaged houses and vehicles and destroyed crops in an large area around Colome and throughout southern Tripp County. The hail killed 116 hogs on one farm.
<b>Brown County Hecla</b>	18	1655CST			0	0	5	5	Hail (1.75)
									Hundreds of acres of crops were destroyed in a hailstorm in the Hecla area. Also in northern Brown County, similar crop damage occurred around Barnard, Westport, and Houghton. Many vehicles were damaged and windows broken. In Hecla, hailstones knocked holes in the roof of the elementary school which resulted in water damage to classrooms. Other buildings also sustained damage from the hail. Tennis ball-size hail occurred 3 miles southeast of Hecla.
<b>Marshall County 2 W Amherst</b>	18	1715CST			0	0	1	2	Hail (0.75)
<b>Brown County N to E of Groton</b>	18	1815CST			0	0	4	5	Hail (1.75)
									Wind-driven large hail wiped out hundreds of acres of crops, damaged vehicles, and broke windows. Trees were downed in some areas by the strong winds.
<b>Day County 1 W Andover</b>	18	1835CST			0	0	2	4	Hail (0.75)
									Hail fell for about 25 minutes near the Day/Brown County line, severely damaging crops.
<b>Brown County 3 S Bath</b>	18	1900CST			0	0	2	4	Hail (0.75)
									Hail and high winds destroyed at least 500 acres of crops in the Bath area.
<b>Brown and Spink Counties 8 SE Stratford</b>	18	1940CST			0	0	2	3	Hail (1.75) Thunderstorm Winds (G52)
<b>Clark County Clark Northern Portion</b>	18	2010CST			0	0	3	5	Hail (0.75) Thunderstorm Winds (G52)
									Hail and high winds severely damaged hundreds of acres of crops in northern Clark County. Gardens and trees were damaged and a horse was killed by lightning.
<b>Spink County Turton</b>	18	2015CST			0	0	1	2	Hail (0.75)
<b>Doland</b>	18	2020CST			0	0	1	2	Hail (0.75)
<b>Charles Mix County Lake Andes to Wagner</b>	21	2230CST			0	0	3	2	Thunderstorm Winds (G65)
									Very strong easterly winds gusted to 75 mph following a line of thunderstorms through Charles Mix County, blowing over trees and causing branches to fall on power lines.
<b>Hutchinson County Tripp</b>	21	2315CST			0	0	2	1	Thunderstorm Winds (G52)
<b>Bon Homme County Springfield</b>	22	0000CST			0	0	2	3	Thunderstorm Winds (G55)
									High winds following thunderstorms nearly flattened some area crops and broke off large tree branches.

## Storm Data and Unusual Weather Phenomena

July 1992

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

### SOUTH DAKOTA Cont'd

Clay County Vermillion	22	0100CST			0	0	3	2	Thunderstorm Winds (G55) High easterly winds to the rear of a line of thunderstorms blew down trees on some homes and vehicles.
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Union and Lincoln Counties Alcester to Hudson	22	0130CST			0	0	2	2	Thunderstorm Winds (G55) Strong winds following thunderstorms laid over some fields of corn.
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Meade County Piedmont	24	1607MST			0	0	0	0	Hail (1.25)
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Pennington County New Underwood	24	1905MST			0	0	0	0	Hail (1.75)
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Harding County Ludlow	24	2006MST			0	0	3	4	Hail (1.75) Severe hail damage occurred in a swath to the east of Ludlow wiping out crops and knocking out many windows.
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Buffalo	24	2030MST	0.5	10	0	0	0	0	Tornadoes (F0) As many as three small tornadoes touched down briefly.
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Pennington County Hill City	26	1250MST			0	0	1	0	Hail (1.75)
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Custer County E of Custer	26	1445MST			0	0	1	0	Hail (1.00) One-inch-diameter hail occurred at Blue Bell Lodge in Custer State Park.
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Turner County Parker	27	1837CST- 1850CST			0	0	1	1	Hail (1.00)
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Clay County 5 S Centerville	27	2018CST			0	0	1	1	Hail (1.50)
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Fall River County Hot Springs	28	0110MST			0	0	2	0	Thunderstorm Winds (G52) Winds gusted to 60 mph taking shingles off of some houses.
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Custer County N of Custer	29	1205MST			0	0	1	0	Hail (1.75)
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Buffalo Gap	29	1320MST- 1343MST			0	0	3	0	Hail (1.75) Numerous windows were broken by hail near and east of Buffalo Gap.
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### TENNESSEE

Rhea County Graysville	02	1100CST			0	0	4	0	Flash Flood About 30 homes, several roads, and bridges were flooded as well.
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Montgomery County Clarksville	03	0130CST			0	0	2	0	Thunderstorm Winds Several trees were downed by thunderstorm winds. One tree fell and knocked a gutter loose from a house.
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Dickson County Colesburg	03	0215CST			0	0	3	0	Thunderstorm Winds A porch roof was ripped apart and five trees were downed.
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# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>TENNESSEE Cont'd</b>									
<b>Lewis County 6 E Hohenwald</b>	<b>03</b>	<b>0230CST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									One large tree was uprooted and several trees were broken.
<b>Williamson County Fairview</b>	<b>03</b>	<b>0245CST</b>			<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A local baseball park was damaged. A two-story concession building, several bleachers, fencing and some playground equipment were destroyed. Numerous trees and power lines were knocked down as well.
<b>Davidson County Antioch</b>	<b>03</b>	<b>0250CST</b>			<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A few trees were blown down.
<b>Williamson County Fairview</b>	<b>03</b>	<b>0250CST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A brick house had its roof blown off and a few trees were downed.
<b>Davidson County Nashville</b>	<b>03</b>	<b>0300CST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A tree was knocked down and fell on top of three cars.
<b>Wilson County 4W Lebanon</b>	<b>03</b>	<b>0300CST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Numerous trees and power lines were knocked down.
<b>Wilson County Mt. Juliet</b>	<b>03</b>	<b>0352CST</b>			<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>Flash Flood</b>
									Two homes were damaged by flood waters and several roads were covered by water.
<b>Sumner County Portland</b>	<b>03</b>	<b>0352CST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Flash Flood</b>
									Several roads were covered by flood waters.
<b>Lincoln County Fayetteville</b>	<b>03</b>	<b>0455CST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Numerous trees and power lines were knocked down.
<b>Morgan County Western Portion</b>	<b>03</b>	<b>0504CST</b>			<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A few trees were knocked down by thunderstorm winds.
<b>Campbell County LaFollette</b>	<b>03</b>	<b>0521CST</b>			<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Some trees were downed in LaFollette by thunderstorm winds.
<b>Anderson County Lake City</b>	<b>03</b>	<b>0550CST</b>			<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A few trees were knocked down.
<b>Davidson County</b>	<b>03</b>	<b>0550CST</b>			<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>Flash Flood</b>
									About 30 homes were evacuated when 4 feet of flood water reached some of the houses.
<b>Cumberland County Daysville</b>	<b>03</b>	<b>0609CST</b>			<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Several trees were knocked down.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>TENNESSEE Cont'd</b>									
Monroe County	04	1545CST			0	0	3	0	Thunderstorm Winds
									Several trees and power lines were knocked down throughout the county.
Obion County Union City	04	1706CST			0	0	0	0	Hail (.75)
									Dime-size hail was reported in Union City.
Weakley County Martin	04	1800CST			0	0	3	0	Thunderstorm Winds
									Several large tree limbs were blown down.
Gibson County Kenton	04	1805CST			0	0	0	0	Hail (.75)
									Dime-size hail fell with a thunderstorm in the area.
Humboldt	04	1950CST			0	0	0	0	Hail (1.75)
									Golf ball-size hail fell in the Humboldt area.
Carroll County 10 N Huntingdon	04	2030CST			0	0	2	0	Flash Flood
									Several secondary roads were under water.
Fayette County	04	2100CST			0	0	3	0	Thunderstorm Winds
									Numerous trees were knocked down throughout the county.
St. Joseph	04	2145CST			0	0	2	0	Thunderstorm Winds
									A large tree was blown down.
White County Doyle	05	1330CST			0	0	2	0	Thunderstorm Winds
									A few trees were knocked down.
Bledsoe County Pikeville	05	1400CST			0	0	3	0	Thunderstorm Winds
									Numerous trees were knocked down and one tree fell on top of a car.
Rhea County Southern Portion	05	1415CST			0	0	2	0	Thunderstorm Winds
									Several trees and power lines were knocked down.
Hamilton County 3 N Chattanooga	05	1430CST			0	0	3	0	Thunderstorm Winds
									Numerous trees were knocked down. One tree fell on top of a man, but the man was not injured.
Meigs County Southern Portion	05	1445CST			0	0	2	0	Thunderstorm Winds
									Some power lines were knocked down.
Bradley County Charleston	05	1505CST			0	0	3	0	Thunderstorm Winds
									Several trees and power lines were knocked down. One tree fell on top of a car.
Polk County Benton	05	1530CST			0	0	2	0	Thunderstorm Winds
									A few trees were knocked down.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>TENNESSEE Cont'd</b>									
<b>McMinn County</b> Athens	05	1550CST			0	0	3	0	<b>Thunderstorm Winds</b> Numerous trees and power lines were knocked down.
<b>Fayette County</b> Braden	05	2300CST			0	0	3	0	<b>Thunderstorm Winds</b> About 17 trees were knocked down by thunderstorm winds.
<b>Carter County</b> Elizabethton	06	1330CST			0	0	2	0	<b>Flash Flood</b> An earthen pond overflowed and sent some water onto a few nearby roads.
<b>Hamilton County</b> Northern Portion	14	1510CST			0	0	2	0	<b>Thunderstorm Winds</b> A few trees were blown down in the northern portion of Hamilton County.
<b>Rhea County</b> Spring City	14	1545CST			0	0	2	0	<b>Thunderstorm Winds</b> A few trees were knocked down in Spring City.
<b>Fayette County</b> Mason	14	1730CST			0	0	3	0	<b>Thunderstorm Winds</b> Around 30 trees were knocked down. Two houses and an outbuilding were damaged as well.
<b>Gibson County</b> Humboldt	14	1900CST			0	0	2	0	<b>Thunderstorm Winds</b> Several trees were knocked down. One tree demolished a chain link fence.
<b>Shelby County</b> Collierville	16	0830CST			0	0	3	0	<b>Lightning</b> One house sustained damage to a garage and driveway because of lightning. Televisions and VCRs in two nearby homes were damaged.
<b>Davidson County</b> Nashville	16	2015CST			0	0	2	0	<b>Thunderstorm Winds</b> Several trees were knocked down in Nashville.
<b>Sumner County</b> Portland	16	2100CST			0	0	2	0	<b>Thunderstorm Winds</b> Several trees were blown down in Portland.
<b>Hendersonville</b>	16	2100CST			0	0	2	0	<b>Thunderstorm Winds</b> A few trees were blown down by thunderstorm winds.
<b>Fayette County</b> Oakland	20	2115CST			0	0	3	0	<b>Flash Flood</b> Four homes were damaged by flood waters.
<b>Carroll County</b> Hollow Rock	21	1530CST			0	0	2	0	<b>Lightning</b> A large oak tree was damaged by a lightning strike.
<b>Putnam County</b> Cookeville	21	1630CST			0	0	3	0	<b>Lightning</b> A house was damaged by a fire started by lightning.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>TENNESSEE Cont'd</b>									
Grundy County Gruetli Laager	22	1400CST			0	1	0	0	Lightning
A man was injured by a lightning strike while using his telephone at work.									
Dickson County Cumberland Furnace	22	1505CST			0	0	2	0	Thunderstorm Winds
A few trees and power lines were blown down.									
Hamilton County Monteagle	23	1400CST			0	1	0	0	Lightning
A woman was injured by lightning while on the telephone.									
Shelby County Memphis	23	1940CST			0	0	2	0	Flash Flood
Between 1 and 2 feet of water covered several roads in the southern portion of Memphis.									
Hamilton County Bakewell Salem Soddy-Daisy New Salem	24	1445CST			0	0	2	0	Flash Flood
Highway 27 was covered by 3 feet of flood waters.									
Carter County Elizabethton	25	1400CST			0	0	2	0	Flash Flood
Several roads were flooded in Elizabethton.									
Blount County Alcoa	27	1330CST			0	0	2	0	Thunderstorm Winds
A tree was knocked down and hit two utility poles.									
Lauderdale County Henning	30	1215CST			0	0	0	0	Thunderstorm Winds
Winds gusted to around 60 mph in Henning.									
Ripley	30	1230CST			0	0	3	0	Thunderstorm Winds
A gazebo was severely damaged by thunderstorm winds.									
Madison County Jackson	30	1310CST			0	0	0	0	Thunderstorm Winds
Winds gusted to 60 mph in Jackson.									
Jackson	30	1500CST			0	0	3	0	Lightning
Three homes sustained damage from lightning strikes.									
<b>TEXAS, Panhandle</b>									
Clay County Charlie	02	2053CST			0	0	?	?	Hail (0.75)
Clay County Charlie	02	2054CST			0	0	?	?	Hail (1.75)
Knox County Benjamin	02	2055CST			0	0	?	?	Hail (1.00)
Knox County Munday	02	2055CST			0	0	?	?	Hail (1.00)
Clay County Thornberry	02	2105CST			0	0	?	?	Hail (1.00)

## Storm Data and Unusual Weather Phenomena

July 1992

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

### TEXAS, Panhandle Cont'd

Wichita County S Wichita Falls	02	2123CST			0	0	?	?	Hail (0.88)
Knox County Munday to Knox City	02	2128CST			0	0	?	3	Hail (1.75)
Wichita County Wichita Falls	02	2133CST			0	0	?	?	Hail (1.00)
Knox County Knox City	02	2137CST			0	0	?	?	Hail (1.00)
Knox County Knox City	02	2142CST			0	0	?	?	Hail (3.00)
Wichita County SW Wichita Falls	02	2145CST			0	0	?	?	Hail (0.88)
Wichita County Wichita Falls	02	2145CST			0	0	?	?	Hail (1.00)
Wichita County W Wichita Falls	02	2146CST			0	0	?	?	Hail (0.75)
Clay County Dean	02	2150CST			0	0	?	?	Hail (0.75)
Clay County Jolly	02	2157CST			0	0	?	?	Hail (0.75)
Clay County 15 SW Henrietta	02	2210CST			0	0	?	?	Hail (0.75)
Clay County Lake Arrowhead Dam	02	2214CST			0	0	?	?	Hail (0.75)
Archer County Archer City	02	2250CST			0	0	?	?	Hail (0.75)
Archer County 3 W Archer City	02	2255CST			0	0	?	?	Hail (0.75)

Severe thunderstorms across northwestern Texas brought 3.00 to 5.00 inches of rain, as well as hail up to baseball-size. A watermelon farm in Knox County reported losing 200 acres of prize watermelons in the storms because of hail up to golf ball-size.

Hartley County Middlewater	04	1635CST			0	0	0	0	Hail (0.75)
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A line of thunderstorms moved into the northwestern Texas Panhandle. One of the thunderstorms produced dime-size hail that was reported by a SKYWARN spotter in Middlewater.

Wheeler County Shamrock	10	1515CST			0	0	0	0	Hail (0.88)
Shamrock	10	1515CST- 1645CST			0	0	0	0	Flash Flood

A line of thunderstorms extended across the southeastern Texas Panhandle. Nickel-size hail was reported by the Shamrock Police Department. The police also reported flooding of roadways in the Shamrock area, with as much as 3 feet of water in some locations.

Randall County Canyon	10	1622CST			0	0	0	0	Hail (1.00)
Canyon	10	1637CST			0	0	0	0	Hail (1.00)
Potter County 5 N Amarillo	10	1659CST			0	0	0	0	Hail (0.75)

A severe thunderstorm developed in the central Texas Panhandle. Quarter-size hail was reported by a SKYWARN spotter in Canyon at 1622 CST. Minutes later the KAMR television meteorologist relayed a report of quarter-size hail also in Canyon. As the storm moved north, dime-size hail was reported by the KAMR television meteorologist in Pleasant Valley north of Amarillo.

Moore County 1 S Four Way	13	1510CST			0	0	0	0	Hail (1.00)
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## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property Crops	Character of Storm
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### TEXAS, Panhandle Cont'd

A line of thunderstorms developed across the northern Texas Panhandle. One of the thunderstorms developed rapidly and produced quarter-size hail that was reported by a SKYWARN spotter.

#### Wheeler County 1 E Shamrock

13	1955CST							Hail (0.75)
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A line of thunderstorms moved east across the Texas Panhandle. Dime-size hail was reported just east of Shamrock by the Shamrock Police Department.

#### Swisher County

14	1745CST							Hail (0.88)
14	1746CST							Hail (1.75)
14	1753CST							Hail (1.25)

#### Randall County

14	1753CST							Hail (1.25)
14	1754CST							Hail (0.75)
14	1756CST							Hail (1.75)

#### Swisher County

14	1803CST							Hail (0.88)
14	1807CST							Hail (1.25)

An area of thunderstorms developed in the south-central Texas Panhandle. A couple of the thunderstorms became severe and produced hail ranging from nickel- to golf ball-size. All hail was reported by law enforcement officials and a SKYWARN spotter.

#### Armstrong County

14	1838CST							Hail (0.75)
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#### Swisher County

14	1907CST							Hail (1.00)
14	1911CST							Hail (1.25)

The area of thunderstorms began to move east. Dime-size hail was observed by a SKYWARN spotter just east of Wayside. Quarter- to half-dollar-size hail was reported east of Kress by the Swisher County Sheriff's Office.

#### Archer County

14	2135CST							Hail (0.75)
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#### Archer County

14	2200CST							Hail (1.00)
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#### Archer County

14	2222CST							Hail (0.88)
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Severe thunderstorms in Archer County produced hail up to quarter-size.

#### Lipscomb County

15	1707CST							Hail (0.75)
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#### Lipscomb

15	1737CST							Hail (0.75)
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#### 3 S Follett

15	1800CST							Hail (2.50)
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Thunderstorms developed along a frontal boundary across the northeastern Texas Panhandle. A severe thunderstorm produced dime-size hail south of Follett and in Lipscomb. The hail was reported by the Lipscomb County Sheriff's Office. Just south of Follett, a National Weather Service Cooperative Observer reported hail up to tennis ball-size.

#### Armstrong County

15	1819CST							Hail (1.75)
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#### 1 S Washburn

15	1825CST							Hail (0.88)
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#### Randall County

15	1911CST							Hail (4.50)
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#### 11 SE Amarillo

15	1918CST							Hail (1.75)
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An isolated thunderstorm developed in the central Texas Panhandle. The storm became severe and produced golf ball-size hail just south of Washburn. Minutes later, nickel-size hail was reported at this same location. As the storm intensified, softball-size hail fell just west of the Armstrong/Randall County line. The hail continued, but diminished to golf ball-size by 1918 CST.

## Storm Data and Unusual Weather Phenomena

July 1992

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

### TEXAS, Panhandle Cont'd

A SKYWARN spotter reported the hail associated with this storm.

<b>Lipscomb County</b>									
Booker	15	2013CST			0	0	0	0	Hail (0.88)
Booker	15	2021CST			0	0	0	0	Hail (1.75)
<b>Hansford County</b>									
Gruver	15	2049CST			0	0	0	0	Hail (0.75)
5 N Gruver	15	2049CST			0	0	0	0	Hail (1.75)
4 E Gruver	15	2054CST			0	0	0	0	Hail (1.75)
6 N Gruver	15	2100CST			0	0	3	0	Thunderstorm Winds (G50)
<b>Ochiltree County</b>									
Perryton	15	2100CST			0	0	0	0	Hail (0.75)
Farnsworth	15	2115CST			0	0	0	0	Hail (0.88)

A line of thunderstorms continued to push southwest across the northeastern Texas Panhandle. Hail up to golf ball-size was reported near Gruver in Hansford County, and in Booker of Lipscomb County. These hail reports were relayed by KAMR and KFDA television meteorologists. All other hail reports of dime- to nickel-size were observed by law enforcement officials. The Hansford County Sheriff's Office reported that strong downburst winds tore the roof from a barn north of Gruver at 2100 CST.

<b>Hansford County</b>									
Gruver	16	0053CST			0	0	0	0	Hail (1.75)
5 N Morse	16	0115CST			0	0	0	0	Hail (0.75)

Thunderstorms along the cold front redeveloped during the early morning hours. Golf ball-size hail was reported by a spotter in Gruver. Later, Hansford County Sheriff's Office reported penny-size hail north of Morse.

<b>Hutchinson County</b>									
20 NE Stinnett	20	1420CST			0	0	0	0	Hail (0.88)

Thunderstorms developed rapidly along a frontal boundary across the north-central Texas Panhandle. One thunderstorm became severe and produced nickel-size hail in extreme northeastern Hutchinson County.

<b>Dallam County</b>									
	23	0234CST			0	0	0	0	Thunderstorm Winds (G60)

A line of thunderstorms moved into the northwestern Texas Panhandle during the early morning hours. One of the thunderstorms became severe and produced strong downburst winds in the Dalhart area. The Federal Aviation Administration contract observer in Dalhart reported a gust to 69 mph. No significant damage was reported with the downburst.

<b>Castro County</b>									
6 SE Dimmitt	26	1708CST			0	0	0	0	Hail (0.75)

An area of thunderstorms which began in east-central New Mexico moved northeast into the southwestern Texas Panhandle. The Castro County Sheriff's Office reported dime-size hail southeast of Dimmitt.

<b>Dallam County</b>									
	26	1711CST			0	0	0	0	Thunderstorm Winds (G50)

An area of thunderstorms in the northwestern Texas Panhandle produced strong, gusty winds. The Federal Aviation Administration contract observing station in Dalhart reported a gust to 58 mph.

<b>Collingsworth County</b>									
Wellington	30	1605CST			0	0	0	0	Hail (1.00)
Wellington	30	1619CST			0	0	0	0	Hail (1.00)

Early evening thunderstorms developed along a stalled frontal boundary. One of the thunderstorms became severe and produced quarter-size hail in Wellington. The hail was reported by the Collingsworth County Sheriff's Office.

<b>Wilbarger County</b>									
2 NW Vernon	30	1827CST			0	0	?	?	Thunderstorm Winds (G52)

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>TEXAS, Panhandle Cont'd</b>									
Wichita County Electra	30	1904CST			0	0	?	?	Thunderstorm Winds (G52)
Wilbarger County 7 W Electra	30	1905CST			0	0	?	?	Hail (0.75)
Severe thunderstorms produced strong winds and large hail across portions of Wichita and Wilbarger Counties.									
Armstrong County 2 E Claude	30	1840CST			0	0	0	0	Hail (1.00)
An outflow boundary from thunderstorms in the southern Texas Panhandle allowed development of thunderstorms toward the central Texas Panhandle. A severe thunderstorm produced quarter-size hail just east of Claude. The hail was reported by a SKYWARN spotter.									
<b>TEXAS, Northern</b>									
Taylor County Shep	01	1745CST			0	0	2	?	Hail (1.75)
8 SW View	01	1805CST			0	0	?	?	Hail (1.75)
7 SW Abilene	01	1825CST			0	0	?	?	Hail (1.00)
5 NE Buffalo Gap	01	1825CST			0	0	?	?	Hail (0.75)
At Shep, large hail broke windows.									
Throckmorton County 3 W Woodson	02	0040CST			0	0	?	4	Hail (1.75)
Large hail caused a watermelon crop to be lost.									
Haskell County 1 E O'Brien	02	2137CST			0	0	?	3	Hail (2.75)
Large hail severely damaged cotton crops.									
Wise County 5 W Alvord	02	2256CST			0	0	?	?	Thunderstorm Winds (G56)
Decatur	02	2315CST			0	0	?	?	Thunderstorm Winds (G52)
Montague County 6 N Nocona	03	0005CST			0	0	4	?	Thunderstorm Winds
7 NE Nocona	03	0015CST			0	0	3	?	Thunderstorm Winds
At Prairie Valley (6 miles north of Nocona), strong winds demolished a barn, ripped tin roofs from barns and houses, and hurled debris through the walls of a home. Uprooted trees fell on power lines, and outbuildings were blown down. On the eastern shore of Lake Nocona (7 miles northeast of Nocona), strong winds lifted shingles from roofs and toppled outbuildings. Boat houses were blown down on boats and docks.									
Palo Pinto Graford	03	0115CST			0	0	?	?	Hail (0.75) Thunderstorm Winds (G52)
Red River County Addielou	03	0224CST			0	0	2	?	Thunderstorm Winds
Strong winds uprooted a tree, and bent several other trees over.									
Lamar County 1 S Deport	03	0300CST			0	0	3	?	Lightning
Lightning struck a tree, killing seven cows and a large calf that were standing below its boughs.									
Jones County	03	0730CST- 0930CST			0	0	3	?	Flash Flood

# Storm Data and Unusual Weather Phenomena

July 1992

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

## TEXAS, Northern Cont'd

Heavy rains of more than three inches occurring within 2 hours, resulted in street flooding in Anson, where water entered a nursing home and a house. At 5 miles north of Anson, U.S. Highway 277 was under water, and water covered sections of U.S. Highway 83 between Anson and Hamlin.

Smith County									
2 W Garden Valley	03	1730CST			0	0	3	?	Thunderstorm Winds
Garden Valley	03	1750CST			0	0	?	?	Hail (0.75)

At 2 miles west of Garden Valley, strong winds downed trees.

<b>Lamar County</b>									
Paris	14	1705CST			0	0	?	?	Hail (0.88)
Paris	14	1710CST			0	0	?	?	Hail (1.75)
Paris	14	1715CST			0	0	?	?	Hail (0.75)
Camp Maxey	14	1753CST			0	0	?	?	Hail (0.75)
Powderly	14	1758CST			0	0	3	?	Hail (1.88)
Blossom	14	1802CST			0	0	?	?	Hail (1.75)
Deport	14	1930CST			0	0	4	?	Thunderstorm Winds
Deport	14	1930CST			0	0	3	?	Lightning
Blossom	14	1937CST			0	0	?	?	Hail (0.75)
Countywide	14	1930CST-							
		2230CST			0	0	?	?	Flash Flood
Blossom	14	2055CST			0	0	?	?	Hail (0.75)
Paris	14	2110CST			0	0	?	?	Hail (0.75)
Reno	14	2115CST			0	0	?	?	Hail (0.75)
Roxton	14	2143CST			0	0	?	?	Hail (0.75)

At Powderly, hail dented automobiles. At Deport, strong winds downed several large trees, many of which fell upon roofs. Two automobiles and a pickup truck were crushed. Falling trees also sheared off a gas meter and brought down a light standard. Also at Deport, lightning struck a pecan tree, causing it to explode, and lightning struck a power line, causing a surge that burned out televisions and appliances. Heavy rains of five to six inches resulted in flash flooding over the northeastern quarter of the county. Street flooding was widespread in both Paris and Blossom, and water covered sections of Farm-to-Market Road 195 within the 15 miles extending northeast from Paris.

<b>Red River County</b>									
7 S Detroit	14	1830CST			0	0	?	?	Hail (1.00)
1 W Detroit	14	2000CST			0	0	?	?	Hail (0.75)
<b>Jones County</b>									
5 S Anson	14	1920CST			0	0	?	?	Hail (1.75)
7 E Stamford	14	1930CST			0	0	5	3	Thunderstorm Winds
Avoca	14	2115CST			0	0	?	?	Hail (1.00)
Avoca	14	2115CST			0	0	?	?	Thunderstorm Winds (G52)

At 7 miles east of Stamford, strong winds lifted a portion of house's roof and uprooted several large trees. Three barns and a gas shed were blown down, and a section of metal roof and a wall section was blown from a fourth barn. A mobile home was demolished. Several fruit trees were blown over, and cotton was stripped of its leaves.

<b>Haskell County</b>									
Lake Stamford	14	1950CST			0	0	?	?	Hail (0.75)
Haskell	14	2005CST			0	0	?	?	Hail (0.75)
Tuxedo	14	2005CST			0	0	?	?	Hail (0.75)
<b>Throckmorton County</b>									
7 SW Throckmorton	14	2035CST			0	0	?	?	Hail (1.75)
1 S Throckmorton	14	2035CST			0	0	3	?	Thunderstorm Winds (G52)
Throckmorton	14	2043CST			0	0	4	?	Hail (1.75)
					0	0	3	?	Thunderstorm Winds (G52)
3 SE Throckmorton	14	2045CST			0	0	?	5	Hail (1.75)
Throckmorton	14	2055CST			0	0	3	?	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## TEXAS, Northern Cont'd

At 1 miles south of Throckmorton, strong winds blew power lines down and blew windows out of houses. At Throckmorton at 2043 CST, wind-driven hail broke windows of houses and businesses, and large hail damaged several roofs. At 3 miles southeast of Throckmorton, large hail battered 300 acres of cotton to the ground. In Throckmorton at 2055 CST, strong winds blew windows from houses and businesses, and brought power lines down.

Young County									
Proffitt	14	2115CST			0	0	?	?	Hail (0.75)
1 W Newcastle	14	2140CST			0	0	?	?	Hail (0.75)
Delta County									
Cooper	14	2230CST			0	0	?	?	Hail (0.75)
Hood County									
Granbury	14	0230CST			0	0	3	?	Lightning
Granbury	14	0235CST			0	0	3	?	Lightning

At 0230 CST, lightning struck an electric transformer, igniting a fire at a vacant house adjacent to it. At 0235 CST, lightning struck a lodge hall, disabling its telephone system.

Fannin County									
Bonham	15	0500CST			0	0	?	?	Hail (0.75)
Lamar County									
Paris	15	0500CST			0	0	?	?	Hail (0.75)
Denton County									
Roanoke	16	0900CST			0	0	4	?	Thunderstorm Winds
5 WSW Lewisville	16	0900CST			0	0	3	?	Thunderstorm Winds

At Roanoke, strong winds lifted the roof from a city sewage lift station, and also peeled the roof from a mobile home. A metal storage building, fences, and signs were also blown down, and trees were uprooted. The doors to the Precinct 4 Justice of the Peace office were blown open, causing the suspended ceilings of the courtroom and the justice's office to collapse. At Flower Mound (5 miles west-southwest of Lewisville), strong winds blew shingles from roofs and uprooted a large pecan tree.

Harrison County									
Marshall	16	1345CST			0	0	4	?	Thunderstorm Winds

Strong winds snapped several power poles in two, and blew six trees down, one of which crushed an automobile. Large tree limbs were blown down upon power lines, and onto the roof of a porch.

Taylor County									
View	16	1610CST			0	0	?	?	Hail (1.75)
Merkel	16	1615CST			?	?	?	?	Funnel Cloud
3 W Abilene	16	1617CST			0	0	?	?	Hail (1.75)
Abilene	16	1620CST			0	0	?	?	Hail (1.75)
3 N Tye	16	1640CST			0	0	?	?	Thunderstorm Winds (G52)
Tye	16	1640CST			0	0	?	?	Hail (2.75)
Dyess Air Force Base	16	1655CST			0	0	?	?	Thunderstorm Winds (G50)
Bradshaw	16	1745CST			0	0	3	?	Thunderstorm Winds

At Bradshaw, strong winds overturned storage buildings and uprooted several trees.

Jones County									
7 SW Hawley	16	1630CST			0	0	3	?	Hail (2.75) Thunderstorm Winds (G61)

Strong winds overturned farm equipment.

Throckmorton County									
Throckmorton	16	1630CST- 1730CST			0	0	5	?	Lightning

Numerous lightning strikes started several house fires.

Fannin County									
Bonham	17	0530CST- 0630CST			0	0	?	?	Flash Flood

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>TEXAS, Northern Cont'd</b>									
									Heavy rains caused several creeks in the city to overflow their banks.
Delta County	17	0545CST- 0900CST			0	0	?	?	Flash Flood
									Heavy rains resulted in many secondary roads across the county being flooded, and in Cooper, widespread street flooding occurred.
Franklin County Mount Vernon	17	0645CST- 0930CST			0	0	?	?	Flash Flood
									Heavy rains of three to four inches in about 3 hours resulted in street flooding, and the flooding of several service roads along Interstate 30.
Hopkins County	17	0645CST- 0930CST			0	0	3	?	Flash Flood
									Heavy rains of three to four inches occurring within 3 hours resulted in street flooding in Sulphur Springs, leaving motorists stranded, and water entered a five-and-ten-cent store. Several county roads around Sulphur Springs were also covered by flood waters.
Van Zandt County Martin Mills	17	1500CST			0	0	?	?	Hail (1.75)
Comanche County Comyn	17	1629CST			0	0	?	?	Hail (4.50)
De Leon	17	1644CST			0	0	?	?	Hail (1.75)
Brown County Brownwood	17	1630CST			0	0	?	?	Hail (1.75)
Brownwood	17	1825CST			0	0	?	?	Hail (1.00)
Henderson County 5 NW Trinidad	18	1430CST			0	0	5	?	Lightning
									Lightning struck a Piper Arrow 3 aircraft, flying at an altitude of 8,000 feet en route to Dallas. The airplane fell to the earth, landing in hundreds of pieces on the southwest side of Cedar Creek Reservoir, throwing the pilot's body about 300 yards from the bulk of the wreckage. (M510)
Dallas County Mesquite	22	1430CST			?	?	?	?	Funnel Cloud
Kaufman County Forney	22	1430CST			?	?	?	?	Funnel Cloud
Rockwall County Rockwall	22	1435CST			?	?	?	?	Funnel Cloud
Dallas County Grand Prairie	27	1340CST			0	1	?	?	Lightning
									Lightning struck a man operating a gasoline-powered grass trimmer, burning his neck and torso. Although he was rendered unconscious and later began to feel constant upper body pain, he did not suffer cardiac or nerve damage.
Tarrant County Benbrook	27	1738CST			0	0	?	?	Thunderstorm Winds (G52)
Fort Worth	27	1730CST- 1915CST			0	0	?	?	Flash Flood
									Heavy rains of two to three inches in a 1-hour period resulted in flash flooding in Fort Worth near the intersection of Interstate 35 west and Interstate 20, leading to several vehicles being abandoned. In southwestern Fort Worth, rainfall totals up to four inches led to street flooding.
Ellis County Ennis	27	1800CST			0	0	4	?	Thunderstorm Winds
									At a storage facility, strong winds demolished 13 of the 14 storage units contained within a segment built on a common foundation. Strong winds also blew tree limbs onto power lines, blowing fuses, and short-circuiting transformers.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>TEXAS, Northern Cont'd</b>									
Hopkins County Sulphur Springs	27	2030CST			0	0	3	?	<b>Lightning</b>
									Lightning struck the Police Department's radio tower, fusing the internal components of the station's base radio and in-house computer.
Ellis County Waxahachie	28	1515CST			0	0	3	?	<b>Lightning</b>
									Lightning struck transformers, causing power outages.
Navarro County Corsicana	28	1530CST			0	0	2	?	<b>Lightning</b>
									Lightning struck the roof of a house, starting a fire which burned a few shingles and a small amount of siding.
Collin County McKinney	28	1630CST			0	0	4	?	<b>Thunderstorm Winds</b>
									Strong winds blew trees down upon power lines.
Tarrant County Arlington	28	1655CST			?	?	?	?	<b>Funnel Cloud</b>
Titus County	29	0800CST- 1100CST			0	0	?	?	<b>Flash Flood</b>
									Heavy rains of nearly five inches in about 5 hours resulted in several farm to market roads across the county being closed, with water reported to a depth of 1 foot in spots. Many locations along U.S. Highway 271 between Mount Pleasant and Talco were under water, resulting in the closure of the highway. Cars and large trucks were flooded and stranded on U.S. Highway 67 east of Cookville. On the east side of Lake Monticello (6 miles southwest of Mount Pleasant), Farm-to-Market Road 127 was closed because of high water, and at 3 miles north of Cookville, Horse Creek rose out of its banks.
Morris County	29	0830CST- 1100CST			0	0	?	?	<b>Flash Flood</b>
									Heavy rains resulted in the closing of U.S. Highway 67, from 2 to 3 miles west of Omaha, because of water covering the road.
Franklin County	29	0900CST- 1130CST			0	0	?	?	<b>Flash Flood</b>
									Heavy rains of more than five inches resulted in several secondary roads across the northern half of the county being closed due to high water.
Wise County Newark	30	2315CST			0	0	4	?	<b>Thunderstorm Winds</b>
									Strong winds caused the roof of a house to collapse.
Tarrant County 3 W Watauga	31	0010CST			0	0	?	?	<b>Lightning</b>
									Lightning struck a power line, causing a surge which activated warning alarms.
McLennan County Hewitt	31	1805CST			0	0	?	?	<b>Hail (0.88)</b>
<b>TEXAS, Southern</b>									
Victoria County 1 S Victoria	03	1607CST	0.03	10	?	?	?	2	<b>Tornado (F0)</b>
									Personnel at the Guadalupe-Blanco River Authority reported a tornado south of Victoria and near Loop 175. Only minor tree damage was reported.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>TEXAS, Southern Cont'd</b>									
<b>Brazoria County</b> Alvin	03	1500CST			1	?	?	?	Lightning
A 25-year-old male was killed when he was struck by lightning. The man was riding in the back of a pickup truck on Farm-to-Market Road 2917 near Alvin M25.									
<b>Orange County</b> 2 N Vidor	15	1345CST	0.05	20	?	?	4	3	Tornado (F1)
A tornado cut a path 100 yards long across an area north of the Four Oaks Ranch Road. A mobile home was destroyed and several trees were damaged. Power and telephone lines were downed in the area.									
<b>Val Verde County</b> Devils River	18 19	1230CST- 1500CST			?	?	?	?	Flood
Three to five inches of rain fell over central Val Verde County during the late morning hours. At 1330 CST, local time the bridge at Devils Crossing had 6.5 feet of water over it. Flood water did not recede until late afternoon the next day.									
<b>Countywide</b>	19	0400CST			?	?	?	?	Flash Flood
Rainfall reports of four and half inches in less than 4 hours were made from Northwest and East of Comstock. The Highway Department reported Highways 1024 and 163 closed with 2 to 3 feet of water over parts of them. Low-water crossing through out the County were closed.									
<b>Fort Bend County</b> 3 S Rosenberg	19	1240CST			?	?	5	?	Lightning
Lightning started a fire at the Fort Bend County Fairgrounds. Estimated damage to the main office building was made at \$100,000.									
<b>Calhoun County</b> Port Lavaca	19	1530CST			?	?	?	?	Flash Flood
Within a 4-hour period, 7.50 inches of rain fell over Port Lavaca. Thirty people had to be evacuated from an apartment complex in the city. Several streets in the area were flooded.									
<b>Calhoun County</b> Green Lake	21	1010CST	0.05	30	?	?	?	?	Tornado (F0)
A tornado was reported at the Union Carbide Plant by a guard. The tornado moved across the plan's cooling basin and dissipated. No damage was reported.									
<b>Maverick County</b>	21 22	2355CST- 0640CST			?	?	6	?	Flash Flood
More than nine inches of rain fell, over the west part of the county within a 24-hour period. Low-water crossing through out the county were closed, some major roads were totally washed out. Over 500 people had to be evacuated from their homes near Eagle Pass. Over \$1 million in damage was estimated in the county.									
<b>Austin County</b> 5 NW Sealy	31	1434CST	0.05	20	?	?	4	?	Tornado (F0)
A tornado was reported near Cat Springs by the public. Minor roof damage was done to buildings in the area, some power lines were also downed.									
<b>TEXAS, Western</b>									
<b>Coke County</b> Bronte	01	1705CST			0	0	0	0	Hail (0.75)
Dime-size hail fell in Bronte. No damage resulted.									
<b>Terrell County</b> Dryden	01	1830CST			0	0	0	0	Hail (0.75)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## TEXAS, Western Cont'd

Dime-size hail was observed in Dryden. No damage resulted.

### Tom Green County Veribest

02	1630CST				0	0	4	2	Hail (3.00)
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Baseball-size hail fell at the Veribest Community in eastern Tom Green County. The hail damaged the roof and windows of a church.

### Tom Green County San Angelo San Angelo 4 NW San Angelo 5 E San Angelo

02	1905CST				0	0	2	1	Thunderstorm Winds (G52)
02	1908CST				0	0	1	1	Hail (0.75)
02	1935CST				0	0	1	1	Thunderstorm Winds (G52)
02	2015CST				0	0	1	3	Flash Flood

Downburst winds up to 60 mph and dime-size hail were reported in San Angelo. Another storm produced downburst winds to 60 mph near O.C. Fisher Reservoir. No significant damage was noted. The heavy rainfall produced flash flooding of roads in eastern Tom Green County. Minor damage to crops was noted.

### Reagan County 25 N Big Lake

02	2214CST				0	0	3	1	Hail (1.75)
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The public reported golf ball-size hail in northeastern Reagan County. The hail broke three windows at the Cope Ranch.

### Brewster County Alpine

10	1645CST				0	0	2	0	Flash Flood
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Heavy rainfall from slow-moving thunderstorms produced flash flooding in Alpine. The flooding produced only minor damage in the city.

### Lubbock County Lubbock

10	1945CST				0	0	4	2	Thunderstorm Winds
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Downburst winds from a collapsing thunderstorm downed power poles and uprooted trees in western portions of Lubbock.

### Lamb, Hale, and Hockley Counties

10	2015CST- 2330CST				0	0	4	4	Flash Flood Flood
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Rainfall from persistent thunderstorms produced flash flooding over portions of the South Plains. Widespread minor flooding was reported in Lubbock, Hale, and Hockley Counties. The flooding was more significant in Lamb County, where flood depths of 3 to 4 feet were reported. The floodwaters caused damage to roads and crops in the area.

### Coke County Robert Lee

16	1600CST				0	0	0	0	Hail (0.75)
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The Department of Public Safety reported dime-size hail in Robert Lee. No damage was noted.

### Runnels County 4 SW Norton

16	1642CST				0	0	3	0	Hail (1.75)
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The Runnels County Sheriff's Office reported golf ball-size hail at the Maverick Community in western Runnels County. The hail damaged windows in a home.

### Runnels County Miles Rowena

16	1750CST				0	0	4	0	Thunderstorm Winds
16	1753CST				0	0	1	5	Hail (1.75)

Downburst winds overturned and destroyed a travel trailer in Miles. The thunderstorm also produced golf ball-size hail which caused significant crop damage in the Rowena area.

### Tom Green County 3 W San Angelo San Angelo

16	1825CST				0	0	1	0	Hail (0.75)
16	1902CST				0	0	1	0	Thunderstorm Winds (52)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>TEXAS, Western Cont'd</b>									
A severe thunderstorm produced dime-size hail west of San Angelo and downburst winds up to 60 mph in San Angelo. The reports were from amateur radio spotters. No significant damage was noted.									
<b>Irion County</b> 4 NE Mertzon	16	1948CST			0	0	4	3	Hail (2.00)
Baseball-size hail damaged roofs, windows, and trees in northeastern Irion County.									
<b>Reeves County</b> Saragosa	17	0025CST			0	0	2	1	Hail (1.75)
Saragosa	17	0040CST			0	0	2	1	Hail (1.75)
The Reeves County Emergency Manager reported golf ball-size hail in Saragosa at 0025 CST. Fifteen minutes later, golf ball-size hail was again reported. No significant damage resulted.									
<b>Reeves County</b> 10 ESE Saragosa	17	0200CST			0	0	3	1	Hail (2.75)
<b>Pecos County</b> 20 W Fort Stockton	17	0212CST			0	0	2	1	Hail (2.75)
A severe thunderstorm produced baseball-size hail as it moved across southeastern Reeves and western Pecos Counties. The hail caused minor damage to vehicles travelling along Interstate 10.									
<b>Tom Green County</b> 1 S Christoval	17	1550CST			0	0	2	2	Hail (1.25)
Amateur radio spotters reported half-dollar-size hail south of Christoval. Only minor damage resulted.									
<b>Crockett County</b> 11 E Ozona	17	1638CST			0	0	0	0	Hail (1.00)
The public reported quarter-size hail in eastern Crockett County. No damage resulted.									
<b>Pecos County</b> 2 S Bakersfield	17	1805CST			0	0	0	0	Hail (1.00)
3 E Bakersfield	17	1815CST			0	0	0	0	Hail (1.00)
The public reported quarter-size hail near Bakersfield. No damage was noted.									
<b>Pecos County</b> 5 S Bakersfield	17	1956CST			0	0	0	0	Hail (1.00)
Fort Stockton	17	2000CST			0	0	0	0	Hail (0.75)
3 N Fort Stockton	17	2020CST			0	0	0	2	Hail (1.75)
Fort Stockton	17	2031CST			0	0	0	0	Hail (0.75)
A cluster of severe thunderstorms moved across central and eastern Pecos County. The public reported quarter-size hail south of Bakersfield. The Pecos County Sheriff's Office and the public observed dime- to golf ball-size hail in and north of Fort Stockton. No significant damage resulted from the hail.									
<b>Reeves County</b> Pecos	17	2012CST			0	0	2	0	Hail (1.00)
The Reeves County Sheriff's Office reported quarter-size hail in Pecos. No significant damage was noted.									
<b>Jeff Davis County</b> Fort Davis	17	2103CST			0	0	2	2	Flash Flood
Heavy rainfall from thunderstorms produced flooding at Fort Davis State Park. Only minor damage resulted from the flooding.									
<b>Presidio County</b> 10 W Marfa	17	2116CST			0	0	0	2	Hail (1.75)
10 W Marfa	17	2118CST			0	0	2	0	Thunderstorm Winds (58)



# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property	Crops	Character of Storm
					Killed	Injured			
<b>UTAH Cont'd</b>									
Wayne County	12	1615MST- 1715MST			0	0	0	0	Flash Flood
									Heavy rainfall caused flash flooding in western Wayne County. The main flooding occurred in Capital Reef National Park. Rangers in the park reported that many of the washes were running like rivers, and all scenic roads in the park had been closed. No damage was reported.
Piute County Marysvale	18	1400MST			0	0	0	0	Thunderstorm Winds (G60)
									Thunderstorms developed over most of the state. With very little moisture at the lower levels of the atmosphere, these thunderstorms were mostly high based and produced microburst winds. A spotter from Marysvale reported a single gust to 60 mph. The winds subsided shortly after the gust, and no damage occurred as a result of the gust.
Salt Lake County West Kearns	20	1600MST			0	0	0	0	Thunderstorm Winds (G60)
									Thunderstorms again developed over most of Utah. The strongest activity was over the northwestern portion of the state. These thunderstorms produced very little rain and many gusty winds. A spotter in West Kearns reported a single gust to 60 mph. No damage occurred as a result of this gust.
Wayne County	24	1200MST- 1400MST			0	0	2	0	Flash Flood
									A very moist, unstable air mass was over southern and eastern Utah. Thunderstorms in the southern portion of the state produced heavy rainfall that caused flash flooding in and around Capital Reef National Park. Flooding occurred in washes and the Fremont River. Water in the Fremont River rose 4 to 6 feet in most areas, but rose 20 feet in a narrow portion of the river. Mud, water, and uprooted trees covered and closed roads that crossed the river and the flooding washes. Fifty cars were stranded for some time. The flooding caused some road damage on State Road 24.
San Juan County	25	1235MST- 1445MST			0	0	0	0	Flash Flood
									The moist, unstable air mass remained over the southeastern portion of the state. Heavy rainfall caused flash flooding in Natural Bridges National Monument in western San Juan County. A spotter reported water running 4- to 5-feet deep through White Canyon. The water started to slowly drop between 1415 and 1430 MST. No damage occurred as a result of the flooding. VERMONT
Northeast Vermont	02	AM			0	0	0	?	Frost
									A large dome of high pressure provided ideal radiational conditions across northeast Vermont as another late season frost hit the area. Stations reporting temperatures at or below freezing included West Burke and West Barnet with 31 degrees, Canaan with 30 degrees and East Haven with 29 degrees.
Franklin County Georgia Center	05	1307EST			0	0	0	0	Hail (0.75)
Grand Isle County Grand Isle	05	1335EST			0	0	3	0	Thunderstorm Winds
									Severe thunderstorms moved across northern Vermont ahead of a strong cold front on July 5th. Three-quarter-inch hail fell in Georgia Center while thunderstorm winds downed large tree limbs and power lines in Grand Isle.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>UTAH Cont'd</b>									
Statewide		All Month			0	0	0	?	Cool and Wet
An unusually strong northwest flow of air remained over Vermont during much of the month of July resulting in abnormally cool and wet conditions. At Burlington July was the 5th coldest on record with an average temperature of 66.1 degrees. It was also abnormally wet at Burlington during July with 4.58 inches of rainfall which was just over an inch above normal.									
<b>VIRGINIA</b>									
Bedford County	03 03	0230EST- 0345EST			0	0	3	0	Flash Flood
Water up to 4 feet deep covered portions of several state highways in the northern part of the county.									
Surry County 1 SE Claremont	04 04	1745EST- 1855EST			0	0	0	0	Hail (0.88)
Public reports of dime- to nickle-size hail.									
City of Norfolk	11	1800EST			1	0	0	0	Heat
A woman died of heat stroke. Temperatures in Norfolk reached 97 degrees during the afternoon. (F550)									
Warren County Front Royal	12	1330EST			0	0	0	0	Thunderstorm Winds
Numerous trees were downed or damaged.									
Loudoun County 1 SW Leesburg Leesburg Purcellville	12 12	1405EST- 1419EST			0	0	2	0	Thunderstorm Winds (G52)
Winds up to 60 mph (52 knots) caused tree damage 1 Southwest of Leesburg. Trees were downed in Leesburg and in Purcellville.									
Fauquier County	12	1410EST- 1430EST			0	0	2	0	Thunderstorm Winds
Thunderstorm winds knocked down trees and power lines in several locations scattered throughout the county.									
Stafford County	12	1421EST- 1429EST			0	1	0	0	Thunderstorm Winds
Trees were downed in the northern part of the county. A parachutist was injured while descending through a thunderstorm gust front, about 30 feet off the ground.									
Prince William County	12	1429EST			0	0	0	0	Thunderstorm Winds (G55)
In Dale City, trees were downed by thunderstorm winds estimated at 50-55 knots.									
Culpeper County	12	1445EST			0	0	3	0	Thunderstorm Winds
Trees and a few power lines downed in the Northeast part of the county.									
Culpeper County 8 W Warrenton	14	1650EST			0	0	0	0	Thunderstorm Winds
Forty to 50 trees were blown down on a farm 8 West of Warrenton.									
Fairfax County 2 S Huntington	14	1915EST			0	0	3	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>VIRGINIA Cont'd</b>									
									County Police reported trees down along with minor damage to houses in an area 2 South of Huntington. Public reports of a funnel cloud were not confirmed. Other trees were downed in the southern part of the county.
City of Alexandria	15	1635EST			0	0	3	0	Thunderstorm Winds
									Trees were uprooted at Cameron Station Military Reservation. Damage was caused to recreational equipment by falling trees.
Spotsylvania County	15	1715EST-							
City of Fredericksburg	15	1750EST			0	0	3	0	Thunderstorm Winds
									Fredericksburg Police received numerous reports of downed trees and power lines. Skywarn spotters reported trees downed in eastern Spotsylvania County. Doppler radar indicated a downburst caused the damage.
City of Norfolk	15	1800EST			1	0	0	0	Heat
									A man died of heat exposure. Temperatures reached 99 degrees in Norfolk during the afternoon. (M400)
King William County	15	1945EST			0	0	0	0	Thunderstorm Winds
									A few trees were downed in the central part of the county.
New Kent County	15	2000EST			0	0	0	0	Thunderstorm Winds
Tallysville									Several trees were blown down.
Gloucester County	18	1545EST			0	0	3	0	Thunderstorm Winds
									County Sheriff's Office reported trees blown down onto power lines.
Mathews County	18	1550EST-							
	18	1605EST			0	0	4	0	Thunderstorm Winds
									The County Sheriff's Office reported numerous trees downed in many parts of the county. A tree fell onto a house.
20 E City of Virginia Beach	18	1600EST			0	3	5	0	Thunderstorm Winds
									The Coast Guard reported the 34-foot yacht THE NIMBUS sank 20 miles east of Virginia Beach. Three people, who suffered minor injuries, were rescued by a passing vessel.
City of Virginia Beach	18	1615EST-							
Oceana Naval Air Station (NTU)	18	1650EST			0	5	4	0	Thunderstorm Winds (G51)
City of Chesapeake	18	1650EST							
City of Newport News									City Police in Virginia Beach reported trees downed in numerous locations. At the Oceana NAS (NTU), a wind gust to 51 knots (59 mph) was observed at 4:28 PM EST. City Police in Chesapeake received numerous reports of downed trees. A cooperative observer reported downed trees in the center of Newport News. The Coast Guard and local marine police reported about 50 small boats capsized but only a few minor injuries.
Isle of Wight County	18	1620EST			0	0	4	0	Thunderstorm Winds
									A barn and a garage were demolished, and many trees were toppled by strong thunderstorm winds. The damage was characteristic of a downburst. Reports of a tornado were not confirmed, although damage occurred along a 5-mile path.
City of Virginia Beach	18	1625EST			0	0	0	0	Hail (1.00)
5 S ORF									

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>VIRGINIA Cont'd</b>									
									An off-duty National Weather Service employee reported nickel- to quarter-size hail.
2 S City of Hampton	18	1630EST			0	0	0	0	Funnel Cloud
									A funnel cloud was spotted over the Hampton Roads Harbor (2 South City of Hampton).
City of Virginia Beach S Island Bay Bridge Tunnel	18	1635EST			0	0	0	0	Thunderstorm Winds (G50) Funnel Cloud
									The wind sensor at the South Island recorded 50-knot (58 mph) winds at about the same time that a funnel cloud was observed by a Skywarn spotter over the Chesapeake Bay and Bridge Tunnel area.
City of Hampton Roads	19	1625EST			0	0	0	0	Waterspout
									A waterspout was sighted over the Hampton Roads harbor.
Loudoun County 1 S Bluemont	21	1332EST			0	0	0	0	Thunderstorm Winds(G56)
	21	1332EST			0	0	0	0	Hail (1.75)
									A Skywarn spotter reported golfball-size hail and winds gusting to 65 mph.
Loudoun Co 2 N Dulles Int'l Airport (IAD)	21	1345EST			0	0	0	0	Hail (0.75)
									At the National Weather Service a Forecast Officer near Sterling (2 North IAD) reported 0.75 inch hail.
Fairfax County	21	1415EST			0	0	0	0	Thunderstorm Winds
	21	1430EST			0	0	0	0	Hail (1.75)
	21	1430EST			0	0	5	0	Lightning
									County Police reported trees downed at several places in the county. Around 3:30 PM EDT in the Great Falls area, large hail was reported and 2 homes were hit by lightning. One suffered an estimated \$250,000 damage in the ensuing fire; the other lightning fire caused about \$15,000 damage.
Arlington County 1 S Cherrydale	21	1505EST			0	0	3	0	Thunderstorm Winds
									Trees were blown down onto a house in the Clarendon area (1 S Cherrydale).
Stafford County Hartwood Mountain View	21	1520EST			0	0	0	0	Thunderstorm Winds
									Numerous trees down at Hartwood and Mountain View according to County Police and Fire Departments.
Westmoreland County Colonial Beach Montross	21	1650EST			0	0	4	0	Thunderstorm Winds (G56)
									At Montross, the County Sheriff's Department reported trees downed. At Colonial Beach, trees fell onto several mobile homes, causing heavy damage to two of them. Winds were recorded at 65 mph (56 knots).
King and Queen Counties Cauthonville	21	1655EST			0	0	0	0	Thunderstorm Winds
									Sheriff's Department reported trees downed.
Pulaski County Fairlawn	22	1400EST			0	0	3	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>VIRGINIA Cont'd</b>									
			A number of trees were uprooted and two vehicles were damaged.						
Pittsylvania County	22	1600EST-							
Dry Fork	22	1645EST			0	0	0	5	Hail (1.00)
Rondo									
			Over 100 acres of tobacco suffered heavy damage from hail that lasted up to 45 minutes at both Rondo and Dry Fork. Hailstones were reported as big as quarters in both places.						
Pittsylvania County	22	1620EST			0	0	4	0	Thunderstorm Winds
Rondo									
			Strong gusty winds blew down two old barns and unroofed another. Farm equipment in one of the barns was damaged when the roof caved in. A number of trees were snapped off or uprooted. There were unconfirmed reports of a tornado.						
Loudoun County	23	1635EST			0	0	0	0	Thunderstorm Winds
			A few trees were downed by thunderstorm winds in the western part of the county.						
Loudoun County	23	1720EST- 1738EST			0	0	3	0	Thunderstorm Winds
			Several trees and power lines were downed at Taylorstown and Lovettsville by thunderstorm wind.						
Fauquier County	23	1739EST			0	0	0	0	Thunderstorm Winds (G70)
2 E Warrenton									
			A Skywarn spotter 2 East of Warrenton recorded wind gusts to 81 mph (70 knots). Trees were downed in parts of the county according to the County Sheriff. Other spotters reported winds estimated at 60 mph.						
Fairfax County	23	1750EST			0	0	0	0	Thunderstorm Winds (G61)
Annandale									
			A spotter estimated winds over 70 mph (61 knots) after which his wind instruments were damaged.						
Prince William County	23	1800EST			0	0	3	0	Flood/Flash Flood
			Numerous roads, including parts of U.S. Highway 1, had to be closed because of high water.						
Stafford County	23	1820EST			0	0	0	0	Thunderstorm Winds
			Sheriff's Department reported trees downed.						
King George County	23	1909EST- 1920EST			0	0	0	0	Thunderstorm Winds
			Trees were downed in several locations of the county.						
Culpeper County	23	1835EST			0	0	0	0	Thunderstorm Winds
	23	1920EST			0	0	0	0	Thunderstorm Winds
			Sheriff's Department reported numerous trees downed in the south and east parts of the county.						
Westmoreland County	23	1930EST-							
Colonial Beach	23	1945EST			0	0	3	0	Thunderstorm Winds (G52)
Essex County									Winds (G52)
Supply									
3 W Tappahannock									
			At Colonial Beach, winds were estimated at 50-60 mph (52 knots). At Supply, numerous trees and power lines were blown down. Trees were downed across a highway 3 West Tappahannock.						
Richmond County	23	2010EST			0	0	0	0	Hail (0.75)
Newlands									
Richmond County	23	2025EST			0	0	0	0	Hail (0.75)
5 W Warsaw									

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>VIRGINIA Cont'd</b>									
<b>Richmond County</b> Warsaw	23	2030EST			0	0	0	0	<b>Thunderstorm Winds</b>
									Trees were blown down in and around Warsaw.
<b>Fairfax County</b> <b>Arlington County</b>	24	1200EST-							
	24	1400EST			0	0	3	0	<b>Flooding</b>
									Widespread small-stream and urban flooding occurred following heavy rain that fell onto saturated ground. A few roads had to be closed. One person was rescued from a flooded car.
<b>Fairfax County</b> McLean	24	1210EST			0	0	5	0	<b>Lightning</b>
									Lightning struck the steeple of a historic church, causing a fire that did about \$50,000 damage.
<b>Washington County</b> Abingdon	24	1400EST							
	24	1700EST			0	0	5	0	<b>Flash flood</b>
									A downpour of up to 6 inches caused widespread flash flooding in Abingdon. Some road washouts occurred, and many basements in the downtown area were flooded. Several mud slides closed streets, and a concrete retaining wall collapsed.
<b>Rockingham County</b> Grottoes City of Harrisonburg	24	1940EST-							
		2005EST			0	0	3	0	<b>Thunderstorm Winds</b>
									Skywarn spotters reported that numerous trees and power lines were blown down at Grottoes and at several places in the south and southeast parts of the county.
<b>City of Charlotte-</b> <b>sville</b>	24	2015EST			0	0	4	0	<b>Thunderstorm Winds</b>
									A large oak tree was blown down onto several vehicles. A large pine tree was toppled onto a car.
<b>Albemarle County</b> Monticello	24	2040EST			0	0	3	0	<b>Thunderstorm Winds</b>
									Trees and power lines were blown down. At Monticello, numerous fruit trees were destroyed, and a 200-year-old sugar maple planted by Thomas Jefferson was toppled.
<b>Henrico County</b> 6 NW Richmond	26	1700EST							
	26	1715EST			0	1	3	0	<b>Thunderstorm Winds</b>
									Trees, large limbs, and power lines were blown down in a number of locations. A area 6 Northwest of Richmond, a large tree fell onto a car that was backing out of a driveway, trapping the driver; she was hospitalized after a 1-1/2 hour extrication effort.
<b>Stafford and Spotsylvania</b> <b>Counties</b>	27	1430EST-							
<b>City of</b> <b>Fredericksburg</b>	27	1530EST			0	0	3	0	<b>Flood/Flash Flood</b>
									Three inches of rain in about an hour caused widespread flooding of roadways in northern Spotsylvania County, including the City of Fredericksburg, and in southern Stafford County.
<b>Fauquier and</b> <b>Culpeper Counties</b>	27	1430EST							
	27	1600EST			0	0	0	0	<b>Flood/Flash Flood</b>
									Several roads and construction sites were closed in Culpeper County. In southern Fauquier County, there were numerous reports of stream flooding.

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>VIRGINIA Cont'd</b>									
King George County	27	1545EST			0	0	3	0	Thunderstorm Winds
									Sheriff's Department reported trees and power lines blown down.
Caroline County Chilesburg 6 S Bowling Green	27	1558EST			0	0	4	0	Thunderstorm Winds
									Trees were blown down across U.S. route 301. There were several other reports in the area 6 South of Bowling Green of trees downed. One house suffered major damage; several others had roof and other minor structural damage; a mobile home was overturned; several homes had their chimneys blown off. At Chilesburg, high winds snapped three utility poles.
Westmoreland County	27	1600EST			0	0	0	0	Thunderstorm Winds
									Sheriff's Department reported trees and power lines were blown down by thunderstorm winds.
Charles City County	27	1610EST			0	0	0	0	Thunderstorm Winds
									Large trees were blown down onto a roadway.
James City County Grove	27	1630EST			0	0	3	0	Thunderstorm Winds
									Trees and large limbs were blown down onto power lines.
City of Hampton City of Newport News Patrick Henry Field (PHF)	27 27	1635EST 1700EST			0	0	4	0	Thunderstorm Winds (G56)
									Thunderstorm winds blew down trees in several places. At least two condominiums were damaged by falling trees in Newport News. Winds of 64 mph (56 knots) were reported at Patrick Henry Field (PHF).
York County City of Hampton	27 27	1700EST 1700EST			0 0	0 1	0 0	0 0	Hail (1.00) Lightning
									A woman was struck by lightning and was burned on an arm.
York County Tabb	27 27	1710EST- 1720EST			0	0	4	0	Thunderstorm Winds
									Power lines and trees were downed in southern York County. Several trees were blown onto houses and a condominium at Tabb.
City of Norfolk City of Virginia Beach Cape Henry	27 27	1815EST- 1820EST			0	0	0	0	Thunderstorm Winds (G55)
									Trees were blown down in Norfolk at several places. Winds gusted to 55 knots (63 mph) at the Cape Henry Light.
Alleghany County	31 31	1310EST- 1340EST			0	0	0	0	Thunderstorm Winds
									Numerous reports received county-wide by the Sheriff's Department of downed trees.
Bedford County Bedford	31 31	1345EST- 1400EST			0	0	4	0	Thunderstorm Winds
									The City of Bedford was hit by a brief storm that knocked down trees and a few power lines. A falling large tree limb damaged a taxicab, and a falling tree damaged the veranda of a house.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>VIRGINIA Cont'd</b>									
Augusta County Steeles Tavern	31	1430EST			0	0	4	0	Thunderstorm Winds (G70)
At Steeles Tavern, in extreme southern Augusta County, a downburst produced scattered areas of damage to trees. A church had a 6-foot cross blown over; a nearby barn was unroofed. Based on damage patterns, the winds were estimated at 70-80 mph (70 knots).									
Culpeper County	31	1430EST			0	0	0	0	Minor Flooding
Ham spotters reported flooding at SR 605 and US 29.									
Shenandoah County 4 W Mount Jackson	31	1435EST			0	0	0	0	Thunderstorm Winds
Albemarle Counties Scottsville	31	1450EST			0	0	0	0	Thunderstorm Winds
Warren, Fausquier, Culpeper and Rappahannock	31	1500EST			0	0	0	0	Thunderstorm Winds
Rappahannock Counties	31	1520EST			0	0	0	0	Thunderstorm Winds
	31	1520EST			0	0	0	0	Thunderstorm Winds
	31	1520EST			0	0	0	0	Thunderstorm Winds
Powerful thunderstorm winds knocked down trees and power lines in numerous locations in these counties.									
Prince William County City of Manassas	31	1535EST			0	0	3	0	Thunderstorm Winds
The County Fire Department reported trees and power lines blown down. Large trees also downed power lines in parts of Manassas.									
Loudoun County Leesburn	31	1535EST			0	0	0	0	Thunderstorm Winds (G52)
Spotter recorded winds of 60 mph (52 knots).									
Loudoun County Oatlands	31	1550EST			0	0	0	0	Thunderstorm Winds (G52)
Fairfax County Fairfax County Reston	31	1550EST			0	0	0	0	Thunderstorm Winds (G52)
Spotters reported winds gusting to around 60 mph at both locations.									
Amelia County	31	1600EST-			0	0	0	0	Thunderstorm Winds
	31	1615EST			0	0	0	0	Thunderstorm Winds
Many large trees were downed in the central part of the county, according to the County Sheriff's Office.									
Arlington County	31	1630EST			0	0	0	0	Thunderstorm Winds
Thunderstorm winds knocked trees and power lines down.									
Fairfax and Montgomery Counties	31	1625EST			0	0	0	0	Flood/Flash Flood
	31	1625EST			0	0	0	0	Flood/Flash Flood
Spotters reported about two inches of rain in a half hour which caused flooding of a number of streets and low places.									
Henrico County	31	1650EST-			0	0	0	0	Thunderstorm Winds
	31	1705EST			0	0	0	0	Thunderstorm Winds
Trees downed in Eastern part of the county.									

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>VIRGINIA Cont'd</b>									
Pittsylvania County City of Danville	31	1700EST			0	0	3	0	Thunderstorm Winds
									Trees were downed at several places in Danville. One tree caused minor damage to a house by falling onto it. The time is approximate.
New Kent County	31	1650EST- 31 1710EST			0	0	0	0	Thunderstorm Winds
									Trees downed at several places along State Route 249 (running west to east the length of the county).
Westmoreland County 2 NE Montross	31	1720EST-							
Richmond County	31	1730EST			0	0	3	0	Thunderstorm Winds
									Trees and power lines were downed in the Zacata area (2 Northeast Montross). Numerous trees downed in the eastern part of Richmond County.
James City County Charles City County	31	1725EST- 31 1735EST			0	0	4	0	Thunderstorm Winds
									A house was severely damaged when a large tree fell onto it, in the western part of James City County; minor damage also occurred to several nearby homes. Several trees were downed in Charles City County.
Essex County	31	1740EST			0	0	0	0	Thunderstorm Winds
									Numerous reports of downed trees in the northern part of the county.
Surry County Surry	31	1755EST			0	0	3	0	Thunderstorm Winds
									Trees were blown onto a building.
Greensville County City of Emporia	31	1800EST			0	0	0	0	Thunderstorm Winds (G52)
									Winds were estimated at up to 60 mph (52 knots) in Emporia and parts of adjoining Greensville County.
Isle of Wight County Walters	31	1830EST			0	0	0	0	Thunderstorm Winds
									Trees were blown down in the center of Walters.
City of Hampton	31	1850EST			0	0	0	0	Thunderstorm Winds
									Trees downed in the northern part of the city.
City of Suffolk	31	1905EST			0	0	0	0	Thunderstorm Winds
									Trees downed in the northern part of the city along the James River.
<b>WASHINGTON</b>									
Douglas County	04	1431PDT- 1512PDT	0.1	10	0	0	0	0	Tornado (F0)
									Unstable, moist air resulting from an upper level low pressure system just off the Washington coast spawned scattered afternoon thunderstorms in eastern Washington. A funnel cloud formed 8 miles north of the Wenatchee Airport. The funnel cloud moved north and was seen 30 minutes later near Badger Mountain. The tornado then touched down briefly in a wheat field at approximately 1450 PDT. It dissipated shortly thereafter. No damage or injuries were reported.
Benton County	06	1700PDT- 1900PDT			0	0	4	0	Flash Flood

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<b>WASHINGTON Cont'd</b>							
Spokane County	08	1300PDT			1 0	0 0	Lightning
An isolated rainshower dumped between half and one inch of rain in the Kennewick area. Some of the storm drains were unable to take the flow and backed up causing urban flooding in the town of Kennewick. A car was trapped in the water in south Kennewick, but no injuries occurred. The heavy rainshower also caused minor flooding to occur in some canyons in the Horse Heaven Hills south of Kennewick. A couple of construction projects in the Zintel Canyon area suffered minor property damage when the water combined with field erosion flowed in from off the hills swamping the canyons with up to 2 feet of mud and water.							
Grant County	19	1940PDT			0 0	4 0	Lightning
A construction worker repairing a metal cement tank in Spokane was struck and killed by lightning. (M430)							
Lincoln County	19	2000PDT			0 0	? ?	Flash Flood
A thunderstorm produced three inches of rain in less than 2 hours in an area south of the town of Wilbur. This caused flash flooding which washed out roads in places. In one yard, the flood water brought mounds of straw and mud with it creating a mudslide which moved cars, motorcycles and railroad ties in its path.							
Eastern Wa. WAZ006,007,009 010,013	19 20	1700PDT- 2300PDT			0 0	? ?	Lightning
Frequent lightning started numerous range fires across eastern Washington. On the Colville Indian Reservation 27 brush fires started during the 2-day period. Two of the largest fires near the town of Monse burned 180 acres. Scattered rainshowers helped to douse fires in areas. Lightning in the Spokane metropolitan area during the evening of the 19th caused one thousand households to lose power and television service to be knocked off the air.							
Whitman County	20	1500PDT			0 0	? 0	Flash Flood
A band of convection produced some heavy rain over Whitman County. In the town of Pullman the water overflowed storm drains and filled lower streets and roads. Water standing in the intersections caused cars to stall. There was also street flooding in the towns of Garfield, Belmont and Farmington and there were reports of 0.50-inch hail.							
Walla Walla County	22 23	0400PDT- 1400PDT			0 0	5 0	Flash Flood
A low pressure system moving northeastern from Oregon circulated abundant moisture into southeastern Washington. This produced heavy rain and urban flooding in the town of Walla Walla. The Walla Walla Airport recorded 4.60 inches of rain in 34 hours. The heavy rain flooded streets and closed several roads around Walla Walla. Many residents and local businesses suffered minor flood damage.							
Walla Walla County	22	1310PDT			0 1	0 0	Lightning
A 34-year-old man was standing on a concrete mixing truck 5 miles south of the town of Walla Walla when a lightning strike hit on or near the truck, knocking him off it. Ten minutes later another lightning strike knocked him away from the truck a second time. He suffered minor injuries.							
Okanogan County	22	Unknown			0 0	3 0	Lightning
Six cows standing on wet ground 2 miles west of Mazama were killed when lightning struck the stand of trees where they grazed. The animals were valued at \$700 to \$800 each.							

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>WEST VIRGINIA</b>									
Webster County Replete	01	1000EST- 1200EST			0	0	2	0	Flash Flood
The Left Fork of the Holly River overflowed.									
Calhoun County Russett	01	1200EST			1	0	0	0	High Water
A 44-year-old woman drowned in Sycamore Creek. She had driven a pickup truck across a low-water bridge on County Route 7/3. Showers had swollen the creek to a depth of 4 to 5 feet over the low-water bridge. Her body was found 3 miles downstream in the Little Kanawha River. Her 17-year-old son was also in the truck, but escaped uninjured. The county sheriff reported no flooding and that signs were posted, telling motorists not to cross if water flowed over the bridge. (F44V)									
Mineral County New Creek	01	1300EST- 1430EST			0	0	2	0	Flash Flood/Flood
Harrison County Shinnston to Enterprise	05	1815EST			0	0	0	0	Thunderstorm Winds
Clarksburg	05	1840EST			0	0	0	0	Thunderstorm Winds
Taylor County	05	1905EST			0	0	0	0	Thunderstorm Winds
Preston County Aurora	05	1910EST			0	0	0	0	Thunderstorm Winds
Tucker County 1 NW Cortland	05	1920EST- 1921EST	0.1	30	0	0	0	0	Tornado (F0)
Wayne County 3 N Wayne	09	1700EST			0	0	4	0	Thunderstorm Winds
Several homes and outbuildings had roofs damaged in the Hurbert area.									
Clay County Big Otter	09	1715EST			0	0	0	0	Hail (1.25)
McDowell County Capels	09	1845EST			0	0	0	0	Hail (0.75)
Greenbrier County Quinwood	09	1910EST			0	0	3	0	Thunderstorm Winds
Numerous tall pine trees had their top 30 feet sheared off. One car was damaged and a house had a few windows broken.									
Marion County Monongah	10	1400EST			0	0	3	0	Thunderstorm Winds
Fairmont	10	1410EST			0	0	0	0	Hail (1.00)
Trees and power lines were blown down across Route 19, while quarter-size hail fell in Fairmont.									
Monongalia County Greer	10	1430EST			0	0	2	0	Thunderstorm Winds
Mineral County Piedmont	10	1430EST			0	0	2	0	Thunderstorm Winds
Preston County Cranesville	10	1435EST			0	0	2	0	Thunderstorm Winds
Monongalia County Morgantown	10	1540EST			0	0	2	0	Thunderstorm Winds
Preston County 4 W Bruceton Mills	10	1540EST			0	0	2	0	Thunderstorm Winds
Bruceton Mills	10	1550EST			0	0	2	0	Thunderstorm Winds
Numerous trees were blown down from Coopers Rock State Park to the Brandonville Pike.									

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## WEST VIRGINIA Cont'd

<b>Grant County</b>									
Bayard	10	1615EST			0	0	0	0	Thunderstorm Winds
<b>Mineral County</b>									
Piedmont	10	1645EST			0	0	0	0	Thunderstorm Winds
Keyser	10	1650EST			0	0	0	0	Hail (0.75)
Keyser	10	1655EST			0	0	0	0	Thunderstorm Winds

Damage occurred to a few residential roofs and to a laundromat in Keyser. A bridge was closed by fallen trees at Piedmont.

<b>Hampshire County</b>									
Springfield	10	1700EST			0	0	0	0	Thunderstorm Winds
<b>Monongalia County</b>									
Morgantown	10	1730EST			0	0	0	0	Thunderstorm Winds
<b>Marion County</b>									
2 S Monongah	10	1730EST			0	0	0	0	Hail (0.75)
<b>Harrison County</b>									
Wallace	10	1740EST			0	0	0	0	Thunderstorm Winds
<b>Taylor County</b>									
Meadland	10	1755EST			0	0	0	0	Thunderstorm Winds
<b>Barbour County</b>									
Nestorsville	10	1800EST			0	0	0	0	Thunderstorm Winds
<b>Tucker County</b>									
St. George	10	1845EST			0	0	0	0	Thunderstorm Winds
<b>Preston County</b>									
Independence to Tunnelton	10	2200EST-			0	0	3	2	Flash Flood
	11	0030EST							

Runoff from a second round of thunderstorms caused water to flow down a hill and into the town of Tunnelton. Several buildings, including a beauty salon and fire department, received minor water and mud damage. Three Fork Creek flooded near Independence. About 4 miles of secondary Route 33/3 was damaged.

<b>Preston County</b>									
Tunnelton	10	2300EST			0	1	0	0	Lightning

A fireman was struck by lightning while directing traffic around high water.

<b>Cabell County</b>									
Huntington	11	1500EST			0	0	0	0	Thunderstorm Winds
<b>Mason County</b>									
Glenwood	11	1500EST			0	0	0	0	Thunderstorm Winds
<b>Putnam County</b>									
Hurricane to Scott Depot	11	1552EST-			0	0	3	0	Thunderstorm Winds
		1600EST							

Several trees were uprooted or branches broken. One tree fell on a vehicle and trapped occupants for a time.

<b>Kanawha County</b>									
Cross Lanes	11	1559EST			0	0	2	0	Hail (1.00)
Cross Lanes	11	1613EST			0	0	3	0	Thunderstorm Winds

Quarter-size hail fell, followed by damaging wind gusts. Numerous trees and power lines were blown down.

<b>Big Chimney</b>									
Big Chimney	11	1620EST			0	0	2	0	Hail (1.00)
Big Chimney	11	1622EST			0	0	2	0	Thunderstorm Winds

Large tree limbs were broken off. Winds were estimated at 60 to 70 mph.

<b>Clay County</b>									
Lizemore	11	1700EST			0	0	2	0	Hail (1.25)

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>WEST VIRGINIA Cont'd</b>									
<b>Greenbrier County</b>									
McRoss	11	1858EST			0	0	0	0	Hail (0.75)
White Sulphur Springs	11	1910EST			0	0	0	0	Thunderstorm Winds
White Sulphur Springs	11	1924EST			0	0	0	0	Hail (0.75)
White Sulphur Springs	11	1925EST			0	0	2	0	Thunderstorm Winds (G56)
<b>Tucker County</b>									
3 W St. George	12	0615EST-0800EST			0	0	0	0	Flood/Flash Flood
Bull Run and Clover Run flooded secondary roads.									
<b>Hancock County</b>									
Chester	13	1910EST			0	0	0	0	Thunderstorm Winds
Large trees were uprooted by thunderstorm winds.									
Newell to 2 SE Chester	13	1920EST-1925EST			0	0	0	0	Funnel Cloud
Funnel cloud sighted above Newell and along County Route 14, Middle Run Road.									
<b>Brooke County</b>									
Weirton	15	1000EST			0	0	3	0	Lightning
Lightning struck a house, sparking a fire that damaged the second floor and roof.									
<b>Berkeley County</b>									
Martinsburg Airport	17	1433EST			0	0	2	0	Thunderstorm Winds (G55)
Winds gusted to 63 mph. Trees and power lines were blown down in vicinity.									
<b>Jefferson County</b>									
Shepherdstown	17	1445EST			0	0	3	0	Thunderstorm Winds
State Police reported several trees and power lines blown down.									
<b>Mason County</b>									
Hartford	18	1550EST			0	0	3	0	Thunderstorm Winds
Several outbuildings were damaged or completely blown away.									
<b>Cabell County</b>									
Lesage	18	1835EST			0	0	0	0	Thunderstorm Winds
<b>Wayne County</b>									
Saltpetre to 3NW Dunlow	21	1410EST			0	0	3	0	Thunderstorm Winds
Trees were blown down across power lines. Several outbuildings were damaged.									
<b>Wayne County</b>									
3 NW Dunlow	21	1410EST			0	0	0	0	Hail (1.00)
<b>Jefferson County</b>									
Charles Town	23	1630EST			0	0	3	0	Thunderstorm Winds
Trees were uprooted and power lines were cut.									
<b>Braxton County</b>									
2 SE Sutton	24	0555EST			0	0	3	0	Thunderstorm Winds
Numerous trees were blown down at the Bee Run recreational area along Sutton Lake. High winds damaged the marina and a few boats.									
<b>Webster County</b>									
Webster Springs	24	0615EST			0	0	0	0	Thunderstorm Winds
Roads were blocked by fallen trees.									

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>WEST VIRGINIA Cont'd</b>									
Braxton, Calhoun, Gilmer, Clay, and Nicholas Counties	24	0630EST- 1000EST			0	0	4	0	Flash Flood
									Rainfall of one and half to three inches fell over wet ground in a 5-hour period ending around 0900EST. Numerous creeks flooded and blocked roads. In Clay County, three private bridges were washed out, six homes, four mobile homes, and a church sustained water damage.
Roane County Clover	24	1540EST			0	0	3	0	Lightning
									Lightning struck a utility pole located outside of an enlarged mobile home. An electrical fire was ignited in the home.
Ohio County Clearview to Wheeling	26	1733EST- 1812EST			0	0	0	0	Flash Flood
									Roads flooded in Clearview. Mudslides and basement flooding occurred in Wheeling.
Lewis County Walkerville	27	0930EST- 1500EST			0	0	4	0	Flash Flood
									Stream flooding damaged three houses, three mobile homes, and a bridge. Route 19 was closed by high water. Twenty-one people were evacuated.
Randolph County	27	1000EST- 1600EST			0	0	5	0	Flash Flood
									Repetitive showers dumped two to five inches of rain in less than 12 hours. The headwaters of Files Creek, east of Beverly, measured 4.80 inches. Near Dailey, 4.60 inches of rain fell. Twelve mobile homes were damaged along the lower reaches of Files Creek. One private bridge along Files Creek was washed away. Substantial damage was done to roads and home foundations. Flooding along Roaring Creek damaged three houses and a bridge in Mabie. In Coalton, five houses sustained water damage. Three Fork and Middle Fork River flooded Adolph and Cassity.
Barbour County	27	1100EST- 1400EST			0	0	4	0	Flash Flood
									The hardest hit community was Junior, where five houses, a church and a road were damaged.
Gilmer County Blackburn	27	1300EST- 1430EST			0	0	2	0	Flash Flood
									Rocky Fork and Indian Fork flooded secondary roads.
Clay County Big Otter to Ivydale	27	1300EST- 1430EST			0	0	2	0	Flash Flood
									Otter Creek and its tributaries flooded secondary roads.
Braxton County	27	1400EST- 1800EST			0	0	4	0	Flash Flood
									Evacuations were needed around Newville along Bens Run, at Wilsie along Dry Fork, and along Old Woman Run near Sutton. A total of 10 homes had minor damage. One road in Sutton was damaged.
Webster County	27	1400EST- 1900EST			0	0	3	0	Flash Flood
									The Replete and Hacker Valley region was affected the most by flooding. Replete measured 2.20 inches in less than 12 hours. Two private bridges were washed out and a grade school received minor flooding.
WVZ005-009	27 28	1600EST- 0700EST			0	0	3	0	River Flood

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## WEST VIRGINIA Cont'd

Minor river flooding occurred along the Tygart Valley and Buckhannon Rivers. The crest on the Tygart Valley River at Philippi was 20.5 feet. Flood stage at Philippi is 17 feet. The Buckhannon River peaked at 25.4 feet at Buckhannon. Flood stage is 23 feet.

Wayne County 1 SE Fort Gary	30	2150EST			0	0	0	3	Thunderstorm Winds
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Tree branches were snapped off and corn crops were damaged.

Wayne County Radnor	31	1030EST			0	0	3	0	Thunderstorm Winds
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Minor roof damage occurred and tree branches were broken off.

Wayne and Cabell Counties	31	1030EST- 1130EST			0	0	0	0	Flash Flood
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Krauts, Whites, and Four Pole Creeks overflowed across several roads.

Calhoun County Stinson	31	1200EST- 1400EST			0	0	0	0	Flash Flood
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One to two inches of rain in 1 hour caused creeks to flood Route 16.

Fayette County Mt. Hope	31	1240EST			0	0	3	0	Thunderstorm Winds
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Several trees were uprooted. A 60- to 70-foot maple tree fell on a porch.

## WISCONSIN

Chippewa County 6 SE Cornell	01	1700CST			0	0	5	3	Lightning
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Lightning struck a farm near Cornell and destroyed a tractor, a 136- by 40- foot barn, and 1,000 bales of hay.

WIZ002 Ashland and Iron Counties	02	Early Morning-			0	0	6	5	Flood
Dane County E Bristol	04	Morning			0	0	?	?	Hail (1.00)

Heavy rains of up to seven inches caused flooding of the Bad River in Ashland County and the Montreal River in Iron County. About \$1 million in damage occurred in Hurley (Iron County) including \$250,000 for a washed out highway. Businesses and basements were flooded in Ashland, Odanah, and Mellen (Ashland County), as well as Hurley (Iron County). Thirty people were evacuated from their homes. Several bridges and roads were closed causing traffic to detour about 50 miles south of the area. Rainfall amounts included 7.40 inches at Gurney and 3.35 inches at Hurley (Iron County). An isolated severe thunderstorm deposited hail up to 1.00 inch in diameter near East Bristol (Dane County).

Dodge County Hustisford	08	0545CST			0	0	4	?	Thunderstorm Winds
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Waukesha County Oconomowoc	08	0800CST			0	1	3	0	Lightning
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Vilas County 2 N Eagle River	08	1530CST			0	0	?	?	Thunderstorm Winds
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Marinette County 7 W Crivitz	08	1646CST			0	0	5	4	Thunderstorm Winds
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Crivitz	08	1655CST			0	0	4	4	Thunderstorm Winds
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Door County Sturgeon Bay	08	1810CST			0	1	6	?	Thunderstorm Winds (G61)
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Gusty winds from a severe morning thunderstorm blew down a garage and several trees near Hustisford (Dodge County). Lightning damaged two houses and injured a woman in Oconomowoc (Waukesha County). In the afternoon, scattered severe thunderstorms hit northeastern Wisconsin.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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## WISCONSIN Cont'd

In the Crivitz area (Marinette County), several homes and businesses as well as 75 trees were damaged by strong winds. The hardest area hit was Sturgeon Bay (Door County) where about \$1 million damage took place. Seven homes were severely damaged and numerous other houses and businesses sustained roof damage due to over 200 falling trees. Power was out to over 1,000 customers and a man was cut by flying glass when a tree fell into his house.

Green County Monroe	13	1610CST			0 0	? ?	Hail (1.00)
6 NE Monroe	13	1618CST			0 0	? ?	Thunderstorm Winds
Rock County 2 N Footville	13	1625CST			0 0	? ?	Thunderstorm Winds
Hanover	13	1628CST			0 0	? ?	Thunderstorm Winds
Afton	13	1630CST			0 0	? ?	Thunderstorm Winds
Dane County Albion	13	1647CST			0 0	? ?	Hail (1.00)

Scattered severe thunderstorms produced hail up to 1.00 inch in diameter and gusty winds that toppled trees and power lines in parts of south-central Wisconsin.

Pepin County Durand	19	0830CST			0 0	? ?	Thunderstorm Winds (G52)
Juneau County New Lisbon	19	1320CST			0 0	? ?	Hail (1.00)
LaCrosse County Barre Mills	19	1350CST			0 0	? ?	Hail (1.00)
Barre Mills	19	1350CST			0 0	? ?	Thunderstorm Winds
Adams County 5 S White Creek	19	1410CST			0 0	? ?	Hail (1.00)
Marathon County 2 WSW Stratford	19	1554CST	0.3	400	0 0	5 ?	Tornado (F1)
Vilas County Phelps	19	1605CST			0 0	? ?	Hail (1.75)
Columbia County Rio	19	1630CST			0 0	? ?	Hail (1.00)
Green County Monticello	19	1702CST			0 0	? ?	Hail (1.00)
Dane County Utica	19	1705CST			0 0	? ?	Hail (1.00)
Jefferson County Waterloo	19	1715CST			0 0	? ?	Hail (1.00)
Rock County 3 S Union	19	1725CST			0 0	? ?	Hail (1.00)

Scattered severe thunderstorms produced hail up to golf ball-size across parts of southwestern Wisconsin. A tornado touched down near Stratford (Marathon County) destroying a barn and damaging two houses, one garage, and several trees.

## WYOMING

Albany County 25 NE Laramie	01	1450MST			0 0	0 0	Hail (1.00)
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A thunderstorm brought a report of hail near Laramie in southeastern Wyoming.

Platte County Wheatland	01	1340MST- 1445MST			0 0	0 0	Hail (1.75)
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A large thunderstorm broke windows and damaged crops with 15 minutes of marble- to golf ball-size hail in and around Wheatland. Roof and car damage was widespread.

Carbon County Rawlins Airport	01	1635MST			0 0	0 0	Thunderstorm Winds (G58)
----------------------------------	----	---------	--	--	-----	-----	--------------------------

No injury or damage was reported from this storm.

# Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>WYOMING Cont'd</b>									
Platte County 2 E Wheatland	01	1845MST			0	0	0	0	Tornado (F0)
A tornado touched the ground briefly just east of Wheatland. No injury occurred and only minor damage was reported to some crops.									
Weston County	04	2308MST			0	0	0	0	Hail (0.75)
Late night thunderstorms brought 0.75-inch hail to the southern portion of Weston County.									
Weston County	05	0020MST			0	0	0	0	Hail (0.75)
Late night thunderstorms brought 0.75-inch hail to the southern portion of Weston County.									
Sweetwater County Rock Springs	05	2231MST			0	0	0	0	Thunderstorm Winds (G63)
No injury or damage was reported with this storm.									
Weston County Upton	07	1830MST- 1845MST			0	0	5	0	Thunderstorm Winds
Several trees, roofs, and home siding were damaged from strong gusty winds that lasted from 10 to 15 minutes.									
Big Horn County Garland	12	1155MST			0	0	0	0	Tornado (F0)
A brief touchdown occurred with no damage or injury near the town of Garland.									
Laramie County 30 E Cheyenne	12	1635MST			0	0	0	0	Funnel Cloud
The public reported a funnel cloud east of Cheyenne.									
Niobrara County 30 N Lusk	12	1740MST			0	0	4	0	Hail (1.75)
Large hail broke car windows and damaged some ranch houses north of Lusk.									
Carbon County Sinclair	15	1928MST			0	0	0	0	Thunderstorm Winds (G61)
No damage or injury was reported with this wind.									
Carbon County Rawlins	19	1610MST			0	0	0	0	Hail (0.75)
Hail up to 0.75 inch in diameter noted at the Rawlins Airport.									
Goshen County 10 W Jay Em	21	1330MST			0	0	0	0	Funnel Cloud
20 NE Guernsey	21	1342MST			0	0	0	0	Hail (1.75)
Ft Laramie	21	1405MST			0	0	0	0	Thunderstorm Winds (G61)
Strong thunderstorms scattered about southeastern Wyoming.									
Goshen County Lingle	21	1415MST			0	0	6	0	Thunderstorm Winds
Strong thunderstorm winds uprooted trees and caused extensive damage to houses and businesses. Winds estimated up to 85 mph caused trees to fall onto parked cars and snapped power lines. No injuries occurred.									
Campbell County 8 W Gillette	23	1803MST	0.10	20	0	0	0	0	Tornado (F0)
6 W Gillette	23	1826MST	0.10	20	0	0	0	0	Tornado (F0)
2 N Gillette	23	1826MST	0.10	20	0	0	0	0	Tornado (F0)
Weston	23	1826MST			0	0	4	0	Hail (1.75)
10 N Weston	23	1815MST			0	0	0	0	Thunderstorm Winds

## Storm Data and Unusual Weather Phenomena

July 1992

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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### WYOMING Cont'd

Strong thunderstorms brought rain, hail, tornadoes, and strong gusty winds to Campbell County during the evening.

Washakie County Worland	23	1506MST			0	0	0	0	Hail (0.75)
No injury or damage was reported with this hailstorm.									
Niobrara County Lusk	23	1345MST			0	0	3	0	Hail (1.75)
Minor damage occurred with this hailstorm in Lusk.									
Laramie County 7 N Cheyenne	24	1815MST			0	0	0	0	Hail (1.00)
No damage was reported with this storm.									
Albany County 5 S Laramie	26	1030MST			0	0	0	0	Funnel Cloud
The public reported a funnel cloud late in the morning.									
Laramie County 5 SE Cheyenne	26	1250MST			0	0	0	0	Hail (1.25)
No damage was reported south and east of Cheyenne Airport.									
Carbon County Rawlins	28	2018MST			0	0	0	0	Thunderstorm Winds (G62)
No injury or damage occurred at the Rawlins Airport.									
Platte County 20 N Wheatland	29	1615MST			0	0	0	0	Hail (1.75)
Large hail was reported north of Wheatland on Interstate 80.									

### ALASKA, Northern

None reported.

### ALASKA, Southern

Bristol Bay	04	2130AST			2	?	?	?	High Winds
At 10 miles north of Naknek, which is 300 miles southwest of Anchorage, high winds and rough seas capsized a fishing boat resulting in two deaths. The boat was later found capsized 2 miles west of graveyard point. This accident occurred at the height of the annual red salmon run where more than 900 boats were in Bristol Bay.									
Pribilofs	23	0730AST							Record Low Temperature
A temperature of 33 degrees at St. Paul Island broke the old daily low record of 36 degrees set in 1974.									
Kenai Peninsula	26	1600AST			0	0	?	?	Hail Storm
A sudden hail storm at Big Eddie's Camp Ground, about 3 miles west of Soldotna, produced hailstones as big as 0.50 inch in diameter.									
Yukon Kuskokwim Delta	27	1345AST	10.0	?	0	0	?	?	Tornado (F?)
At 1345 ADT pilots reported a tornado 110 miles west of Bethel. A resident of Chevok, about 110 miles or so west of Bethel, reported the twister had moved through the community but little if any damage was done. By 1405 ADT pilots reported the funnel clouds had dissipated. The last confirmed sighting of a tornado in Alaska was in the Big Delta area in 1979.									

# Storm Data and Unusual Weather Phenomena

July 1992

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

## ALASKA, Southern Cont'd

Yukon Kuskokwim Delta	27	2330AST			0	0	?	?	Lightning
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Following a stretch of unusually warm days, a lightning storm descended upon Hooper Bay. Damaging Television's, CB and VHF radios as well as making some phones inoperable. Near injuries occurred when one residence was struck. The people inside reported a flash of light that numbed muscles and was accompanied by a burning stench.

Pribilofs	28	1555AST							Record High Temperature
-----------	----	---------	--	--	--	--	--	--	-------------------------

A record high temperature of 63 degrees recorded at St. Paul Island tied the all time record for the month of July previously set in 1969 and 1977.

Pribilofs	29	1600AST							Record High Temperature
-----------	----	---------	--	--	--	--	--	--	-------------------------

A 59 degrees temperature at St. Paul Island broke the old daily record of 56 degrees set in 1988.

## ALASKA, Southeastern

None reported.

## HAWAII

None reported.

## PACIFIC

None reported.

## PUERTO RICO

San Juan Morovis	20	1550AST			0	0	0	2	Urban Flood
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Around two inches of rain fell in the San Juan Metropolitan area. There was urban flooding in Guaynabo, Bayamon and Guaynabo. Several houses in low-lying and poorly drained areas suffered losses due to standing water.

## VIRGIN ISLANDS

None reported.

# Storm Data and Unusual Weather Phenomena

July 1992

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

## ADDITIONS

### LOUISIANA

JUNE 1992

Caddo Parish Rodessa	29	0130CST			0	0	4	?	Thunderstorm Winds
Bossier Parish 5W Plain Dealing to 2N Benton	29	0145CST			0	0	?	?	Thunderstorm Winds
Webster Parish Springhill	29	0210CST			0	0	?	?	Thunderstorm Winds
Claiborne Parish 2N Haynesville	29	02330CST			0	0	?	?	Thunderstorm Winds

Scattered thunderstorms moving east 35 to 45 mph rolled over a mobile home and took part of a roof from a home in Rodessa. Numerous trees and power lines were blown down in Rodessa, 5 miles west of Plain Dealing, in Springhill, and 2 miles north of Haynesville.

STORM DAMAGE CATAGORIES

REFERENCE NOTES

- 1 Less than \$50
- 2 \$50 to \$500
- 3 \$500 to \$5,000
- 4 \$5,000 to \$50,000
- 5 \$50,000 to \$500,000
- 6 \$500,000 to \$5 Million
- 7 \$5 Million to \$50 Million
- 8 \$50 Million to \$500 Million
- 9 \$500 Million to \$5 Billion.

- 0/Blank None reported.
- \* Miles instead of yards.
- \*\* Yards instead of miles.
- @ Includes heavy sleet storm.
- # Freezing drizzle and freezing rain, commonly known as glaze.
- ≠ Report incomplete.
- ≠≠ Report not received.
- o/c Indicates Crop Damage amount is included in the value given for property damage.

When reports are not received or are incomplete, the Storm Summary National Death and Injury totals may also be incomplete.

Definition of Fujita Tornado Scale (F scale)

(F0) Gale tornado (40-72 mph): Light damage  
Some damage to chimneys; break branches off trees; push over shallow-rooted trees; damage sign boards.

(F1) Moderate tornado (73-112 mph): Moderate damage  
The lower limit (73 mph) is the beginning of hurricane wind speed; peel surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads.

(F2) Significant tornado (113-157 mph): Considerable damage  
Roofs torn off frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light-object missiles generated.

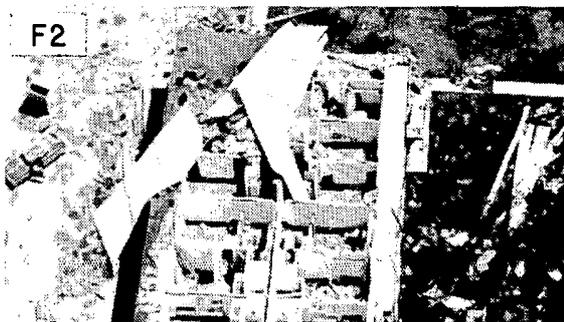
(F3) Severe tornado (158-206 mph): Severe damage  
Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.

(F4) Devastating tornado (207-260 mph): Devastating damage  
Well-constructed houses leveled; structure with weak foundation blown off some distance; cars thrown and large missiles generated.

(F5) Incredible tornado (261-318 mph): Incredible damage  
Strong frame houses lifted off foundations and carried considerable distance to disintegrate; automobile-sized missiles fly through the air in excess of 100 m; trees debarked; incredible phenomena will occur.

(F6-F12) (319 mph to Mach 1, the speed of sound):  
The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

- 
- (F0+F1) Weak Tornado
  - (F2+F3) Strong Tornado
  - (F4+F5) Violent Tornado
- 



From J. Atmos. Sci., August 1981, p. 1517-1519

# STORM SUMMARY

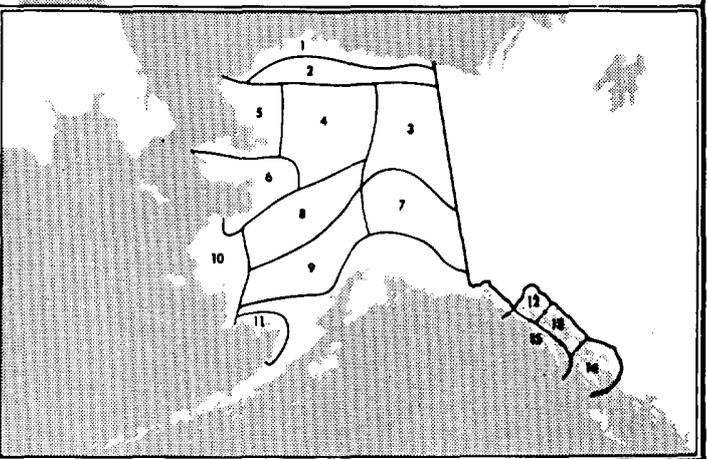
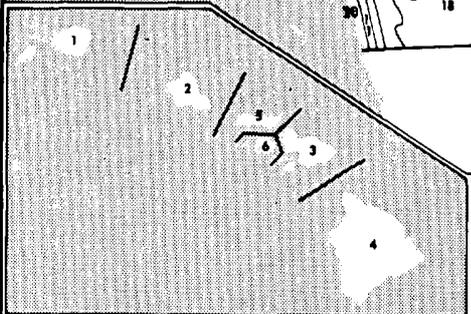
JULY 1992

TYPE	ALABAMA	ARIZONA	ARKANSAS	CALIFORNIA	COLORADO	CONNECTICUT	DELAWARE	FLORIDA	GEORGIA	IDAHO	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MAINE	MARYLAND & DC	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE
<b>TORNADOES</b>																											0
Number	1	1	1		8	2	5	9		1	9	14	11	10				1		3	1		11	5	14		
Days	1	1	1		8	2	5	9		1	9	14	11	10				1		3	1		11	5	14		
Deaths	0	0	0		0	0	0	0		0	0	0	0	0				0		0	0		0	0	0		
Injuries	0	0	0		0	0	0	0		0	0	0	0	0				0		0	0		0	0	0		
Property Damage	0	0	0		0	0	0	0		0	0	0	0	0				0		0	0		0	0	0		
Crop Damage	0	0	0		0	0	0	0		0	0	0	0	0				0		0	0		0	0	0		
<b>HAIL</b>																											
Deaths	0	0	0		0	0	0	0		0	0	0	0	0				0		0	0		0	0	0		
Injuries	0	0	0		0	0	0	0		0	0	0	0	0				0		0	0		0	0	0		
Property Damage	0	0	0		0	0	0	0		0	0	0	0	0				0		0	0		0	0	0		
Crop Damage	0	0	0		0	0	0	0		0	0	0	0	0				0		0	0		0	0	0		
<b>THUNDERSTORM WINDS</b>																											
Deaths	1	0	0		0	0	0	0		2	5	0	1	0				0		0	0		0	0	3		
Injuries	2	0	0		0	0	0	0		5	0	0	1	0				0		0	0		0	0	3		
Property Damage	2	0	0		0	0	0	0		5	0	0	1	0				0		0	0		0	0	3		
Crop Damage	2	0	0		0	0	0	0		5	0	0	1	0				0		0	0		0	0	3		
<b>HIGH WINDS</b>																											
Deaths				0																							
Injuries				0																							
Property Damage				0																							
Crop Damage				0																							
<b>LIGHTNING</b>																											
Deaths	0	0	0		0			1		0	0	1	1	0				0		0	0		0	0	0		
Injuries	0	0	0		0			1		0	0	1	1	0				0		0	0		0	0	0		
Property Damage	0	0	0		0			0		0	0	0	0	0				0		0	0		0	0	0		
Crop Damage	0	0	0		0			0		0	0	0	0	0				0		0	0		0	0	0		
<b>FLASH FLOODS</b>																											
Deaths	0	0	0		0			0		0	0	0	0	0				0		0	0		0	0	0		
Injuries	0	0	0		0			0		0	0	0	0	0				0		0	0		0	0	0		
Property Damage	0	0	0		0			0		0	0	0	0	0				0		0	0		0	0	0		
Crop Damage	0	0	0		0			0		0	0	0	0	0				0		0	0		0	0	0		
<b>FLOODS</b>																											
Deaths												0	0	0				0		0	0				0		
Injuries												0	0	0				0		0	0				0		
Property Damage												0	0	0				0		0	0				0		
Crop Damage												0	0	0				0		0	0				0		
<b>HEAVY SNOWSTORMS AND BLIZZARDS a</b>																											
Deaths																											
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Injuries																											
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<b>ALL OTHERS</b>																											
Deaths								1		0																	
Injuries								4		8																	
Property Damage								0		0																	
Crop Damage								0		0																	

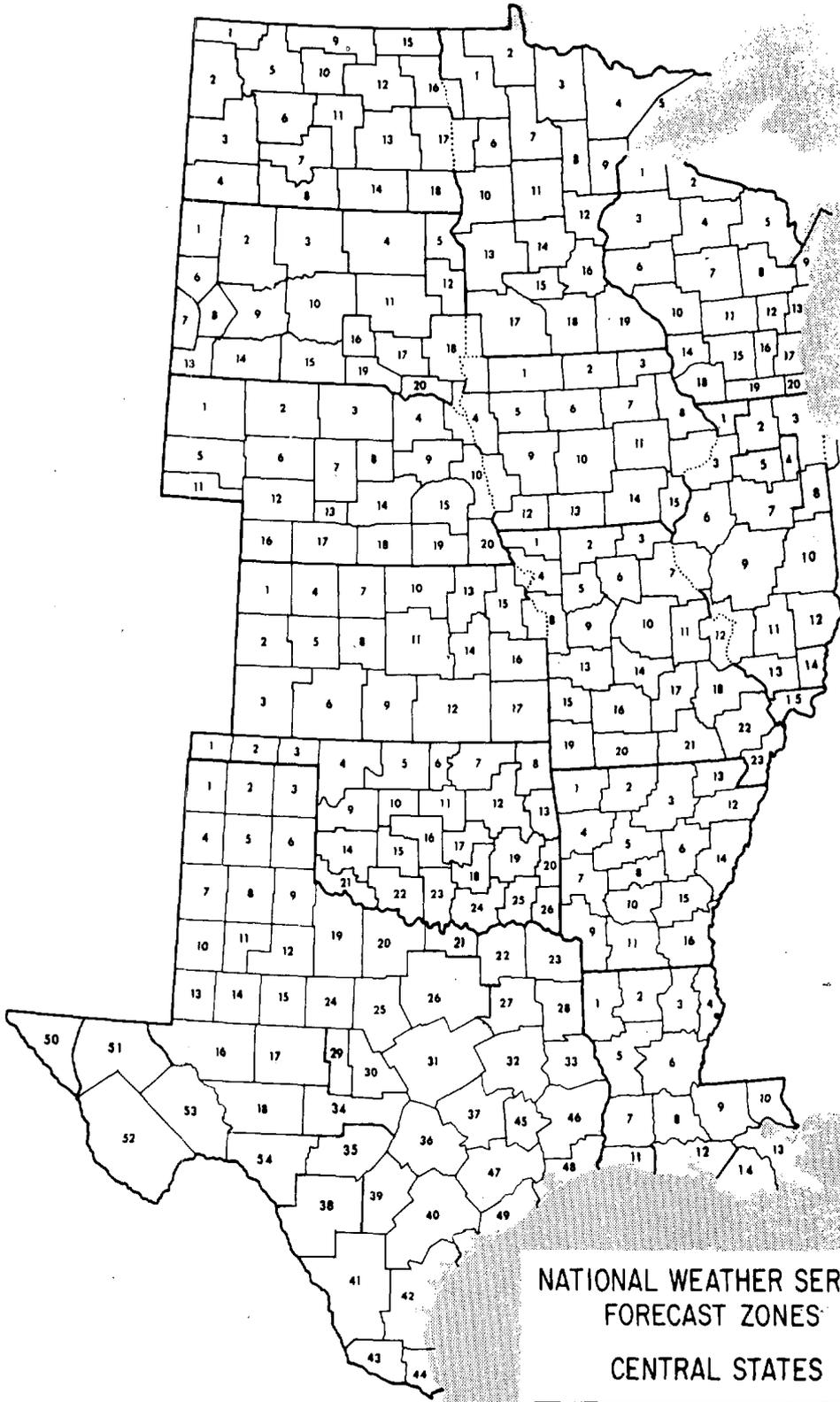
# STORM SUMMARY

JULY 1992

TYPE	NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKLAHOMA	OREGON	PENNSYLVANIA	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN	WYOMING	ALASKA	HAWAII	PACIFIC	PUERTO RICO	VIRGIN ISLANDS	& INJURY NATIONAL DEATHS	TOTALS
<b>TORNADOES</b>																												
Number			13	3	2	44	2	1	20			7		4	0			1	1	1	5					0		
Days			2	3	0	7	1	0	4			1		3				0	0	0	0					0		
Deaths			0	0	0	36	0	0	0			0		0				0	0	0	0					0		
Injuries			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Property Damage			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Crop Damage			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
<b>HAIL</b>																												
Deaths			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Injuries			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Property Damage			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Crop Damage			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
<b>THUNDERSTORM WINDS</b>																												
Deaths			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Injuries			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Property Damage			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Crop Damage			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
<b>HIGH WINDS</b>																												
Deaths			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Injuries			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Property Damage			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Crop Damage			0	0	0	0	0	0	0			0		0				0	0	0	0					0		
<b>LIGHTNING</b>																												
Deaths	1	0	0	0	0	10	0	0	1			0		1				1	0	1	1					0		
Injuries	0	0	0	0	0	4	0	0	4			0		0				0	0	0	0					0		
Property Damage	0	0	0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Crop Damage	0	0	0	0	0	0	0	0	0			0		0				0	0	0	0					0		
<b>FLASH FLOODS</b>																												
Deaths	0	0	0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Injuries	0	0	0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Property Damage	0	0	0	0	0	0	0	0	0			0		0				0	0	0	0					0		
Crop Damage	0	0	0	0	0	5	0	0	0			0		4				0	0	0	0					0		
<b>FLOODS</b>																												
Deaths					0	0						0							0	0	5							
Injuries					0	0						0							0	0	0							
Property Damage					0	0						0							0	0	0							
Crop Damage					0	0						0							0	0	0							
<b>HEAVY SNOWSTORMS AND BLIZZARDS a</b>																												
Deaths																												
Injuries																												
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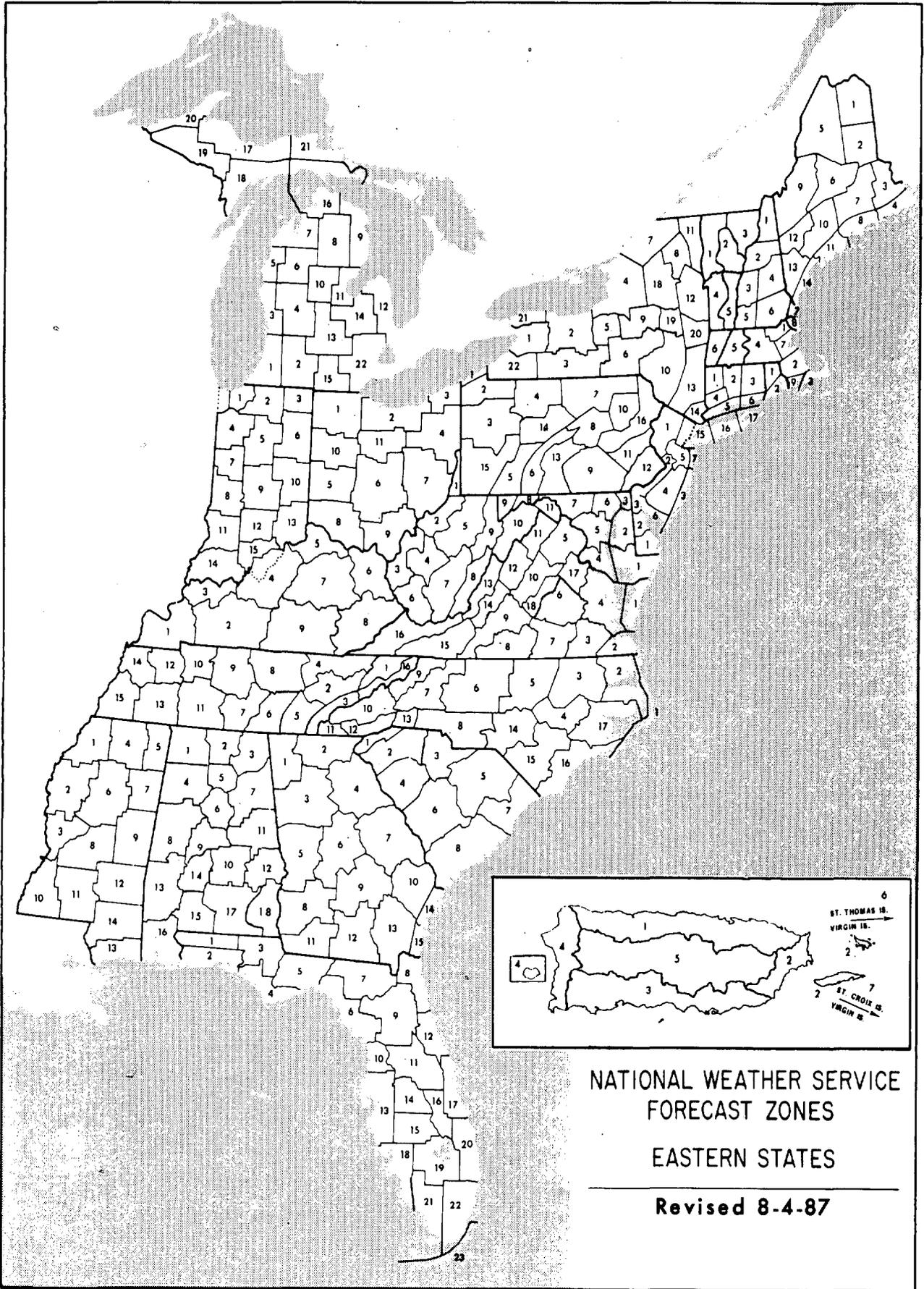


NATIONAL WEATHER SERVICE  
 FORECAST ZONES  
 WESTERN STATES  
 Revised 8-4-87



NATIONAL WEATHER SERVICE  
FORECAST ZONES  
CENTRAL STATES

Revised 8-4-87



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- \* Solar Energy

### STORM DATA

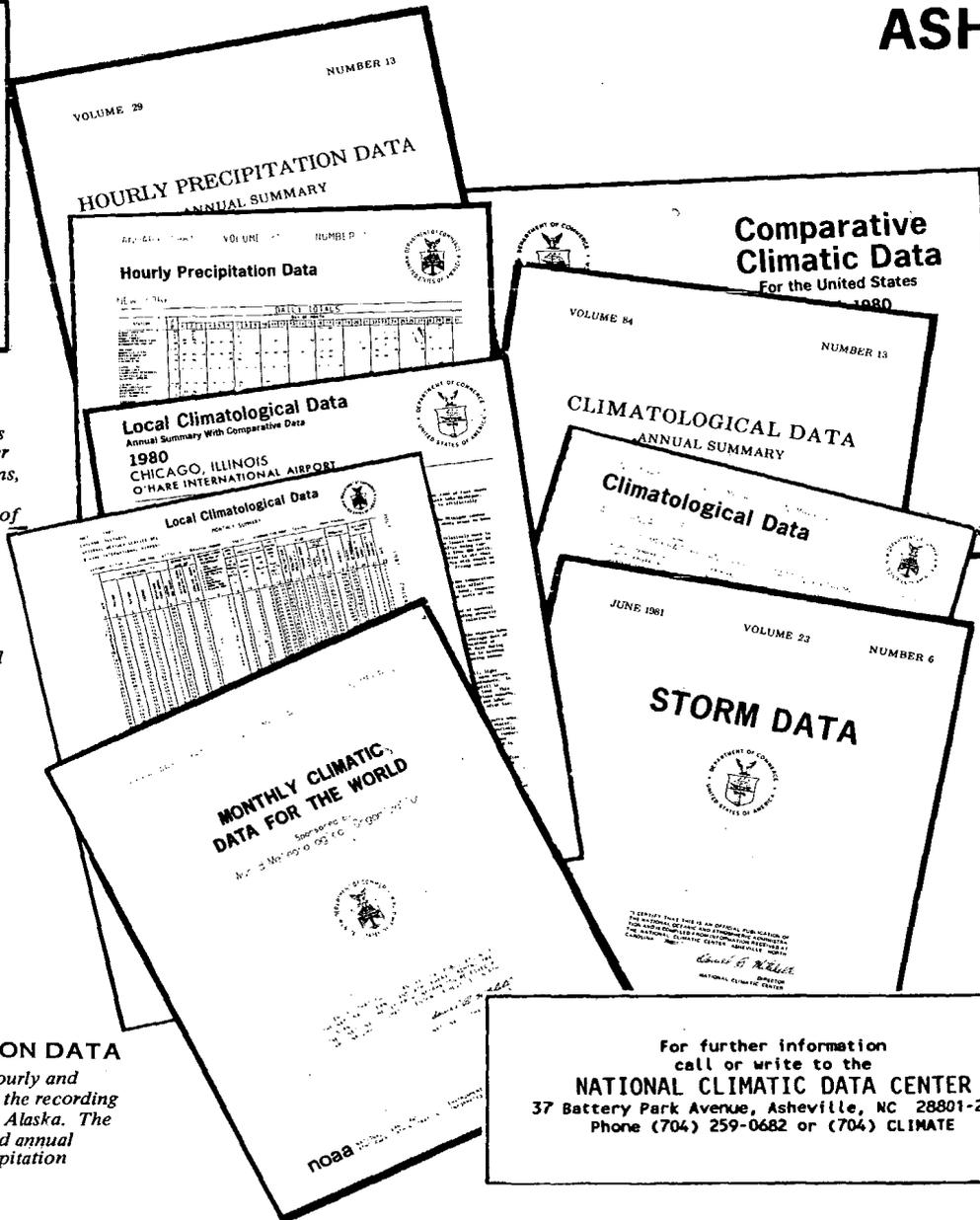
Monthly issue presents a chronological listing, by states, of occurrences of storms and unusual weather phenomena, together with data on the paths of individual storms, deaths, injuries, and estimated property damage, and a brief narrative description of each event. A new section in the bulletin entitled "OUTSTANDING STORMS OF THE MONTH" highlights severe weather and includes descriptive photographs of storms, their tracks, and analyzed maps. The December issue includes annual summaries of tornadoes and lightning and North Atlantic tropical cyclones.

### LOCAL CLIMATOLOGICAL DATA

Published monthly for each first-order station. Presents daily maximum and minimum temperatures, degree day data, precipitation, station pressures, wind statistics, sunshine and sky cover data, as well as 3-hourly data for certain parameters. An annual issue is available summarizing monthly data and including up to 40 years record, and featuring a narrative climatological summary and history of the station.

### HOURLY PRECIPITATION DATA

Monthly issue presents daily, hourly and maximum short duration data for the recording gage stations for each state except Alaska. The annual issue tabulates monthly and annual totals, and annual maximum precipitation data by selected time categories.



### CLIMATOLOGICAL DATA

Published monthly for each state. Gives daily temperature and precipitation records, and monthly averages and totals, with departures from normal when available. Also derived statistics such as heating and cooling degree days, counts of days equaling or exceeding given temperature and precipitation thresholds, extremes, etc., are published for cooperative and first-order stations. Evaporation and soil temperature data are given for reporting stations. Seasonal snowfall, heating and cooling degree day tables included in selected tables. Annual summary also available.

### COMPARATIVE CLIMATIC DATA

Presents tables of monthly and annual averages, totals or extreme climate conditions for approximately 300 major population centers. This publication is particularly helpful for comparing temperature, rainfall, snowfall, wind velocities, sunshine, cloudiness and relative humidities for the principal cities. The cities are listed alphabetically by state in two sections: observed data and climatological normals. This is an annual publication.

### MONTHLY CLIMATIC DATA FOR THE WORLD

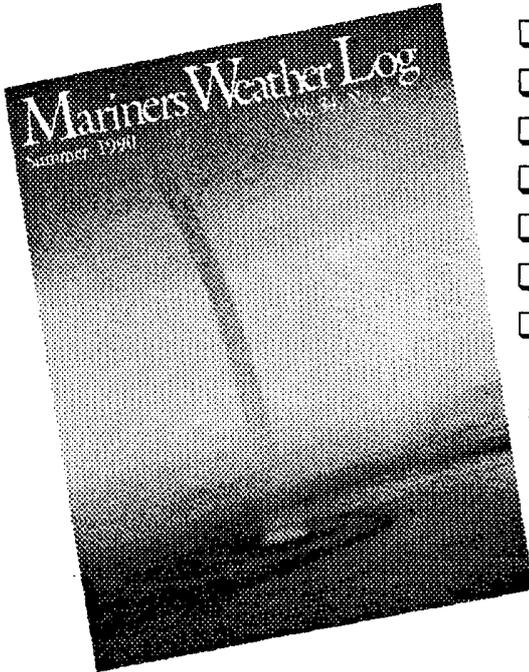
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