

AUGUST 1995  
VOLUME 37  
NUMBER 8

WEA

# STORM DATA

U.S.A.

HUMBERTO

IRIS

KAREN

LUIS

South America

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:** A NOAA GOES-8 Enhanced Infrared satellite image of the famous "Parade of Storms" in the Atlantic Ocean Basin on August 29, 1995 at 1145 UTC (minus 4 hours for EDT). At this time, Hurricane Humberto, Hurricane Iris, Tropical Storm Karen and Tropical Storm Luis coexisted. Refer to the Outstanding Storms of the Month section for additional information about the storms. Hurricane Luis will appear in the September 1995 Storm Data issue. (*Satellite courtesy: NCDC, Asheville, N.C.*)

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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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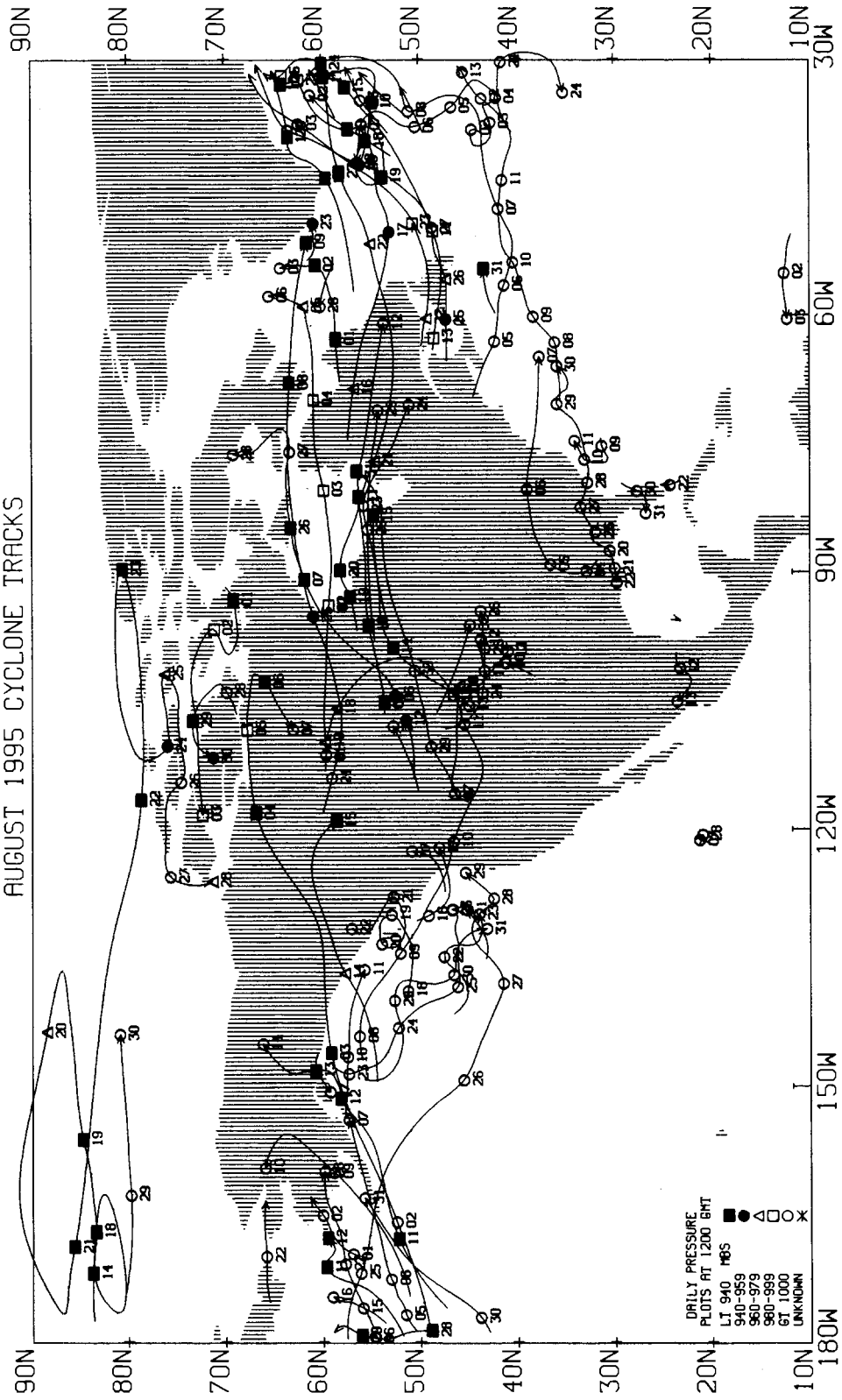
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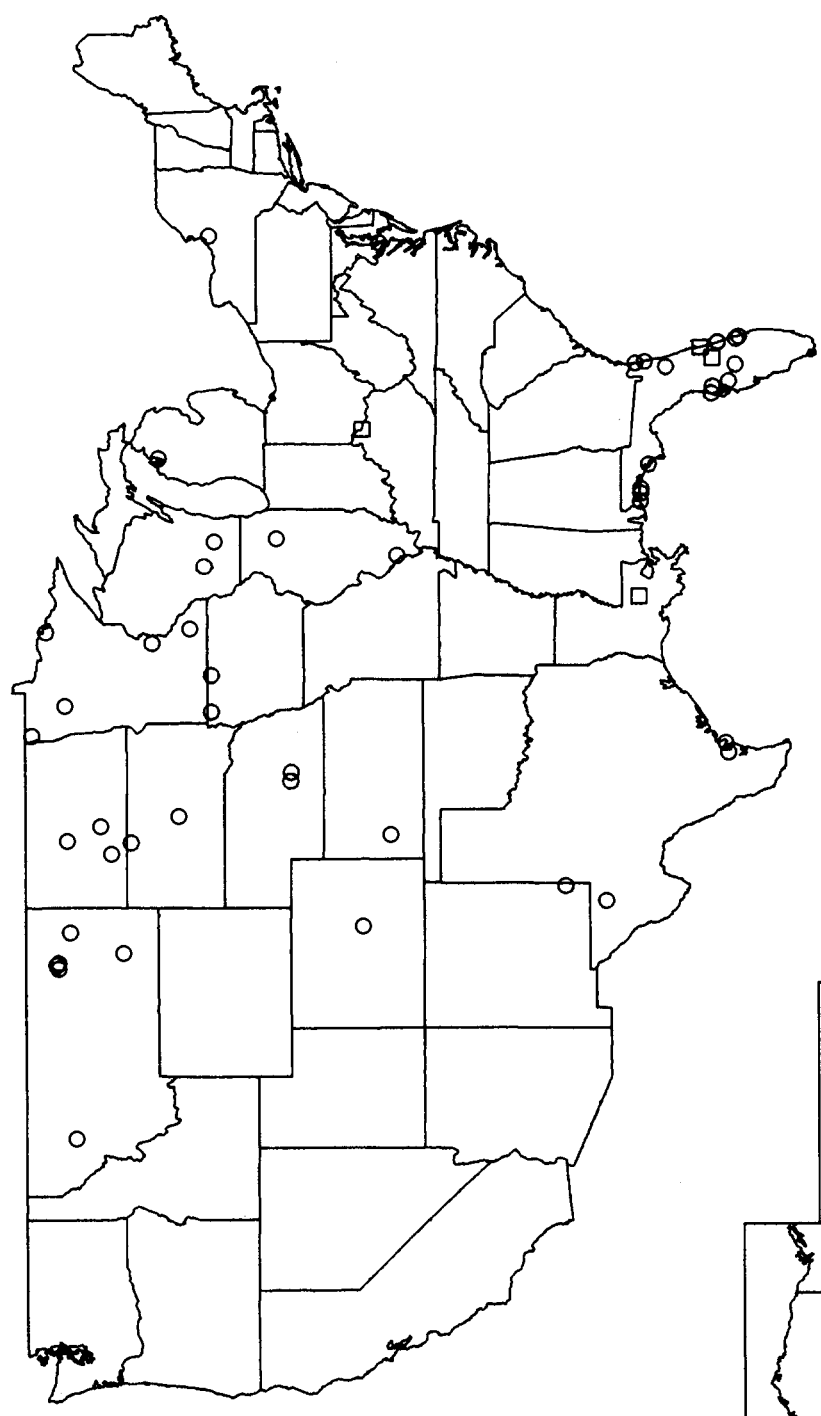


Director,  
National Climatic Data Center

# AUGUST 1995 CYCLONE TRACKS

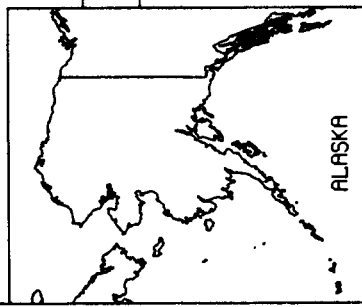


AUGUST 1995 CONFIRMED TORNADES

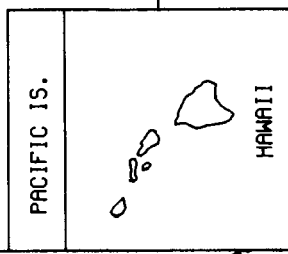


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NUMBER	49	4	0	0	0	0

TOTAL 53

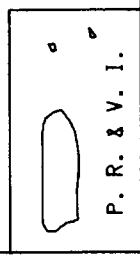


ALASKA



PACIFIC IS.

HAWAII



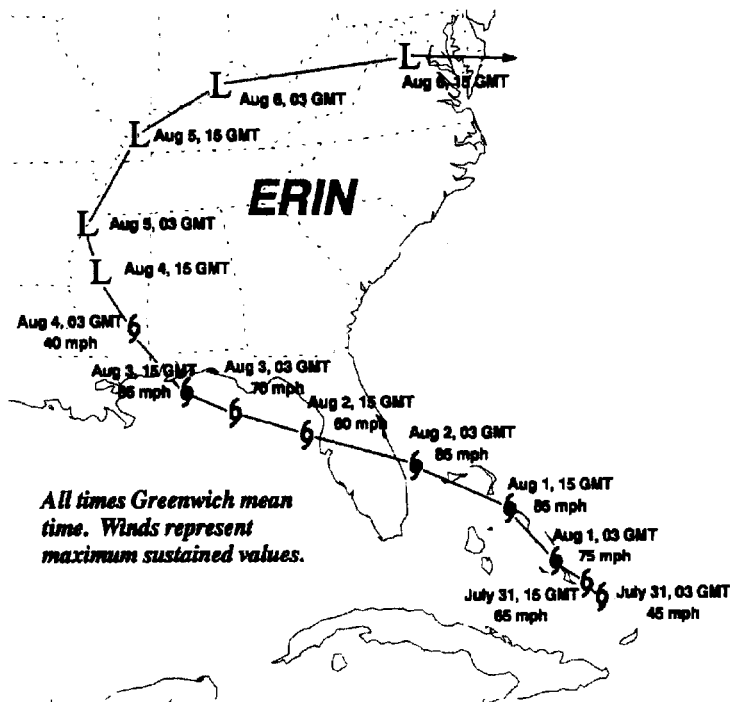
P. R. & V. I.

# OUTSTANDING STORMS OF THE MONTH

## 1. TROPICAL CYCLONES IN THE ATLANTIC OCEAN BASIN

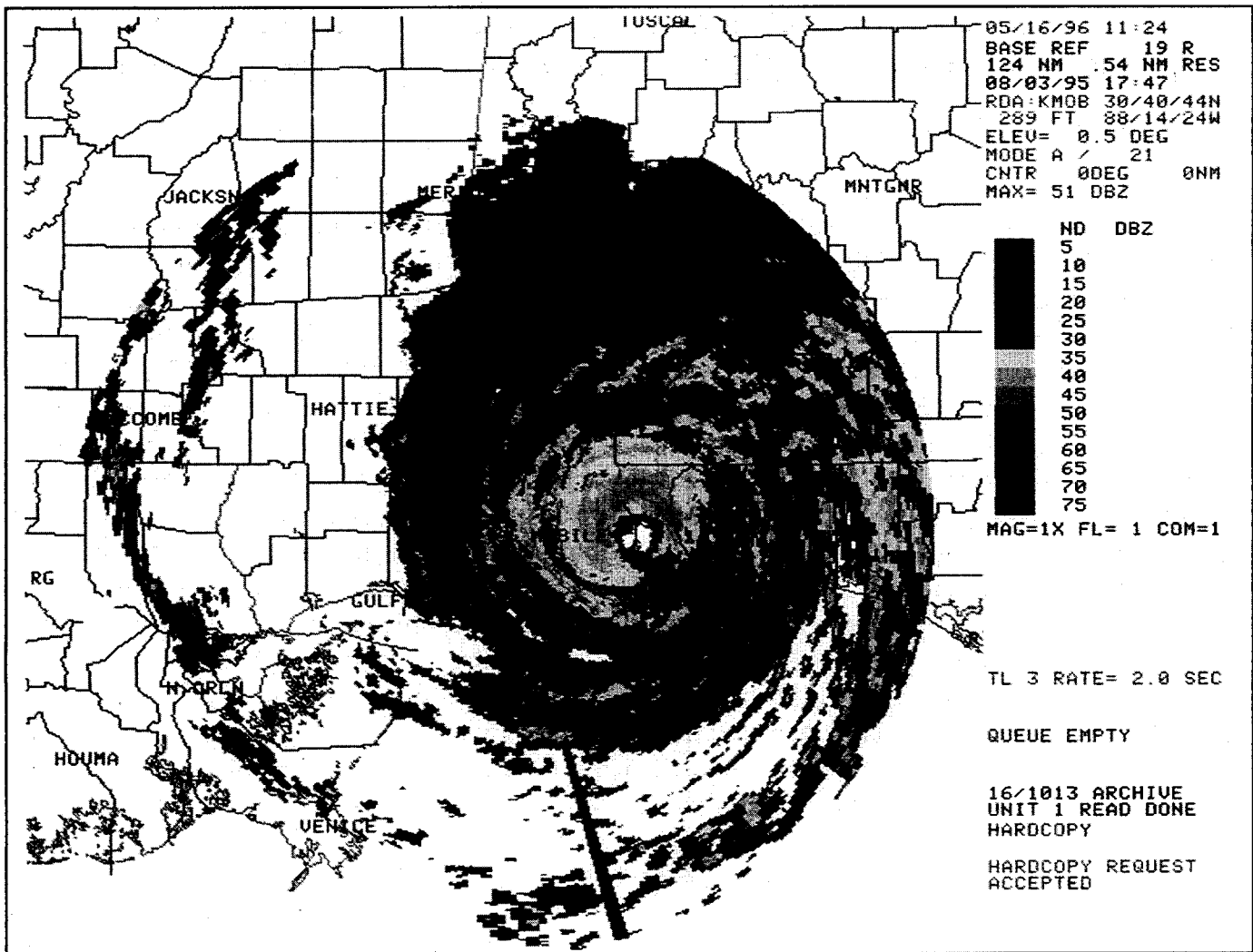
### A. HURRICANE ERIN: JULY 31 - AUGUST 6

A tropical wave moved from the west coast of Africa on July 22 to the tropical eastern Atlantic Ocean near the Leeward Islands on July 27. Development was slow due to a southwesterly vertical wind shear associated with an upper-level low that was moving southwestward across Florida. The wave intensified into Tropical Storm Erin at 0000 GMT (minus 4 hours for EDT) on July 31. Steering currents around the upper-level low turned Erin from a west-northwest to a northwest direction with a course over much of the Bahamas Island chain and toward east-central Florida. After slow strengthening, Tropical Storm Erin intensified into a hurricane at 0000 August 1 while centered near Rum Cay in the Bahamas. Continuing a northwesterly direction, Erin made landfall around 0600 GMT on August 2 near Vero Beach, Florida as a Category 1 hurricane on the Saffir/Simpson Hurricane Scale, with sustained (1-minute average) wind speed of 75 knots (86 mph). After landfall, Erin's forward direction changed to the west-northwest. Erin weakened into a tropical storm by 1200 GMT on August 2. After emerging into the eastern Gulf of Mexico, Erin reintensified into a hurricane and turned to the northwest. The hurricane's eyewall made landfall near Fort Walton Beach as a Category 2 hurricane at 1330 GMT on August 3 with one-minute average wind speed of 85 knots (98 mph) based on NWS Mobile office Doppler radar. Erin made a final landfall near Pensacola, Florida at 1600 GMT on August 3 with an eye diameter of 15 miles as a Category 1 hurricane. Erin is the first hurricane since 1926 to cross the Pensacola area. After landfall, the hurricane weakened into a tropical storm in southeastern Mississippi on August 4 at 0000 GMT. Erin continued to weaken and became a tropical depression at 1200 GMT on August 4.



The tropical depression's path curved to the north and then to the east by August 6. The depression merged with a frontal system over West Virginia on August 6. There were no deaths in the Bahamas or in Florida. However, a total of six drowning deaths occurred in the Atlantic and Gulf of Mexico. Total damage caused by Erin is estimated at \$700 million in the United States.

Map courtesy: Weekly Weather and Crop Bulletin, August 8, 1995



The above Nexrad image on August 3, 1995 at 17:47 UTC (13:47 EDT) shows Hurricane Erin about two hours after landfall crossing into Alabama from Florida. At the same time, an outer feeder band existed from south central Mississippi out into the Gulf of Mexico and back across the western panhandle of Florida. (Nexrad courtesy: Bob Boreman, NCDC, Asheville, NC.)

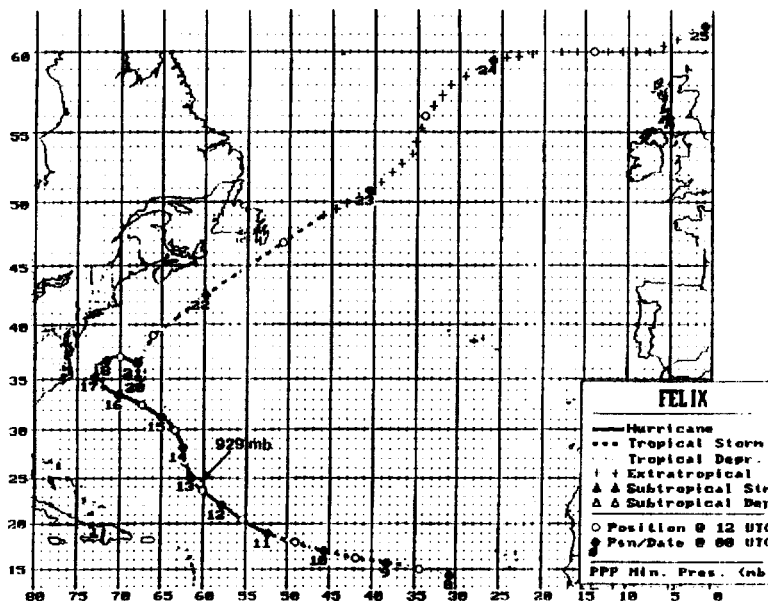
Special thanks to Axel Graumann and Bob Boreman, NCDC, and Karen Ross, ORKAND, Asheville, NC for provision of satellite and Nexrad images.

## B. HURRICANE FELIX: AUGUST 8 - AUGUST 25

A tropical wave moved off the west African coast on August 6 and quickly displayed a circulation as it moved toward the west. The wave became Tropical Depression Seven about 400 nautical miles west-southwest of the Cape Verde Islands at 0000 UTC (minus four hours for EDT) on August 8. Eighteen hours later, the depression strengthened into Tropical Storm Felix and moved in a west-northwestward direction at 15 to 20 knots (17 - 23 mph) for the next three days. Tropical Storm Felix intensified into a hurricane at 0000 UTC on August 11 while centered about 500 nautical miles east-northeast of the Leeward Islands. Rapid strengthening occurred from 1200 UTC on August 11 through the 12th. Maximum sustained surface winds (1-minute average) of 120 knots (138 mph) occurred near 1800 UTC on August 12. A well defined "eye" was visible in satellite imagery at this time. Felix moved northwestward on August 12 and turned more to the north and started to weaken on August 13 due to increased wind shear but remained at hurricane strength. The northward turn was caused by a large deep-layer trough over the western Atlantic. The trough split with the northern part moving northeastward and the southern part moving southward to a position southwest of the hurricane. The resulting steering current moved Felix in a northwest direction and within 65 nautical miles of Bermuda and then toward the North Carolina coast. The split in the trough increased the ridging over the western Atlantic, but a weakness in the steering currents remained between 70°W and 75°W. Felix turned northward into the weakness and its forward progress slowed late on August 16. The hurricane moved slowly northeastward on August 17. A second trough failed to "pick-up" Felix on August 18 and 19th, and as a result, the hurricane made an anticyclonic loop as the trough moved by. On August 20, Felix accelerated northward, and then northeastward on August 21 in response to a third trough. Felix weakened into a tropical storm as the cyclone moved over colder water and upper level shearing increased. Felix became extratropical about 300 nautical miles east-northeast of Newfoundland

on August 22. The extratropical cyclone was tracked across the north Atlantic between Scotland and Iceland, and then toward Norway.

Although Felix did not strike the eastern United States, large swells produced dangerous surf conditions, coastal flooding, and rip currents from northeastern Florida to New England. A total of eight deaths were associated with Felix, three occurred off the North Carolina coast and five off the New Jersey coast. All deaths were a result of drowning.



Best track positions for Hurricane Felix, 8 - 25 August 1995.

Map courtesy: National Hurricane Center, Miami, FL



NOAA/NESDIS/STAR

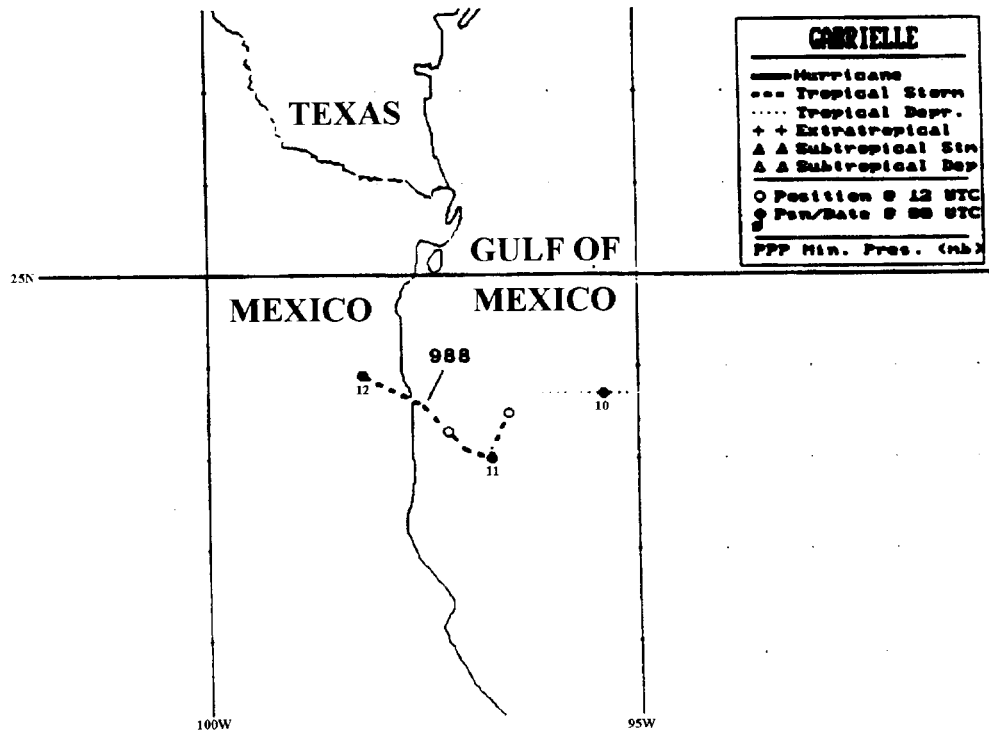


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### C. TROPICAL STORM GABRIELLE: AUGUST 10 - AUGUST 12

A tropical wave was at the west coast of Africa on July 27 and was a well-defined system as it tracked across the Atlantic Ocean and Caribbean Sea over a 12-day period. It crossed into the western Gulf of Mexico on August 8. A weak low-level cloud circulation was evident from visible satellite imagery on August 9. The wave was upgraded to a depression at 1800 UTC on August 9. With sporadic periods of deep convection, the depression strengthened into Tropical Storm Gabrielle at 1200 UTC on August 10. The storm gradually intensified with a 1-minute average wind speed of 60 knots (70 mph) at 1800 UTC on August 11, just prior to moving inland. Landfall was on the coast of Mexico, just south of La Pesca or about 150 nautical miles south of the United States and Mexico border. Gabrielle quickly weakened after moving inland. No deaths occurred with Gabrielle and damage was minor.

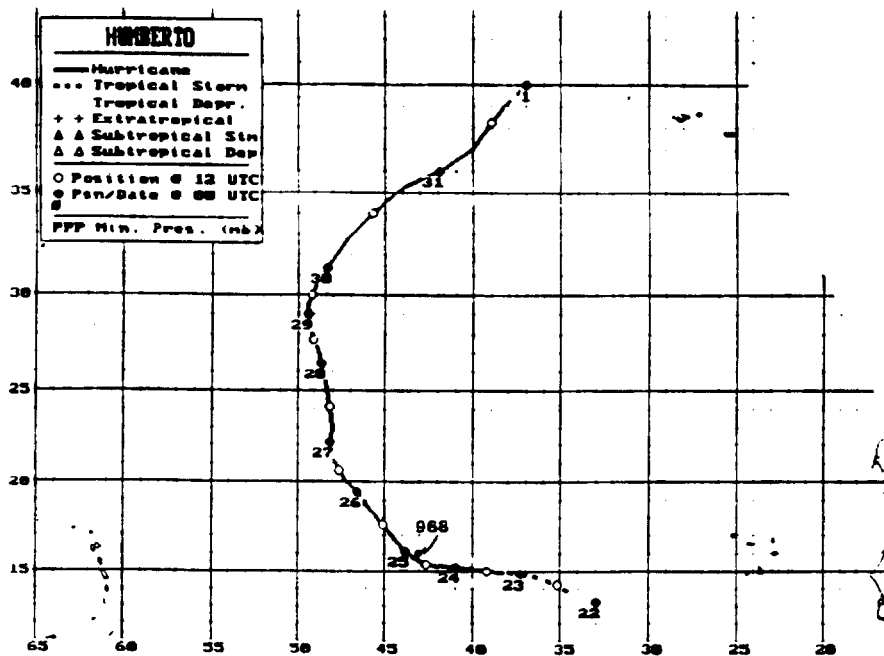


Map courtesy: National Hurricane Center, Miami, FL

**Previous page:** A GOES-8 visible satellite image of Hurricane Felix on August 17 at 1345 UTC (Z). At this time, the hurricane was in an environment of weak steering currents as a ridge existed over the western Atlantic. Felix remained in the area for next several days. On August 20, Felix began to weaken and move northeastward over the north Atlantic Ocean. (Satellite courtesy: Alex Graumann, NCDC, Asheville, N.C.)

## D. HURRICANE HUMBERTO: AUGUST 22 - SEPTEMBER 1

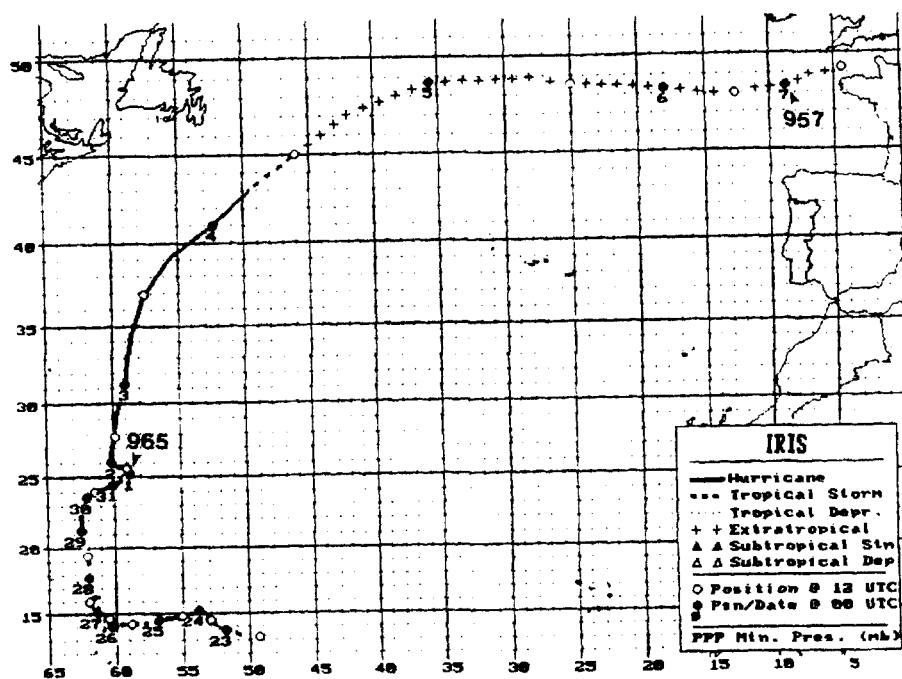
Hurricane Humberto developed from one of the several strong tropical waves that moved off the west coast of Africa in August 1995. Humberto was preceded by a strong tropical wave which developed into Iris, and followed by another strong wave which became Karen. Overall, Humberto coexisted with four other tropical cyclones - Iris, Jerry, Karen, and Luis. Satellite images and surface reports indicated a broad cyclonic rotation associated with the wave as soon as it moved off the west coast of Africa. Convection in the wave was disorganized and displaced to the southwest due to northeasterly wind shear. When the wave moved westward into a more favorable environment, development was rapid. The wave intensified into a depression at 0000 UTC on August 22 and then became Tropical Storm Humberto six hours later. Humberto reached hurricane intensity at 0600 UTC on August 23 and reached maximum intensity (1-minute average) of 95 knots (110 mph) with a minimum central pressure of 968 millibars at 1800 UTC on August 24. The hurricane's motion was influenced by a mid-level (500 millibars) trough over the central Atlantic. The trough turned Humberto on a northward direction for the next several days. The hurricane weakened due to the outflow from Iris, but remained at hurricane strength. Once Humberto moved away from Iris, the hurricane reintensified slightly. Humberto maintained hurricane status until August 31 when it weakened to a tropical storm and turned northeast in advance of an existing extratropical (low) cyclone. The extratropical cyclone later absorbed Humberto early on September 1. There were no deaths or damage associated with Humberto.



Map courtesy: National Hurricane Center, Miami, FL

## E. HURRICANE IRIS: AUGUST 22 - SEPTEMBER 4

Iris formed from a tropical wave that moved west off the coast of Africa on August 16. A day later near the Cape Verde Islands, a circulation was evident from surface observations and satellite imagery. Over the next few days, the wave move westward across the tropical eastern Atlantic. The wave became Tropical Depression Ten at 1200 UTC on August 22 while located about 600 nautical miles to the east of the Lesser Antilles. Six hours later, the depression was upgraded to Tropical Storm Iris. Iris moved to the northwest on August 23 and quickly strengthened. Iris intensified into a hurricane at 1800 UTC on August 23. The hurricane moved west-southwest at 10 knots toward the Lesser Antilles on August 24 and 25th. The change in direction was probably an effect of the Fujiwhara interaction (an interaction between two tropical cyclones with one cyclone, normally the weaker, being forced to move around the other) between Iris and Humberto located 750 nautical miles to the east. Humberto developed from a depression on August 22 to a 95-knot hurricane late on August 24. On August 25, Iris neared the Lesser Antilles. An upper-level low was centered north of Puerto Rico. As westerly vertical wind shear occurred, Iris weakened to a tropical storm and the storm's forward speed decreased. Steering currents ahead of a trough to the northwest turned Iris toward the north-northwest on August 27. Iris moved north over the Leeward Island chain causing heavy rain with some totals near 18 inches. Four deaths occurred on Martinique, two each in two homes affected by mud slides. As shear decreased, Iris regained hurricane status over the south-central Atlantic on August 28. Iris reached peak intensity (1-minute average) of 95 knots (110 mph) while located several hundred miles to the southeast of Bermuda on September 1. Iris began to do a Fujiwhara interaction with Tropical Storm Karen to its southeast on August 30. This interaction swept the weaker Karen on a spiral path around and then into Iris. Iris absorbed Karen on September 3. Hurricane Iris quickly weakened and became extratropical in an environment of increased wind shear and relatively cool water and accelerated northeastward well to the southeast of Newfoundland on September 4. The extratropical cyclone then turned eastward and intensified. The pressure fell from 1000 millibars to 957 millibars in about 48 hours. On September 7, the cyclone affected western Europe with sustained wind speeds near 65 knots.

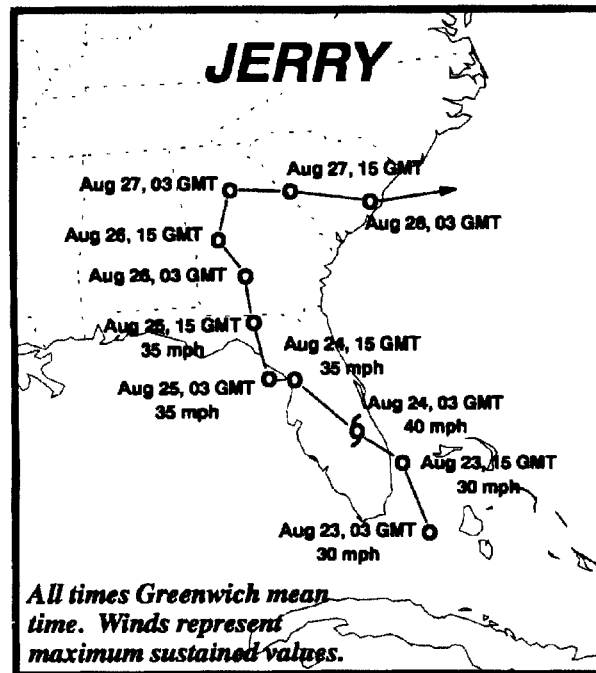


Map courtesy: National Hurricane Center, Miami, FL

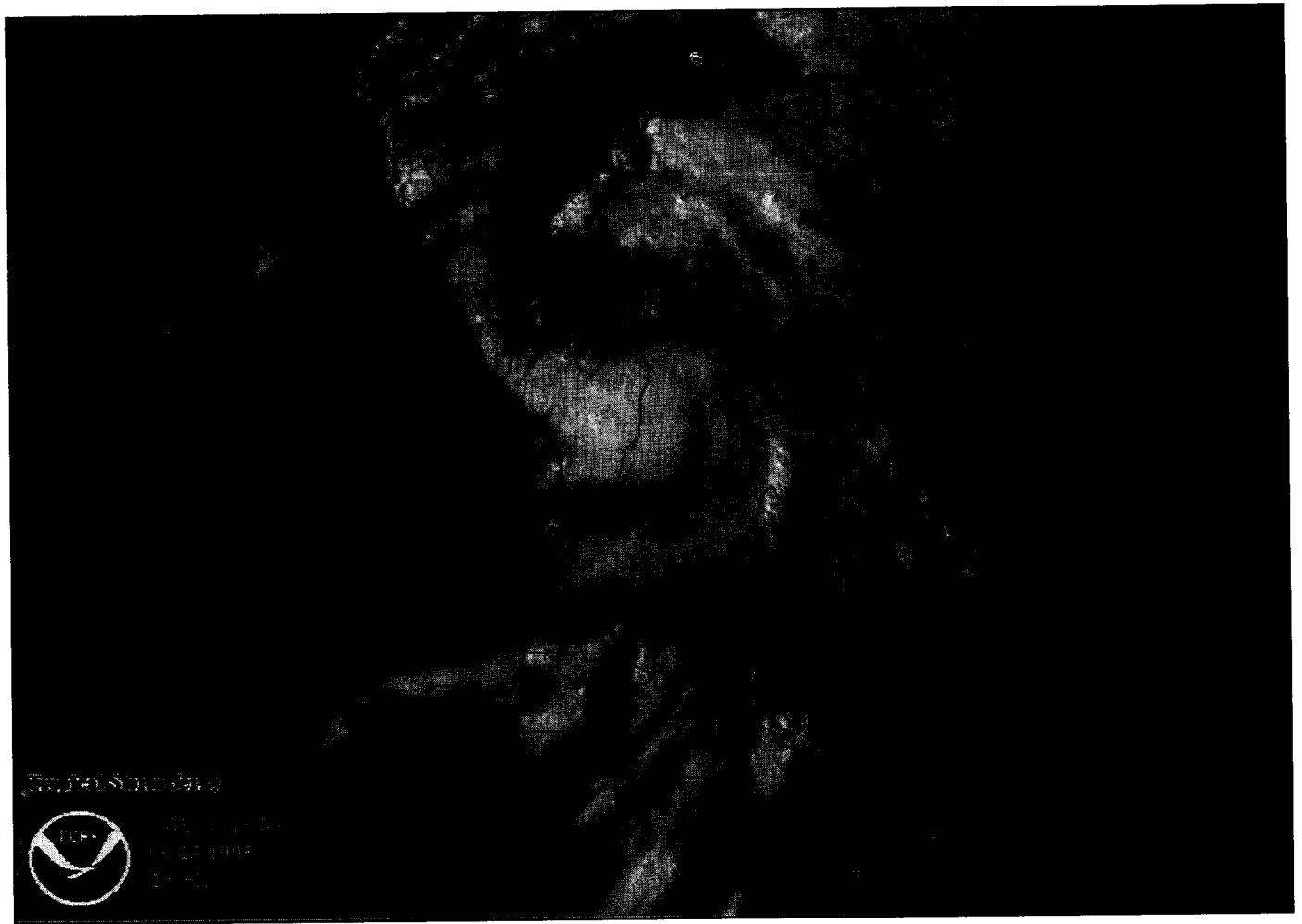
## F. TROPICAL STORM JERRY: AUGUST 22 - AUGUST 28

A tropical wave moved westward across the tropical Atlantic on August 9 and neared the Lesser Antilles on August 15. The wave then moved over the eastern and central Caribbean Sea over the next few days with no further development. As convection became better organized, the wave was upgraded to a tropical depression at 1800 GMT (minus four hours for EDT) on August 22 just southwest of Andros Island, Bahamas. As the depression moved north-northwest toward southeast Florida, slow strengthening occurred. The depression became Tropical Storm Jerry around 1200 GMT on August 23. Jerry made landfall later on the same day near Jupiter, Florida as a nominal tropical storm. As Jerry moved northwest to west-northwest across Florida, the storm weakened to a depression by 1800 GMT on August 24 while nearing the upper west coast of Florida. The forward motion slowed and after the center drifted a short distance out over the waters of the Gulf of Mexico, Jerry turned northward. Jerry moved inland again over northern Florida and across the Georgia/Florida border on August 25. The depression moved slowly north-northwestward over Georgia on August 26 and 27th. Later in the day on August 27, Jerry turned toward South Carolina. By 0000 GMT on the 28th, the circulation became elongated in a northeast-southwest oriented trough. Six hours later, a circulation could not be distinguished. The trough persisted near the Carolinas over the next few days and two low pressure centers developed. The first low moved eastward from the North Carolina coast into the Atlantic without significant development. The second low became evident offshore of the Georgia/South Carolina border early on August 29. The weak surface low moved southward and southwestward across the Florida peninsula on August 30 and 31st. The low dissipated over the southeast Gulf of Mexico during the first few days of September.

Jerry caused heavy rainfall in Florida, Georgia, and South Carolina. Rainfall totals up to 15 inches were reported in the southwest and west-central coastal sections of Florida from the Naples/Ft. Myers area northward to Tampa. Over 12 inches of rain fell in the foothills of South Carolina. In Florida, property damage totalled \$1.5 million and agricultural damage estimated to \$19 million. Total United States damage from Jerry was \$27 million. Six people died as a result of flash flooding.



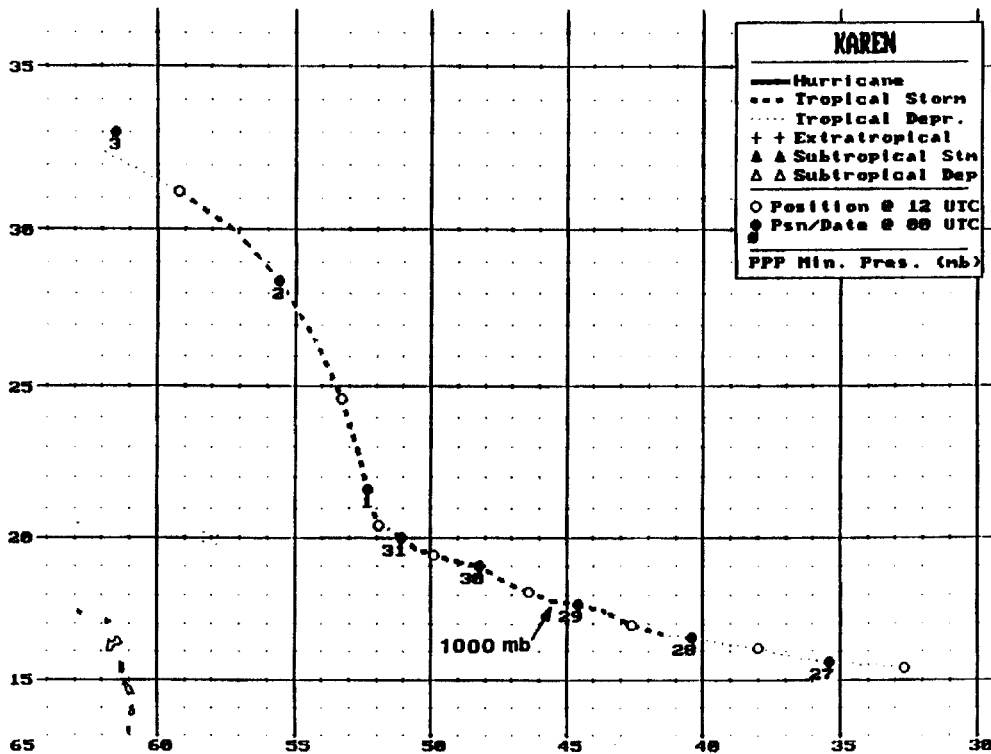
Map courtesy: Weekly Weather and Crop Bulletin, August 29, 1995.



The above GOES-8 visible satellite image depicts Tropical Storm Jerry two hours after making landfall near Jupiter, Florida on August 23 at 2015 Z. (*Satellite courtesy: Doug Ross, NCDC, Asheville, NC.*)

## G. TROPICAL STORM KAREN: AUGUST 26 - SEPTEMBER 3

Karen originated from a tropical wave that moved off the west coast of Africa to the eastern tropical Atlantic on August 23. At 1200 UTC on August 26, satellite imagery showed a well-defined low-level cloud center exposed to the east of a cluster of deep convection. At this time, the wave was upgraded to Tropical Depression Twelve while located about 500 nautical miles west of the Cape Verde Islands. The depression was moving west-northwest between 10 and 14 knots. In relation to the depression, Hurricane Humberto was centered 900 nautical miles west-northwest and Tropical Storm Iris was centered over the Lesser Antilles about 1500 nautical miles west. Deep convection increased and Tropical Depression Twelve intensified into Tropical Storm Karen at 0600 UTC on August 28. Hurricane Humberto was centered 750 nautical miles to the northwest of Karen. Tropical Storm Iris had moved to a position just north of the Leeward Islands, or about 1100 nautical miles west of Karen. The steering flow weakened in the wake of Humberto, and Karen slowed its forward motion from 10 knots to 4 knots between August 28 and the 31st. Karen approached the now even slower Hurricane Iris. The upper-level outflow from Iris resulted in northerly shear over Karen. Karen was centered about 600 nautical miles east-southeast of Iris on August 31, and began moving northward due to Iris' circulation (Fujiwhara interaction). Convective activity associated with Karen became disorganized on September 1 as it accelerated around the east side of Iris. Karen weakened to a tropical depression on September 2 and the low-level circulation was absorbed by Hurricane Iris on September 3.



Map courtesy: National Hurricane Center, Miami, FL

# Storm Data and Unusual Weather Phenomena

August 1995

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, North Central</b>									
<b>Barbour County</b> <b>Eufaula</b>	<b>03</b>				<b>?</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>High Winds</b> Strong wind associated with Hurricane Erin was responsible for downing several trees. One tree damaged a roof to a house and two fences.
<b>Marshall County</b> <b>Boaz</b>	<b>06</b>	<b>1710CST</b>			<b>?</b>	<b>?</b>	<b>25K</b>	<b>0</b>	<b>Lightning</b> Lightning was believed to be the cause of a fire at the Crystal Corner, a china and gift shop. The fire damaged the end of the building and the roof with extensive smoke and water damage.
<b>Lauderdale County</b>	<b>08</b>	<b>1327CST-1343CST</b>			<b>?</b>	<b>?</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Thunderstorm wind downed trees in scattered locations across Lauderdale County according to reports received at the emergency management office. Two vehicles were crushed in Florence when a tree fell on them. Hardest hit areas appeared to be from the east side of Florence toward the Rogersville area.
<b>Limestone County</b> <b>Ardmore</b>	<b>08</b>	<b>1340CST</b>			<b>?</b>	<b>1</b>	<b>8K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Numerous trees were reported down along with power lines in Ardmore. A teenage girl was injured when a tree fell on her.
<b>Colbert County</b> <b>Muscle Shoals</b>	<b>08</b>	<b>1400CST</b>			<b>?</b>	<b>?</b>	<b>18K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Several large trees were reported down in Muscle Shoals along with one that fell on a house. Power lines were reported down on Highway 20.
<b>Madison County</b> <b>Huntsville</b>	<b>08</b>	<b>1415CST</b>			<b>?</b>	<b>?</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Emergency management reported large trees down on Sparkman Drive west of Blue Springs, on Green Mountain Road and East Bailey Cove, and on Walls Drive and Carrigen. Some power lines were also down.
<b>Franklin County</b> <b>Phil Campbell</b>	<b>08</b>	<b>1420CST</b>			<b>?</b>	<b>?</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Several trees were reported down outside of Phil Campbell.
<b>Lawrence County</b> <b>11 NE Moulton</b> <b>12 S Moulton</b>	<b>08</b>	<b>1425CST</b>			<b>?</b>	<b>?</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	<b>08</b>	<b>1430CST</b>			<b>?</b>	<b>?</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Trees and power lines were down on Highway 17 south of Caddo in the eastern part of Lawrence County. Trees and power lines were down on County Road 33 south of Moulton near the county line. Trees were blocking the highway.
<b>Morgan County</b> <b>Hartselle</b> <b>Danville</b>	<b>08</b>	<b>1434CST</b>			<b>?</b>	<b>?</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	<b>08</b>	<b>1436CST</b>			<b>?</b>	<b>?</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b> A large tree was blown down across a road in the east part of Hartselle. A roof was reported blown off an out-building in Danville.
<b>Winston County</b> <b>Addison</b>	<b>08</b>	<b>1445CST</b>			<b>?</b>	<b>?</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Several trees were reported down in Addison with one blocking a road.
<b>Cullman County</b> <b>Crane Hill</b>	<b>08</b>	<b>1455CST</b>			<b>?</b>	<b>?</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Emergency management reported several trees down and at least one power line down in Crane Hill in the west central part of Cullman County.
<b>Shelby County</b> <b>Vincent</b> <b>Westover</b>	<b>08</b>	<b>1500CST</b>			<b>?</b>	<b>?</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	<b>08</b>	<b>1505CST</b>			<b>?</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Hail (0.30)</b> Thunderstorm wind blew down several trees in the Vincent area downing several power lines. Small hail was also reported in the Westover area by the Shelby County Sheriff's Department.
<b>Talladega County</b> <b>10 W Talladega</b> <b>Sylacauga</b>	<b>08</b>	<b>1510CST</b>			<b>?</b>	<b>?</b>	<b>12K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	<b>08</b>	<b>1525CST</b>			<b>?</b>	<b>?</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Shingles were ripped from a structure in the Country Club Estates area near Renfroe about 10 miles west of Talladega. Trees were reported down in Sylacauga along with damage to several signs including one bank sign.
<b>Lowndes County</b>	<b>15</b>	<b>1750CST</b>			<b>?</b>	<b>?</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Highway Patrol reported trees down on Masons Road in Lowndes County. Sheriff's Department also reported trees down on Highway 37 and 26.
<b>Bullock County</b> <b>Union Springs</b>	<b>17</b>	<b>1540CST</b>			<b>?</b>	<b>?</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Two trees were reported blown down in the Union Springs area.
<b>Jefferson County</b> <b>Birmingham</b>	<b>18</b>	<b>unknown</b>			<b>1</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat</b> A 79-year-old woman apparently died from hypothermia. F79PH
<b>ALABAMA, North Central Cont'd</b>									
<b>Bullock County</b> <b>6 S Union</b> <b>Springs</b>	<b>18</b>	<b>1540CST</b>			<b>?</b>	<b>?</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Trees and power lines were reported down in the area south of Union Springs on Alabama 223 and 239. Reported relayed

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
through State Troopers and time estimated.									
<b>Barbour County</b> <b>Clayton</b>	<b>19</b>	<b>1720CST</b>			<b>?</b>	<b>?</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees were reported down in the Clayton area.
<b>Chambers County</b> <b>Lanett</b>	<b>19</b>	<b>2000CST</b>			<b>?</b>	<b>?</b>	<b>10K</b>	<b>?</b>	<b>Lightning</b>
<b>Valley</b>	<b>19</b>	<b>2010CST</b>			<b>?</b>	<b>?</b>	<b>22K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Lightning struck the city of Lanett's communications system damaging many radios. Strong wind with a thunderstorm toppled several trees in the Valley area. One tree fell on a house.
<b>Randolph County</b> <b>Rock Mills</b>	<b>19</b>	<b>2008CST</b>			<b>?</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Hail (0.75)</b>
									Hail ranging in size from marble to dimes was reported through the Sheriff's Department at Rock Mills.
<b>Lee County</b> <b>Auburn</b>	<b>19</b>	<b>2045CST</b>			<b>?</b>	<b>?</b>	<b>12K</b>	<b>?</b>	<b>Thunderstorm Winds</b>
									Several trees were reported down in the Auburn disrupting power and telephone service as a thunderstorm moved through the area
<b>Tallapoosa County</b> <b>7 S Alexander City to</b> <b>19 SE Alexander</b> <b>City</b>	<b>19</b>	<b>2110CST-</b> <b>2125CST</b>			<b>?</b>	<b>?</b>	<b>50K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm wind caused damage across the northern section of Lake Martin in the area from south of Alexander City to southeast of Alexander City including the communities of Our Town and Walnut Hill. About 4,200 electric customers were without power as power lines and trees came down. Damage was reported as extensive at Chuck's Marina on the east side of Lake Martin.
<b>Elmore County</b> <b>Red Hill</b>	<b>19</b>	<b>2130CST-</b> <b>2145CST</b>			<b>?</b>	<b>?</b>	<b>85K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Wetumpka</b>	<b>19</b>	<b>2150CST</b>			<b>?</b>	<b>?</b>	<b>22K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm winds downed trees in Elmore County. Considerable damage was caused in the Red Hill area in the northeast part of the county along Lake Martin. The Red Hill Volunteer Fire Department reported damage to 16 lakefront homes, two of the houses had their roofs blown completely off. Wetumpka Police reported trees and power lines down. Trees fell on two houses.
<b>Montgomery County</b> <b>Montgomery</b> <b>10 SW</b>	<b>19</b>	<b>2145CST</b>			<b>?</b>	<b>?</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Montgomery</b> <b>Davenport</b>	<b>19</b>	<b>2200CST</b>			<b>?</b>	<b>?</b>	<b>8K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	<b>19</b>	<b>2215CST</b>			<b>?</b>	<b>?</b>	<b>4K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees were blown down and numerous roofs damaged along Selma Highway in the area of the Montgomery Airport. Several trees were reported down at Davenport in the southwest part of Montgomery County.
<b>Macon County</b> <b>Tuskegee</b>	<b>19</b>	<b>2200CST</b>			<b>?</b>	<b>?</b>	<b>12K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Numerous trees were reported blown down in the Tuskegee area of central Macon County.
<b>Autauga County</b> <b>Prattville</b>	<b>19</b>	<b>2215CST</b>			<b>?</b>	<b>?</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees were reported down by the Prattville Police Department.
<b>Colbert County</b> <b>Spring Valley</b>	<b>20</b>	<b>1200CST</b>			<b>?</b>	<b>?</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									High wind with a thunderstorm knocked down a cement block wall of the Spring Valley Community Center that had lost its roof during storms on July 17th. The building was being renovated by the fire department. Debris from the community center damaged several cars in the parking lot at the fire station immediately next door. In the area, a number of houses reported shingles blown off during the wind. A couple of trees were blown down and several trees lost large limbs with some trees having the tops blown out of them.
<b>Marshall County</b> <b>Warrenton</b>	<b>20</b>	<b>1355CST</b>			<b>?</b>	<b>?</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees and power lines were reported down by emergency management in what was believed to be a down burst wind. The area affected was near Warrenton just west of Guntersville.
<b>Talladega County</b> <b>Childersburg</b>	<b>20</b>	<b>1800CST</b>			<b>?</b>	<b>?</b>	<b>10K</b>		<b>Lightning</b>
									Lightning struck the Childersburg City Hall around 1900 causing an estimated \$10,000 in damage to telephones, radios, and computers.
<b>Statewide</b>		<b>monthlong</b>			<b>?</b>	<b>?</b>	<b>?</b>	<b>.4B</b>	<b>Heat</b>
<b>ALABAMA, North Central Cont'd</b>									
									Hot, dry weather was a problem for Alabama throughout the month. New record high temperatures were set in a number of cities with Critical Heat Alerts in effect for many days during the month. Birmingham, for example, hit 100 degrees or higher on seven consecutive days from the 13th to the 19th as well as setting seven new record high temperatures. At least one county school system, Marshall County, delayed opening schools for one week because of the heat. One of the industries hit hardest by the heat was agriculture. Unfortunately, the effects of a hot period are sometimes not fully known until months later. The poultry industry was hit hard along with a number of crops including tomatoes, cotton, peanuts, and cattle. The \$400 million crop damage is just an estimate.
<b>ALABAMA, Southeast</b>									
<b>Houston County</b>									



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					Killed	Injured	Property	Crops	
<b>6W Dothan</b>	<b>15</b>	<b>2345CST</b>			<b>0</b>	<b>0</b>	<b>15k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
									County emergency management reported large oak tree blown down on house causing considerable damage. Other trees were also knocked down.
<b>Coffee County</b>	<b>16</b>	<b>1730CST</b>			<b>0</b>	<b>0</b>	<b>1k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<b>New Brockton</b>	<b>16</b>	<b>1730CST</b>			<b>0</b>	<b>0</b>	<b>1k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<b>Enterprise</b>									Police department in New Brockton reported trees and power lines down. Sheriff's office reported several large trees down across roads near Enterprise.
<b>Henry County</b>	<b>19</b>	<b>1730CST</b>			<b>0</b>	<b>0</b>	<b>.4k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<b>Abbeville</b>									Local police department reported 4 trees down.
<b>Dale County</b>	<b>19</b>	<b>1940CST</b>			<b>0</b>	<b>0</b>	<b>.3k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<b>Ozark</b>									Sheriff's office reported three trees were blown down.
<b>Coffee County</b>	<b>19</b>	<b>2000CST</b>			<b>0</b>	<b>0</b>	<b>55k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<b>5W Elba</b>									A pavillion was destroyed at a music park.
<b>ALABAMA, Southwest</b>									
<b>ALZ051-052-053-055-056-059-061-062-063-064 Southwest Alabama</b>									
	<b>03</b>	<b>0900CST-2100CST</b>			<b>0</b>	<b>0</b>	<b>25M</b>	<b>1M</b>	<b>Hurricane Erin</b>
									Hurricane Erin moved out of Escambia County Florida and into Baldwin County Alabama near where Interstate 10 crosses the Perdido River at 1130 CST. The eye of Erin started filling in while moving across Baldwin County. Erin continued moving northwest and moved across Interstate 65 and passed near Stockton during the afternoon and then moved through northeast Mobile County and southern Clarke and southern Washington Counties. When Erin moved into Washington County, the storm moved along U.S. Highway 45 and moved into southeast Mississippi around 1930 CST. As Erin moved through southwest Alabama, trees and power lines were blown down and many homes were damaged. Preliminary damage estimates were \$25 million. More than 100 homes were damaged. It was estimated that 50 to 75 percent of Baldwin County's Pecan crop was lost. Highest winds in Southwest Alabama from Erin were recorded in Fairhope with sustained winds of 37 mph with gusts to 50 mph. A wind estimate in Atmore at the airport had wind gusts of more than 100 mph. At Mobile Airport the winds were 29 mph with gusts to 50 mph. The most rainfall in a twenty-four hour period also occurred in Fairhope where 3.92 inches of rain were measured. The Mobile Airport reported 2.56 inches of rain. The lowest pressure was at the Mobile Airport with a reading of 997 mb.
<b>Wilcox County</b>	<b>12</b>	<b>1900CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Pine Hill</b>									Trees and power lines were blown down along State Highway 5 in Pine Hill.
<b>Baldwin County</b>	<b>16</b>	<b>1830CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Daphne</b>									Several trees were blown down by high winds in the Daphne area.
<b>Baldwin County</b>	<b>16</b>	<b>2000CST-2100CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
<b>10 SE Gateswood</b>									Heavy rains caused flooding along State Highway 112 just inside the Alabama state line. The water was across the road and got close to Interstate 10. Highway 112 had to be closed for about an hour.
<b>Mobile County</b>	<b>16</b>	<b>2015CST-2020CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Mobile</b>									Wind gusted to 58 mph two times at Brookley Field.
<b>Choctaw County</b>	<b>20</b>	<b>1430CST-1500CST</b>			<b>0</b>	<b>0</b>	<b>50K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Butler</b>									Thunderstorm winds blew trees and power lines down near Butler. One person reported seeing a funnel cloud before the damage occurred but the funnel never touched down. The damage occurred on the leading edge of a thunderstorm which was moving toward the south. Two to three hundred trees in a two to three mile stretch were blown down. One of the trees fell on a house and damaged it.
<b>ARIZONA</b>									
<b>Pima County</b>	<b>07</b>	<b>1600MST</b>			<b>0</b>	<b>2</b>	<b>4.1M</b>	<b>0</b>	<b>Thunderstorm Winds (G64)</b>
<b>15 NW Tucson</b>									Thunderstorms moving through the Avra Valley Airport brought downburst winds that damaged 20 airplanes, two of which were completely destroyed. A 5,000 gallon tank containing 2,000 gallons of water was moved over 2,000 feet. Many hanger doors were blown in. Winds also overturned a mobile home and tore a roof off a second mobile home. Two children in the second mobile home, ages five months and 12 years, were slightly injured. Winds were estimated at 74 mph at the Avra Valley Airport. Damage was estimated at \$4 million at the airport and \$50 thousand to the mobile homes.
<b>Pinal County</b>	<b>10</b>	<b>1828MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Arizona City</b>									Thunderstorm winds blew down several power poles.
<b>Maricopa County</b>	<b>11</b>	<b>0100MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Tempe</b>									Power lines were knocked down due to thunderstorm winds.
<b>Yavapai County</b>	<b>11</b>	<b>1400MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Hail (0.75)</b>
<b>Mayer</b>									
<b>Pinal County</b>									

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					Killed	Injured	Property	Crops	
<b>15 ESE Winkleman</b>	<b>11</b>	<b>1530MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Flash Flood</b>
					Storm spotters reported sudden rise in Aravaipa Creek along with flooding in some low-lying areas near the creek.				
<b>Pima County</b>	<b>11</b>	<b>1600MST</b>			<b>0</b>	<b>0</b>	<b>5M</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Tucson</b>	<b>11</b>	<b>1600MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
	<b>11</b>	<b>1600MST</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
					A series of strong thunderstorms moving through Tucson brought widespread damage. Many power poles were knocked over with roofs torn off some buildings. As much as four inches of rain accompanied these storms. Some areas received three-quarters inch hail. Washes in the area were running near bank full. One woman attempting to drive through a wash was swept to her death. F43VE				
<b>Pima County</b>	<b>11</b>	<b>1615MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<b>10 SW Tucson</b>					A six mile stretch of power poles were blown down. Some power lines fell onto Interstate 19 causing a chain reaction collision involving five vehicles.				
<b>Pima County</b>	<b>11</b>	<b>1628MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G66)</b>
<b>Tucson</b>					A peak wind of 76 mph was measured at the Tucson International Airport.				
<b>Pinal County</b>	<b>11</b>	<b>1755MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Eloy</b>					Thunderstorm winds knocked down phone lines, damaged the roofs of a few mobile homes, knocked over dumpsters, and blew down some trees.				
<b>Pinal County</b>	<b>11</b>	<b>1830MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Coolidge</b>					Two trees, including a 35-foot tall elm, were blown down into power lines. These power lines were in turn downed by the trees.				
<b>Coconino County</b>	<b>12</b>	<b>1359MST</b>			<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<b>1 E Flagstaff</b>					Ten people received minor injuries from a single lightning strike.				
<b>Pima County</b>	<b>14</b>	<b>1820MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
<b>20 S Ajo</b>					Heavy rain from thunderstorms caused water to flow over state highway 85. The road was closed until the water receded.				
<b>Yuma County</b>	<b>14</b>	<b>1900MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Dateland</b>					Power lines were blown down.				
<b>Pinal County</b>	<b>14</b>	<b>2032MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Apache Junction</b>					A trailer was blown over onto its side.				
<b>Yavapai County</b>	<b>15</b>	<b>1540MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Cottonwood</b>					Several trees were blown down from thunderstorm winds.				
<b>Yavapai County</b>	<b>15</b>	<b>1600MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Flash Flood</b>
<b>Cornville</b>					Heavy rain from thunderstorms produced street flooding causing blocked traffic.				
<b>La Paz County</b>	<b>15</b>	<b>2200MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Flash Flood</b>
<b>45 SE Lake Havasu City</b>					Heavy thunderstorm rains fell in the Alamo Lake State Park area. As much as 3.5 inches of rain fell at Alamo Crossing. Water flowing down steep hillsides washed large debris onto a nearby roadway. A campsite was covered with water.				
<b>ARIZONA Cont'd</b>									
<b>Cochise County</b>	<b>18</b>	<b>1430MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<b>Benson</b>					A thunderstorm moving through the Benson area brought one-half inch hail, heavy rain, and winds strong enough to knock over trees.				
<b>Pima County</b>	<b>19</b>	<b>1615MST</b>							
<b>15 NW Tucson</b>					Thunderstorm winds knocked down some large tree limbs.				
<b>Pima County</b>	<b>19</b>	<b>1625MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds (G56)</b>
<b>15 N Tucson</b>					Trees and a brick wall were knocked down.				
<b>Pima County</b>	<b>19</b>	<b>1730MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<b>15 NW Tucson</b>					Siding was ripped off a trailer and trees were uprooted, one which had a 60-inch circumference.				
<b>Pima County</b>	<b>19</b>	<b>1740MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<b>15 NW Tucson</b>					Aircraft hangers were damaged at the Avra Valley Airport.				
<b>Pinal County</b>	<b>19</b>	<b>1758MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Apache Junction</b>	<b>19</b>	<b>1800MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
					Shingles were blown off a roof. A mobile home was blown off its foundation.				

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<b>Maricopa Phoenix</b>	<b>19</b>	<b>2120MST</b>			<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>Lightning</b> Two boys and a dog walking outside during a storm were struck by lightning. One of the boys died within a couple of days of being struck. The dog was killed immediately. M15OU
<b>Coconino County Grand Canyon N.P.</b>	<b>20</b>	<b>1200MST</b>			<b>0</b>	<b>0</b>	<b>47K</b>	<b>0</b>	<b>Flash Flood</b> Heavy rain produced flash flooding on the National Park trails. One trail was washed out. Estimated damage was \$46,500.
<b>Maricopa County Mesa</b>	<b>23</b>	<b>0100MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b> Shingles blown off roofs, fences blown down, and cacti knocked down.
<b>Pima County 10 W Tucson</b>	<b>23</b>	<b>1600MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b> Thunderstorms brought heavy rain to the north and northwest side of the Sierrita Mountains. Numerous roads were impassable and washes were running bank full. Minor erosion of roads where water flowed over them.
<b>Pima County 8 N Tucson</b>	<b>23</b>	<b>1617MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
	<b>23</b>	<b>1617MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Hail (1.00)</b>
	<b>23</b>	<b>1617MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Flash Flood</b>
									A thunderstorm near downtown Tucson brought strong winds, large hail, and heavy rain which filled washes. The intersection of Grand and Country Club was completely flooded.
<b>La Paz County Wenden</b>	<b>23</b>	<b>1700MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b> Winds from a thunderstorm blew out windows and damaged roofs to residences and businesses. Some trees were uprooted and limbs snapped causing some minor damage to parked cars.
<b>Graham County Safford</b>	<b>23</b>	<b>1725MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b> Power lines knocked down.
<b>La Paz County Bouse</b>	<b>23</b>	<b>1900MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b> Power lines knocked down; many roofs, windows, and doors blown out.
<b>Maricopa County Buckeye</b>	<b>23</b>	<b>2149MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b> A tree was blown over onto a car.
<b>Cochise County Sierra Vista</b>	<b>25</b>	<b>1545MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b> Strong thunderstorms with heavy rain moved through the Sierra Vista area causing many washes to overflow their banks. Many roads were closed as water flowed across low spots.
<b>Cochise County Sierra Vista</b>	<b>27</b>	<b>1645MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds (G87)</b> Thunderstorms with small hail, very heavy rain, and strong wind gusts moved through the Sierra Vista area. Between one and two inches of rain brought local street flooding to Sierra Vista. A weather spotter recorded wind gusts to 80 mph while a wind gage in the foothills of the Huachuca Mountains recorded a 100 mph gust. Many trees were blown down along with some signs and power lines.
<b>ARIZONA Cont'd</b>									
<b>La Paz County Bouse</b>	<b>29</b>	<b>1800MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds (G58)</b> A thunderstorm with strong winds and heavy rain destroyed eight mobile homes and knocked down telephone lines. Thirty-three power poles were knocked down as well. The storm also downed trees and awnings.
<b>Gila County Globe</b>	<b>30</b>	<b>1757MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds (G60)</b> A tree and some power lines were blown down. The storm also produced pea-sized hail.
<b>ARKANSAS, Central and North Central</b>									
<b>Hot Spring County Gifford</b>	<b>06</b>	<b>1548CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b> Thunderstorm winds blew down trees and power lines.
<b>Grant County Prattsville</b>	<b>06</b>	<b>1625CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b> Thunderstorm winds downed some trees and caused damage to several roofs and vehicles.
<b>Independence County Locust Grove</b>	<b>07</b>	<b>1320CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b> Thunderstorm winds downed some trees and large limbs.
<b>Baxter County 1 W Henderson</b>	<b>07</b>	<b>1345CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
<b>White County Bald Knob</b>	<b>07</b>	<b>1500CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b> Some trees were blown down.
<b>Judsonia</b>	<b>07</b>	<b>1500CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b> Thunderstorm winds downed a few trees.
<b>Independence County</b>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Cushman</b>	<b>10</b>	<b>1350CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm winds blew down some tree limbs.
<b>Saline County Salem</b>	<b>10</b>	<b>1611CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Lightning</b>
									Lightning struck a home in Salem and caused some damage. A small fire resulted which damaged part of the roof and bedroom.
<b>Jefferson County Pine Bluff</b>	<b>17</b>				<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heat</b>
									An elderly woman died in her house as a result of heat exposure. The temperature inside her house reached dangerous levels from the hot weather and lack of air-conditioning. F78PH
<b>Pulaski County Little Rock</b>	<b>17</b>				<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heat</b>
									An elderly woman died from heat exposure. The combination of very hot outdoor temperatures and little ventilation pushed the temperature inside her house to just over 100 degrees. F78PH
<b>Pulaski County Little Rock</b>	<b>19</b>				<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heat</b>
									An elderly woman was found dead in her home after being exposed to excessive heat. A fan was running in her house, but the temperature inside was still 102 degrees when she was discovered. F79PH
<b>Stone County Fifty-Six</b>	<b>19</b>	<b>1525CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Fifty-Six</b>	<b>19</b>	<b>1525CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm winds downed some trees.
<b>Fox</b>	<b>19</b>	<b>1545CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm winds knocked down some large tree limbs.
<b>Fulton County Mammoth Spring</b>	<b>19</b>	<b>1605CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm winds downed several trees and large limbs.
<b>Cleburne County Heber Springs</b>	<b>19</b>	<b>1630CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.75)</b>
<b>Heber Springs</b>	<b>19</b>	<b>1630CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm winds blew down some trees and power lines.
<b>Sharp County 5 NE Poughkeepsie</b>	<b>19</b>	<b>1630CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Some trees were blown down.
<b>Faulkner County 4 S Greenbrier</b>	<b>19</b>	<b>1715CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm winds knocked down some trees and large limbs.
<b>ARKANSAS, Central and North Central Cont'd</b>									
<b>1 E Conway</b>	<b>19</b>	<b>1735CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Several large tree limbs were blown down.
<b>Hempstead County 5 SW Hope</b>	<b>20</b>	<b>1515CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm winds downed several trees.
<b>Lafayette County 10 S Lewisville</b>	<b>20</b>	<b>1635CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Some trees were blown down.
<b>Columbia County 10 SE Magnolia</b>	<b>20</b>	<b>1700CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm winds downed trees and power lines.
<b>Jefferson County Pine Bluff</b>	<b>21</b>				<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heat</b>
									An elderly woman died of heat stroke in her house. Lack of air-conditioning and very hot outdoor temperatures combined to produce dangerous conditions inside her home. F90PH
<b>Pulaski County Little Rock</b>	<b>22</b>				<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heat</b>
									An elderly woman collapsed from heat stroke and later died at a local hospital from her injuries. F74OT
<b>North Little Rock</b>	<b>22</b>				<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heat</b>
									An elderly woman died in her house as a result of overexposure to the heat. The very hot temperatures outdoors caused the temperature to rise to dangerous levels inside her unair-conditioned home. F79PH
<b>ARKANSAS, Northwestern</b>									
<b>Benton County Decatur</b>	<b>19</b>	<b>1315CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Hail (0.75)</b>
									A severe thunderstorm produced dime-size hail at Decatur.
<b>Benton County</b>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Rogers</b>	<b>25</b>	<b>1500CST</b>			<b>1</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Excessive Heat</b>
A 13-year-old boy was overcome by heat at a juniorhigh school football practice. The boy was taken to a hospital in Little Rock, where he later died from complications arising from the heat. M13SC									
<b>ARKANSAS, Eastern</b>									
<b>Poinsett County Trumann</b>	<b>06</b>	<b>2250CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A few power lines were blown down.									
<b>Lawrence County Imboden</b>	<b>07</b>	<b>1300CST- 2200CST</b>		<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>		<b>Flash Flood</b>
Locally heavy rainfall forced the Spring River over its banks.									
<b>CALIFORNIA, Northwest</b>									
None reported.									
<b>CALIFORNIA, South Central</b>									
None reported.									
<b>CALIFORNIA, Western</b>									
None reported.									
<b>CALIFORNIA, West South Central</b>									
<b>Kern County 6 W Ridgecrest</b>	<b>21</b>	<b>1930PDT</b>			<b>0</b>	<b>1</b>	<b>?</b>	<b>0</b>	<b>Lightning</b>
Lightning struck the porch of a Buttermilk Acres home, charring a metal porch awning, and knocking down a man talking on a cordless phone. He suffered minor injuries.									
<b>COLORADO, Eastern</b>									
<b>Yuma County 6 ENE Eckley</b>	<b>05</b>	<b>1610MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.25)</b>
<b>Kit Carson County 10 N Flagler</b>	<b>11</b>	<b>1915MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
Lightning started numerous range fires in northwest Kit Carson County.									
<b>COLORADO, Central</b>									
<b>Logan County Sterling</b>	<b>03</b>	<b>1600MST- 1637MST</b>			<b>0</b>	<b>0</b>			<b>Dry Microburst 58</b>
Microburst winds ripped two pieces of galvanized roofing material from a 30 square foot area. One piece hit a moving vehicle but nobody was injured. Some power lines were also damaged.									
<b>Phillips County Haxtun 4E</b>	<b>03</b>	<b>1710MST</b>			<b>0</b>	<b>0</b>			<b>Dry Microburst 58</b>
<b>El Paso County Colorado Springs</b>	<b>04</b>	<b>1318MST- 1325MST</b>	<b>Short</b>	<b>Narrow</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>Tornado F0</b>
A tornado briefly touched down twice just southeast of the downtown Colorado Springs, first near the intersection of Hancock and Las Animas and then at the Fountain View Apartments, at the intersection of Hutchinson Drive and Fountain Blvd. Several windows were shattered in the apartment complex, and a 30-foot maple tree was toppled, cutting power lines to the apartment complex and damaging a nearby automobile.									
<b>Logan County Poudre</b>	<b>06</b>	<b>1025MST</b>			<b>0</b>	<b>0</b>		<b>0</b>	<b>Lightning</b>
Lightning shocked a sheriff's deputy as she was talking on the phone, she was knocked off her chair but was not injured.									
<b>Weld County Stoneham 22N</b>	<b>05</b>	<b>1415MST</b>			<b>0</b>	<b>0</b>			<b>Hail 175</b>
<b>Morgan County Fort Morgan</b>	<b>05</b>	<b>1520MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind 50</b>

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Crowley County Sugar City</b>	<b>05</b>	<b>1545MST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm wind 60</b>
<b>Kiowa County Arlington 1SW</b>	<b>05</b>	<b>1550MST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm wind 60</b>
<b>Larimer County Red Feather Lakes</b>	<b>06</b>	<b>1343MST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Dry Microburst 84</b>
Microburst winds blew lawn furniture off a roof and overturned an umbrella table. The winds lasted for approximately one minute.									
<b>Boulder County Broomfield</b>	<b>06</b>	<b>1645MST- 1700MST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Dry Microburst 50</b>
Microburst winds caused minor damage to an apartment complex. Some homes under construction were also damaged, 2 by 4 wood beams were knocked over and some insulation and roofing material broke a few windows.									
<b>Weld County Erie</b>	<b>06</b>	<b>1700MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Dry Microburst 53</b>
<b>Adams County Barr Lake</b>	<b>06</b>	<b>1745MST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Dry Microburst</b>
Microburst winds overturned a camper.									
<b>Weld County Nunn</b>	<b>07</b>	<b>1500MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind 54</b>
<b>COLORADO, Central Cont'd</b>									
<b>Morgan County Fort Morgan</b>	<b>07</b>	<b>1845MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind 53</b>
<b>Kit Carson County Stratton 12NE</b>	<b>08</b>	<b>1430MST</b>			<b>0</b>	<b>1</b>			<b>Lightning</b>
Lightning sparked a grassfire which burned 1600 acres at the Busby Ranch. A sheriff's deputy was injured while responding to the fire, he was blinded by a bolt of lightning and lost control of his cruiser. He received only minor injuries.									
<b>Yuma County Kirk 12N</b>	<b>08</b>	<b>1815MST</b>			<b>0</b>	<b>0</b>			<b>Lightning</b>
Lightning sparked approximately twenty five grassfire and burned a minimum of six thousand acres. The resulting grassfire was estimated to be 4 miles wide and 2 1/2 miles long. Ten sections of pasture were involved.									
<b>Jefferson County Evergreen 7W</b>	<b>09</b>	<b>1030MST</b>			<b>0</b>	<b>1</b>	<b>0</b>		<b>Lightning</b>
Lightning struck a 16-year old counselor in the back of the head at the Singing River Ranch while he and a friend stood under a tree. He stopped breathing, but his friend was able to summon help and they were able to revive him. He was hospitalized for a few days and released.									
<b>Baca County Springfield 3NW</b>	<b>09</b>	<b>1735MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail 75</b>
<b>Larimer County Loveland</b>	<b>11</b>	<b>2030MST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Lightning</b>
Lightning sparked a fire on private land near Milner Mountain, northwest of Loveland.									
<b>Weld County Eaton</b>	<b>12</b>	<b>1330MST</b>			<b>0</b>	<b>2</b>			<b>Lightning</b>
Two females, ages 13 and 18, were struck by lightning while working in an open field.									
<b>Larimer County Fort Collins</b>	<b>13</b>	<b>Unknown</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Lightning</b>
Lightning triggered a power surge that knocked out phone service in the Fort Collins area for several hours. The city's dispatch tower was also damaged.									
<b>Pueblo County Avondale</b>	<b>18- 19</b>	<b>2230MST- 0300MST</b>			<b>0</b>	<b>0</b>	<b>250K</b>		<b>Heavy Rain</b>
<b>Avondale</b>	<b>18- 19</b>	<b>2230MST- 0300MST</b>			<b>0</b>	<b>0</b>	<b>250K</b>		<b>Hail</b>
Slow moving thunderstorms with rain estimates of 4-5 inches and a lot of small hail resulted in extensive crop damage. Several roads were also washed out.									
<b>Adams County Brighton</b>	<b>21</b>	<b>1715MST</b>			<b>0</b>	<b>1</b>	<b>0</b>		<b>Lightning</b>
A 68-year old woman was struck by lightning while standing near a tree.									
<b>Ouray County Ridgeway 18E</b>	<b>21</b>	<b>Unknown</b>			<b>0</b>	<b>0</b>			<b>Heavy Rain</b>
Eighteen campers were trapped at their campsite near the Middle Fork of the Big Cimarron River after a heavy downpour triggered seven mudslides that washed tons of rocks, mud and logs over the Middle Fork Road. In one place the flood waters									

# Storm Data and Unusual Weather Phenomena

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Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
									washed a 12-foot deep ravine the width of the road.
<b>Boulder County</b> Louisville	22	2012MST-2030MST			0	0	0	0	<b>Lightning</b> Lightning struck three substations. Residences of more than 4500 people were without power from 30 minutes to more than an hour.
<b>El Paso County</b> Colorado Springs	26	1433MST-1440MST			0	0	0	0	<b>Hail 75</b>
<b>Pitkin County</b> Aspen 4E	27	1254MST			0	0	0	0	<b>Hail 75</b>
<b>Prowers County</b> Hartman	31	1745MST			0	0			<b>Thunderstorm wind</b> Thunderstorms winds estimated to be over 60 mph destroyed three metal outbuildings and tore a roof off a mobile home.
<b>Prowers County</b> Holly 21S	31	1756MST			0	0	0	0	<b>Hail 75</b>
<b>Baca County</b> Two Buttes 15E	31	1815MST			0	0			<b>Hail 100</b>
<b>Baca County</b> Two Buttes 15E	31	1815MST			0	0			<b>Thunderstorm wind 60</b>
<b>Baca County</b> Bartlett 2NW	31	1840MST			0	0			<b>Thunderstorm wind 70</b>
<b>CONNECTICUT, Northeastern</b>									
<b>Fairfield County</b> Danbury Airport	02	1515EST			0	0	?	0	<b>Thunderstorm Winds (G60)</b>
<b>Fairfield County</b> Danbury, Bethel, Newtown	02	1525EST-1535EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Fairfield County</b> Bethel	02	1530EST			0	0	?	0	<b>Lightning</b>
<b>Tolland County</b> Willington	02	1530EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>New Haven County</b> Southbury	02	1545EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>New Haven County</b> Oxford Naugatuck	02	1610EST-1615EST			0	0	?	0	<b>Thunderstorm Winds</b> Severe thunderstorms moving across southeastern Connecticut downed several trees and power lines. In Bethel, a home sustained significant damage after being struck by lightning. In Tolland County large branches were reported down in Willington.
<b>CTZ001-002-003</b>	02	1630EST-1900EST			0	0	0	0	<b>Heavy Rain</b> Thunderstorms dropped between two and three inches of rain during a period of several hours across southern Litchfield County. As the storms moved east, downpours were reported in parts of Hartford and Tolland Counties. One-half inch of rain fell in only five to ten minutes in Granby and Windsor. Very heavy rain also was reported from Vernon and Newington and street flooding occurred in much of the area. Some basements were reported flooded in Newington.
<b>New London County</b> Norwich	04	1730EST			0	0	?	0	<b>Lightning</b>
<b>Windham County</b> Plainfield	04	1730EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>New London County</b> Baltic	04	1735EST			0	1	0	0	<b>Lightning</b>
<b>New London County</b> Griswold, Voluntown, N. Stonington	04	1740EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>New London County</b> Voluntown	04	1740EST			0	0	?	0	<b>Lightning</b>
<b>New London County</b> New London	04	1820EST			0	0	0	0	<b>Hail (1.75)</b>
<b>New London County</b> New London	04	1829EST			0	0	?	0	<b>Lightning</b>
<b>New London County</b> Stonington	04	1840EST			0	0	?	0	<b>Thunderstorm Winds</b> Severe thunderstorms moving across eastern Connecticut caused a variety of weather problems. A few homes sustained considerable damage after being struck by lightning. A couple of men were lucky to be alive after being struck by lightning. Golf ball-size hail was reported in New London, but apparently did little, if any, damage. In Windham County numerous large trees were reported down in Plainfield. More than 9,000 electric customers lost power statewide.
<b>Fairfield County</b> Ridgefield	05	1608EST			0	0	?	0	<b>Lightning</b>
<b>Fairfield County</b> Bridgeport	05	2005EST			0	0	?	0	<b>Flash Flood</b>
<b>New Haven County</b> New Haven	05	2030EST			0	0	?	0	<b>Flash Flood</b> A home sustained considerable damage after being struck by lightning. Later in the day, torrential rains caused significant

# Storm Data and Unusual Weather Phenomena

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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	
flooding of roadways across southern portions of Fairfield and New Haven Counties.									
<b>Windham County Eastford</b>	<b>12</b>	<b>1836EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Two trees were reported blown down.
<b>DELAWARE</b>									
<b>DEZ002&gt;004</b>	<b>12</b>	<b>0900EST-</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
	<b>05</b>	<b>2100EST</b>							
<b>DEZ001</b>	<b>23</b>	<b>0900EST-</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
	<b>05</b>	<b>2200EST</b>							
									One of the longest heat waves on record enveloped New Castle County for two weeks and central and southern Delaware for twenty-five days. It took the combination of a cold front and the remnants of Hurricane Erin to break the back of this heat wave. According to published reports this was the worst heat wave for Delaware since 1977. The hottest temperatures during the August part of this heat wave were 96F in Wilmington (a new record) on the 4th, 98F in Lewes on the 5th and 100F in Georgetown on the 5th. Newark distributed fans to the elderly. Delmarva Power and Light set a new usage record. No heat related deaths were reported in August.
<b>DEZ002&gt;003</b>	<b>12</b>	<b>0900EST-</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
	<b>14</b>	<b>2100EST</b>							
<b>DELAWARE Cont'd</b>									
									Another heat wave affected the central and southern part of Delaware. It was briefly broken on the 15th by the onshore flow associated with Hurricane Felix. Hottest temperatures during this heat wave included 96F in Georgetown and 95F in Bridgeville.
<b>DEZ004</b>	<b>13</b>	<b>0800EST-</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Rip Currents, Heavy Surf</b>
	<b>21</b>	<b>2100EST</b>							
									Swells generated by Hurricane Felix pounded the Delaware Coast for a week and generated rip currents. Waves reached ten feet along the shore and bathing was either severely restricted or outright banned for most of the week. The prolonged pounding by the surf produced beach erosion, but only minor tidal flooding occurred as tides were astronomically low. No drownings were reported.
<b>DEZ001&gt;003</b>	<b>16</b>	<b>0900EST-</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
	<b>18</b>	<b>2100EST</b>							
									The last heat wave to affect Delaware this summer began on the 16th as the onshore effects from a weakening Felix diminished. The hottest day was the 18th as readings reached 96F in Georgetown, Odessa and Price's Corner and 94F in Wilmington.
<b>DEZALL</b>	<b>Month Long</b>				<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Unseasonably Warm and Dry</b>
									August 1995 was one of the ten warmest Augusts on record across the state. The mean temperature of 77.1F at the Greater Wilmington-New Castle Airport was the tenth warmest August on record. Precipitation was below normal, with Sussex County faring the worst receiving only 25 percent of its normal rainfall. The combination of excessive heat with little rainfall continued to put a strain on farming interests. In addition, in the northern part of the state below normal streamflows had water management officials contemplating restrictions.
<b>DEZALL</b>	<b>Season Long</b>				<b>1</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Unseasonably Warm, Drought</b>
									Summer 1995 was both warmer and drier than normal. Both July and August were among the ten warmest months on record at the Greater Wilmington-New Castle Airport. A very dry June and August continued a trend of below normal precipitation for most of the area started last September. Twelve month precipitation deficiencies averaged 10 inches. This was the longest drought for the region since July 1984-August 1985. (F?PH)
<b>FLORIDA, Northeastern</b>									
<b>Flagler County</b>	<b>01</b>	<b>2200EST-</b>			<b>0</b>	<b>0</b>	<b>40K</b>	<b>0</b>	<b>Wind</b>
	<b>02</b>	<b>1500EST</b>							
									Winds associated with Hurricane Erin produced multiple reports of trees, power, and telephone lines through out the county. Some roof damage occurred mainly along the coast.
<b>St. Johns County</b>	<b>01</b>	<b>2300EST-</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Wind</b>
	<b>02</b>	<b>1500EST</b>							
									Winds associated with Hurricane Erin produce multiple reports of trees and power lines blown down through out the county. The storm knocked out electrical service for about 10,000 customers.
<b>Nassau County Amelia Island</b>	<b>02</b>	<b>0036EST-</b>	<b>0.1</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Tornado(F0)</b>
		<b>0050EST</b>							
									Tornado was embedded in feeder bands from Hurricane Erin. Trees were downed along the track and scattered across A1A.
<b>Duval County Jacksonville Beach</b>	<b>02</b>	<b>0730EST-</b>	<b>.05</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>50K</b>	<b>0</b>	<b>Tornado(F0)</b>
		<b>0740EST</b>							
									Tornado was embedded in feeder bands from Hurricane Erin. Tornado tore a portion of a mall roof off.
<b>Duval County Jacksonville Beach</b>	<b>02</b>	<b>0730EST-</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
		<b>0755EST</b>							
									Thunderstorms associated with Hurricane Erin snapped large trees at Fort Caroline and Merrill Road and east along the St. Johns River.
<b>Nassau County Fernandina Beach</b>	<b>02</b>	<b>0800EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Wind (G52)</b>
									Winds associated with Hurricane Erin produced a gust to 52 knots at Fernandina Harbor Marina.
<b>Duval County</b>									



# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>Mayport</b>	<b>02</b>	<b>0800EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Wind (G50)</b> Winds associated with Hurricane Erin produced a gust to 50 knots a marina located in Mayport.
<b>Duval County Jacksonville Beach</b>	<b>02</b>	<b>0657EST-0800EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Wind (G50)</b> Winds associated with Hurricane Erin produced wind gusts to 50 knots at Jacksonville Beach Pier.
<b>Putnam County Alachua County Glichrist County</b>	<b>02</b>	<b>0700EST 1400EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Wind</b>
<b>FLORIDA, Northeastern Cont'd</b>									
									Winds associated with Hurricane Erin produced multiple reports of power lines and trees blown down.
<b>Marion County</b>	<b>02</b>	<b>1100EST</b>			<b>0</b>	<b>0</b>	<b>40K</b>	<b>0</b>	<b>Wind</b> Winds associated with Hurricane Erin blown several trees onto homes in Ocala. Widespread power outages with the southern portion of the county hardest hit.
<b>Columbia County South Columbia</b>	<b>02</b>	<b>1330EST</b>			<b>2</b>	<b>0</b>	<b>30K</b>	<b>0</b>	<b>Wind</b> Hurricane Erin's winds badly injured a man and his son when a large oak tree fell on their house and car. They were working on a small car by their house, when a wind gust uprooted a four-foot diameter tree and crushed a portion of their home. The structure was still standing but badly damaged. M38OU, M14OU
<b>Putnam County St. Johns County 2 E Palaka to 1 SE Hastings</b>	<b>03</b>	<b>1115EST-1135EST</b>	<b>8</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>1K</b>	<b>1K</b>	<b>Tornado(F0)</b> Observed first as a funnel cloud near Palaka. Brief touch down in two east miles East of Palaka near St. Johns River. Damage was to several sorghum fields and snapped trees.
<b>Duval County Jacksonville</b>	<b>03</b>	<b>1050EST-1100EST</b>			<b>0</b>	<b>0</b>	<b>0.5K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Large limbs and trees snapped on the Southside. 60-70 mph winds downed trees at Interstate 10 and Chaffee.
<b>Baker County Olustee</b>	<b>03</b>	<b>1130EST</b>			<b>0</b>	<b>0.5K</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b> Trees and power lines blown down.
<b>Nassau County Callahan</b>	<b>03</b>	<b>1136EST</b>			<b>0</b>	<b>0</b>	<b>0.5K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Gusts from thunderstorm downed large trees and power lines.
<b>Suwannee County</b>	<b>15</b>	<b>????EST</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heat</b> A Suwannee County man died, apparent victim of heat stroke. Afternoon temperatures in Lake City reached 103 degrees.
<b>Marion County 1 S Ocala</b>	<b>15</b>	<b>1515EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Several trees uprooted from a thunderstorm gust. Shingles blown off several homes and windows were blown out of a bank. Damage was mainly on a five block stretch east of U.S. 301 and U.S. 441, one mile south of Ocala.
<b>Columbia County Lake City</b>	<b>15</b>	<b>1530EST</b>			<b>0</b>	<b>0</b>	<b>1.5K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Several large trees were uprooted along Bradford Highway.
<b>Union County 1 E Lake Butler</b>	<b>15</b>	<b>1550EST</b>			<b>0</b>	<b>0</b>	<b>6K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Roof damage to home and numerous large trees were blown down.
<b>Alachua County Alachua</b>	<b>15</b>	<b>1610EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Roof damage to home.
<b>Alachua County 5 W Gainesville</b>	<b>15</b>	<b>1615EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b> Large hail reported one mile west of Interstate 75 on SR-26 West.
<b>Alachua County Alachua</b>	<b>15</b>	<b>1530EST</b>			<b>0</b>	<b>0</b>	<b>8K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Large tree uprooted and damaged house just off of Highway 346A.
<b>Duval County Jacksonville Beach</b>	<b>19</b>	<b>1518EST-1530EST</b>			<b>0</b>	<b>0</b>	<b>8K</b>	<b>0</b>	<b>Thunderstorm Winds (G60)</b> Gusts in excess of 60 knots (1518EST) were reported at the beach pier. Part of a roof was blown off. Several large trees were blown down (1530EST).
<b>Duval County Nassau County St. Johns County</b>	<b>24</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Flood</b> Two days of rain caused numerous streets and a few building flooded in the downtown area. Several cars stalled while the

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<p>passed through two to three feet of water on San Marco Boulevard in of Landon Park. Two day amounts: Mandarin Middle School - 4.52 inches, Ribault Middle School - 3.73 inches, Jefferson Davis Middle School - 3.75 inches, WJXT TV-4 4.73 inches, Fletcher Middle School 4.46 inches.</p>									
<b>Columbia County Fort White</b>	<b>25</b>	<b>0710EST</b>			<b>0</b>	<b>0</b>	<b>0.5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Large trees blown down.
<b>FLORIDA, East Central</b>									
<b>FLZ045-047-053-054</b>									
<b>Brevard, Osceola Orange, Indian River Counties</b>									
	<b>02</b>	<b>0000EST-</b>			<b>3</b>	<b>0</b>	<b>0</b>	<b>130M</b>	<b>Hurricane Erin</b>
	<b>02</b>	<b>0800EST</b>							
<p>The center of Hurricane Erin came ashore near Vero Beach around 0100 EST and moved northwest across Indian River County into Osceola, Orange and Lake Counties. The minimal category one hurricane caused widespread wind damage mostly in Brevard County. On land there were no deaths or serious injuries in east central Florida directly related to the hurricane, although a St. Lucie County man was crushed to death by stack a of plywood while preparing his home for the storm in Ft. Pierce.</p> <p>The 235-foot gambling ship Club Royale out of Palm Beach capsized and sank about 90 miles east of Cape Canaveral. Eight crew members were rescued by the United States Coast Guard. Three crew members including the Captain were lost. Spiral bands around Erin's center spawned strong east and then southeast winds in Brevard County. The greatest damage was along the coast from Cape Canaveral to Sebastian Inlet including the towns of Satellite Beach, Indian Harbor Beach and Melbourne Beach. Dozens of large high rise hotels and condominiums suffered major damage to roofs and some walls. Almost all had major water damage due to wind driven rain. Numerous smaller structures such as grocery stores, restaurants and homes also were severely damaged or destroyed by wind along the beaches. A tug boat sank in Port Canaveral as did a few other small boats in other marinas. In Brevard County 37 structures were destroyed, 81 sustained major damage with 443 reporting minor damage. Two houses were destroyed by fires that were started by downed power lines. Five airplanes were damaged at Melbourne International Airport. The WSR-88D Doppler Radar in Melbourne measured winds near 90 mph along the coast of Brevard County. Wind gusts of 76 and 70 MPH were recorded at the Melbourne and Vero Beach airports respectively.</p> <p>Inland, widespread minor structural damage to buildings and damage due to fallen trees extended from central Brevard County to the greater Orlando area. In Osceola County the roof was blown off a fire station in Kissimmee. About 24 buildings, mostly mobile homes, were severely damaged by falling trees. Many streets were flooded. Numerous fallen trees and large limb damaged houses and cars in Orlando.</p>									
<b>Osceola County 3 E St. Cloud</b>	<b>02</b>	<b>0404EST</b>	<b>0.3</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>150K</b>	<b>0</b>	<b>Tornado (F1)</b>
<p>A small F1 tornado touched down about two miles north of Highway 192 along Highway 532 near Lake Lizzie. The tornado produced a long swath of damage through a wooded area. A house was destroyed when it was hit by a falling tree. Two horses were killed.</p>									
<b>St. Lucie County 7 NW Ft. Pierce</b>	<b>02</b>	<b>0900EST</b>	<b>0.1</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0.5k</b>	<b>0</b>	<b>Tornado (F0)</b>
<p>A small F0 tornado touched down briefly in the Spanish Lakes mobile home community destroying a screen porch on a mobile home.</p>									
<b>Brevard County Melbourne</b>	<b>02</b>	<b>1255EST</b>	<b>0.1</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b>
<p>Rain showers in a band trailing Tropical Storm Erin produced a small F0 tornado in Melbourne. It touched down briefly in Melbourne blowing down a tree and overturning a storage shed near Lake Washington and Wickham roads.</p>									
<b>Brevard County Titusville</b>	<b>02</b>	<b>1345EST</b>	<b>0.5</b>	<b>40</b>	<b>0</b>	<b>1</b>	<b>60K</b>	<b>0</b>	<b>Tornado (F1)</b>
<p>Rain showers from Tropical Storm Erin produced a small tornado in Titusville, knocking out power lines and motel signs. It blew large windows out of three buildings injuring one person with flying glass. It damaged the roof of a Sears store and a McDonald's restaurant and blew windows out of parked cars.</p>									
<b>Brevard County Indian River</b>	<b>02</b>	<b>1400EST</b>	<b>0.1</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Tornado (F0)</b>
<p>A small F0 tornado touched down briefly in Indian River. Two trees were blown down damaging a house.</p>									
<b>Brevard County Melbourne Palm Bay</b>	<b>02</b>	<b>1200EST- 1600EST</b>			<b>0</b>	<b>0</b>	<b>3M</b>	<b>0</b>	<b>Flash Flood</b>
<p>As Tropical Storm Erin moved into the Gulf of Mexico on August 2nd, outer rain bands from the storm formed over east central Florida. By 1300 EST a solid band of thunderstorms had formed in a north to south pattern over Brevard and Indian River Counties and remained stationary until about 1700 EST. The storms dropped from seven to 10 inches of rain, flooding much of Palm Bay and Melbourne. Most major and secondary roads were impassable. The roof collapsed on a large department store due to the weight of the water. Over 100 other homes and businesses received some flood damage.</p>									
<b>Brevard County Titusville</b>	<b>20</b>	<b>1400EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
<b>St. Lucie County Ft. Pierce</b>	<b>21</b>	<b>0755EST</b>	<b>0.1</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b>
<p>Numerous people watched as a very small tornado touched down briefly in Ft. Pierce damaging a bank sign.</p>									
<b>Volusia County Daytona Beach</b>	<b>21</b>	<b>0900EST- 1400EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Rip Current</b>
<p>During the day numerous rip currents formed in the surf near Daytona Beach and Daytona Beach Shores. Local beach lifeguards rescued 36 people from the ocean. There were no fatalities.</p>									

**FLORIDA, East Central Cont'd**

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>FLZ045-047-053-059-064</b> Martin, St. Lucie, Osceola, Orange Brevard Counties	23 24	1300EST- 0100EST			0	0	0	0	<b>Tropical Storm Jerry</b> About 1300 EST, Tropical Depression number 11 intensified and became Tropical Storm Jerry near West Palm Beach, Florida. The storm center moved inland north of Palm Beach, and then moved northwest, west of Vero Beach. Early on the 24th, the center passed over Lakeland and then into the Gulf of Mexico south of Cedar Key by late afternoon. The highest wind gust in east central Florida was from the southeast at 49 MPH at Melbourne International Airport. Wind damage to the areas was minimal. Most storm related problems were due to five to 11 inches of rain that fell in Martin and St. Lucie counties where 12 homes and numerous roads and highways were flooded.
<b>Martin County</b> Stuart	23 24	2200EST- 0800EST			0	0	100K	0	<b>Flash Flood</b> Heavy rainfall associated with Tropical Storm Jerry produced torrential rain over central and northeast Martin County. Most interior roads in the county were flooded as well as many roads in the coastal areas. Eight houses in Stuart were flooded.
<b>St. Lucie County</b> Port St. Lucie Isabella	24	0020EST			0	0	100K	0	<b>Flash Flood</b> Heavy rainfall associated with Tropical Storm Jerry produced torrential rain over St. Lucie County. Numerous roads and four homes in Port St. Lucie and Isabella were flooded.
<b>Brevard County</b> Cocoa	24 24	0200EST- 0600EST			0	0	0	0	<b>Flash Flood</b> Heavy rains produced sudden flooding in the Cocoa area swamping many roads and a mobile home community.
<b>Orange County</b> Orlando	24 24	0730EST- 1000EST			0	0	0	0	<b>Flash Flood</b> Numerous streets and one apartment building were flooded in Orlando.
<b>Volusia County</b> Daytona Beach	28	1200EST			0	0	0	0	<b>Rip Current</b> Beach safety personnel rescued 10 people from rip currents near Daytona Beach.
<b>Lake County</b> 10 S Groveland	31	1515EST			0	0	0	0	<b>Funnel Cloud</b>
<b>Okeechobee County</b> Ft. Drum	31	1650EST			0	0	0	0	<b>Funnel Cloud</b>
<b>FLORIDA, Southern</b>									
<b>FLZ067-068-072-074</b> Southeast Florida	01 02	0900EST- 1500EST			1	0	0	0	<b>Hurricane Erin</b> Erin, a tropical storm in the central Bahamas, strengthened to minimal hurricane intensity, before moving ashore near Vero Beach. Erin moved across central Florida as a tropical storm then moved into the northeast Gulf of Mexico where it reintensified to hurricane strength before moving ashore a final time near Pensacola. In southeast Florida maximum winds gusts were 37 knots at Miami Beach with the lowest pressure of 1000.9 mb at West Palm Beach International Airport. The only fatality in southeast Florida was a 15-year-old male surfer who drowned in a rip current off Palm Beach County. There was minor to moderate beach erosion in Palm Beach County, and minor fresh water flooding from north Dade to Palm Beach County with rainfall totals of two to six inches. Six people were rescued from a 55-foot ketch that was grounded near Riviera Beach. The Red Cross in Palm Beach County spent \$50 thousand to serve more than 4,000 people in 10 emergency shelters. An unscientific study estimated that lost productivity in Dade, Broward, and Palm Beach counties, caused by the approach of Erin, amounted to \$200 million. (M151W)
<b>Palm Beach County</b>	01	1500EST			1	0	0	0	<b>Rip Current</b> A 15-year-old male surfer drowned in a rip current off a Palm Beach County beach. (M51W)
<b>Broward County</b> 23 E FLL	03	1215EST			0	0	0	0	<b>Waterspout</b> A pilot reported a waterspout 10 miles offshore central Broward County.
<b>Monroe County</b> 1 S Matecumbe Key	08	0808EST			0	0	0	0	<b>Waterspout</b> Monroe County Sheriff's Office reported a waterspout one mile south of Matecumbe Key.
<b>Broward County</b> Sunrise	10	1810EST			0	0	0	0	<b>Funnel Cloud</b> Broward County Sheriff's Office reported a funnel cloud four miles northwest of the intersection of Interstate 595 and the Sawgrass Expressway.
<b>Monroe County</b> Sugarloaf Key 15 ENE EYW 1 S Marathon	11	1205EST			0	0	0	0	<b>Waterspout</b> Monroe County Sheriff's Office reported two waterspouts near Sugarloaf Key and several waterspouts south of Marathon.
<b>FLORIDA, Southern Cont'd</b>									
<b>Palm Beach County</b> Palm Beach Shores 8 NE PBI	17	1300EST			0	1	0	0	<b>Rip Current</b> A 28-year-old male nearly drowned in a rip current while swimming at a beach in Palm Beach Shores. He was transported to a hospital in critical condition.
<b>Dade County</b>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>17 NE MIA</b>	<b>22</b>	<b>0815EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
			A pilot reported a waterspout seven miles offshore North Miami Beach.						
<b>Palm Beach County 5 E PBI</b>	<b>22</b>	<b>0920EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
			National Weather Service personnel reported several waterspouts offshore Palm Beach.						
<b>Dade County Homestead 25 SSW MIA</b>	<b>22</b>	<b>1230EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
			Two funnel clouds were sighted east of U.S. 1 in the Homestead area.						
<b>Broward County 13 E FLL</b>	<b>22</b>	<b>1415EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
			Two waterspouts were observed 10 to 15 miles offshore Fort Lauderdale.						
<b>Monroe County Marathon</b>	<b>23</b>	<b>1040EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
			Monroe County Sheriff's Office reported a waterspout near Marathon.						
<b>FLZ063-066&gt;075- S Florida Collier County Monroe County Collier County Monroe County Glades County Hendry County</b>	<b>23 25 24 25</b>	<b>1200EST- 1200EST 1200EST- 1200EST</b>			<b>0 0 ?</b>	<b>0 0 ?</b>	<b>600K 1M ?</b>	<b>1M ?</b>	<b>Tropical Storm Jerry Flash Flood</b>
			Tropical storm Jerry formed quickly in the northwest Bahamas, moved ashore in extreme northeast Palm Beach County, and tracked northwest across the peninsula to north of Tampa. Maximum winds at landfall were 35 knots with gusts to 43 knots measured at Lake Worth Inlet, and the minimum central pressure was 1005.3 mb. The storm surge along the southeast Florida coast was minimal. In Palm Beach County rains of six to eight inches produced mostly minor flooding of roads and a few residences. The heavy rain flooded a boat which caused fuel to slosh out starting a fire that destroyed the \$70 thousand vessel and did \$10 thousand damage to a neighboring boat. Maximum rainfall amounts of 10 to 16 inches fell on Collier and Mainland Monroe counties, and adjacent sections of west Hendry and Glades counties, as well as Lee and Charlotte Counties. This rain, along with the subsequent sheet flow and additional heavy rains the last few days of August, produced extensive flooding of roadways and property that lasted through early September. Sand bags were used to protect property, and a number of people were evacuated to emergency shelters. Three-hundred and forty residences in Collier County were damaged by flood waters, 12 of which became uninhabitable with insured and uninsured property losses around \$500 thousand agricultural losses in Collier County were estimated at \$1 million. Flood damages elsewhere in south Florida were estimated at \$100 thousand. Two indirect deaths resulted from flooding in Collier County. A 21-year-old male was electrocuted when he plugged in a refrigerator while standing in flood waters. A boy died of a disease after playing in flood waters.						
<b>Dade County 30 ENE MIA</b>	<b>27</b>	<b>1355EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
			A pilot reported a funnel cloud in the Atlantic 20 miles offshore North Miami Beach.						
<b>Dade County 15 S MIA</b>	<b>28</b>	<b>1422EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
			A pilot reported a waterspout in Biscayne Bay just offshore Cutler Ridge.						
<b>Monroe County 1 S EYW 1/2 S EYW</b>	<b>29</b>	<b>1129EST 1209EST</b>			<b>0 0</b>	<b>0 0</b>	<b>0 0</b>	<b>0 0</b>	<b>Waterspout Waterspout</b>
			National Weather Service personnel sighted a waterspout one mile south of Key West International Airport that lasted six minutes. National Weather Service personnel sighted a waterspout one-half mile south of Key West International Airport. It lasted nine minutes.						
<b>FLORIDA, West Central</b>									
<b>Polk County 1 NW Lakeland</b>	<b>01</b>	<b>1215EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds (G40)</b>
			Thunderstorm Winds gusts of 40 to 50 mph ripped the roof off a mobile home.						
<b>Polk County Lake Wales</b>	<b>02</b>	<b>0140EST</b>			<b>0</b>	<b>0</b>	<b>0.5K</b>	<b>0</b>	<b>Thunderstorm Winds (G40)</b>
			Thunderstorm winds gusts of 40 to 50 mph blew down a few large trees.						
<b>FLORIDA, West Central Cont'd</b>									
<b>FLZ039-042&gt;043-048&gt;052-055&gt;057 -060&gt;062-065 West Central &amp; Southwest Florida</b>	<b>02 02</b>	<b>0100EST- 2200EST</b>			<b>0</b>	<b>1</b>	<b>2M</b>	<b>0</b>	<b>Hurricane Erin</b>
			Erin, a minimum category one hurricane, moved onshore near near Vero Beach, Florida then slowly weakened to tropical storm strength as it moved west northwest over Central Florida during the predawn hours. Erin continued to move rapidly west northwest across west Central Florida with the eye having moved offshore 35 miles north of Tampa around 0900 EST. Erin slowly reintensified to minimal hurricane strength well after moving offshore of West Central Florida into the northeast Gulf of Mexico.						

In West Central Florida, maximum sustained winds of 35 knots occurred at Cedar Key in Levy county at 1347 EST. A maximum

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property	Crops	Character of Storm
					Killed	Injured			
<p>Winds gust of 61 knots occurred at Lake Wales in Polk County at 0315 EST. Tropical storm force winds gusts were frequently observed from the Tampa metro area north to Cedar Key through midday. Occasional wind gusts up to tropical storm strength extended as far south as Sarasota by the afternoon of the 2nd. The lowest sea level pressure reported in West Central Florida of 993.3 millibars occurred at New Port Richey in Pasco county at 0937 EST. The greatest rainfall occurred along and to the north of Erin's track. Twenty-four hour rainfall totals averaged between 2.5 and 3.5 inches from the Tampa metro area north to Levy County on the 2nd. Storm tide values in Pinellas, Hillsborough and southwest Pasco counties averaged one to two feet above mean sea level. Beach erosion was minor from Clearwater Beach north to Cedar Key. Minor to moderate flooding of local roadways was reported along the immediate coastal areas from Pinelka County north to Hernando County. In Citrus County, 5,000 residents were without power for up to 24 hours due to downed power lines from tropical storm force Winds. Also, the City Hall in Inverness of Citrus County sustained minor roof damage while a mobile home lost its roof in Floral City. In Hernando County, 6,000 residents were without power for up to 24 hours due to downed power lines from tropical storm force winds. Also, a mobile home in Brooksville was destroyed by a fallen tree. In Pasco County, two apartment complexes in Port Richey sustained moderate roof damage from tropical storm force winds. One injury occurred when a wind blown tree fell through the roof of a single story home in Lutz of Hillsborough County.</p>									
<b>Pinellas County Clearwater</b>	<b>03 03</b>	<b>0400EST 1600EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Urban Flood</b>
<p>Periodic heavy rains of one to two inches per hour caused local urban flooding of streets and low lying areas of Clearwater Largo, Seminole and Pinellas Park.</p>									
<b>Sarasota County Manatee County</b>	<b>03 03</b>	<b>1200EST 1600EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Urban Flood</b>
<p>Periodic heavy rains of one to two inches per hour caused local urban flooding of streets and low lying areas of Sarasota and Bradenton. A Skywarn Spotter reported one inch of rain in 20 minutes in North Sarasota.</p>									
<b>Manatee County Myakka City</b>	<b>10</b>	<b>1530EST</b>			<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<p>A 25-year-old male was struck in the neck and killed by lightning while working in a tomato field. Two other male workers were also struck and received minor injuries while trying to flee the tomato field during the thunderstorm. M25</p>									
<b>Polk County 15 ENE Lakeland</b>	<b>11</b>	<b>2010EST 2020EST</b>			<b>0</b>	<b>0</b>	<b>0.3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<p>Thunderstorm winds downed a large tree which blocked traffic on U.S. Highway 17/91 east of Lake Alfred.</p>									
<b>Hillsborough County</b>	<b>12 12</b>	<b>1230EST 1430EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Urban Flood</b>
<p>One to three inches of rain fell over the Tampa metropolitan area in less than two hours which caused local flooding of streets and low lying areas.</p>									
<b>Highlands County Avon Park</b>	<b>13</b>	<b>1803EST</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<p>A 13-year-old boy was struck by lightning near Lake Lillian. He was hospitalized but died two days later. M130</p>									
<b>Polk County 7 SE Lakeland</b>	<b>15</b>	<b>1515EST 1520EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<p>Thunderstorm winds downed several trees at a convenience store in Highlands City, one of which landed on and damaged a boat.</p>									
<b>Polk County 2 S Lakeland</b>	<b>15</b>	<b>1515EST</b>			<b>0</b>	<b>0</b>	<b>.5K</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<p>Thunderstorm winds estimated at 60 mph downed a few large trees two miles south of Lakeland.</p>									
<b>Citrus County 3 NW Iverness</b>	<b>15</b>	<b>1530EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<p>Roof damage occurred at a business three miles northwest of Inverness. Several mobile homes were damaged near Inverness, including a car damaged by a fallen tree.</p>									
<b>Hillsborough County 15 SSE Tampa</b>	<b>15</b>	<b>1625EST</b>			<b>0</b>	<b>0</b>	<b>0.5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<p><b>FLORIDA, West Central Cont'd</b></p> <p>Thunderstorm winds blew down the carport from a mobile home in the Chula Vista Mobile Home Park in Ruskin.</p>									
<b>Hillsborough County 5 NW Tampa</b>	<b>15</b>	<b>1640EST</b>			<b>0</b>	<b>0</b>	<b>0.3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<p>Thunderstorm winds blew off the roof of a shed at the intersection of Sheldon and Memorial streets in the Town &amp; Country area of Northwest Tampa.</p>									
<b>Levy County 11 SE Bronson</b>	<b>15</b>	<b>1657EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<p>Thunderstorm winds downed numerous trees and power lines in Williston.</p>									
<b>Hillsborough County 8 SSE St. Pete</b>	<b>15</b>	<b>1700EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G67)</b>
<p>Ports bouy reported a thunderstorm winds gust of 77 mph near the Sunshine Skyway Bridge.</p>									
<b>Hillsborough County 15 SW St. Pete</b>	<b>15</b>	<b>1702EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<p>Thunderstorm winds gust of 60 mph reported at Egmont Key.</p>									
<b>Pinellas County</b>									

# Storm Data and Unusual Weather Phenomena

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
7 S St Petersburg	15	1715EST			0	0	10K	0	Thunderstorm Winds
Thunderstorm winds turned over a tractor-semitrailer on the north end of the Sunshine Skyway bridge. The top of a mobile home was blown off near the bridge. Tree and roof shingle damage occurred in St. Petersburg on 4th Street South between 21st and 22nd Avenue.									
Manatee County 6 W Bradenton	15	1715EST			0	0	10K	0	Thunderstorm Winds
Thunderstorm winds blew the roof off the Rod and Reel Pier.									
Manatee County 3 E Myakka City	15	1725EST			0	0	20K	0	Thunderstorm Winds
Thunderstorm winds overturned and damaged a mobile home on SR 70 which caused a propane leak.									
Manatee County 6 W Bradenton	15	1730EST			0	0	2K	0	Thunderstorm Winds
Thunderstorm winds caused minor roof damage to the Schoaner Bend Apartments on 46th Avenue.									
Manatee County Bradenton	15	1745EST			0	1	0	0	Lightning
Lightning struck and injured a female of unknown age on U.S. 41 two blocks north of SR 70.									
Desoto County 8 SE Arcadia	15	1750EST			0	0	4K	0	Thunderstorm Winds (G40)
Thunderstorm winds blew the roofs off of two mobile homes and downed a small rooftop TV antenna near State Road 31 Apache Road.									
Pinellas County St Petersburg	15	1759EST			0	1	0	0	Lightning
Lightning struck and injured a male of unknown age while in a boat on Tampa Bay.									
Charlotte County Punta Gorda	15	1800EST			0	0	0	0	Hail (1.75)
Golf ball-size hail fell was reported in Punta Gorda.									
Charlotte County Punta Gorda	15	1800EST			0	0	2K	0	Thunderstorm Winds
Thunderstorm winds downed several power lines in Punta Gorda.									
Sarasota County 5 NW Venice	15	1810EST			0	0	0	0	Hail (1.75)
Golf ball-size hail fell on Bay Street and U.S. 41 in Osprey.									
Lee County 6 NE Ft. Myers	15	1825EST			0	0	3K	0	Thunderstorm Winds
Thunderstorm winds downed several large tree tops near Interstate 75 and Bayshore Drive.									
Lee County 5 SW Ft. Myers	15	1830EST			0	1	20K	0	Thunderstorm Winds
The roof of the Tiki Bar at Del Prado Inn collapsed and injured one person. A boat was damaged, and many power lines were downed by the thunderstorm winds.									
Lee County 10 SE Ft. Myers	15	1847 ES			0	0	0	0	Thunderstorm Winds (G55)
Thunderstorm downburst wind gust of 63 mph was measured at Southwest Florida Regional Airport (RSW).									
Hillsborough County 4.5 W Tampa	19	1421EST			0	0	1K	0	Thunderstorm Winds (G36)
A wind gust measured at 41 mph ripped chunks off an airside terminal, and sent several baggage carts sailing, at the Tampa International Airport.									
Lee County Lehigh Acres	19	1745EST			0	0	4K	0	Thunderstorm Winds
Several trees, power lines, and a pool enclosure were blown down by thunderstorm winds.									
<b>FLORIDA, West Central Cont'd</b>									
Lee County Eastern	19	1830EST			0	0	0	0	Urban Flood
	19	2000EST			0	0	0	0	
Heavy rain of three to five inches over portions of Eastern Lee county caused local urban flooding of roads and low lying areas in Lehigh Acres and Alva.									
Pinellas County 2 E St. Petersburg	23	1440EST			0	0	0	0	Waterspout
A waterspout was observed over Tampa Bay east of the St. Petersburg Pier.									
FLZ039-042>043 -048>052-055>057 -060>062-065 West Central & Southwest Florida	23	2000EST			0	0	4M	15M	Tropical Storm Jerry
	25	2000EST			0	0	4M	15M	
Tropical Storm Jerry moved onshore north of West Palm Beach around noon on the 23rd. Tropical Storm Jerry moved northwest across the state and began to affect Highlands and Polk counties with gusts of 25 to 30 knots by the evening of the 23rd. Jerry continued northwest across West Central Florida with the center of circulation moving off the Citrus County shoreline around noon of the 24th. Jerry remained stationary along the Citrus County shoreline through mid afternoon of the 24th before heading northwest into the Northeast Gulf of Mexico by late afternoon with no further intensification.									
The strongest winds reported over West Central Florida from Jerry was a 45 knot Winds gust in Sarasota associated with an outer rain band at 1315 EST on the 25th. The lowest pressure reported with Jerry in West Central Florida was 1002.9 millibars in Winter Haven of Polk county at 0315 AM on the 24th. Although minimal rainfall occurred with the center of Jerry as it moved northwest across the Florida peninsula, significant rainfall from extreme outer rainbands of Jerry occurred over coastal areas of									

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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	
<p>West Central and Southwest Florida on the 24th and 25th. Rainfall totals of 10 to 15 inches occurred from Ft. Myers in Lee County north to Tampa in Hillsborough County. Moderate to extensive flooding occurred in Lee County from Jerry's outer rain band on the 24th to 25th. Heavy flooding occurred in Charlotte County, minor to moderate in Hillsborough County and minor flooding in DeSoto County. Citrus crops in Lee County suffered \$7.8 million in damage while citrus crops in Charlotte County incurred \$7.2 million in damage from the Jerry's excessive rainfall. Storm tides averaged one to one and one-half feet above normal mean sea level in Pinellas, Hillsborough, Pasco, Hernando, Citrus and Levy Counties after Jerry moved offshore during the 24th and 25th. Beach erosion from Jerry was minor and occurred from Englewood Beach in Pinellas County to Cedar Key in Levy County.</p>									
<b>Lee County Charlotte County DeSoto County</b>	24	1200EST							
	25	2300EST			?	?	?	?	<b>Flood</b>
<p>Outer rain bands from Tropical Storm Jerry produced significant flooding over parts of Southwest Florida from noon on the 24th to late in the evening of 25th. Lee County experienced the most intense flooding with 10 to 15 inches reported in less than 36 hours. Numerous homes, businesses and roads were inundated with flood waters, primarily in Pine Island, Sanibel Island, Cape Coral, Fort Myers and Bonita Springs of Western Lee County. Charlotte County experienced moderate to heavy flooding with five to 10 inches reported from Port Charlotte to Punta Gorda. Several businesses, homes and roads were inundated with flood waters. DeSoto County experienced minor flooding with up to five inches reported in Arcadia in less than 36 hours. Approximately \$4 million worth of property damage.</p>									
<b>Pasco County 12 W Zephyrhills</b>	24	1147EST	0.1	7	0	0	0	0	<b>Tornado (F0)</b>
<p>A weak tornado briefly touched down near Exit 58 of Interstate 75 and State Highway 54. Four observers watched the weak tornado travel approximately 200 feet and produce a debris/dust funnel with no apparent damage before it lifted and dissipated.</p>									
<b>Hillsborough County 20 SE Tampa</b>	25	1047EST	0.1	5	0	0	0	0	<b>Tornado (F0)</b>
<p>A weak tornado briefly touched along State Highway 674 in Wimauma and produced no damage before it lifted and dissipated.</p>									
<b>Hillsborough County Pinellas County Pasco County Manatee County</b>	26	0900EST- 1600EST			0	0	0	0	<b>Urban Flood</b>
<p>Localized heavy rain of five to seven inches occurred over part of Tampa, St. Petersburg, Clearwater, Bradenton and Port Richey metropolitan areas which caused urban flooding of streets and low lying areas.</p>									
<b>Sarasota County 3 NW Sarasota</b>	29	1700EST			0	0	0	0	<b>Waterspout</b>
<p>A waterspout was observed over Sarasota Bay.</p>									
<b>Pasco County New Port Richey</b>	31	1500EST- 1625EST			0	0	0	0	<b>Heavy Rain</b>
<p>A weather spotter for WTVT-TV of Tampa reported 4.9 inches of rain during a one hour and twenty-five minute period in New Port Richey.</p>									
<b>Pasco County Port Richey to Hudson Beach</b>	31	1515EST							
<b>FLORIDA, West Central Cont'd</b>									
		1543EST	4.2	8	0	0	10K	0	<b>Tornado (F0)</b>
<p>A tornado, 25-foot wide briefly touched down in the Tri-Leisure Apartments near the intersection U.S. 19 and Scenic in Port Richey. Two apartment buildings received minor to moderate roof damage. The tornado briefly touched down along its northward trek and a downed a few trees west of U.S. 19. The last brief touchdown occurred at the intersection of Clark and Sommers Avenue in Hudson Beach where a shed was severely damaged.</p>									
<b>Highlands County 4 NW Sebring</b>	31	1530EST 1540EST	2.2	8	0	0	5K	0	<b>Tornado (F0)</b>
<p>A weak and short-lived tornado, 25-foot wide, briefly touched down four miles northwest of Sebring in the Sebring Estate subdivision and caused minor lawn chair damage. The tornado lifted and moved northeast across U.S. 27 and briefly touched down in the Sebring Ridge subdivision with minor shed damage. The third and final tornado touchdown occurred in the Sebring Ridge Crossing subdivision where two homes received light to moderate roof and garage damage before it lifted.</p>									
<b>Pasco County Western</b>	31	1600EST 1800EST			0	0	0	0	<b>Urban Flood</b>
<p>Three to four inches of rain caused local urban flooding of streets and low lying areas between New Port Richey and Hudson along and west of U.S. Highway 19.</p>									
<b>FLORIDA, Northwestern</b>									
<b>FLZ007-008-012-013 Eastern Florida Panhandle</b>	02	1200EST							
	03	1600EST			2	0	1M	10K	<b>Hurricane Erin</b>
<p>The center of Erin moved west-north-west across Central Florida and emerged into the Gulf of Mexico during the afternoon of 2nd. The storm re-intensified reaching hurricane strength at midnight. The storm made landfall as a category one hurricane at Pensacola before noon on the 3rd. Damage from Erin in Bay and Gulf counties was mainly along the beaches where piers and some roadways received damage.</p>									

# Storm Data and Unusual Weather Phenomena

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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	
<p>Some other light damage was reported mainly to roofs and signs. In south Walton County, some 500 buildings received light to moderate damage. Further inland in Walton, mainly light wind damage was reported. At around 10 AM on the 2nd, a man and his daughter were blown offshore from the beach at Cape San Blas. They were never recovered or found. M46BO F09BO</p>									
<b>Leon County</b> Capitola	<b>03</b>	<b>945EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
A funnel cloud was reported by a volunteer fire department.									
<b>Bay County</b> Panama City	<b>09</b>	<b>1425CST</b>	<b>.1</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>15k</b>	<b>0</b>	<b>Tornado (F0)</b>
A weak tornado briefly touched down damaging a roof of a doughnut shop, a billboard, and one vehicle. Length and width of path were estimated.									
<b>Madison County</b> Lovett	<b>15</b>	<b>1723EST</b>			<b>0</b>	<b>0</b>	<b>.2k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<b>Greenville</b>	<b>15</b>	<b>1730EST</b>			<b>0</b>	<b>0</b>	<b>1k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<b>Sirmans</b>	<b>15</b>	<b>1745EST</b>			<b>0</b>	<b>0</b>	<b>.2k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Trees and power lines were blown by thunderstorm winds around the county.									
<b>Leon County</b> Miccosukee	<b>15</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>	<b>2k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<b>Chaires</b>	<b>15</b>	<b>1835EST</b>			<b>0</b>	<b>0</b>	<b>.5k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Numerous trees and power lines were blown down.									
<b>Leon County</b> Chaires	<b>15</b>	<b>2015EST</b>			<b>0</b>	<b>0</b>	<b>.5k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Few trees were blown down.									
<b>Wakulla County</b> Spring Creek	<b>15</b>	<b>1915EST</b>			<b>0</b>	<b>0</b>	<b>1k</b>	<b>0</b>	<b>Hail 100, Thunderstorm Wind</b>
<b>2SE Crawfordville</b>	<b>15</b>	<b>1920EST</b>			<b>0</b>	<b>0</b>	<b>1k</b>	<b>0</b>	<b>Hail 75, Thunderstorm Wind</b>
Public and off-duty NWS personnel reported hail, large trees, and power lines down.									
<b>Jefferson County</b> 1S Lloyd	<b>15</b>	<b>1930EST</b>			<b>0</b>	<b>0</b>	<b>.7k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Some trees and power lines were blown down.									
<b>Dixie County</b> 4NE Horseshoe Beach	<b>15</b>	<b>1719EST</b>			<b>0</b>	<b>0</b>	<b>20k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<b>4N Horseshoe Beach</b>	<b>15</b>	<b>1719EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind G72</b>
Three homes suffered roof damage from falling trees. Two small barns were destroyed. One camper trailer was destroyed while another was damaged. Two vehicles and one house trailer received damage. Numerous trees and power lines were downed. Damage survey confirmed damage was due to straight line winds. A wind gust to 72 knots was measured at a radar facility.									
<b>FLORIDA, Northwestern Cont'd</b>									
<b>Bay County</b> Panama City	<b>16</b>	<b>1415-1510CST</b>			<b>0</b>	<b>0</b>	<b>1k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Trees were reported down and an awning damaged near Harrison Ave. County communications reported trees down in and around Panama City.									
<b>Leon County</b> Northern section	<b>19</b>	<b>1515EST</b>			<b>0</b>	<b>0</b>	<b>20k</b>	<b>0</b>	<b>Hail 75, Thunderstorm Wind</b>
WCTV meteorologists reported hail and large trees down in Killbuck Acres and Bradfordville. A building under construction had its reinforced concrete walls collapsed by winds.									
<b>Wakulla County</b> Woodville	<b>19</b>	<b>1750EST</b>			<b>0</b>	<b>0</b>	<b>.2k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Sheriff's office reported two trees blown down in Woodville.									
<b>Jackson County</b> Marianna	<b>19</b>	<b>1855CST</b>			<b>0</b>	<b>0</b>	<b>.5k</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Sheriff's department reported several trees down.									
<b>Walton County</b> Freeport	<b>21</b>	<b>1455CST</b>			<b>0</b>	<b>0</b>	<b>175k</b>	<b>0</b>	<b>Lightning</b>
Lightning caused a fire that destroyed a cabinet shop.									
<b>FLORIDA, Western Panhandle</b>									
<b>FLZ001-002-003-004-005-006</b> Northwest Florida	<b>03</b>	<b>0700CST-1800CST</b>			<b>0</b>	<b>0</b>	<b>230M</b>	<b>5M</b>	<b>Hurricane Erin</b>
Hurricane Erin moved across the Gulf of Mexico on August 2 and 3 and turned toward the Northwest Florida coast early Thursday morning. The center of the storm moved ashore at 0920 CST along Santa Rosa Island along Highway 399 between the National Seashore Day Use Center and the west end of Navarre Beach. Erin then moved across the city of Pensacola and moved into Baldwin County Alabama near Interstate 10 and the Perdido River. As Erin moved through Northwest Florida, trees and power lines were blown down and many homes were damaged. Preliminary damage estimates were \$230 million. More than 2,000 homes were damaged and the power companies estimated that 63 percent of their customers were without power. Crops also suffered damage with about half of the cotton and 20 to 25 percent of the Pecan crop damaged. Erin had a broad eye (around 15 miles) as it moved ashore. Most of the damage from the storm occurred on the east side of the storm. At least four tornadoes were reported from the storm. Most of the tornadoes were short lived. The center of a hurricane had not moved across									



# Storm Data and Unusual Weather Phenomena

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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	
<p>the Pensacola area since 1926. Highest wind speeds measured as Erin moved ashore were at the Pensacola Naval Air Station where a sustained wind of 63 mph with gusts to 101 mph were recorded. Other wind speeds across Northwest Florida were 80 mph with gusts to 97 mph at Hurlburt Field in Mary Esther. Whiting Field (Navy) in Milton 50 mph with gusts to 58 mph and around the Pensacola Regional Airport 71 mph with gusts to 90 mph. Highest storm surge was just east of where the storm moved ashore (west part of Navarre Beach) and was six to seven feet. Storm surge along Pensacola Beach was three to four feet. The most rainfall was in the Mary Esther area where about four inches of rain fell in a twenty-four hour period. Milton had 3.76 inches of rain and Pensacola had 2.19 inches. Lowest sea level pressure was at Pensacola Naval Air Station where 976 mb was recorded.</p>									
<b>Okaloosa County Hurlburt Field</b>	03	0815CST	.1	25	0	0	3K	0	<b>Tornado (F0)</b>
A tornado briefly touched down on Hurlburt Field Air Force Base in Mary Esther. Several trees were blown down. The tornado was spawned ahead of Hurricane Erin.									
<b>Okaloosa County Mary Esther</b>	03	0900CST	.1	25	0	0	3K	0	<b>Tornado (F0)</b>
A tornado briefly touched down in the city of Mary Esther. Several trees were blown down. The tornado was spawned ahead of Hurricane Erin.									
<b>Escambia County Pensacola Beach</b>	03	0900CST	.1	25	0	0	20K	0	<b>Tornado (F0)</b>
A tornado damaged a house on Pensacola Beach. The tornado was spawned just ahead of Hurricane Erin.									
<b>Santa Rosa County Navarre Beach</b>	03	0910CST	.1	25	0	0	20K	0	<b>Tornado (F0)</b>
A tornado spawned by Hurricane Erin damaged a house on Navarre Beach. No one was injured.									
<b>Escambia County Pensacola</b>	03	2255CST			0	0	0	0	<b>Thunderstorm Winds</b>
Pensacola Naval Air Station (Southwest of Pensacola) reported wind gusts to 64 mph.									
<b>Escambia County Pensacola</b>	16	1635CST			0	0	27.5K	0	<b>Waterspout</b>
A waterspout developed in Bayou Grande (near the Pensacola Naval Air Station) then moved into Pensacola Bay before dissipating. The Waterspout damaged some boats at a marina. Estimated damage was between \$25 and 30 thousand.									
<b>GEORGIA, North and Central</b>									
<b>Richmond County 20 SW Augusta</b>	02	0600EST			0	1	?	0	<b>Lightning</b>
<b>GEORGIA, North and Central Cont'd</b>									
<b>Telfair County McCrea</b>	03	1430EST			0	0	200	0	<b>Thunderstorm Winds</b>
Thunderstorm winds knocked down small trees and blew off limbs.									
<b>Houston County Warner Robins Perry</b>	03	1500EST			0	0	?	0	<b>Thunderstorm Winds (G56)</b>
	03	1505EST			0	0	300	0	<b>Thunderstorm Winds</b>
Warner Robins Air Force Base reported a wind gust of 56 knots. Thunderstorm winds knocked down power lines in Perry.									
<b>Crawford County 15 E Roberta</b>	03	1515EST			0	0	800	0	<b>Thunderstorm Winds</b>
Thunderstorm winds knocked down large trees. Some fell on power lines resulting in power outages.									
<b>Twiggs County Jeffersonville</b>	03	1520EST			0	0	400	0	<b>Thunderstorm Winds</b>
Thunderstorm winds knocked down several trees on the east side of town.									
<b>Bibb County Macon</b>	03	1525EST- 1625EST			0	0	1K	0	<b>Thunderstorm Winds</b>
Thunderstorm winds blew down several large trees on the south side of the city. Power lines were also downed.									
<b>Monroe County Smarr</b>	03	1530EST			0	0	300	0	<b>Thunderstorm Winds</b>
Thunderstorm winds knocked down a couple of trees onto power lines, resulting in power outages.									
<b>Harris County Waverly Hall</b>	03	1533EST- 1550EST			0	0	500	0	<b>Thunderstorm Winds</b>
<b>Hamilton</b>	03	1542EST			0	0	500	0	<b>Thunderstorm Winds</b>
Thunderstorm winds knocked several large trees down.									
<b>Butts County Jackson</b>	03	1535EST			0	0	300	0	<b>Thunderstorm Winds</b>
Thunderstorm winds knocked down a couple of trees.									
<b>Lamar County Barnesville</b>	03	1545EST			0	0	450	0	<b>Thunderstorm Winds</b>
Thunderstorm winds knocked down three trees.									
<b>Talbot County Woodland</b>	03	1550EST			0	0	800	0	<b>Thunderstorm Winds</b>
Thunderstorm winds knocked down trees and power lines.									
<b>Upson County Atwater</b>	03	1550EST			0	0	800	0	<b>Thunderstorm Winds</b>
Thunderstorm winds knocked down trees and power lines.									

# Storm Data and Unusual Weather Phenomena

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<b>Pike County Concord</b>	03	1555EST			0 0	300 0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down a couple of trees.
<b>Twiggs County 3 N Jeffersonville</b>	03	1609EST			0 0	400 0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down two large trees.
<b>Henry County 6 E Hampton Hampton McDonough</b>	03	1615EST			0 0	200 0	<b>Thunderstorm Winds</b>
	03	1640EST			0 0	300 0	<b>Thunderstorm Winds</b>
	03	1640EST			0 0	300 0	<b>Thunderstorm Winds</b> Thunderstorm winds blew down a large tree east of Hampton and knocked power lines down in Hampton and McDonough.
<b>Fayette County 3 NW Starrs Mill 5 W Hampton</b>	03	1625EST			0 0	100 0	<b>Thunderstorm Winds</b>
	03	1625EST			0 0	100 0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down a pine tree near Starrs Mill and Bradford pear tree west of Hampton.
<b>Coweta County Moreland Newnan</b>	03	1630EST			0 0	500 0	<b>Thunderstorm Winds</b>
	03	1645EST			0 0	2K 0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked power lines down. In Newnan, a three-foot diameter limb was blown down and the flag pole at the Municipal Building was blown over at a sharp angle.
<b>Jasper County 10 NW Monticello</b>	03	1645EST			0 0	500 0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down a large tree and large limbs.
<b>Cobb County 8 NE Smyrna</b>	03	1650EST			0 0	250 0	<b>Thunderstorm Winds (G55)</b> Thunderstorm winds gusted to 55 kt and split an eight-inch diameter pine tree in half.
<b>GEORGIA, North and Central Cont'd</b>							
<b>Carroll County Carrollton</b>	03	1655EST			0 0	300 0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down a large tree and several large limbs.
<b>Fulton County East Point</b>	03	1700EST			0 0	500 0	<b>Thunderstorm Winds</b> Thunderstorm winds blew power lines down.
<b>Paulding County 5 N Dallas</b>	03	1730EST			0 0	2K 0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked two large trees down on power lines causing power outages to 1,087 customers.
<b>Fulton County Atlanta</b>	03	1735EST			0 0	500 0	<b>Thunderstorm Winds</b> Thunderstorm winds blew several trees down.
<b>Cherokee County Woodstock</b>	03	1749EST			0 0	500 0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down several trees along Highway 92.
<b>Cobb County Kennesaw</b>	03	1750EST			0 0	8K 0	<b>Thunderstorm Winds</b> Thunderstorm winds blew campers over on Highway 41.
<b>Laurens County Dublin</b>	07	1600EST- 1700EST			0 0	2K 0	<b>Thunderstorm Winds</b> Thunderstorm winds blew down many trees countywide.
<b>Coastal Chatham, Bryan, Liberty, McIntosh Counties</b>	14 15				0 0	? ?	<b>Flood</b> Minor coastal flooding and beach erosion occurred as Hurricane Felix moved northward just off the Atlantic Coast.
<b>Colquitt County Berlin</b>	15	1630EST			0 0	1K 0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down numerous trees and power lines.
<b>Brooks County New Rock Hill</b>	15	1640EST			0 0	800 0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down trees in the north part of the county. More trees were downed in the southern part of the county around 1700.
<b>Washington County Sandersville</b>	18	1745EST			0 0	2K 0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked trees down on power lines on north and south side of town resulting in power outages.
<b>Camden County Woodbine</b>	19	1345EST			0 0	800 0	<b>Thunderstorm Winds</b> Thunderstorm winds downed several trees on power lines.
<b>Dawson County 2 E Dawsonville</b>	19	1727EST			0 0	? ?	<b>Hail (0.75)</b>

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>Fulton County Atlanta</b>	<b>19</b>	<b>1845EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm winds knocked down numerous trees all over the city, including some which were very old and very large. Trees or limbs fell on more than 200 power lines. A tree also fell on an older automobile in Peachtree Hills.
<b>Habersham County Batesville</b>	<b>19</b>	<b>2230EST</b>			<b>0</b>	<b>0</b>	<b>8000</b>		<b>Thunderstorm Winds</b>
									Thunderstorm winds blew down several trees and some power lines were downed.
<b>Fulton County Atlanta</b>	<b>20</b>	<b>0014EST</b>			<b>0</b>	<b>0</b>	<b>1.7M</b>	<b>0</b>	<b>Heavy Rain</b>
									Heavy rains from thunderstorms ponded on the roof of the Georgia Dome causing four teflon-coated fiberglass panels to collapse under the weight of the water.
<b>Chatham County Southern Half</b>	<b>24</b>	<b>1300EST 1630EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flash Flood</b>
									Bands of heavy rain from remnants of T.S. Jerry had already dumped two to four inches of rain overnight. As each additional band moved across, flash flooding developed. Several feet of water covered many roads in the southern half of the county making them impassable.
<b>Chatham County Countywide</b>	<b>25</b>	<b>0815EST 1345EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flash Flood</b>
									Additional heavy rain from T.S. Jerry dumped here to five inches of rain, causing roads to become impassable due to significant amount of water flowing across roads and highways.
<b>Liberty County Countywide</b>	<b>25</b>	<b>1030EST 1330EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flash Flood</b>
<b>GEORGIA, North and Central Cont'd</b>									
									Water was on roadways and several roads were washed out.
<b>Bryan County Chatham County Long County Liberty County McIntosh County</b>	<b>25</b>	<b>1500EST 2000EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flash Flood</b>
									More bands of rain from remnants of T.S. Jerry moved ashore causing flash flooding. Numerous roads were closed and washed out.
<b>Toombs County</b>	<b>25</b>	<b>1900EST 2000EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood</b>
									Big "ponds" and large "lakes" of water one foot deep were on State Roads 292 and 56. Some dirt roads were washed out also.
<b>Bulloch County Effingham County Screven County</b>	<b>25</b>	<b>2030EST 2330EST</b>			<b>0</b>	<b>0</b>	<b>1.5M</b>	<b>?</b>	<b>Flash Flood</b>
									Water covered roads throughout the area and washed out dirt roads. In Effingham County, approximately 50 homes had from one foot up to four feet of water in them. Fort Howard Paper Company in Effingham County had their generators in their basement which was flooded. Estimated damage to the generators was 1.0M with another 540K to the infrastructure in the county.
<b>Montgomery County Mt Vernon</b>	<b>25</b>	<b>2030EST 2130EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood</b>
									Water two to three feet deep covered Highway 221 north and south of Mt Vernon as well as in town. Highway 135 in southern Montgomery County also had two to three feet of water on it.
<b>Bryan County Chatham County Long County McIntosh County</b>	<b>25</b>	<b>2105EST 2300EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood/Flash Flood</b>
									Additional rainfall on already saturated grounds led to more flash flooding in some areas and flooding in other areas. The head wall of a bridge was damaged in Long County.
<b>Laurens County</b>	<b>25</b>	<b>2120EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood</b>
									Highways 441 and 117 in the southern part of the county were closed due to six to eight inches of water on them.
<b>Screven County Effingham County</b>	<b>26</b>	<b>0004EST 0400EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood/Flash Flood</b>
									Water continued to wash out roads and make others impassable. Water was up to headlights in the Sylvania area. Several trees were down. A church had 12 inches of water inside.
<b>Chatham County Savannah</b>	<b>26</b>	<b>0230EST 0500EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood/Flash Flood</b>
									Water in residences forced 72 residents to evacuate. Eighteen homes had minor damage and five homes sustained major damage. Eighty roads, streets, and intersections were closed with varying degrees of damage. The remnants of Tropical Storm Jerry produced 10 to 14 inches of rain across the southeastern counties of Georgia from August 24 through August 27. The heavy rain produced flash flooding, coastal flooding at times of high tide, and river flooding afterwards. Total damage over the area is estimated at 3.5M.
<b>Hart County</b>	<b>27</b>	<b>0138EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood</b>

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Some flooding of roads was reported by the county sheriff.									
<b>Habersham County</b>	27	0600EST			0	0	?	?	<b>Flood</b>
	Road flooding and bridges under water were reported on East Glade Road, Wilbanks Road, and Creasy Hatch Road.								
<b>GEORGIA, Southeast</b>									
<b>Effingham County &amp; Screven County</b>	25	2030EST			0	0	2.0M	0	<b>Flash Floods</b>
	Water covered roads throughout both counties and washed out dirt roads. In Effingham County, fifty (50) homes had from one foot up to four feet of water in them. Fort Howard Paper County in Effingham County had generators in their basement which was flooded. Estimated damage to the generators was \$1 million with another \$540 thousands to infrastructure in Effingham County.								
<b>GEORGIA, Lower</b>									
<b>Camden County Woodbine</b>	19	1545EST			0	0	1.5K	0	<b>Thunderstorm Winds</b>
	Several large trees and power lines blown down.								
<b>GEORGIA, Lower Cont'd</b>									
<b>Camdon County</b>	25	0100EST-0600EST			0	0	50K	0	<b>Flood</b>
	Heavy rainfall associated with Hurricane Jerry produce flooding in Woodbine and south of White Oak. Numerous reports of washed out and impassable roads.								
<b>Glynn County</b>	25	1700EST-2100EST			0	0	25K	0	<b>Flood</b>
	Heavy rain from Hurricane Jerry produce widespread flooding across the entire county. In downtown Brunswick, L street and Highway 241 were impassable.								
<b>Wayne County</b>	25	1700EST-2100EST			0	0	250K	0	<b>Flood</b>
	Heavy rain associated with Hurricane Jerry produced more than 10 inches of rainfall in two days. Widespread occurred flooding across the entire county. More than 30 roads were impassable or washed out. Four homes were also damaged.								
<b>GEORGIA, Southwest</b>									
<b>Colquitt County Berlin</b>	15	1630EST			0	0	2k	0	<b>Thunderstorm Wind</b>
	The sheriff's office reported several trees and power lines were blown down.								
<b>Brooks County</b>	15	1640EST			0	0	1.5k	0	<b>Thunderstorm Wind</b>
	The sheriff's office reported nine trees and a few power lines were blown down across the county.								
<b>Mitchell County 6S Camilla</b>	19	1626EST			0	0	.2k	0	<b>Thunderstorm Wind</b>
<b>10W Camilla</b>	19	1643EST			0	0	.5k	0	<b>Thunderstorm Wind</b>
	Trees and power lines down, reported by sheriff's office								
<b>Grady County 3N Cairo</b>	19	1625EST			0	0	.1k	0	<b>Thunderstorm Wind</b>
	Sheriff's office reported several trees blown down.								
<b>Thomas County Thomasville</b>	19	1700EST			0	0	2k	0	<b>Thunderstorm Wind</b>
	County emergency management reported several trees and power lines down.								
<b>Decatur County Northern section</b>	19	1700EST			0	0	2k	0	<b>Thunderstorm Wind</b>
	The sheriff's office reported numerous power lines and trees were down.								
<b>Miller County Northwest section</b>	19	1802EST			0	0	.5k	0	<b>Thunderstorm Wind</b>
	Sheriff's office reported several trees blown down across Spring Head Rd.								
<b>IDAHO, Southwestern</b>									
<b>Custer County 15 NW Mackay</b>	03				0	0	0	0	<b>Heavy Rain</b>
	Highway 93 was closed due to six inches of water flowing across several sections of the highway. A dry streambed leading from Leatherman Peak was also wettened by the rain.								
<b>Bear Lake County Paris</b>	04	1540MST-							
	04	1600MST			0	0	3	0	<b>Lightning</b>
<b>Bannock County Pocatello</b>	04				0	0	4	0	<b>Lightning</b>
	Lightning sparked fires in Southeast Idaho. One fire occurred in Paris and two fires occurred in Pocatello threatening some homes on the West bench. All fires were contained quickly.								

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<b>Elmore County</b> 3 N Trinity Lakes	06	1400MST			0	0	4	0	Lightning
In Elmore County lightning started an 800 acre fire three miles north of Trinity Lakes.									
<b>Bingham County</b> Shelley/Firth Aberdeen	06	1500MST			0	1	3	0	Thunderstorm Winds (G60)
	06	1520MST-							
	06	1700MST			0	0	3	0	Thunderstorm Winds (G58)
A thunderstorm in the Shelley Firth area produced 60 mph winds uprooting trees and breaking power lines. One 10-year-old boy was hit by a falling tree branch. In Aberdeen winds caused damage to several roofs and a power outage lasted for several hours.									
<b>Cassia County</b> Heyburn	06	1600MST-							
	06	1700MST			0	0	4	0	High Winds
<b>IDAHO, Southwestern Cont'd</b>									
High winds in Heyburn caused \$50 thousand in damage to a grain bin.									
<b>Bonneville County</b> Ammon	17	0500MST-							
	17	1700MST			0	0	5	0	Lightning
Lightning struck a condo complex in Ammon causing over \$200 thousand in damage. The fire took several hours to contain.									
<b>Jerome County</b> 5 N Jerome	21	1000MST			0	0	4	0	Lightning
<b>Lincoln County</b> Nr SE Dietrich	21	1000MST-							
	21	1800MST			0	0	3	4	Lightning
Several range fires were started by lightning in the Magic Valley. The largest was 280 acres that burned just southeast of Dietrich. This fire destroyed a grain field. The next largest was 250 acres five miles north of Jerome.									
<b>Boise County</b> 3 W Lowman	22	1630MST-							
	22	1730MST			0	0	3	0	Heavy Rain
Heavy rain caused a rockslide on the road at Deadwood Turnoff on Lowman-Garden Valley Road. The road was closed until 2130LST.									
<b>Elmore County</b> 35 NE Boise	22	1800MST-							
	22	2100MST			0	0	6	0	Flash Flood
Heavy rains caused a wall of water, rocks, and mud to flow down Robert E Lee Creek, Trapper Creek and Wren Creek into the North Fork of the Boise River or about 40 miles to the northeast of Boise. The Boise River changed its course where each creek flowed into the river forcing the Boise River over the adjacent road near Trapper creek and Robert E Lee creek and significantly under-washing the road near Wren Creek. The diversion sent water into a campground covering several vehicles half full. No injuries occurred due to advance warning.									
<b>Twin Falls County</b> 6 S Rogerson	22	1830MST-							
	22	2130MST			0	0	3	0	Heavy Rain
Nearly two inches of rain fell in two hours six miles south of Rogerson. Several driveways sustained running water.									
<b>Oneida County</b> Malad	23	1430MST			0	0	3	0	Heavy Rain
<b>Bannock County</b> 7 NW Malad	23	1625MST			0	0	0	0	Heavy Rain
<b>Bannock County</b> Nr Pocatello	23	1400MST			0	0	0	0	Flash Flood
<b>Crystal</b>	23	1500MST			0	0	0	0	Heavy Rain
<b>Pocatello</b>	23	1520MST			0	0	0	0	Heavy Rain
<b>Arimo to Robin</b>	23	1600MST-							
	23	1800MST			0	0	0	0	Heavy Rain
Heavy rains fell in Oneida and Bannock Counties. In the Malad community, flooding occurred in the Daniels area as well as along Alkom Creek Road. Debris was found in 18 places along a six mile stretch. All fences along the stretch had been washed out. Near Pocatello nearly an inch of rain (0.91") fell in 45 minutes at Fort Hall Mine Canyon. In Bannock County eight miles east of Pocatello two inches of rain fell in one hour. In Crystal areas of localized flooding occurred while from Arimo to Robin several creek beds were flooded from heavy rains lasting only an hour.									
<b>Bannock County</b> 2 NE Pocatello	24	1020MST			0	0	0	0	Heavy Rain
<b>Pocatello</b>	24	1115MST			0	0	0	0	Heavy Rain
<b>Caribou County</b> 5 W Chesterfield	24	1230MST			0	0	0	0	Heavy Rain
<b>Power County</b> Rockland	24	1250MST-							
	24	1400MST			0	0	0	0	Hail (0.75)
Heavy rains hit the Pocatello area once again. Two miles northeast of Pocatello .40" fell in 20 minutes and in Pocatello .55" fell in 30 minutes. These rains flooded the Center Street underpass causing damage to the city landfill. Later 1.6" fell in one hour in Rockland. Another severe thunderstorm produced .75" hail almost two inches deep along Toponce Canyon road five miles west of Chesterfield.									
<b>Fremont County</b> St. Anthony	25	1530MST-							

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					Killed	Injured	Property	Crops	
	25	1630MST			0	0	0	0	Hail (1.00)
	A few locations in St. Anthony received hail. Hailstones ranged from .75" to 1.00" in size.								
<b>ILLINOIS, Northeast</b>									
Livingston, La Salle, Grundy, Will Kankakee Counties	04	1210CST- 1440CST					0	0	Funnel Clouds
	There were numerous funnel clouds spotted by law enforcement agencies, fire fighters and others during the afternoon. The first sightings were in northeast Livingston and southwest Will Counties, north of Pontiac and near Braidwood and later in								
<b>ILLINOIS, Northeast Cont'd</b>									
	southern La Salle County near Seneca and south of Marseilles. None of them touched down and there was no damage or severe weather reported.								
Kendall County 4 E Lisbon	05	1515CST			?	?	0	0	Funnel Cloud
	There were several reports of a funnel cloud near Routes 47 and 52.								
Cook County	06	1515CST- 1700CST			?	?	0	0	Urban Flood
	Slow moving thunderstorms formed along the lake breeze and dumped heavy rain on northwest Cook County. A cooperative observer in Streamwood measured 2.65 inches of rain in 50 minutes between 1650 and 1740. Doppler radar estimated that 3.5 inches of rain fell just north of Streamwood, near South Barrington. The rain caused considerable street flooding.								
Lake County Round Lake Beach Highwood Cook County Northbrook	09 09	0810CST 1330CST			?	1	0	0	Lightning
	Lightning struck the bell tower of a church in Highwood. She was on the phone in the building when lightning knocked her across the room. The roof of the building was damaged. A 14-year-old boy was cutting the grass in Northbrook. His father told him to stop and wait in the car. The boy waited under a tree instead. He was struck by lightning and went into a coma. He died in the hospital three days later. M14UT.								
La Salle County 4 N Marseilles Wedron La Salle and Peru	09 09	1450CST 1453CST	.2	20	?	?	0	?	Tornado (F0) Hail (1.75)
La Salle County Grundy County Seneca to 3 E Seneca La Salle County 3 N Mendota Peru	09 09	1510CST 1614CST			?	?	?	?	Thunderstorm Winds Hail (1.00) Thunderstorm Winds Thunderstorm Winds
	Severe thunderstorms developed across Lee, La Salle and Grundy Counties in the mid to late afternoon. Funnel clouds were sighted near Wedron and a tornado was reported north of Marseilles but there was no report of damage from the tornado. The storm also dropped large hail at Wedron and Seneca. Trees and limbs were blown down in and around Seneca and in Marseilles. Another storm produced large hail in western La Salle County in the La Salle-Peru area. Another storm developed at the Lee-La Salle County line. Corn was flattened north of Mendota. The storm built southward and later damaged an air conditioner and the roof of a JC Penney store at a mall in Peru.								
Cook County	11 14	1100CST- 1900CST			27	?	0	0	Heat
	High temperatures in Chicago were in the middle 90s and lows were in the middle to upper 70s for 4 days in mid August. Minimum temperatures of 77 and 79 on the 13th and 14th were record high minimums for Chicago. Humidity was high and sunshine was 85% of possible or more on each of the four days in the period. Twenty seven deaths were attributed to this heat wave. Seven occurred in suburban Cook County and the other 20 were in Chicago. Heat was the primary cause of death in 10 cases. It was the secondary cause in the other 17. On the 11th a 17-year-old high school football player collapsed during practice. He received a liver transplant on the 14th but died on the 26th. The other deaths occurred in homes or apartments. The number of injuries will be added when information becomes available. M37PH, M69PH, F98PH, M80PH, M67PH, M45PH, M35PH, M44PH, M81PH, M74PH, F71PH, F84PH, M48PH, M78PH, M68PH, F77PH, M41PH, F81PH, M66PH, F70PH, F41PH, M65PH, F77PH, M17BF, M70PH, F46PH, F75PH.								
Cook County Cicero Winnebago County Rockton and Roscoe	15 16	1035CST 1930CST- 2230CST			?	?	0	0	Hail (1.75) Small Stream/Urban Flood
	Heavy rain caused small streams to overflow their banks. There was significant street flooding a two subdivisions were cut off.								
Ford County Elliot	19	1615CST			?	?	?	?	Thunderstorm Winds
	Winds blew down tree limbs and power lines.								
Mc Henry County Mc Henry Lake County	28	0915CST			?	?	?	?	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
Lindenhurst	28	0925CST			?	?	?	0	Thunderstorm Winds (G52)
Lake Forest	28	0945CST			?	?	2K	0	Thunderstorm Winds
Deerfield	28	0950CST			?	?	?	0	Thunderstorm Winds
Cook County									
Northbrook	28	0955CST			?	?	?	0	Thunderstorm Winds

Tree limbs and power lines were downed in northeast Mc Henry County. Lindenhurst Police reported a 60 mph wind gust.

## ILLINOIS, Northeast Cont'd

Tree limbs were blown down at Deerfield and Northbrook. A large window was blown out at the Tollway Oasis at Lake Forest. A large tree was blown down at Prospect Heights. **No report available for sd9508.CIL**

## ILLINOIS, Southern

### Hamilton County Countywide

09 2200EST 0 0 10K 0 Flash Flood  
Very heavy rainfall occurred with slow-moving thunderstorms. State Highway 142 and several county roads were under water during the height of the storms. Rainfall rates were estimated around two inches per hour over much of the county. Three-hour rainfall totals were estimated near five inches over some parts of the county.

### Southern IL ILZ081-082- 084-085-086-088>094

10- 0 1 0 0 HEAT WAVE

Temperatures climbed well into the 90s with heat indices peaking around 115 degrees on some afternoons. This resulted in severe heat stress to livestock and crops. Many schools dismissed students early in the afternoon, and extra water coolers were brought in by some schools. At least one heat-related illness occurred at an elementary school. A student in Frankfort fainted after an outdoor recess, but she was not taken to a hospital.

### Jackson County 5 W Murphysboro

19 1600EST .25 25 0 0 0 0 Tornado (F0)  
A funnel cloud developed over Kinkaid Lake near the junction of Illinois Highways 3 and 149. It was witnessed by dozens of people at the popular recreation area, including several police officers. Videotape of the funnel cloud was televised by a local television station. The very narrow, rope-like funnel briefly touched down in a forest. No damage was reported. The funnel developed in association with a very rapidly intensifying thunderstorm. The funnel dissipated after the storm cell reached the mature stage.

## ILLINOIS, Southwestern

### Jersey County

04 1415CST-  
1545CST 0 0 .4K 0 Flash Flood  
Flash flooding was reported over some county and secondary roads by the county sheriff across eastern sections of the county. Over three inches of rain fell in just under two hours when slow moving thunderstorms crossed the area.

### Madison County 10 W Fredericktown

08 1750CST-  
1915CST 0 0 .3K 0 Flash Flood  
A nearly stationary thunderstorm produced four to five inches of rain which led to flash flooding along Highway 72.

### ILZ049-058>060- 064>066-069-070- 074-075-079-080- 095>102 Southwest and West Central Illinois

09 1300CST-  
24 0600CST 2 97 0 .2M Heat

A heat wave developed during most of middle August with high temperatures near the 100 degree mark and heat indices over 110. Two deaths were attributed to the heat in the St. Louis metro area, with many more people suffering from heat related illnesses. Area crops also suffered greatly from the hot and dry weather. M44P, F88P

### Effingham County Altamont

09 1935CST 0 0 .2K 0 Thunderstorm Winds  
The Illinois State Police reported large trees down.

### Fayette County Vandalia

09 2000CST 0 0 .3K 0 Thunderstorm Winds  
A local newspaper reported several large trees down along with power lines.

### Marion County Salem

09 2012CST 0 0 .4K 0 Thunderstorm Winds  
The county sheriff's department reported trees and power lines down.

### Jefferson County Dix Mt. Vernon

09 2020CST 0 0 .2K 0 Thunderstorm Winds  
09 2035CST 0 0 .2K 0 Thunderstorm Winds  
The Illinois State Police reported large trees near the Jefferson-Marion County line with more large trees knocked down in Mt. Vernon some 15 minutes later.

### Jefferson County Salem

09 2100CST-  
2330CST 0 0 .3K 0 Flash Flood  
County officials reported widespread flash flooding in and around Salem after several inches of rain fell.

### Marion County

09 2100CST-  
2330CST 0 0 .2K 0 Flash Flood  
Many secondary roads were closed due to flash flooding.

### Calhoun County

10 0320CST-  
0530CST 0 0 .2K 0 Flash Flood  
Flash flooding was reported by county officials across mainly northern sections of the county.

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property - Crops	Character of Storm	
					Killed	Injured			
<b>ILLINOIS, Southwestern Cont'd</b>									
<b>Adams County</b> Baldwin Field (UIN)	16	1335CST			0	0	0	0	<b>Thunderstorm Winds (G60)</b> A wind gust to 71 mph was reported at Baldwin Field east of Quincy.
<b>ILLINOIS, Northwest</b>									
<b>Henry County</b> Kewanee	08	1500CST			0	0	1K	0	<b>Lightning</b> A large evergreen tree in Kewanee was struck by a bolt of lightning, head on, stripping it to the ground turning it into kindling. Thunderstorms south of this area produced minor street flooding and wind gusts to 55 mph in Macomb, Illinois.
<b>Jo Daviess County</b> 5 SE Stockton	09	1555CST			0	0	0	0	<b>Hail (0.75)</b>
<b>Bureau County</b> Princeton	09	1605CST			0	0	0	0	<b>Hail (1.75)</b>
<b>Stephenson County</b> 1 E Loran	09	1613CST			0	0	0	0	<b>Hail (1.00)</b>
<b>Whiteside County</b> Morrison	09	1643CST			0	0	2K	0	<b>Thunderstorm Winds (G60)</b>
<b>Carroll County</b> Mount Carroll	09	1650CST			0	0	0	0	<b>Hail (0.80)</b>
<b>Whiteside County</b> Sterling	09	1710CST			0	0	5K	0	<b>Thunderstorm Winds</b>
<b>Rock Island County</b> Rock Island	09	1744CST			0	0	0	0	<b>Thunderstorm Winds</b>
<b>Rock Island</b>	09	1800CST			0	0	0	0	<b>Thunderstorm Winds</b>
<b>Henry County</b> Kewanee	09	1815CST			0	0	2K	0	<b>Thunderstorm Winds</b>
<b>Henry County</b> Galva	09	1835CST			0	0	0	0	<b>Hail (0.75)</b>
<b>Mercer County</b> 8 SE Viola	09	1920CST			0	0	0	0	<b>Hail (0.75)</b> Evening thunderstorms produced brief downpours and isolated areas of damage across northwest Illinois. Commonwealth Edison of Sterling reported power outages began at around 1600 CST. Power to the local hospital was lost at around 1700 CST. Numerous trees were down plus minor street flooding. At around 1800 CST 1.5 inches of rain had fallen in a one hour period at Kewanee. This contributed to minor street flooding and stalled cars. Nine hundred residents were reported to be without power after the storm. Some power outages were also reported in Freeport but no damage estimates were provided.
<b>McDonough County</b> Good Hope	15	1400CST			0	0	1K	0	<b>Thunderstorm Winds</b> Two power poles were knocked down by high winds. Scattered power outages were also reported in Macomb.
<b>INDIANA, Central</b>									
<b>Owen County</b>	07	0700EST- 1100EST			0	0	50K		<b>Flash Flood</b>
<b>Monroe County</b>	07	0830EST- 1145EST			0	0	100K		<b>Flash Flood</b> Rainfall of three to six inches within a two hour period resulted in flash flooding across parts of Monroe and Owen Counties. Numerous roads were flooded and closed. In Owen County a bridge near Whitehall was washed out, and extensive urban flooding occurred in Spencer. In Monroe County, the flooding forced the evacuation off 70 to 80 homes in Ellettsville. State Route 46 between Bloomington and Spencer was closed for several hours as water five to nine feet deep covered various parts of the road.
<b>Decatur County</b>	07	1500EST- 1830EST			0	0	10K		<b>Flash Flood</b> Rainfall of up to five inches resulted in flash flooding across parts of Decatur County. Several county roads and three bridges had to be closed.
<b>INZ071- Jackson County</b>	08- 09	0700EST- 1800EST			0	0	0	.7M	<b>Flood</b> Flooding along the East Fork of the White River in Jackson County damaged over 2,000 acres of crops.
<b>INZ026-027-034 Northeast Indiana</b>	09- 12	0700EST- 1800EST			0	0	0	1.1M	<b>Flood</b> Near record flooding occurred along the upper Wabash River. About 150 people were evacuated from migrant camps in the Geneva area on the 9th.
<b>Owen County</b> 3 ENE Spencer	09	1530EST			0	0	0	0	<b>Hail (0.75)</b>
<b>INDIANA, Central Cont'd</b>									
<b>Monroe County</b>	09	1600EST			0	0	2K	0	<b>Thunderstorm Winds</b> Power lines were downed.



# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Owen County Gospport</b>	<b>09</b>	<b>1610EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Numerous trees were downed.									
<b>Owen County Spencer</b>	<b>09</b>	<b>1615EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Marion County</b>	<b>09</b>	<b>1700EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Trees were downed in the southern part of the county.									
<b>Tippecanoe County Lafayette</b>	<b>09</b>	<b>1715EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Trees were downed near McCutcheon High School.									
<b>Tippecanoe County</b>	<b>09</b>	<b>1730EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Trees and power lines were downed across the county.									
<b>Greene County Bloomfield</b>	<b>09</b>	<b>1730EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Lightning</b>
Lightning struck a house and left a hole in the roof. The lightning also damaged a TV and a computer.									
<b>INZ007&gt;009,017,018 021&gt;089</b>	<b>12- 21</b>	<b>1200EST- 2200EST</b>			<b>1</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
Heat wave conditions initially developed over southwest Indiana on the 12th then overspread all but northwest Indiana for the remainder of the week. Heat wave conditions ended across the north and central sections on the 19th and over the south by the 21st. High temperatures were in the 90s throughout the period and near 100 across the south. High humidity also yielded Heat Index values between 100 and 115 degrees most of the week. These extreme conditions resulted in a heat stroke and death of an elderly male. The Indiana State Fair lost over \$400 thousand due to low turnouts and most of Indiana crops suffered some due to the heat. M72PH									
<b>Shelby County</b>	<b>29</b>	<b>1550EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Trees were downed across the county. One tree fell on a house.									
<b>INDIANA, Northwest</b>									
<b>Fulton County</b>	<b>04</b>	<b>2130EST- 2230EST</b>			<b>?</b>	<b>?</b>	<b>0</b>	<b>0</b>	<b>Small Stream/Urban Flood</b>
Route 17 south of Kewanna and other county roads were flooded.									
<b>Porter County Chesterton and Porter</b>	<b>15</b>	<b>1243EST</b>			<b>?</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
Thunderstorms knocked down tree limbs and power lines in Porter and Chesterton.									
<b>St. Joseph County South Bend</b>	<b>15</b>	<b>1415EST</b>			<b>?</b>	<b>?</b>	<b>0</b>	<b>0</b>	<b>Urban Flood</b>
1.32 inches of rain fell in 15 minutes causing street flooding.									
<b>St. Joseph County Mishawaka</b>	<b>16</b>	<b>1800CST- 2100CST</b>			<b>?</b>	<b>?</b>	<b>0</b>	<b>0</b>	<b>Small Stream/Urban Flood</b>
As much as six inches of rain fell in the northern part of the county flooding roads. In Mishawaka many roads, viaducts and basements were flooded.									
<b>Cook County Stickney and Berwyn</b>	<b>28</b>	<b>1020CST</b>			<b>?</b>	<b>?</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Winds knocked down large tree limbs onto a parkway and sidewalk at Stickney. In Berwyn, two trees toppled over, one landed on the roof of a house. Another tree branch fell on a house and a van.									
<b>INDIANA, Northeast</b>									
<b>Jay County</b>	<b>08</b>	<b>0800EST</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
A 74-year-old female drowned when her car was swept off a bridge and into a flooded field at County Road 550E and 400 N in Northeast Jay County.									
<b>Adams County</b>	<b>09</b>	<b>0800EST- 2100EST</b>			<b>0</b>	<b>0</b>	<b>0.02M</b>	<b>9K</b>	<b>River Flood</b>
Approximately, 150 migrant workers were evacuated along the Wabash River at Geneva. The River flooding produced some damage to property in the Geneva area.									
<b>Jay County</b>	<b>17</b>	<b>1430EST- 1800EST</b>			<b>0</b>	<b>0</b>	<b>0.03M</b>	<b>.04K</b>	<b>Flash Flood</b>
Heavy rains across Northern Jay County produced flooding of a number county roads, farmlands and of some property. The town of New Corydon was isolated for a brief time with all roads to the town flooded.									
<b>Adams County</b>	<b>17</b>	<b>1430EST- 1800EST</b>			<b>0</b>	<b>0</b>	<b>9K</b>	<b>.10M</b>	<b>Flash Flood</b>
<b>INDIANA, Northeast</b>									
Heavy rains across Southern Adams County produced flooding of numerous roads and of crop land. Over \$100 thousand in crop damage was caused by the flooding.									
<b>INDIANA, Southeast</b>									
<b>Fayette County Connersville</b>	<b>01</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
The wall framing and roof trusses of a department store under construction were destroyed by thunderstorm winds.									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Ripley County Countywide</b>	<b>05 05</b>	<b>1940EST- 2200EST-</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Flash Flood</b>
The remnants of Hurricane Erin brought nearly four inches of rain in eight hours. This caused flooding of a few streams, roads, and low lying areas. Laughery Creek, just south of Versailles, overflowed its banks.									
<b>Fayette County Countywide</b>	<b>05 05</b>	<b>2010EST- 2200EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Flash Flood</b>
Heavy rains from the remnants of Hurricane Erin caused flooding of a few roads and small streams. In Connersville, a man attempting to cross TwinDryford Road had his car swept away by water. Although the car sustained damage, the man escaped without injury.									
<b>Ripley County North Part</b>	<b>07 07</b>	<b>1510EST- 1745EST</b>			<b>0</b>	<b>0</b>	<b>4K</b>	<b>0</b>	<b>Flash Flood</b>
Heavy rains of two to three inches fell in less than two hours on top of saturated ground. This caused flooding of numerous roads, small streams and poor drainage areas.									
<b>Franklin County Countywide</b>	<b>09 09</b>	<b>2145EST- 0145EST</b>			<b>0</b>	<b>0</b>	<b>4K</b>	<b>0</b>	<b>Flash Flood</b>
Thunderstorm rains of two to three inches fell in nearly two hours on saturated soil. This caused flooding of streams, roads, and poor drainage areas. Some evacuations took place in the southeast portion of the county due to rapidly rising waters. U.S Highway 52 was closed for short time due to high water.									
<b>IOWA, Central</b>									
<b>IAZ004&gt;011-015-019- 023&gt;030-033&gt;042-044&gt; 054-057&gt;068-070&gt;078- 081&gt;089-092&gt;099 All of Iowa</b>	<b>01 31</b>	<b>0000CST- 2400CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>.5B</b>	<b>Drought</b>
August precipitation was confined to widely scattered thunderstorm activity, which produced a wide variation of monthly rainfall amounts. The highest of these was 9.2 inches at Bondurant in central Iowa (details on that below) to .29 inches at Dubuque for the 4th driest August on record at Dubuque. Statewide rainfall distribution was highest over northwest and north central Iowa, and lowest over the south central counties. The dry weather conditions combined with well above normal temperatures translated to the warmest month recorded in Iowa since July 1988 and the 4th warmest August of record. For the summer as a whole, June through August of 1995 ranked 14th warmest in the 123 years of record. The dry conditions resulted in deterioration of Iowa's corn and soybean crops. Yield losses were greatest over southern Iowa where plantings were delayed by excessive spring rainfall. Reports indicate losses in the corn of between five and 25 bushels per acre with the greatest over the south. Soybean losses were not that great and were generally 5% or less. In dollars this translates to about \$420 million in corn and \$116 million in soybeans.									
<b>Palo Alto County</b>	<b>04</b>	<b>1253CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>40K</b>	<b>Hail (1.75)</b>
<b>Ayrshire</b>	<b>04</b>	<b>1302CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>40K</b>	<b>Hail (2.75)</b>
<b>6 S Ayrshire</b>	<b>04</b>	<b>1303CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>50K</b>	<b>Hail (2.75)</b>
<b>9E Webb</b>	<b>04</b>	<b>1313CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>30K</b>	<b>Hail (1.75)</b>
<b>4S Ayrshire</b>	<b>04</b>	<b>1313CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>30K</b>	<b>Hail (1.75)</b>
<b>Pocahontas County</b>	<b>04</b>	<b>1324CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>40K</b>	<b>Hail (4.50)</b>
<b>4 1/2 NE Laurens</b>	<b>04</b>	<b>1345CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>40K</b>	<b>Hail (4.50)</b>
<b>7 1/2 NW Laurens</b>	<b>04</b>	<b>1413CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>25K</b>	<b>Hail (1.75)</b>
<b>11 NW Pocahontas</b>	<b>04</b>	<b>1415CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>30K</b>	<b>Hail (1.75)</b>
<b>5 NW Havelock</b>	<b>04</b>	<b>1415CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>30K</b>	<b>Hail (1.75)</b>
<b>Sac County</b>	<b>04</b>	<b>1425CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>25K</b>	<b>Hail (1.50)</b>
<b>Sac City</b>	<b>04</b>	<b>1510CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>10K</b>	<b>Hail (0.88)</b>
<b>Calhoun County</b>	<b>04</b>	<b>1608CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>5K</b>	<b>Hail (0.75)</b>
<b>6 SW Lake City</b>	<b>04</b>	<b>1608CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>5K</b>	<b>Hail (0.75)</b>
<b>Carroll County</b>	<b>04</b>	<b>1608CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>5K</b>	<b>Hail (0.75)</b>
<b>4 E Lidderdale</b>	<b>04</b>	<b>1608CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>5K</b>	<b>Hail (0.75)</b>
A moist and very unstable air mass was in place across Iowa. Lifted indices were in the -12° C. range by the early afternoon hours. Surface temperatures reached the middle to upper 80s with dew point readings in the lower to middle 70s. CAPE values over northern Iowa were around 3000 J·kg <sup>-1</sup> . Convection fired up during the late morning and early afternoon hours and left a weak outflow boundary over northern Iowa. During the early afternoon hours, convection fired over northwest Iowa. When this convection reached the old outflow boundary, one cell became severe at the intersection. In spite of weak inflow winds, generally 10 kts or less, the storm quickly grew and produced golf ball to baseball-size hail over Palo Alto County. WSR-88D VIL values reached 76 Kg·m <sup>-2</sup> with this cell. Other storm fired in the areas, but did not become severe. The severe storm propagated south along its own outflow boundary. During this time the storm dropped copious amounts									
<b>IOWA, Central Cont'd</b>									
of hail. A report was received just north of Rush Lake, in Palo Alto County, of pea-size hail covering the ground to a depth of 12 inches in places. In spite of the small size of the hail, crop damage was severe with much of the crop shredded by hail. The new cell moved into northern Pocahontas County where it dropped softball-size hail. Damage was reported by these large hailstones to roofs and cars. Crop damage was also extensive. A short time later, another cell formed along the southern edge of the convective complex. It became severe and dropped only dime to quarter-size hail in spite of its VIL of 73 Kg·m <sup>-2</sup> . Following these events, the complex became too multicellular to sustain severe weather and only produced pea to marble-size hail and very heavy rains.									
<b>Eastern Pocahontas County</b>	<b>05</b>	<b>1915CST- 2100CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>5K</b>	<b>Urban Flood</b>
<b>Eastern Palo Alto County</b>	<b>05</b>	<b>1915CST- 2100CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>5K</b>	<b>Urban Flood</b>

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Property Damage	Crops	Character of Storm
<p>Thunderstorms moved into northwest and north central Iowa. These storms, though they weren't severe, produced very heavy rainfall. Around five inches of rain fell in the eastern portions of Pocahontas and Palo Alto Counties in one to two hours time. This caused local urban and lowland flooding resulting in the closure of several roads. Little damage was reported and the water receded within a few hours.</p>									
<b>Buchanan County</b>	<b>05</b>	<b>2100CST</b>			<b>0</b>	<b>1</b>	<b>20K</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b>
<b>Aurora</b>									As the storms moved and developed further east, one became severe over Buchanan County. The storm produced high winds in town. At one house a tree fell onto the house injuring a woman. She was trying to close the window when the tree crashed onto the house. She was injured slightly as the plaster fell from the wall resulting in abrasions. Several other trees were also reported down around town.
<b>Polk County</b>	<b>06</b>	<b>1530CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Clouds (2)</b>
<b>1 1/2 NE Ankeny</b>	<b>06</b>	<b>1550CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Lightning</b>
<b>Ankeny</b>									
<b>Northern Polk County</b>	<b>06</b>	<b>1700CST-1900CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>5K</b>	<b>Urban Flood</b>
<b>Southeast Story County</b>	<b>06</b>	<b>1700CST-1900CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>5K</b>	<b>Urban Flood</b>
<b>Marshall County</b>	<b>06</b>	<b>1730CST-1900CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>5K</b>	<b>Urban Flood</b>
<b>Marshall County State Center</b>	<b>06</b>	<b>1730CST</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<b>Polk County Altoona</b>	<b>06</b>	<b>1837CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>1K</b>	<b>Thunderstorm Winds (G50)</b>
<b>East Central Polk County</b>	<b>06</b>	<b>1850CST-2030CST</b>			<b>0</b>	<b>0</b>	<b>100K</b>	<b>10K</b>	<b>Flash Flood</b>
<p>An upper level system moved across Iowa during the day. The air mass was fairly unstable with deep tropical moisture in place. CAPE values were in the 1500 J-k<sup>g</sup> range. The wind field was light with winds in the lowest 2 to 3 km under 10 kts. Thunderstorms fired during the mid afternoon hours. They produced very heavy rain and small hail. One cell produced two funnel clouds just northeast of Ankeny. There was slight rotation, but little apparent threat of touchdown. During the storm, one house was struck by lightning in Ankeny. The house was damaged as it was set on fire by the strike. The main factor was the heavy rainfall. The storms were moving very slowly and formed a large cluster over central Iowa. They formed along outflow boundaries left by nearby cells. Several cell mergers occurred over northern Polk and southeast Story Counties. The area of storms moved into Marshall County after that. Rainfall in Maxwell, in southeast Story County, was reported as 4.4 inches in one hours time. Other heavy rainfall included 2.5 inches in north Ankeny in a little over an hour and 2.18 inches in an hour near State Center. Several roads were flooded. One car became trapped in the water on a highway near Maxwell due to the rapidly rising water. U.S. Highway 69 was closed for one half to one hour on the northern edge of Ankeny. Many reports of flooded roads and fields were received in the three county area. Damage was minor as waters receded quickly due to the very dry soil conditions. A short time later, a thunderstorm formed along the south edge, or inflow flank, of the original cluster. The storm grew quickly and during its life cycle got caught in the passage of the upper circulation. The storm drifted very slowly northeast while back developing, then became nearly stationary before finally drifting off to the southeast. The storm never moved faster than five MPH. During the early stages of its growth, a wet microburst occurred at Altoona. A tractor-semi trailer truck was overturned in Interstate 80 by the winds and some tree damage was also reported in a small area of town. The town of Altoona was pummeled with 4.8 inches of rain in just 45 minutes. The storm total exceeded six inches before the observers rain gage overflowed within an hour of the storm's inception. Other reports indicated rainfall of six and one-half to seven inches in the city in a 70 minute time period. Streets in the town were overtopped with two feet of water. Many basements were flooded as drainage systems were unable to handle the water. Interstate 80 was closed for a short period of time as the flood water overtopped the interstate near the Polk/Jasper County line. One lightning death occurred in Marshall County. A 57-year-old man was in a nearby field just adjacent to his house observing the thunderstorm. He was struck by lightning and died a short time later. M57OU</p>									
<b>Dubuque County</b>	<b>06</b>	<b>2030CST-</b>							
	<b>07</b>	<b>0200CST</b>			<b>0</b>	<b>0</b>	<b>50K</b>	<b>5K</b>	<b>Urban Flood</b>
<b>Delaware County</b>	<b>06</b>	<b>2030CST-</b>							
	<b>07</b>	<b>0200CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>5K</b>	<b>Urban Flood</b>
<b>Jones County</b>	<b>06</b>	<b>2030CST-</b>							
	<b>07</b>	<b>0200CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>5K</b>	<b>Urban Flood</b>
<b>Jackson County</b>	<b>06</b>	<b>2300CST-</b>							
	<b>07</b>	<b>0300CST</b>			<b>0</b>	<b>0</b>	<b>65K</b>	<b>10K</b>	<b>Flash Flood</b>
<b>IOWA, Central Cont'd</b>									
<b>Jones County</b>	<b>06</b>	<b>2300CST-</b>							
	<b>07</b>	<b>0400CST</b>			<b>0</b>	<b>0</b>	<b>65K</b>	<b>10K</b>	<b>Flash Flood</b>
<b>Jackson County Maquoketa</b>	<b>07</b>	<b>0000CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Lightning</b>
<p>Thunderstorms developed over eastern Iowa during the late evening hours. These storms, though not severe, did produce very heavy rainfall. The heavy rains caused flooding in the city of Maquoketa with water two feet deep in town. Reports from the water treatment plant in Maquoketa indicated rainfall of six and one-half to seven inches from the storm. Several county roads were washed out around the Canton area on the Jones, Jackson County line. Flooding also occurred in Dubuque, Delaware, and Jones Counties where two to three inches of rain fall in under two hours time. The flooding was mainly restricted to city streets and low lying areas. Lightning struck a house in Maquoketa around midnight. A small fire was started, causing minor damage.</p>									
<b>Marion County Pleasantville</b>	<b>08</b>	<b>0818CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>50K</b>	<b>Hail (1.75)</b>
<b>Johnson County Hills</b>	<b>08</b>	<b>0925CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>50K</b>	<b>Hail (1.75)</b>
<b>Dubuque County 5 S Dubuque</b>	<b>08</b>	<b>1000CST</b>			<b>0</b>	<b>0</b>	<b>6K</b>	<b>0</b>	<b>Lightning</b>
<b>Des Moines County</b>	<b>08</b>	<b>1030CST-1400CST</b>			<b>0</b>	<b>0</b>	<b>40K</b>	<b>5K</b>	<b>Urban Flood</b>

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Louisa County</b>	<b>08</b>	<b>1100CST-1400CST</b>			<b>0</b>	<b>0</b>	<b>40K</b>	<b>5K</b>	<b>Urban Flood</b>
<b>Des Moines County Burlington</b>	<b>08</b>	<b>1135CST</b>			<b>0</b>	<b>0</b>	<b>75K</b>	<b>1K</b>	<b>Thunderstorm Winds (G50)</b>
<p>A very unstable air mass was over Iowa in advance of an approaching warm front. CAPE values were around 4000 J-kg<sup>-1</sup> with lifted indices already -7° C. at sunrise. Surface dew point readings were in the middle 70s. Thunderstorms fired and produced heavy rain and hail. One cell dropped golf ball-size hail on the town of Pleasantville. The area of thunderstorm continued to spread and develop east into eastern Iowa. They dumped heavy rains and generally small hail as they moved southeast. A couple of the cells did become severe over the east central and southeast counties of the state. Golf ball-size hail fell in Johnson County at Hills. Another storm produced high winds as it passed through the Burlington area. Numerous trees were downed and windows were blown out of a few buildings. Three to four inches of rain fell in under two hours over both counties. Flooding was reported, but for the most part it was restricted to urban areas. Lightning struck a tree on a farm south of Dubuque. Several head of cattle were standing beneath the tree, 14 head were killed. Several others were downed, but were able to be revived.</p>									
<b>Scott County 1 W Bluegrass</b>	<b>09</b>	<b>1750CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>5K</b>	<b>Hail (0.88)</b>
<b>Clinton County Clinton</b>	<b>09</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b>
<b>Scott County Maysville</b>	<b>09</b>	<b>1820CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>5K</b>	<b>Thunderstorm Winds (G50)</b>
<b>Scott County</b>	<b>09</b>	<b>1900CST-2200CST</b>			<b>0</b>	<b>0</b>	<b>30K</b>	<b>5K</b>	<b>Urban Flood</b>
<b>Muscatine County</b>	<b>09</b>	<b>1900CST-2200CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>5K</b>	<b>Urban Flood</b>
<b>Keokuk County</b>	<b>09</b>	<b>1900CST-2200CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>5K</b>	<b>Urban Flood</b>
<b>Des Moines County Mediapolis</b>	<b>09</b>	<b>1930CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>1K</b>	<b>Thunderstorm Winds (G50)</b>
<b>Lee County Donnellson</b>	<b>09</b>	<b>2130CST</b>			<b>0</b>	<b>0</b>	<b>50K</b>	<b>0</b>	<b>Lightning</b>
<p>A weak cold front became stationary across Iowa. During the late afternoon and evening hours, thunderstorms fired along the front. The air mass was very moist and unstable with surface temperatures in the lower to middle 90s and dew point temperatures in the upper 70s to lower 80s. Many of the storms produced small hail and gusty winds along with very heavy rain. One storm became severe in Scott County. Nickel-size hail fell west of Blue Grass from this storm. High winds damaged building in Maysville. The storms worked their way to the south with high winds reported in Des Moines County. Several trees were downed in the town of Mediapolis. Heavy rainfall was also a problem. In Scott, Muscatine, and Keokuk Counties urban flooding was reported with the storms. Upwards of two inches of rain fell in an hour at several locations resulting in local flooding. There were two lightning strikes in Lee County. Lightning struck a tree next to a house on the east side of town setting both it and the side of the house on fire. Damage was relatively minor. At about the same time, lightning struck an LP tank on the west side of town. The tank was set ablaze and the fire traveled along the gas line into the house, setting it on fire.</p>									
<b>Hamilton County Webster City</b>	<b>10</b>	<b>0500CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>1K</b>	<b>Thunderstorm Winds (G50)</b>
<b>Wright County Woolstock</b>	<b>10</b>	<b>0500CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>1K</b>	<b>Thunderstorm Winds (G50)</b>
<b>Butler County Clarksville</b>	<b>10</b>	<b>0615CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b>
<p>The same front mentioned above remained stationary over Iowa during the night. A weak impulse moved along the front and resulted in the development of a mesoscale convective system. The thunderstorms were widespread, however most were not severe. One storm did produce high winds in Webster City. Numerous reports of downed trees and power lines were received. The high winds extended up to the Woolstock area in extreme southern Wright County. Farther east, the storms downed trees in the city of Clarksville.</p>									
<b>Palo Alto County Ruthven</b>	<b>13</b>	<b>2000CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>1K</b>	<b>Thunderstorm Winds (G56)</b>
<b>IOWA, Central Cont'd</b>									
<b>Emmetsburg</b>	<b>13</b>	<b>2017CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b>
<b>13 WNW Emmetsburg</b>	<b>13</b>	<b>2020CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b>
<b>5 W Emmetsburg</b>	<b>13</b>	<b>2026CST</b>			<b>0</b>	<b>0</b>	<b>45K</b>	<b>5K</b>	<b>Thunderstorm Winds (G56)</b>
<b>Emmet County 5 W Swea City</b>	<b>13</b>	<b>2044CST</b>	<b>.2</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>1K</b>	<b>1K</b>	<b>Tornado (F0)</b>
<b>Swea City</b>	<b>13</b>	<b>2050CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b>
<b>Winnebago County Buffalo Center</b>	<b>13</b>	<b>2057CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b>
<b>2 1/2 E Rake</b>	<b>13</b>	<b>2100CST</b>			<b>0</b>	<b>0</b>	<b>30K</b>	<b>3K</b>	<b>Thunderstorm Winds (G50)</b>
<b>Palo Alto County Graettinger</b>	<b>13</b>	<b>2100CST</b>			<b>0</b>	<b>0</b>	<b>60K</b>	<b>10K</b>	<b>Thunderstorm Winds (G70)</b>
<b>Emmet County Ringsted</b>	<b>13</b>	<b>2110CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>2K</b>	<b>Thunderstorm Winds (G50)</b>
<b>Kossuth County Bancroft</b>	<b>13</b>	<b>2115CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>2K</b>	<b>Thunderstorm Winds (G50)</b>
<p>A strong cold front began to move into the northwest corner of Iowa during the early evening hours. The air mass ahead of the front was very unstable. CAPE values were in the area of 4000 J-kg<sup>-1</sup> with K indices around 40° C. and lifted indices around -4° C. Most of the dynamics with the system were to the north of Iowa, where indeed most of the severe weather occurred. Northwest and north central Iowa was on the south edge of the intense convection. Strong thunderstorms moved into the state during the mid evening hours. They produced high winds, heavy rain, and a small tornado. The tornado touched down in Emmet County west of Swea City. It caused little damage and was only on the ground briefly. High winds from the storm itself caused a lot of damage around the area. A grain bin was blown three quarters of a mile across a field just west of Swea City. High winds swept across Palo Alto County. Numerous trees and power lines were downed. The strongest winds occurred in Ruthven with 65 mph winds, and in Graettinger with winds around 80 mph. In Graettinger, the high winds downed a few buildings. There was other damage scattered around the area. A barn was leveled west of Emmetsburg. Other reports of damage to outbuildings and sheds were received across Winnebago and Palo Alto Counties as well.</p>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Des Moines County</b>									
Middletown	15	1700CST			0	0	30K	5K	Thunderstorm Winds (G50)
Burlington	15	1710CST			0	0	75K	2K	Thunderstorm Winds (G50)
<b>Henry County</b>									
	15	1815CST-2130CST			0	0	25K	5K	Urban Flood
<b>Jefferson County</b>									
	15	1815CST-2130CST			0	0	25K	5K	Urban Flood
A warm and humid air mass was in place over Iowa. A weak frontal boundary was located just south of the state as part of the remnants of tropical storm Gabrielle moved northeast across the upper midwest. Thunderstorms erupted during the late afternoon and evening hours. The main feature with them was heavy rainfall, though one storm was severe as it moved through De Moines County. High winds downed trees and caused property damage in the towns of Middletown and Burlington. Rainfall of one to three and one-half inches occurred over Henry and Jefferson Counties. The ground was quite dry, thus flooding was quite limited. Low lying areas and city streets were affected. Highway 218 was under water for a short time near the town of Olds.									
<b>Hamilton County</b>									
Stratford	16	1230CST			0	0	0	0	Cold Air Funnel
An upper level low pressure advanced across Iowa during the day. The air mass over the state was quite unstable with CAPE values around 2700 J·kg <sup>-1</sup> . Thunderstorms erupted during the afternoon hours. With the cool pool over us, 500 mb temperatures of -8° C., cold air funnel clouds resulted. One was reported in Hamilton near Stratford. There were other sightings, however none touched down and they are not all listed here.									
<b>Dallas County</b>									
Granger	19	0300CST			0	0	50K	0	Lightning
Thunderstorms moved through Dallas County during the early morning hours. Though not severe, lightning caused damage in Granger. The town water tower was struck by lightning, knocking three of the four water pumps out. Service was not restored to the city until the following Tuesday. Water had to be trucked into the city during the three and one-half day outage.									
<b>Worth County</b>									
Hanlontown	28	1610CST			0	0	5K	1K	Thunderstorm Winds (G52)
<b>Cerro Gordo County</b>									
2 S Mason City	28	1716CST			0	0	30K	5K	Thunderstorm Winds (G61)
Rockwell	28	1725CST			0	0	30K	5K	Thunderstorm Winds (G61)
<b>Chickasaw County</b>									
New Hampton	28	1815CST			0	0	10K	1K	Thunderstorm Winds (G52)
<b>Hancock County</b>									
1 NW Garner	28	1820CST	.1	20	0	0	1K	0	Gustnado (F0)
<b>Clayton County</b>									
Marquette	28	1853CST			0	0	20K	2K	Thunderstorm Winds (G50)
<b>Emmet County</b>									
Estherville	28	2020CST			0	0	25K	3K	Thunderstorm Winds (G50)
<b>Southwest Worth County</b>									
	28	2100CST-2330CST			0	0	25K	3K	Urban Flood
<b>Cerro Gordo County</b>									
	28	2100CST			0	0	50K	5K	Flash Flood
<b>Wright County</b>									
4 NE Clarion	28	2115CST			0	0	40K	5K	Thunderstorm Winds (G50)
<b>IOWA, Central Cont'd</b>									
<b>Hardin County</b>									
1 NE Ackley	28	2225CST			0	0	30K	10K	Thunderstorm Winds (G61)
A very warm and unstable air mass was over Iowa as a stationary front extended from central Nebraska into southern Wisconsin. CAPE values were between 3000 and 4000 J·kg <sup>-1</sup> over the state. Thunderstorms erupted over northwest Iowa and spread into the north central and eventually the northeast counties. For the most part the storms just produced heavy rainfall and gusty winds. During the early stages of the systems development there was some severe weather. High winds were reported in Worth County. Seventy mile an hour winds blew through areas south of Mason City in Cerro Gordo County southeast to the Rockwell area a small bow echo traversed the area. Other high winds occurred in the Estherville area of Emmet County with numerous trees down and also at Marquette in Clayton County. One of the storms produced a brief spin up tornado, or gustnado, northwest of Garner. An observer reported the brief touchdown in his front yard. Damage was very minor however. The storms produced copious amounts of rain. Parts of Cerro Gordo County, south of Mason City, received between five and six inches of rain in under three hours. Two and one half inches fell in an hours time. Widespread street flooding was reported with most streets under at least six inches of water. Parts of the city reported water knee deep. The water receded fairly quickly as antecedent conditions were very dry. The storms dumped the heavy rainfall were the result of back development from the storms that moved through earlier in the evening. One of the storms did become severe and caused damage to several cabins northeast of Clarion. High winds downed several trees in the area as well. Farther to the east and south, a thunderstorm downed trees in the Ackley area. Winds of at least 70 MPH in what appeared to be a downburst completely flattened 32 acres of a corn field northeast of town.									
<b>IOWA, Northwest</b>									
<b>Clay County</b>									
7 E Spencer	04	1555CST			0	0	?	?	Hail (0.50)
<b>Lyon County</b>									
3 1/2 NE George	04	1735CST		0.1	0	0	?	?	Tornado (F0)
Sheriff officials reported a brief tornado touchdown.									
<b>O'Brien County</b>									
Paullina	13	1934CST			0	0	?	0	Thunderstorm Winds (G52)
<b>Clay County</b>									
7 N Spencer	13	1935CST			0	0	?	?	Thunderstorm Winds (G56)
<b>Sioux County</b>									
Hawarden/Ireton	28	1740CST-1750CST			0	0	5K	0	Thunderstorm Winds (G52)
Thunderstorm winds caused tree damage.									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crops		Character of Storm
<b>IOWA, Southwestern</b>									
Monona County Castana	05	1500CST			0	0	5K	20K	Thunderstorm Winds (G60) Hail driven by thunderstorm winds did damage to a home and stripped crops.
<b>KANSAS, Northeastern</b>									
Leavenworth County De Soto	02	1600CST- 1930CST			0	0	0	0	Flash Flooding
Wyandotte County Kansas City	02	1600CST- 1930CST			0	0	0	0	Flash Flooding Heavy rains associated with the leftover moisture from Tropical Storm Dean fell in the De Soto and Kansas City areas. Up to an inch and a half to two inches of rain fell within a two hour period in these areas. Some roadway flooding was reported.
Wyandotte County Kansas City	15	1510CST			0	0	0	0	Hail (0.88) Strong thunderstorms produced up to two inches of rain in about an hour over Kansas City. Nickel-size hail was reported over the west side of Kansas City.
<b>KSZ025-102&gt;105 Extreme Northeast and East-Central Kansas</b>									
	16 17	0000CST- 2359CST			0	0	0	0	River Flood Minor flooding occurred across portions of Northeast Kansas briefly during the middle part of the month. A hot dry later half of July helped keep rivers in check.
		River and Station Stranger Creek Easton, KS		FS	FLOOD STAGE REPORT Above FS		Crest	Date	
				17	8/16 to 8/17		18.5	8/16	
<b>KANSAS, Eastern</b>									
POTTAWATOMIE CO Onaga	14	1445CST			0	0			Tstm wind 51 Heavy rainfall accompanied the severe storm.
DICKINSON CO Abilene	14	1605CST			0	0			Tstm wind 56
<b>KANSAS, Eastern Cont'd</b>									
DICKINSON CO Herington	14	1618CST			0	0			Tstm wind 50
GEARY CO 3NW Junction City	14	1630CST			0	0	3K		Lightning Lightning struck a Geary county sheriffs patrol car damaging electronic and electrical equipment. The driver was not harmed.
GEARY CO Junction City	14	1630CST			0	0	5K		Tstm wind 53 High winds and frequent lightning caused widespread power outages in and around Junction City. Torrential rainfall also produced flooding of intersections and low lying areas. Tree and limb damage occurred throughout the area.
GEARY CO Ft. RILEY	14	1646CST			0	0			Tstm wind 60
MORRIS CO White City	14	1655CST			0	0			Tstm wind 52
RILEY CO Manhattan Airport	14	1705CST			0	0			Tstm wind 55
WABAUNSEE CO Alta Vista	14	1715CST			0	0	5K		Tstm wind 55 High winds blew out a plate glass window.
POTTAWATOMIE CO 5W Wamego	14	1717CST			0	0			Tstm wind 52
SHAWNEE CO 5W Topeka	14	1822CST			0	0			Tstm wind 51
JACKSON CO 2S Whiting	14	1840CST			0	0			Tstm wind 52
WABAUNSEE CO 6W Eskridge	15	0200CST			0	0	75K		Lightning Fire, apparently caused by a lightning strike during the early evening, destroyed a rural home in the early morning hours. The initial fire caused by lightning rekindled while the family slept. They escaped unharmed.

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>LYON CO</b> Emporia	15	1755CST 2245			0	0	25K	10K	Flash Flood
Heavy rains of 4 to 6 inches caused flash flooding in and around the city of Emporia. Five people were rescued from a car floating down Prairie Street between 12th and 15th avenue. Flooding of basements, intersections, and other low lying areas was common along with closed streets and highways.									
<b>MORRIS CO</b> South half county	15	1845CST 2200			0	0	5K	5K	Flash Flood
Rainfall of 6 to 7 inches in 24 hours produced flash flooding across the southern part of the county. Creeks left their banks and flooded some rural roadways during the evening.									
<b>SHAWNEE CO</b> 1W Richland	16	0455CST			0	0	50K		Lightning
Lightning hit a house near SE 105th street and Dupont Rd causing substantial damage.									
<b>KANSAS, Southeastern</b>									
Russell County 2 E Gorham	05	1623CST			0	0	0	0	Thunderstorm Winds (G100)
Russell County 7 SW Russell	05	1654CST			0	0	0	0	Thunderstorm Winds (G60)
Russell County 7 SW Russell	05	1658CST			0	0	0	0	Hail (1.00)
Russell County 7 SW Russell	05	1658CST			0	0	0	0	Thunderstorm Winds (G60)
Barton County Susank	05	1738CST			0	0	0	0	Hail (0.75)
Russell County	05	1752CST			0	0	0	0	Flash Flood
Radar estimates of five inches of rainfall fell across the Fossil and Salt Creek Basins. This in turn, caused for the creeks to rise above bankfull and cause minor flooding to farmland.									
Barton County Stickney	05	1810CST			0	0	0	0	Hail (0.75)
Barton County 7 NE Barton	05	1857CST			0	0	0	0	Thunderstorm Winds (G60)
<b>KANSAS, Southeastern Cont'd</b>									
Barton County	05	1915CST			0	0	0	0	Flash Flood
Radar estimates of four inches had fallen across Northern Barton County. Local officials reported that Highway 4 near Galatia was under water. The Blood and Deception creeks also rose above bankfull.									
Barton County 5 W Great Bend	05	1927CST			0	0	0	0	Thunderstorm Winds (G60)
Barton County 3 W Barton	05	1931CST			0	0	0	0	Hail (1.00)
Lincoln County Lincoln	14	1425CST			0	0	0	0	Thunderstorm Winds (G60)
A roof was blown off of a local store in the town of Lincoln.									
Saline County 10 NE Saline	14	1600CST			0	0	0	0	Thunderstorm Winds (G60)
Sedgwick County	14	2253CST			0	0	?	?	Flash Flood
Butler	15				0	0	?	?	Flash Flood
Widespread rain fell across the mentioned counties which caused for many rivers and creeks to rise above bankfull. Rainfall amounts in excess of 7.5 inches was reported in Andover. The rainfall across the Whitewater and Walnut River caused extensive flooding of farmland and also closed many rural roads. In the city of Derby two housing subdivisions were flooded due to rapidly rising creeks. Local patrons had never seen the waters rise to those heights before. The housing subdivision met flood requirements at its inception in 1979. Along with the many flooded homes and closed streets, numerous people had to be evacuated from their homes.									
<b>KANSAS, Southwestern</b>									
Kearny County 10 NW Lakin	05	1700CST			0	0	0	0	Hail (1.00)
10 WNW Lakin	05	1800CST			0	0	0	0	Hail (1.00)
16 N Lakin	05	1808CST			0	0	?	?	Hail (1.75)
4 N Lakin	05	1910CST			0	0	?	?	Hail (1.00)
Deerfield	05	1915CST			0	0	?	?	Hail (1.75)
Hail piled in huge drifts and stripped corn in a two mile wide swath. Hail drifts were still evident 24 hours later.									
Deerfield	05	1915			0	0	0	0	Flash Flood
Rain of over six inches in a short time caused flash flooding in the area. Highway 50 was covered by three feet of water and was closed for several hours and limited to one way traffic for 24 hours. Sand was deposited on many streets bringing out heavy equipment to clear the debris.									
Ellis County 5 WNW Victoria	05	1800CST			0	0	0	0	Hail (0.75)
Trego County Collyer	05	1830CST			0	0	0	0	Hail (0.75)
Collyer	05	1830CST			0	0	0	0	Thunderstorm Winds (G62)

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
4 S Collyer Rush County	05	1830			0	0	?	?	Thunderstorm Winds (G70)
2 N Liebenthal	05	1830			0	0	2K	0	Wind Damage
									Thunderstorm wind blew the doors off a 100 foot metal storage building.
Otis	05	1845			0	0	?	?	Thunderstorm Winds (G65)
									Broken windows were reported along with power poles down, large tree limbs down and some unspecified exterior damage done to homes.
Finney County									
Holcomb	05	1843			0	0	?	?	Hail (1.75)
Garden City	05	1905CST			0	0	0	0	Hail (1.00)
2 W Holcomb	05	1913CST	.1	50	0	0	0	0	Tornado (F0)
Haskell County									
5 NW Sublette	05	2030CST			0	0	0	0	Thunderstorm Winds (G52)
Pawnee County									
6 NE Larned	05	2030CST			0	0	0	0	Thunderstorm Damage
									Trees were blown down.
Stafford County									
9 N St. John	05	2100CST			0	0	0	0	Hail (0.75)
9 N St. John	05	2100CST			0	0	0	0	Thunderstorm Winds (G52)
Gray County									
1 W Haggard	05	2110CST			0	0	0	0	Thunderstorm Winds (G52)
Ford County									
5 S Dodge City	05	2145CST			0	0	0	0	Thunderstorm Winds (G61)
Edwards County									
Kinsley	05	2200CST			0	0	0	0	Thunderstorm Winds (G52)
Clark County									
Minneola	05	2255CST			0	0	10K	0	Wind Damage
									Thunderstorm wind downed power lines, trees, fences and ripped the roof off an old gymnasium.
<b>KANSAS, Southwestern Cont'd</b>									
11 NE Ashland	05	2305CST			0	0	0	0	Thunderstorm Winds (G61)
Hodgeman County									
12 W Jetmore	09	1515CST			0	0	0	0	Hail (0.75)
13 W Jetmore	09	1520CST			0	0	?	?	Thunderstorm Winds (G61)
									Trees were knocked down.
Ellis County									
Hays	21	1720CST			0	0	0	0	Hail (0.88)
Hays (NE side)	21	1730CST			0	0	0	0	Hail (0.75)
Hays	21	1730			0	0	20K	0	Thunderstorm Winds (G70)
									Several roofs blown off by wind of at least 70 kt.
Hays	21	1730CST			0	0	0	0	Flash Flood
									Four and one-half inches of rain in a short time on the northeast side of town caused flash flooding. One person was swept into a drainage ditch but was rescued without injury.
Morton County									
10 N Rolla	30	1753CST			0	0	0	0	Wind Damage
									Power poles snapped...large building destroyed.
Trego County									
7 SSE Collyer	31	1810CST			0	0	0	0	Hail (1.00)
12 SW Trego Center	31	1901CST			0	0	0	0	Hail (0.75)
Collyer	31	1951CST			0	0	?	?	Hail (1.75)
5 S Collyer	31	2040CST			0	0	0	0	Hail (1.00)
Ness County									
6 N Beeler	31	2110CST			0	0	?	?	Hail (1.75)
3 S Beeler	31	2130CST			0	0	0	0	Hail (0.88)
<b>KANSAS, Northwestern</b>									
Wichita County									
11 SW LEOTI	05	1635CST			0	0	0	0	Hail (1.75)
Wichita County									
7 NNW	05	1640CST			0	0	0	0	Hail (1.75)
Marienthal									
Wichita County									
10 SSW Leoti	05	1715CST			0	0	0	0	Hail (1.75)
Logan County									
11 SE Russell	05	1735CST			0	0	0	0	Hail (1.00)
Springs									
Wichita County									
10 S Leoti	05	1735CST			0	0	0	0	Hail (1.75)
Gove County									
2 W Grainfield	05	1750CST			0	0	0	0	Hail (1.00)
Wichita County									
12 S Leoti	05	1750CST			0	0	0	0	Hail (0.88)
Gove County									
1 S Gove	05	1757CST			0	0	0	0	Hail (0.75)
Wichita County									
14 S Leoti	05	1807CST			0	0	0	0	Hail (0.75)
Gove County									



# Storm Data and Unusual Weather Phenomena

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7 SW Gove	05	1812CST			0	0	0	0	Hail (0.75)
Gove County	05	1820CST			0	0	0	0	Hail (1.50)
5 S Quinter	05	2000CST			0	0	5K	0	Lightning
Decatur County									Lightning struck an unoccupied house Saturday night which set a fire smoldering. The fire destroyed the house by Sunday morning. The house was used for storage by a local farmer.
Kanona									
Graham County	31	1850CST			0	0	0	0	Hail (0.75)
12 NNW Moreland	31	1920CST			0	0	0	0	Hail (0.75)
Graham County	31	1930CST			0	0	0	0	Hail (0.75)
6 S Morland	31	2016CST			0	0	0	0	Hail (0.75)
Graham County									
4 NE St. Peter									
Gove County									
4 SE Quinter									
<b>KANSAS, North Central</b>									
None reported.									
<b>KENTUCKY, Northern</b>									
Mason County	05	1655EST			0	0	20K	0	Thunderstorm Winds
2.5 SW Maysville									A microburst tore a metal roof off a barn and uprooted several trees.
<b>KENTUCKY, Northern Cont'd</b>									
Carroll County	07	1700EST-			0	0	1.0M	50K	Flash Flood
Countywide	07	2200EST							Thunderstorms dropped three to five inches of rain in less than two hours producing widespread flooding. Two low water bridges were completely washed out, with damage sustained to two others. Several roads were also washed out. Flooding from Notch Lick Creek destroyed or damaged several homes. Numerous roads across the county were closed into the daylight hours of the 8th due to high water. Some crops were destroyed.
Campbell County	09	2315EST-			0	0	2K	0	Flash Flood
Countywide	10	0145EST							Thunderstorm rains of two to three inches in nearly two hours caused flooding of some roads and small streams. Several rural roads were water covered for a short period of time.
Kenton County	19	1515EST-			1	0	2K	0	Flash Flood
North Part	19	1715EST							Nearly two inches of rain fell in less than one hour on top of saturated ground causing flooding of a few streets and poor drainage areas. In Fort Wright, a nine-year-old boy drowned when he was swept through a drainage pipe by flood waters. M09OT
<b>KENTUCKY, Northeast</b>									
KYZ101-102-	05	1500-							Heavy Rain
103-104-105	06	0500EST							Remnants of Hurricane Erin provided beneficial and widespread rain. Amounts of 2.5 to 4 inches were common. Greenup had the maximum of 4.8 inches. Due to the previously dry soil, no significant flooding occurred.
<b>KENTUCKY, Central</b>									
Pulaski County	01	1610EDT			0	0	0	0	Thunderstorm Winds
									Power lines down in South end of the county.
Pulaski County	01	1610EDT			0	1	0	0	Lightning
									One person injured after being struck by lightning.
Floyd County	01	1930EDT			0	0	0	0	Thunderstorm Winds
									Numerous trees down in Central Floyd County. Department of Emergency Services officials reported trees down near Cracker Bottom (16 NW Pikeville) and Arkansas (14 NW Pikeville). Trees were also reported down near David (23 W Pikeville) and Allen City (15 NW Pikeville).
Floyd County	01	203EDT			0	0	0	0	Flash Flood
									A dam break was reported near Tackett Branch (10 SW Pikeville) in Floyd County. Waist deep water was reported over Highway 9979 near Tackett Branch. Local newspaper stated flooding not silt pond was responsible for the break.
Trimble County	07	1800EDT			0	0	0	0	Flash Flood
									Several flooded streets and a washed out bridge reported.
Jefferson County	07	1930EDT			0	0	0	0	Flash Flood
									An observer reported 3.62 inches of rain in two hours in NE Jefferson County. Several roads were covered by high water. Harrods Creek was out of its banks causing damage to several boats.
Jefferson County	07	1930EDT			0	0	100K	0	Lightning
									Lightning struck two houses destroying one and damaging another.
Shelby County	07	1931EDT			0	0	0	0	Flash Flood
									Heavy rains dumped 2.5 inches of rain across parts of Shelby County in an hour. Several roadways were blocked.
Henry County	07	1939EDT			0	0	0	0	Flash Flood
Turner Station									A volunteer spotter at Turner Station reported 3.14 inches of rain in an hour. Several roads across the county were water covered.

# Storm Data and Unusual Weather Phenomena

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Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>Shelby County</b>	<b>07</b>	<b>1940EDT</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Flash Flood</b>
7.88 inches of rain was reported one-half mile North of Shelbyville, seven and one-half inches of rain was reported just east of Shelbyville, and three inches was reported in Shelbyville. Several homes were flooded destroying property.									
<b>Anderson County Indian Creek</b>	<b>07</b>	<b>1945EDT</b>			<b>0</b>	<b>0</b>	<b>400K</b>	<b>0</b>	<b>Flash Flood</b>
Flash flooding damaged or destroyed 10 autos, 6 houses and trailers. Some of which were up against bridges. 4 bridges were reported out and numerous blacktop and gravel roads were out. These reports were from the Crooked Creek Road area.									
<b>Anderson County Indian Creek</b>	<b>07</b>	<b>1945EDT</b>			<b>0</b>	<b>0</b>	<b>100K</b>	<b>0</b>	<b>Flash Flood</b>
Dispatch and Department of Emergency Service report mobile homes inundated by water in Glensboro. Highway 395 near Indian Creek received damage to both structures and vehicles. Highway 44 was partially blocked.									
<b>KENTUCKY, Central Cont'd</b>									
<b>Nelson County Bardstown</b>	<b>07</b>	<b>2000EDT</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Lightning</b>
Three lightning strikes damaged parts of three homes.									
<b>Nelson County Bardstown</b>	<b>07</b>	<b>2030EDT</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Flash Flood</b>
A 500-foot propane fuel tank was torn from its mooring by flash flood waters. Fuel was shooting out a snapped off valve. Several homes were evacuated.									
<b>Breckinridge County</b>	<b>07</b>	<b>2215EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
Dispatch reported high water over some roadways.									
<b>Hardin County</b>	<b>07</b>	<b>2215EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
Dispatch reported high water over some roadways.									
<b>Larue County</b>	<b>07</b>	<b>2215EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
Dispatch reported high water over some roadways.									
<b>Pulaski County Eubank</b>	<b>08</b>	<b>2245EDT</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Lightning</b>
A lightning strike destroyed a garage housing tools as well as garden equipment. Also, lightning killed six cattle on a farm near Eubank.									
<b>Jefferson County</b>	<b>08</b>	<b>2303EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Police reported numerous trees and lines down across the county. Numerous traffic lights down in Louisville. Department of Emergency Service reports 2,500 homes without power.									
<b>Bullitt County</b>	<b>09</b>	<b>2234EDT</b>			<b>0</b>	<b>0</b>	<b>30K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Trees and power lines down in Northern and Eastern Bullitt County. Several mobile homes also received damage.									
<b>Clay County</b>	<b>18</b>	<b>1600EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Department of Emergency Service officials reported power lines down along Morgan Branch near Highway 411 and Highway 11.									
<b>Laurel County Near Blackwater</b>	<b>18</b>	<b>1615EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Dispatch reports several power lines down across Eastern Laurel County.									
<b>Letcher County McRoberts</b>	<b>19</b>	<b>1615EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Sheriff reports trees and power lines down.									
<b>Letcher County McRoberts</b>	<b>19</b>	<b>1615EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
Several houses were reported flooded.									
<b>Pike County Elkhorn City</b>	<b>19</b>	<b>1719EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Police reported several trees blocking roads.									
<b>Pike County Freeburn</b>	<b>19</b>	<b>1722EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
Water covered Highway 194. Report was from State police.									
<b>Floyd County</b>	<b>19</b>	<b>1725EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
A dam break was reported in the Neds Fork Creek area near Dony in Southern Floyd County (11 SW Pikeville). Water was reported over the road at Neds Fork. Report from Department of Emergency Services.									
<b>KENTUCKY, Southwestern</b>									
<b>Calloway County Countywide</b>	<b>08</b>	<b>1000EST</b>			<b>0</b>	<b>0</b>	<b>50K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Thunderstorm winds downed 35 to 40 trees, mostly in northern and eastern parts of the county. County road crews spent several hours clearing trees off roads. Electric crews worked to remove trees that fell on powerlines. Some power poles had to be replaced. A teenage girl drowned when the fishing boat she was in capsized in Kentucky Lake, just offshore from Calloway County. The six to eight ton musselling boat capsized in about four feet of water.									
<b>Caldwell County</b>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
Princeton	09	0510EST			0	0	0	0	Hail (0.75)
Lyon County	09	0520EST			0	0	0	0	Thunderstorm Winds (G50)
Saratoga	10-				0	0	0	0	Heat Wave
Western KY	20								
KYZ001>013									
<p>Temperatures climbed well into the 90s, with afternoon heat indices peaking around 115. Heat advisories were in effect for close to a week. Electrical demand soared as a result of heavy cooling demands. The Tennessee Valley Authority enacted emergency curtail plans. Rural electric cooperatives asked customers to voluntarily reduce their use of electricity. The emergency curtailment was a precautionary measure, and no power shortages were reported.</p>									
<b>LOUISIANA, Northwest</b>									
Desoto Parish	02	2130CST			0	0	0	0	Thunderstorm Winds
Numerous trees and power lines were blown down.									
Natchitoches Parish	02	2130CST			0	0	0	0	Thunderstorm Winds
Numerous reports of trees and power lines down.									
Red River Parish	02	2130CST			0	0	0	0	Thunderstorm Winds
Numerous reports of fallen trees, broken power poles and power lines down.									
Sabine Parish	02	2130CST			0	0	0	0	Thunderstorm Winds
Numerous reports of trees and power lines down.									
Winn Parish	02	2130CST			0	0	0	0	Thunderstorm Winds
Numerous reports of trees and power lines down.									
Webster Parish	02	1840CST			0	0	0	0	Thunderstorm Winds
Cotton Valley	Numerous trees and power lines down.								
Minden	02	1850CST			0	0	6K	0	Thunderstorm Winds
Fallen trees damaged several houses.									
Webster Parish	18	1700CST			0	0	75K	0	Thunderstorm Winds
Minden	Thunderstorm wind gusts caused damage to three buildings, with two of the buildings suffering significant roof damage. Windows were also blown out of several commercial buildings, a number of trees were toppled by the high wind.								
Union Parish	20	1430CST			0	0	0	0	Thunderstorm Winds (G60)
5 E Farmerville	Large trees and numerous power poles down.								
Bossier Parish	20	1815CST			0	0	25K	0	Thunderstorm Winds
Lake Bistineau North	Trees were blown down onto mobile home and a roof was blown off a cafe.								
Webster Parish	20	1815CST-1820CST			0	0	0	0	Thunderstorm Winds
5 W Sibley	Several trees blown down along Highway 164.								
Red River Parish	20	1900CST			0	0	0	0	Thunderstorm Winds
Crossroads	Trees and power lines down blocking Highway 71.								
Hall Summit	20	1900CST			0	0	0	0	Thunderstorm Winds
Several reports of trees and power lines blown down.									
Bossier Parish	30	1448CST			0	0	0	0	Lightning
Bossier	A lightning storm struck transformers in the city knocking out electricity to over 4,000 residents.								
North Louisiana	15	1200CST-							
LAZ001>006-	30	2400CST			3	0	0	0	Extreme Heat
010>014	A heat wave gripped north Louisiana during the last half of the month with daily highs from 97 to 104 degrees. The heat was also accompanied by high humidities. In Shreveport, Caddo Parish, the coroner listed three fatalities as heat related according to newspaper accounts. The deaths occurred August 25 and August 26. M65PH, F58PH, M81PH.								
<b>LOUISIANA, Southeast</b>									
East Baton Rouge Parish	18	1300CST	2	30	0	0	60K	0	Tornado (F1)
Baton Rouge	A tornado touched down along an intermittent path in a subdivision on the southeast edge of Baton Rouge. The tornado tore the roof off one house, and caused a house under construction to collapse. A car was also damaged when a garage door was blown in, and there were reports of trees and power lines blown down. Torrential rain accompanied the tornado with significant street flooding. Damage cost estimated.								
Baton Rouge	18	1330CST			0	2	0	0	Lightning
Two women suffered minor injuries from an electrical shock when lightning struck a utility pole next to the automobile in which they were sitting.									
St Tammany Parish									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Slidell</b>	20	1400CST- 1430CST			0	0	.5K	0	<b>Thunderstorm Winds</b>
									Sheriff's office reported trees and power lines downed. Damage cost estimated.
<b>Lacombe</b>	20	1430CST			0	0	.5K	0	<b>Thunderstorm Winds</b>
									Thunderstorm winds downed power lines as reported by sheriff's office. Damage cost estimated.
<b>LOUISIANA, Southeast Cont'd</b>									
<b>Washington Parish</b>									
<b>Bogalusa</b>	20	1405CST			0	0	.5K	?	<b>Thunderstorm Winds</b>
<b>Southwest</b>	20	1420CST			0	0	.5K	0	<b>Thunderstorm Winds</b>
									Sheriff's office reported several trees downed across Parish. Damage cost estimated.
<b>Tangipahoa Parish</b>									
<b>Hammond</b>	20	1500CST			0	0	.5K	0	<b>Thunderstorm Winds</b>
<b>Independence</b>	20	1500CST			0	0	.5K	0	<b>Thunderstorm Winds</b>
									Sheriff's office reported trees and power lines downed. Damage cost estimated.
<b>East Baton Rouge Parish</b>									
<b>Baton Rouge</b>	20	1500CST			0	0	.5K	0	<b>Thunderstorm Winds</b>
									Several trees downed on north side of town reported by Police Department. Damage cost estimated.
<b>Jefferson Parish</b>									
<b>Marrero</b>	20	1515CST			0	0	.5K	0	<b>Thunderstorm Winds</b>
									Several trees downed reported by the public. Damage cost estimated.
<b>Livingston Parish</b>									
<b>Parishwide</b>	20	1530CST			0	0	.5K	0	<b>Thunderstorm Winds</b>
									Several trees downed across the Parish. Damage cost estimated.
<b>Plaquemines Parish</b>									
<b>Pt Sulphur</b>	20	1600CST- 1630CST			0	0	5K	0	<b>Thunderstorm Winds</b>
									Public reported trees and power lines downed. Damage cost estimated.
<b>Terrebone Parish</b>									
<b>Houma</b>	20	1615CST			0	0	1K	0	<b>Thunderstorm Winds</b>
									Sheriff's office reported trees and power lines downed. Damage cost estimated.
<b>Dulac</b>	20	1615CST			0	0	1K	0	<b>Thunderstorm Winds</b>
									Sheriff's office reported trees and power lines downed. Damage cost estimated.
<b>Chauvin</b>	20	1630CST			0	0	15K	0	<b>Thunderstorm Winds</b>
									Sheriff's office reported roof blown off mobile home, and trees and power lines downed. Damage cost estimated.
<b>Lafourche Parish</b>									
<b>Leeville</b>	20	1620CST			0	0	5K	0	<b>Thunderstorm Winds</b>
									One mile of power lines and several power poles were downed by thunderstorm wind gusts. Damage cost estimated.
<b>St James Parish</b>									
<b>Convent to Gramercy</b>	20	1625CST			0	0	1K	0	<b>Thunderstorm Winds</b>
									Sheriff's office reported trees and power lines downed. Damage cost estimated.
<b>Ascension Parish</b>									
<b>Prairieville</b>	20	1630CST			0	0	.5K	0	<b>Thunderstorm Winds</b>
									Sheriff's office reported utility poles and power lines downed. Damage costs estimated.
<b>Assumption Parish</b>									
<b>Labadieville</b>	20	1630CST			0	0	.5K	0	<b>Thunderstorm Winds</b>
									Sheriff's office reported power lines downed. Damage cost estimated.
<b>LOUISIANA, Southwest</b>									
<b>Iberia Parish</b>									
<b>New Iberia</b>	04	1600CST			0	0	0	0	<b>Thunderstorm Winds</b>
									Tree blown down on the north side of New Iberia.
<b>Beauregard Parish</b>									
<b>3 NW DeRidder</b>	14	1442CST			0	0	0	0	<b>Thunderstorm Winds</b>
									Trees blown down on power lines.
<b>St. Landry Parish</b>									
<b>6 W Opelousas</b>	14	1550CST			0	0	0	0	<b>Thunderstorm Winds</b>
									Tree blown down on LA 104.
<b>Iberia Parish</b>									
<b>5 W New Iberia</b>	18	1410CST			0	0	0	0	<b>Thunderstorm Winds</b>
									Power lines blown down on Highway 90.
<b>St. Landry Parish</b>									
<b>Lawtell</b>	18	1530CST			0	0	25K	0	<b>Lightning</b>
									Fire from lightning strike destroyed one home. Damage cost estimated.
<b>Rapides Parish</b>									
<b>Elmer</b>	18	1643CST			0	0	0	0	<b>Hail (0.75)</b>

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Calcasieu Parish Moss Bluff</b>	<b>20</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>LOUISIANA, Southwest Cont'd</b>									
			Trees blown down on power lines.						
<b>Vernon Parish Leesville</b>	<b>20</b>	<b>2145CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
			Lightning hit several electrical transformers.						
<b>Rosepine</b>	<b>20</b>	<b>2145CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			A few trees were blown down.						
<b>Jefferson Davis Parish Fenton</b>	<b>21</b>	<b>1820CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Trees blown down on Highway 383.						
<b>Fenton</b>	<b>21</b>	<b>1820CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
			Lightning hit a transformer, knocking a TV station off the air.						
<b>Calcasieu Parish Lake Charles</b>	<b>21</b>	<b>1840CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Numerous trees blown down across the city.						
<b>MAINE</b>									
<b>York County</b>	<b>04</b>	<b>1645EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	<b>04</b>	<b>1645EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Lightning</b>
			A severe thunderstorm moved through northern York County, with high winds downing trees and power lines in Limerick, Newfield, and Shapleigh. Lightning struck several homes in Limerick, Waterboro, and Biddeford Pool.						
<b>York County Eliot</b>	<b>12</b>	<b>1700EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			A thunderstorm microburst uprooted trees which damaged homes and brought down power lines.						
<b>Cumberland County Bailey Island</b>	<b>15</b>	<b>1500EST</b>			<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>Hurricane-Generated Swells</b>
			A lady watching high surf was swept from the rocks near Land's End, repeatedly dashed against them, and then washed out to sea. She was almost immediately thrown a life preserver, and then rescued by boat about 30 minutes later, suffering from hypothermia and cuts covering her body. The seven to twelve foot waves had been generated by Hurricane Felix, almost 900 miles to the south.						
<b>Lincoln County East Boothbay</b>	<b>15</b>	<b>unknown</b>			<b>0</b>	<b>1</b>	<b>55K</b>	<b>0</b>	<b>Hurricane-Generated Swells</b>
			A lobsterman suffered minor injuries as large waves generated by Hurricane Felix crashed down on his 32-foot boat, capsizing and sinking it near the mouth of the Damariscotta River. He managed to hang on to floating debris until rescued by the Coast Guard.						
<b>Hancock County Stonington</b>	<b>15</b>	<b>unknown</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Hurricane-Generated Swells</b>
			High surf generated by Hurricane Felix well to the south dashed a lobster boat to pieces against the rocks after its engine stalled. The lobsterman swam safely to shore.						
<b>MEZ012</b>	<b>24</b>	<b>1500EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>High Winds</b>
			Strong winds behind a vigorous fast-moving cold front downed trees and power lines in southern Oxford County in and near Bryant Pond, Mexico, and Rumford.						
<b>Aroostook Sherman</b>	<b>29</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Lightning</b>
			Lightning caused extensive damage to a mobile home.						
<b>MARYLAND, Northeast</b>									
<b>MDZ012-015-019-020</b>	<b>12</b>	<b>0900EST-</b>							
	<b>05</b>	<b>2100EST</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
<b>MDZ008 Cecil County</b>	<b>23</b>	<b>0900EST-</b>							
	<b>05</b>	<b>2100EST</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
			An oppressive heat wave, which lasted as long as twenty-five consecutive days in Kent, Queen Anne's, Talbot and Caroline Counties, gripped the region through early August. It took the clouds and rain associated with the remnants of Hurricane Erin to break the back of the heat wave. Hottest temperatures during the August part of the heat wave included 100F (4th) at the Baltimore-Washington International Airport, 98F in Salisbury (4th and 5th) and 96F at the Greater Wilmington-New Castle Delaware Airport (4th). No heat related deaths were reported.						
<b>MDZ008-012-015-019-020</b>	<b>11</b>	<b>1000EST-</b>							
	<b>18</b>	<b>2100EST</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
			The last heat wave of the summer affected the eastern shore during Mid August. Sinking air surrounding Hurricane Felix located well offshore also made this a mostly precipitation free heat wave. Hottest readings reached included 96F at the Baltimore Washington International Airport (14th and 18th), 95F in Salisbury (18th) and 94F at the Greater Wilmington-New Castle Delaware Airport (18th). No heat related deaths were reported.						
<b>MDZ008-012-015-019-020</b>		<b>Month Long</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Unseasonably Warm and Dry</b>
			August 1995 was one of the ten warmest Augusts on record across the eastern shore. The mean temperature of 80.1F at the						

## MARYLAND, Northeast Cont'd

# Storm Data and Unusual Weather Phenomena

August 1995

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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Baltimore-Washington International Airport was the warmest August on record. The mean temperature of 77.1F at the Greater Wilmington-New Castle Airport was the tenth warmest August on record. Precipitation was below normal, especially in Caroline and Talbot Counties with monthly average deficiencies of around three inches. The combination of excessive heat with little rainfall continued to put a strain on farming interests.

**MDZ008-012-015-019-020**

**Season Long** **0** **?** **?** **?** **Unseasonably Warm, Drought**  
 Summer 1995 was both warmer and drier than normal. Both July and August were among the ten warmest months on record at the Greater Wilmington-New Castle Airport. Summer 1995 was the warmest summer on record at both the Baltimore Washington International Airport (78.8F) and Philadelphia Pennsylvania (78.6F). A very dry June and August continued a trend of below normal precipitation for most of the year. 1995 precipitation so far has been only about 80 percent of normal with departures from normal rainfall to date around five inches.

**MARYLAND, Central**

**Carroll County  
E Portion**

04	2015EST-2100EST	0	0	80K	0				<b>Lightning</b> Lightning struck and set afire five structures over the eastern portion of Carroll County. Three residences were struck, in Reese, Winfield, and Camber; one commercial building was struck in Hampstead, and a pole was set afire near Sykesville.
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**St Mary's County  
Naval Air Station  
Patuxent River**

06	1212EST	0.3	50	0	0	0	0		<b>Tornado(F0)</b> A highly sheared tropical air mass associated with the remains of Hurricane Erin aided in spawning a brief tornado at the Patuxent River Naval Air Station. No damage was reported.
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MDZ003

07	0000EST-2300EST	0	0	0	.28K	Drought/Excessive Heat
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MDZ004

07	0000EST-2300EST	0	0	0	.15K	Drought/Excessive Heat
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MDZ005

07	0000EST-2300EST	0	0	0	?	Drought/Excessive Heat
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MDZ006

07	0000EST-2300EST	0	0	0	?	Drought/Excessive Heat
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MDZ007

07	0000EST-2300EST	0	0	0	.10K	Drought/Excessive Heat
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MDZ009

07	0000EST-2300EST	0	0	0	.10K	Drought/Excessive Heat
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MDZ010

07	0000EST-2300EST	0	0	0	?	Drought/Excessive Heat
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MDZ013

07	0000EST-2300EST	0	0	0	1.7K	Drought/Excessive Heat
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MDZ014

07	0000EST-2300EST	0	0	0	.75K	Drought/Excessive Heat
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MDZ016

07	0000EST-2300EST	0	0	0	.70K	Drought/Excessive Heat
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MDZ017

07	0000EST-2300EST	0	0	0	.30K	Drought/Excessive Heat
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MDZ018

07	0000EST-2300EST	0	0	0	1.7K	Drought/Excessive Heat
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Dry weather, combined with periods of excessive heat, caused substantial damage to several crops, and limited the production of healthy livestock, during a month-long period that extended through mid-September. The dry weather began after the soaking rains associated with the remains of Hurricane Erin (August 6) moved away. The drought conditions began in earnest over the following three weeks, as dry weather combined with a period of excessive heat (August 13 through 18) to wither crops. Fortunately, early-summer rains, combined with previous year's rainfall totals, kept deep groundwater levels at near normal levels. Unfortunately, crops which rely on shallow ground water sustained damage, namely soybeans, alfalfa/hay, tobacco, and late-season corn. The most damage was noted over lower southern Maryland and east of the Chesapeake Bay, where the sandy soil exacerbated the effects of the hot dry weather.

August, normally one of the wettest months, was the sixth-driest on record at Washington/National Airport (Arlington County), with barely seven-eighths of an inch (normal: 3.9 inches). Across the region, monthly precipitation averaged one to two inches, with virtually all of it falling before August 7th. The drought continued into mid-September, when it was alleviated somewhat by steady rains late on the 16th and early on the 17th. However, mean temperatures were much lower in September, ironically due to drier air masses, which allowed temperatures to plummet into the 50s on several mornings. Nonetheless Washington/National broke an all-time record for consecutive days without measurable precipitation, with 33. Crop Damage values are in thousands of dollars per acre, and include damage assessments from corn, soybean, hay, and tobaccos.

**MARYLAND, Southern**

**Worcester County  
MDZ24>25**

15-17		0	0	0	0				<b>Hurricane Felix</b> Hurricane Felix threatened the Virginia, Maryland and northeast North Carolina coasts during the three-day period. No damage was reported in Worcester County from Felix, although some beach erosion occurred in the Ocean City area. At the height of the storm, tides were about two feet above normal. Beaches were closed to swimmers for several days as a result of strong rip currents.
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**MARYLAND, Southern Cont'd**

**Worcester County  
Ocean City**

30		2	0	0	0				<b>Rip Current</b> Two people drown after being trapped by rip currents. As a result of persistent rip currents, lifeguards have rescued nearly 5,000 people from the near-shore waters in the Ocean City area, a 400 percent increase over 1994. F391W, M101W
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Lower Maryland

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# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm	
					Killed	Injured	Property Crops		
<b>Eastern Shore MDZ21&gt;25</b>	<b>31</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Drought</b>	
								Much of the area had little or no measurable rainfall during the month of August, which intensified the dry conditions which began in July. Water use and outdoor burning restrictions were imposed in a number of locations, and, by late in the month, some crops such as soybeans were being severely impacted.	
<b>MARYLAND, Western</b>									
<b>Garrett County Countywide</b>	<b>06</b>	<b>0850EST-1100EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Flood/Flash Flood</b>
								Roads and a few basements were flooded near Deep Creek Lake. Roadflooding was also reported in the southern part of the county and in the extreme northern part of the county.	
<b>Garrett County Countywide</b>	<b>06</b>	<b>0850EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
								A few trees were downed by thunderstorm winds throughout the county.	
<b>DISTRICT OF COLUMBIA</b>									
								None were reported.	
<b>MASSACHUSETTS, Central and Eastern</b>									
<b>Hampden County Agawam</b>	<b>02</b>	<b>1441EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
								Two trees were reported uprooted as winds gusted to 55 mph.	
<b>Hampshire County Amherst</b>	<b>02</b>	<b>1445EST-1500EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
								The local fire department reported that trees and wires were blown down as a severe thunderstorm moved through the area.	
<b>Bristol County New Bedford</b>	<b>03</b>	<b>1200EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Lightning</b>
								A thunderstorm caused lightning damage and street flooding.	
<b>Hampshire County Ware</b>	<b>04</b>	<b>1415EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Hampshire County Ware</b>	<b>04</b>	<b>1420EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Worcester County Hardwick</b>	<b>04</b>	<b>1422EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Berkshire County Pittsfield, Beckett, Lenox</b>	<b>04</b>	<b>1452EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Hampden County Agawam, W. Springfield</b>	<b>04</b>	<b>1502EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Worcester County Warren</b>	<b>04</b>	<b>1515EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
								Severe thunderstorms affected parts of central and western Massachusetts with large hail and gusty winds. In Hampshire County dime-size hail fell and trees and wires were knocked down blocking roads in the town of Ware. Trees were blown down in Hardwick and Warren in Worcester County. Trees were also reported blown down and one house damaged in the Pittsfield area of Berkshire County. In Hampden County trees were blown down in Agawam, Westfield, and South Hadley. A window was smashed by flying debris in a house in South Hadley, and traffic signs were blown down in West Springfield. Power outages affected up to 6,000 electric customers in western Massachusetts. Lightning strikes started minor fires in some homes.	
<b>Norfolk County Medfield</b>	<b>12</b>	<b>1845EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
								Power lines were reported down.	
<b>MAZ007-015-019-020-022-023-024</b>	<b>15-21</b>	<b>0000EST-1800EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>High Waves</b>
								Hurricane Felix passed near Bermuda on a northwest track which approached the North Carolina coast before turning northeast from a hundred miles east of Cape Hatteras. The hurricane then passed well to the southeast of Cape Cod. Large ocean swells generated by the slow moving hurricane resulted in heavy surf and rip tides along the coast with an exposure to the open ocean. Dangerous conditions which began on Tuesday lasted through the following weekend. Officials closed many beaches to the public at various times for almost a week, as waves from six to ten feet high crashed ashore. North of Boston, six to eight foot waves were reported from Thatcher Island and Marblehead. South of Boston, four to eight foot waves were reported from Nantasket Beach to Marshfield. On Martha's Vineyard, waves were reported up to ten to fifteen feet high at South Beach.	
<b>MICHIGAN, Upper Central and Western</b>									
<b>Houghton County Redridge</b>	<b>30</b>	<b>1703EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
								Estimated winds of 75 to 80 mph.	
<b>Houghton County 10 NW Houghton</b>	<b>30</b>	<b>1705EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
								Trees were blown down.	
<b>Houghton County Mclain Park</b>	<b>30</b>	<b>1707EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
								Trees down on cabin and camper. Trees eight to 10 inches in diameter.	
<b>Houghton County Laurium</b>	<b>30</b>	<b>1710EDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
								Trees two to three feet in diameter down.	

# Storm Data and Unusual Weather Phenomena

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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>Houghton County</b> S S Calumet	30	1715EDT		0	0	0	0	0	<b>Thunderstorm Winds</b> Trees 20 to 30 feet high were blown down across road.
<b>Keweenaw County</b> Bumbletown	30	1724EDT		0	0	0	0	0	<b>Hail (0.50)</b>
<b>Houghton County</b> McLain Park	30	1848EDT		0	0	0	0	0	<b>Thunderstorm Winds</b> Trees 12 to 18 inches in diameter down.
<b>Houghton County</b> Lake Linden	30	1851EDT		0	0	0	0	0	<b>Thunderstorm Winds</b> Power poles and trees down.
<b>Houghton County</b> Calumet	30	1851EDT		0	0	0	0	0	<b>Thunderstorm Winds</b> Powerlines were knocked down.
<b>Houghton County</b> Houghton	30	1912EDT		0	0	0	0	0	<b>Thunderstorm Winds</b> Trees 12 to 20 inches in diameter down.
<b>Houghton County</b> 1 S Houghton	30	1912EDT			0	0	0	0	<b>Hail (0.75)</b>
<b>MICHIGAN, North Central</b>									
<b>Crawford County</b> 5 NNE Grayling	11	1715EDT		0	0	3	0	0	<b>Thunderstorm Winds</b> Numerous trees were brought down from strong thunderstorm winds between Grayling and Hartwick Pines along M-93.
<b>Otsego County</b> Waters	13	0900EDT			0	0	0	0	<b>Funnel Cloud</b> Otsego County Central Dispatch received reports of multiple funnel clouds just to the west of Interstate 75 in Waters.
<b>Gladwin County</b> Gladwin	13	1515EDT		0	0	3	0	0	<b>Thunderstorm Winds</b> Several trees were brought down due to strong thunderstorm winds along First, Spring, and Chatterton Streets. One of the trees fell on a house, causing minor structural damage.
<b>Clare County</b> 2 E Clare	13	1520EDT			0	0	3	0	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down a few large trees up to one foot in diameter just east of U.S. 27, causing minimal structural damage to a mobile home.
<b>Otsego County</b> Gaylord	18 18	0200EDT- 0400EDT		0	0	4	0	0	<b>Flash Flood</b> Torrential downpours associated with nearly stationary thunderstorms dumped up to five inches of rain in less than two hours in and around the community of Gaylord. Localized flash flooding resulted over portions of the area, with most of the damage confined along the Sturgeon and Pigeon Rivers, just east of Gaylord. Fill dirt around a newly-built home washed away, literally taking the basement and foundation out from under the structure. A few other homes reported basements flooded. A portion of Hayes Road, about one-quarter mile east of downtown Gaylord, was severely eroded when a catch-basin overflowed onto and across the road. County road commissioners estimate that road repairs will run \$7 thousand to \$12 thousand.
<b>MICHIGAN, Northern</b>									
<b>Oscoda County</b> Mio	11	1720EDT			0	0	?	?	<b>Thunderstorm Winds</b> Spotter in Mio reported downed power lines as a result of thunderstorm winds.
<b>Arenac County</b> Alger	11	1805EDT			0	0	0	0	<b>Funnel Cloud</b>
<b>MICHIGAN, Northern Cont'd</b>									
<b>Charlevoix County</b> Boyne City	17	2300EDT		0	0	?	?	0	<b>Flooding</b> Spotter reported 6.21 inches of rain fell since midnight. Some streets were flooded in Boyne City, and several roads were washed out elsewhere in Charlevoix County.
<b>MICHIGAN, Western</b>									
<b>Hillsdale County</b> 25 SSW JXN	01	1515EST			0	0	0	0	<b>Thunderstorm Winds (G50)</b> <b>Hail (0.75)</b> Trees and branches down near Sand Lake.
<b>Jackson County</b> Jackson	02	1630EST			0	0	2K	0	<b>Flood/Flash Flood</b> 3.17 inches of rain fell over downtown Jackson in less than an hour, causing sewage overflow into the Grand River. A newly installed stone retaining wall at the New Tribes Bible Institute partially collapsed when loose soil became saturated and gave way. Low lying streets were flooded throughout the city.
<b>Antrim County</b>									



# Storm Data and Unusual Weather Phenomena

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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>3 N Elk Rapids</b>	<b>04</b>	<b>0030EST</b>	<b>&lt;.1</b>	<b>&lt;.1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b> North of Elk Rapids, a cold air waterspout came ashore with enough force to break some six inch limbs out of some trees, and create the classic "Freight Train" sound heard by at least four people in nearby houses. Some minor roof damage was also noted on one house. The tree damage was between two houses and the track was less than .1 mile long. The waterspout dissipated quickly after coming on shore. No convective activity was observed, by any radar, in northern lower Michigan during that night.	
<b>Wexford County 2 N Hoxeyville</b>	<b>12</b>	<b>0005EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b> Trees and power lines were downed by the wind near Hoxeyville.	
<b>Hillsdale County 23 SW JXN</b>	<b>12</b>	<b>1855EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b> Trees and branches down. Reported by dispatch.	
<b>Hillsdale County 27 SSW JXN</b>	<b>12</b>	<b>1920EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b> Trees and powerlines down. Reported by emergency director.	
<b>Antrim 4 S Central Lake</b>	<b>13</b>	<b>0710EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b> In a small area south of Central Lake, a tree and some power lines were downed by the wind.	
<b>Osceola County Ewart 3 S Sears</b>	<b>13</b> <b>13</b>	<b>1332EST</b> <b>1340EST</b>			<b>0</b> <b>0</b>	<b>0</b> <b>0</b>	<b>0</b> <b>0</b>	<b>0</b> <b>0</b>	<b>Thunderstorm Winds (G50)</b> <b>Thunderstorm Winds (G50)</b> Large tree limbs and power lines were reported downed by the wind in Ewart and south of Sears.	
<b>Mason County Ludington</b>	<b>13</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>	<b>30K</b>	<b>0</b>	<b>Lightning</b> Lightning ignited an attic fire at a church.	
<b>Oceana County 5 SW Rothbury</b>	<b>13</b>	<b>1805EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b> Large tree limbs and some power lines were downed by the wind in an area along the Muskegon County border.	
<b>Muskegon County 5 NW Montague</b>	<b>13</b>	<b>1805EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b> Large tree limbs and some power lines were downed by the wind in an area along the Oceana County border.	
<b>Kalamazoo County Charleston Twp</b>	<b>14</b>	<b>2024EST</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b> A 33-year-old man was walking through his campsite in Coldbrook Park when he was struck and killed by lightning. M33CA	
<b>Van Buren County 2 N Decatur</b>	<b>15</b>	<b>1420EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b> Trees blown down by thunderstorm winds.	
<b>Van Buren County Paw Paw</b>	<b>15</b>	<b>1430EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind G50</b> Trees blown down in city by thunderstorm winds.	
<b>Branch County Coldwater</b>	<b>15</b>	<b>1520EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind G50</b> Tree down near Grass Lake Road.	
<b>Branch County Algansee Twp</b>	<b>15</b>	<b>1532EST</b>			<b>0</b>	<b>3</b>	<b>5k</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b> A tree blown over by thunderstorm winds struck a moving bus, entering the cab and front part of the vehicle and injuring	
<b>MICHIGAN, Western Cont'd</b>										
										the driver and two passengers.
<b>Branch County Montgomery</b>	<b>15</b>	<b>1545EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b> Tree damage reported by emergency director.	
<b>Hillsdale County Reading</b>	<b>15</b>	<b>1545EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b> Tree damage reported by emergency director.	
<b>Jackson County Grass Lake</b>	<b>15</b>	<b>1600EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b> 60 MPH wind and tree damage reported by amateur radio operators.	
<b>Allegan County Fennville</b>	<b>16</b>	<b>1255EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b> Trees blown down by thunderstorm winds just south of town.	
<b>Barry County Hastings</b>	<b>16</b>	<b>1500EST</b>			<b>0</b>	<b>0</b>	<b>1.6K</b>	<b>0</b>	<b>Lightning</b> Lightning ignited a fire that damaged half the roof of a home in Hastings.	
<b>Ingham County Mason</b>	<b>16</b>	<b>1612EST</b>			<b>0</b>	<b>0</b>	<b>50K</b>	<b>0</b>	<b>Lightning</b> Lightning struck a home and ignited a fire that destroyed the second story and caused heavy smoke and water damage to the first floor.	
<b>Kent County</b>										

# Storm Data and Unusual Weather Phenomena

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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>Lowell</b>	17	0415EST			0	0	30K	0	<b>Lightning</b>
									Lightning struck a storage barn that was then destroyed by fire. A church also lost the top half of its steeple as a result of lightning strike.
<b>Kent County Grand Rapids</b>	17	0445EST- 0535EST			0	0	10K	0	<b>Flood/Flash Flood</b>
									Rains up to two inches in less than a half hour caused flooding of intersections in northeast and southeast sections of the city. Two feet of water accumulated at Lake Drive and Breton Road. The rains caused a spill of 3.8 million gallons of diluted sewage into the Grand River.
<b>Kent County Grand Rapids</b>	17	1530EST- 1745EST			0	0	10K	0	<b>Flood/Flash Flood</b>
									Rains of more than two inches in less than a half hour resulting in totals of four to five inches within twelve hours caused an additional spill of 2.3 million gallons of diluted sewage into the Grand River following a similar spill early in the day. Homes in the southeast sector experienced basement flooding.
<b>Jackson County Jackson</b>	17	1130EST- 1430EST			0	0	20K	0	<b>Flood/Flash Flood</b>
									More than two inches of rain fell over the city, following similar amounts from the previous day giving two day totals near six inches at some locations. The flash flooding that resulted on this date left water two to three feet deep at many intersections and parking lots with water entering many cars and buildings, including the Y Center downtown where a gymnasium and other recreation rooms were flooded.
<b>Branch County Coldwater</b>	17	1600EST- 1800EST			0	0	0	0	<b>Flood/Flash Flood</b>
									Two and a one-half inches of rain fell in less than an hour, causing flooded streets where numerous cars stalled and stranded motorists.
<b>Newaygo County</b>	17	1645EST- 1845EST			0	0	0	0	<b>Flood/Flash Flood</b>
									Flash flooding occurred across the county from Fremont to White Cloud. The worst of the flooding was reported three miles east of Fremont along 48th street, where parts of the road and roadbed were washed away. No accidents were reported due to the flooding.
<b>Mecosta County</b>	17	1645EST- 1845EST			0	0	0	0	<b>Flood/Flash Flood</b>
									Flash flooding was reported between Paris and Morley. Numerous locations had water six to 10 inches deep, over the roads, for over an hour. No accidents were reported due to the flooding.
<b>Kalamazoo County Galesburg</b>	19	2045EST- 2145EST			0	0	0	0	<b>Flood/Flash Flood</b>
									A spotter reported two and a one-half inches of rain between 2000 and 2045 EST, with up to one foot of water flooding roadways.
<b>MICHIGAN, Eastern</b>									
<b>Livingston County Brighton</b>	01	1300EST			0	0	30K	0	<b>Lightning</b>
<b>MICHIGAN, Eastern Cont'd</b>									
									Lightning ignited a fire on the roof of a retreat for nuns and disabled persons. The fire heavily damaged the roof and parts of the walls of the building.
<b>Lenawee County Adrian</b>	01	1340EST			0	0	5K	0	<b>Thunderstorm Winds</b>
									Trees and powerlines were blown down. About 1,200 customers were without power.
<b>Lenawee County Adrian</b>	01	1415EST			0	0	10K	0	<b>Thunderstorm Winds</b>
									Trees and powerlines were blown down. A horse was killed.
<b>Monroe County Dundee</b>	01	1430EST			0	0	5K	0	<b>Thunderstorm Winds</b>
									Trees and powerlines were blown down.
<b>Lenawee County Morenci</b>	01	1500EST			0	0	80K	0	<b>Thunderstorm Winds</b>
									Strong straight-line winds associated with a thunderstorm destroyed five mobile homes in a campground. Extensive damage was done to the roof of a house when a large tree fell on the roof.
<b>Lenawee County Adrian</b>	03	1615EST			0	0	20K	0	<b>Thunderstorm Winds Lightning</b>
									A severe thunderstorm produced strong winds that downed trees and powerlines. In addition, four houses were struck by lightning.
<b>Monroe County Newport</b>	03	1640EST			0	2	5K	0	<b>Thunderstorm Winds</b>
									Trees and powerlines were blown down.
<b>Washtenaw County Saline</b>	03	1800EST			0	2	30K	0	<b>Lightning</b>
									A large oak tree heavily damaged two mobile when it was split in half by a lightning strike. Two occupants were trapped in one of the mobile homes, but only minor injuries.
<b>Wayne County</b>	03	1910EST-							

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					Killed	Injured	Property	Crops	
<b>Garden City</b>	<b>04</b>	<b>1118EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>River Flood</b> Heavy rainfall produced between two and three inches of rain over the Middle Rouge River Basin causing the river near Garden City to crest just above flood stage. The only resulting problem was the closing of Hines Park Road.
<b>Wayne County Lincoln Park Allen Park</b>	<b>08</b>	<b>0830EST</b>			<b>0</b>	<b>0</b>	<b>30K</b>	<b>0</b>	<b>Lightning</b> Lightning struck two homes and a church, causing extensive damage to all three structures.
<b>Midland County Southern Part</b>	<b>13</b>	<b>1320EST- 1330EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds Hail (1.75)</b>
<b>Bay County Countywide</b>	<b>13</b>	<b>1400EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Tuscola County Cass City</b>	<b>13</b>	<b>1405EST</b>			<b>0</b>	<b>0</b>	<b>250K</b>	<b>0</b>	<b>Lightning</b>
<b>Sanilac County Snover</b>	<b>13</b>	<b>1420EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Midland County Countywide</b>	<b>13</b>	<b>1430EST- 1500EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Bay County Countywide</b>	<b>13</b>	<b>1445EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Saginaw County Freeland</b>	<b>13</b>	<b>1521EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G60)</b>
<b>Saint Clare County Yale</b>	<b>13</b>	<b>1545EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Saginaw County North Side of Saginaw</b>	<b>13</b>	<b>1600EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b> A series of severe thunderstorms tracked across the Midland, Bay City, Saginaw area as a weak warm frontal boundary interacted with extremely humid air. Dew points were in the low to mid 70s across southern lower Michigan during the event. Most of the damage involved trees and powerlines being blown down. A lightning strike in Cass City in Tuscola county ignited a fire with caused an estimated \$250 thousand dollars of damage to the Walboro Corporation Aftermarket Division building.
<b>Lenawee County Rome Center Blissfield</b>	<b>13</b>	<b>1820EST- 1840EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>5K</b>	<b>Thunderstorm Winds Lightning</b> Trees and powerlines were blown down. In Adrian, 4,400 customers were without power after the storm. Lightning ignited a fire that damaged the roof of an apartment building in Adrian. A spotter reported large amounts of corn crop damage. The roof was blown off of a silo in Blissfield.
<b>MICHIGAN, Eastern Cont'd</b>									
<b>Monroe County Petersburg</b>	<b>13</b>	<b>1825EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b> Strong thunderstorm winds snapped two to three inch limbs off of several trees.
<b>Lenawee County</b>	<b>15</b>	<b>1600EST- 1900EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b> Thunderstorms training over the western part of the county produced four to five inches of rain. Many creeks and streams overflowed their banks flooding mainly secondary roads. No major damage or injuries were reported, just minor damage to some roads.
<b>Lenawee County Hudson</b>	<b>15</b>	<b>1630EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b> Several large trees were downed near the town of Hudson.
<b>Saginaw County Freeland</b>	<b>16</b>	<b>1840EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G57)</b> A spotter measured a wind gust to 66 mph.
<b>Lenawee County Clayton</b>	<b>16</b>	<b>1942EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b> Several trees ranging in diameter from two to 3.5 feet were blown down.
<b>Macomb County Frasier</b>	<b>17- 18</b>	<b>1430EST- 0300EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>River Flood</b> Heavy rains dropped around two inches in about two hours causing the Clinton River near Frasier to rise almost five feet in three hours, resulting in a crest of about two feet above flood stage. Damage resulted when basements were flooded due to backup of sewers along the Red Run Drain.
<b>MINNESOTA, Northeastern</b>									
<b>Crow Wing County Pequot Lakes</b>	<b>08</b>	<b>2248CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Breezy Point</b>	<b>08</b>	<b>2301CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Hail (2.50)</b>
<b>Pine County Sand Lake</b>	<b>18</b>	<b>2230CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Thunderstorm winds knocked down trees and power lines. Cars, barns, and homes were damaged by falling trees.
<b>St. Louis County Gowan Meadowlands</b>	<b>18</b>	<b>2230CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Thunderstorm Winds</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	
Strong thunderstorm winds knocked down many trees. Three trees damaged a house as they fell. The winds also severely damaged several farm structures and blew around some building materials and a grain trailer.									
<b>Itasca County</b> 10 NW Grand Rapids	27	2115CST			0	0	?	0	Hail (0.75)
<b>St. Louis County</b> Duluth	30	1400CST			0	0	100K	0	Lightning
A lightning strike started a fire that totally destroyed a home. No one was injured.									
<b>MINNESOTA, Central and South Central</b>									
<b>Kittson County</b> 1 N Hallock	02	1730CST	0.1	25	0	0	0	?	Tornado (F0)
1 S Hallock	02	1935CST			0	0	?	?	Hail (1.00)
<b>Roseau County</b> Badger	02	2105CST			0	0	0	?	Hail (1.75)
<b>Hennepin County</b> Minneapolis	04	0809CST			0	0	0	0	Thunderstorm Winds (G50)
<b>Faribault County</b> 3 E Easton	04	1515CST			0	0	0	?	Hail (0.75)
Severe crop damage.									
<b>Anoka County</b> 2 W Centerville	06	1607CST	Short	Narrow	0	0	0	0	Tornado (F0)
<b>Carver County</b> 1 SE Watertown	06	1700CST			0	0	0	0	Thunderstorm Winds (G52)
2 E Watertown	06	1705CST			0	0	0	0	Funnel Clouds
<b>Hennepin County</b> Mound	06	1743CST			0	0	?	0	Thunderstorm Winds (G58)
Trees and power lines down.									
<b>Dakota County</b> Burnsville	06	1800CST			0	0	?	0	Thunderstorm Winds
Trees and power lines down.									
<b>MINNESOTA, Central and South Central Cont'd</b>									
<b>Otter Tail County</b> Battle Lake	08	2135CST			0	0	?	?	Hail (1.50)
Parkers Prairie	08	2217CST			0	0	?	?	Hail (1.00)
<b>Morrison County</b> Pierz	09	0015CST			0	0	0	0	Hail (0.75)
<b>Swift County</b> 1 N Benson	11	0428CST			0	0	?	?	Thunderstorm Winds (G52)
<b>Pope County</b> Starbuck	11	0440CST			0	0	?	?	Thunderstorm Winds
Tree Damage.									
<b>Morrison County</b> Camp Ripley	11	0510CST			0	4	?	0	Lightning
Four members of Minnesota Army National Guard injured when lightning struck a nearby vehicle.									
<b>Stearns County</b> Melrose	11	0520CST			0	0	?	?	Thunderstorm Winds
Tree damage.									
<b>St. Cloud</b>	11	0535CST			0	0	?	0	Thunderstorm Winds (G59)
Trees were damaged. Strong wind reported by meteorology department at St. Cloud State University.									
<b>Hennepin County</b> Minneapolis	11	0730CST			0	1	0	0	Lightning
One person injured outside his home when lightning struck nearby garage.									
<b>Washington County</b> Forest Lake	11	1354CST			1	2	?	0	Lightning
A male struck and killed by lightning as he was headed for shelter on golf course. Two others were injured. M39GF									
<b>Scott County</b> New Prague	12	1940CST			0	0	0	0	Funnel Clouds
<b>Yellow Medicine County</b> Canby	13	1255CST			0	0	0	0	Thunderstorm Winds (G52)
There was some roof damage.									
<b>Kandiyohi County</b> 10 NE Willmar	13	1435CST			0	0	?	?	Thunderstorm Winds
Trees and power lines down.									
<b>Anoka County</b> 6 NW Anoka	13	1600CST			0	0	60K	0	Thunderstorm Winds
Multiple roofs damaged. Polebarn destroyed.									
<b>Hennepin County</b> Mound	13	1605CST			0	0	?	?	Thunderstorm Winds (G58)

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Washington County</b> Oakdale	13	1650CST			0	1	?	0	Lightning
<b>Olmsted County</b> Stewartville	13	2050CST			0	0	0	0	Thunderstorm Winds (G64)
<b>Faribault County</b> Kiester	13	2115CST			0	0	?	?	Thunderstorm Winds
					Trees down. A mobile home rolled one and one half times before exploding. Windows were sucked out of homes.				
<b>Freeborn County</b> Albert Lea	13	2140CST			0	0	?	?	Thunderstorm Winds
					There was roof damage to a pumphouse and also tree damage.				
<b>Dodge County</b> Kasson	13	2200CST			0	0	0	0	Thunderstorm Wind (G61)
<b>Olmsted County</b> 1 SW Rochester	13	2220CST	3	20	0	0	70K	0	Tornado (F0)
					Brief tornado touchdown resulted in extensive damage to office plaza roof. Several large trees uprooted. Numerous power lines down.				
<b>Eyota</b>	13	2228CST			0	0	0	0	Hail (0.75)
<b>Polk County</b> 11 N Trail	18	1640CST			0	0	0	0	Funnel Cloud
<b>Trail</b> Wright County	18	1645CST	0.1	25	0	0	?	?	Tornado (F0)
<b>3 SW Monticello</b>	18	2207CST			0	1	?	0	Thunderstorm Winds
					Tree fell on house injuring one person.				
<b>Isanti County</b> 4 S Cambridge	18	2250CST			0	0	?	0	Thunderstorm Winds (G50)
					A radio transmitter was blown down.				
<b>MINNESOTA, Central and South Central Cont'd</b>									
<b>Chisago County</b> North Branch	18	2258CST			0	0	?	?	Thunderstorm Winds (G61)
					There was roof damage at a mall. Cars were overturned. Trees and power lines were downed.				
<b>Hennepin County</b> Minneapolis	18	2312CST			0	0	0	0	Thunderstrom Winds (G51)
<b>Lake of the Woods County</b> 3 E Warroad	22	1012CST			0	0	0	0	Waterspout
					Department of Natural Resources official reported waterspout over the Lake of the Woods				
<b>Baudette</b>	22	1042CST			0	0	?	?	Thunderstorm Winds (G56)
					Seaplane blown ashore from dock. Trees down at Baudette Airport. There was reported roof damage.				
<b>Koochiching County</b> Ranier	22	1720CST			0	0	?	?	Hail (0.75)
<b>International Falls</b>	22	1722CST			0	0	?	0	Hail (1.50)
<b>International Falls</b>	22	1731CST			0	0	0	0	Thunderstorm Winds (G58)
<b>International Falls</b>	22	1735CST			0	0	?	?	Hail (3.00)
					Numerous reports of broken windshields and glass. Sheetmetal and fiberglass damage to light buildings.				
<b>Ray</b>	22	1810CST			0	0	?	?	Hail (2.00)
					Hail damaged windshield of weather spotter.				
<b>Roseau County</b> 1 N Skime	22	1830CST			0	0	?	?	Hail (1.00)
<b>Marshall County</b> Agassiz Refuge	22	1835CST			0	0	0	0	Funnel Cloud
<b>8 NW Goodridge</b>	22	1840CST			0	0	?	?	Hail (1.00)
<b>St. Louis County</b> 10 E Crane Lake	22	1845CST			0	0	?	0	Hail (2.75)
					Damage to seaplane on Lac La Croix.				
<b>Pennington County</b> High Landing	22	1930CST			0	0	?	?	Thunderstorm Winds
					Trees down with diameters of two feet.				
<b>Red Lake County</b> Plummer	22	1945CST			0	0	0	0	Funnel Clouds
<b>St. Louis County</b> 8 NW Crane Lake	22	2020CST	Short	Narrow	0	0	?	0	Tornado (F0)
					Brief tornado touchdown on shore of Moose Lake.				
<b>Red Lake County</b> 3 W Plummer	27	2000CST			0	0	?	0	Lightning
					Lightning induced fire destroyed 30 x 60 foot barn.				
<b>Renville County</b> Buffalo Lake	28	0610CST			0	0	0	0	Thunderstorm Winds
					Large trees down.				

## MINNESOTA, Southwest

None reported.

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>MISSISSIPPI, Northern</b>									
<b>Itawamba County Fulton</b>	<b>07</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Urban Flood</b> Some streets were flooded and a little water was reported in a restaurant in town with no damage occurring.
<b>Tishomingo County Iuka</b>	<b>08</b>	<b>1315CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b> A large tree was blown down.
<b>Alcorn County Corinth</b>	<b>16</b>	<b>1400CST</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heat</b> A woman died due to the heat in her parents' home. F37PH
<b>Itawamba County Fulton</b>	<b>20</b>	<b>1913CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Several trees and power lines were knocked down.
<b>MISSISSIPPI, Central</b>									
<b>Clarke County 10 E Quitman</b>	<b>03</b>	<b>1632CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>High Winds (G45)</b> Numerous trees and power lines were blown down. Nearly one third of the county was with out power.
<b>MISSISSIPPI, Central Cont'd</b>									
<b>Clarke County 3 W Quitman</b>	<b>03</b>	<b>1942CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>High Winds (G31)</b> A tree was blown over on to a house.
<b>Clarke County Stonewall</b>	<b>03</b>	<b>1949CST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>High Winds</b> A porch was blown off a house.
<b>Lauderdale County Meridian</b>	<b>03</b>	<b>2005CST</b>			<b>0</b>	<b>0</b>	<b>4K</b>	<b>0</b>	<b>High Winds (G35)</b> Five large trees were blown down. Roofing material was blown off a gas station.
<b>Jasper County</b>	<b>03</b>	<b>2030CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>High Winds</b> Five large trees were blown down in northeast Jasper County.
<b>Neshoba County 2 S Philadel- phia</b>	<b>03</b>	<b>2051CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>High Winds</b> Two trees were blown down on Highway 19.
<b>Clarke County 3 N Quitman</b>	<b>03</b>	<b>2109CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>High Winds</b> Several trees were blown down along Highway 45.
<b>Clarke County DeSota</b>	<b>03</b>	<b>2120CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>High Winds</b> Part of a roof was blown off of a house.
<b>Neshoba County Philadelphia</b>	<b>03</b>	<b>2301CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>High Winds</b> Numerous power lines and transformers were blown down.
<b>Kemper County 4 W DeKalb</b>	<b>03</b>	<b>2330CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>High Winds</b> Several trees were blown down along Highway 16.
<b>Forrest County Hattiesburg</b>	<b>04</b>	<b>1625CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Flash Flood</b> 3.02 inches of rain fell over Hattiesburg in a one hour time. Numerous streets were flooded. Water got into several houses and a motel. A few cars were inundated with water.
<b>Lamar County Oak Grove</b>	<b>04</b>	<b>1645CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b> Numerous roads and streets were covered with water.
<b>Lincoln County East Lincoln</b>	<b>20</b>	<b>1345CST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds (G45)</b> Several trees were blown down and the roofs of several chicken houses were damaged.
<b>Clarke County 10 E Quitman</b>	<b>20</b>	<b>1430CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Several trees and power lines were blown down.
<b>Clarke County Pachuta</b>	<b>20</b>	<b>1430CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b> A portion of the roof of an auditorium caved in and numerous windows were blown out.
<b>Jones County 5 SW Ellisville</b>	<b>20</b>	<b>1530CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Twenty large oak and pecan trees were blown along Highway 590.

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Jasper County</b> Rosehill	20	1622CST			0	0	1K	0	Thunderstorm Winds
Four trees were blown down.									
<b>Kemper County</b> Preston	20	1645CST			0	0	2K	0	Thunderstorm Winds
Several trees were blown down.									
<b>Neshoba County</b> House	20	1720CST			0	0	0	0	Hail (0.75)
<b>Scott County</b> Morton	20	1720CST			0	0	4K	0	Thunderstorm Winds
Numerous power lines and poles were blown down.									
<b>Rankin County</b> Pelahatchie	20	1735CST			0	0	1K	0	Thunderstorm Winds
Several trees were blown down along Highway 43.									
<b>Newton County</b> Decatur	20	1800CST			0	0	3K	0	Thunderstorm Winds
<b>MISSISSIPPI, Central Cont'd</b>									
Several power lines were blown down.									
<b>Attala County</b> McCool	20	2000CST			0	0	2K	0	Thunderstorm Winds
Several trees were blown down on Highway 12.									
<b>Attala County</b> Ethel	20	2045CST			0	0	0	0	Hail (0.75)
<b>MISSISSIPPI, Southeast</b>									
<b>MSZ067-075-076</b> Southeast Mississippi	03	1400CST- 2300CST			0	0	100K	0	<b>Hurricane Erin</b>
Hurricane Erin moved out of Washington County, Alabama into Greene and Wayne Counties in Mississippi. The storm moved generally along Highway 45 passing just south of Waynesboro around 2111 CST. Trees and power lines were blown down across Northern Greene, Northern Perry and most of Wayne Counties as Erin moved northwest. Some homes were damaged along Highway 45 and in the cities of Buckatunna and Waynesboro. Most of the damage was from trees falling on homes or shingles being blown from roofs. Wind speeds of 50 to 60 mph were estimated in Waynesboro. Preliminary damage estimates in these three counties was around \$100 thousand.									
<b>MISSISSIPPI, Southern</b>									
<b>Harrison County</b> D'Iberville	04	1240CST			0	0	0	0	Funnel Cloud
Funnel Cloud reported by the police department.									
<b>Amite County</b> Liberty to Gloster	20	1445CST			0	0	.5K	0	Thunderstorm Winds
Sheriff's office reported trees downed. Damage cost estimated.									
<b>Pearl River County</b> Poplarville	20	1455CST			0	0	.5K	0	Thunderstorm Winds
Sheriff's office reported Numerous trees downed. Damage cost estimated.									
<b>Harrison County</b> D'Iberville	20	1625CST			0	0	.5K	0	Thunderstorm Winds
Sheriff's office reported trees downed and carport damaged. Damage cost estimated.									
<b>MISSOURI, Eastern</b>									
<b>Osage County</b> Loose Creek Linn	07 07	1745CST 1754CST			0 0	0 0	0 0	0 0	Hail (0.75) Hail (0.75)
The county sheriff and highway patrol reported three-quarters inch diameter hail.									
<b>MOZ009-010-018-019- 026-027-034&gt;036-041- 042-047&gt;052-059&gt;065- 071&gt;076-083&gt;085- 099</b> Central, Northeast,	09 24	1300CST- 0600CST			9	230	0	.4M	Heat
East Central Missouri, yet another heat wave struck the Midwest during much of August with afternoon high temperature between 95 and 105 and heat indices between 110 and 120. Most heat related illnesses were in metropolitan areas, especially St. Louis where eight people died. Outside of St. Louis, a 93-year-old woman died in Potosi in a mobile home. The air conditioner had been turned off. Area crops, already damaged from earlier heat waves, continued to dry up with very low yields expected. M41P, F80P, M42P, F83P, F93P, M66P, M75P, F86P, F93P.									
<b>Clark County</b> Winchester	09	2355CST			0	0	.2K	0	Thunderstorm Winds
Numerous large trees and a few power poles were blown over.									
<b>Montgomery, Lincoln,</b>	10	0310CST-							

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Pike County</b>		<b>0610CST</b>			<b>0</b>	<b>0</b>	<b>4.2K</b>	<b>5K</b>	<b>Flash Flood</b>
									Several lines of thunderstorms moved through parts of central and northeast Missouri repeatedly producing flash flooding on area creeks and across some county roads. Minor crop damage was reported.
<b>Monroe County</b>									
<b>Paris</b>	<b>16</b>	<b>2036CST</b>			<b>0</b>	<b>0</b>	<b>.2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Several utility poles were blown down causing power outages.
<b>MISSOURI, Southeastern</b>									
<b>Scott County</b>									
<b>Miner</b>	<b>08</b>	<b>1920EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<b>MISSOURI, Southeastern Cont'd</b>									
<b>Cape Girardeau County</b>									
<b>Pocahontas Southeast MO</b>	<b>09</b>	<b>1525EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<b>MOZ086-087-100-109&gt;112-114</b>	<b>10-20</b>		<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heat Wave</b>
									Heat advisories were in effect for about a week as temperatures rose into the 90s each afternoon. Very high humidity caused heat indices to rise near 115 degrees on some afternoons.
<b>MISSOURI, Lower</b>									
									None reported.
<b>MISSOURI, Southwestern</b>									
<b>Howell County</b>									
<b>Mountain View</b>	<b>07</b>	<b>1030CST-1300CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Over four inches of rain caused localized flooding in Mountain View.
<b>Ozark County</b>									
<b>Udall</b>	<b>07</b>	<b>1322CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Wright County</b>									
<b>Dawson</b>	<b>07</b>	<b>1325CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Texas County</b>									
<b>2 N Dunn</b>	<b>07</b>	<b>1345CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm winds downed trees in Dawson and near Dunn.
<b>Texas County</b>									
<b>Success</b>	<b>07</b>	<b>1409CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Wright County</b>									
<b>5 N Mountain Grove</b>	<b>07</b>	<b>1409CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Mountain Grove</b>	<b>07</b>	<b>1428CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
<b>2 N Mountain Grove</b>	<b>07</b>	<b>1450CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Severe thunderstorms repeatedly moved through Wright County producing up to one inch hail and downing trees.
<b>Stone County</b>									
<b>Branson West</b>	<b>19</b>	<b>1300CST</b>			<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
									A 41-year-old man was killed and another man injured after lightning struck a tree, causing it to fall on a golf cart that the men were riding in. M41GF
<b>Greene County</b>									
<b>Springfield</b>	<b>31</b>	<b>1700CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.88)</b>
<b>5 NE Springfield</b>	<b>31</b>	<b>1715CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Ash Grove</b>	<b>31</b>	<b>1752CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>MISSOURI, Northwestern</b>									
<b>Pettis County</b>									
	<b>04</b>	<b>0300CST-0800CST</b>			<b>1</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Flood</b>
									Up to six inches of rain fell over Pettis county in less than six hours. Five and one-half inches was reported by a radio station on the west side of Sedalia. A 60-year-old man drowned around 0515 CST in Coon Creek. The man was driving his truck on Quisenberry Road about seven tenths of a mile north of Y highway in poor visibility. Flood waters had washed out a 60 foot section of roadway at the bridge crossing Coon Creek. The man drove into the washed out area of the bridge and fell 25 feet into the creek. His truck washed down stream 45 feet and was pinned against a tree. Flood waters also covered 50 Highway in Sedalia and Highway near Georgetown. Two to four feet of water closed Highway 65 along the northern edge of Sedalia and over Highway at Hughsville. M60V
<b>Pettis County</b>									
<b>Sedalia</b>	<b>06</b>	<b>0200CST-0400CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Flood</b>
									One to two inches of rain fell with streams and creeks already running high from heavy rains of recent days. Street flooding and flooding of basements was reported in Sedalia.
<b>Johnson County</b>									
<b>Knob Nobster</b>	<b>16</b>	<b>1731CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G57)</b>
									Thunderstorm winds gusted to 65 mph at Whiteman Air Force Base in Knob Nobster.
<b>Cooper County</b>									
<b>Lamine</b>	<b>16</b>	<b>1815CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>



# Storm Data and Unusual Weather Phenomena

August 1995

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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Strong thunderstorms knocked down trees in Lamine.

**MOZ001-011-012-020-028>032-037>040-044-046-054 Northwest and Northcentral**

02	1800CST-								
10	2359CST				0	0	0	0	River Flood

Only minor flooding occurred across portions of Northcentral and Northwest MO during August 1995. Hot dry weather during the later half of July allowed river to recede from the higher levels of late Spring and early Summer. However several rises

## MISSOURI, Northwestern Cont'd

to flood stage occurred in thunderstorms during the early part of the month.

River and Station	FLOOD STAGE REPORT		Crest	Date
	FS	ABOVE FS		
Blackwater River Blue Lick, MO	25	8/3 to 8/6	29.8	8/4
South Grand River Urich, MO	24	8/4 to 8/5	24.7	8/4
Lamine River Oterville, MO	15	8/4 to 8/5 8/6 to 8/7	E16.0 E16.0	8/4 8/6
Chariton River Praire Hill, MO	15	8/10 to 8/10	15.3	8/10
Petite Saline Creek Booneville, MO	16	8/6 to 8/7	E18.0	8/6
Missouri River Booneville, MO	21	8/4 to 8/5	21.3	8/5

## MISSOURI, Central

No entries were made for August.

## MONTANA

**Big Horn County  
Busby  
Flathead County  
Lakeside**

04	1850MST								Hail (1.00)
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04	2300MST								Thunderstorm Winds
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Thunderstorms over Flathead Lake earlier in the evening caused five to six foot waves to crash onto shore at the town of Lakeside. Several boats were snow and sea walls and docks were damaged. The winds were calm at the time when the waves were causing the damage.

**Gallatin County  
Bozeman  
Park County  
Livingston  
Madison County  
Ennis**

06	1355MST								Thunderstorm Winds (G51)
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06	1839MST								Thunderstorm Winds (G51)
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07	0700MST								Thunderstorm Winds (G59)
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A light airplane crashed just short of the airport at the time the wind was measured gusting to 68 mph.

**Missoula County  
Holland Lake**

07	1200MST	?	?	0	0	?	0		Tornado (F0)
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Several large trees were twisted and uprooted, blocking roads. Three cars were crushed by falling trees at the Holland Lake lodge.

**Missoula County  
Seeley Lake**

07	1215MST								Thunderstorm Winds Hail (0.75)
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Many trees were blown down, some falling onto a cars and homes. A 100-year-old windmill was blown over. Winds were estimated at 60 mph.

**Missoula County  
Bonner**

07	1300MST								Thunderstorm Winds
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Several trees were blown down.

**Custer County  
2 S Miles City**

07	1550MST					180K	0		Thunderstorm Winds
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The roof of a house was torn off by thunderstorm winds. Another house had part of it's roof torn off. A shed was also blown over and a garage was damaged. Several trees were blown down. Estimated damage was \$180 thousand. Winds up to 50 mph were recorded at the airport around this time. The time is estimated.

**Blaine County  
Chinook  
Daniels County  
Flaxville  
Sheridan County  
Redstone**

07	1555MST								Thunderstorm Winds (G54)
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07	1615MST								Thunderstorm Winds (G53)
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07	1625MST								Thunderstorm Winds (G52) Hail (0.75)
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**Richland County  
12 NNE Lambert  
Cascade County  
Great Falls**

07	1655MST								Hail (0.75)
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07	1800MST								Hail (0.75)
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Dime-size hail was reported at the Weather Service office.

Cascade County County

# Storm Data and Unusual Weather Phenomena

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					Killed	Injured	Property	Crops	
Great Falls	07	1810CST			0	0	0	0	Hail (0.75) Dime-size hail was reported in town.
<b>MONTANA Cont'd</b>									
Roosevelt County Poplar	07	1855MST			0	0	0	0	HAIL (0.75)
Richland County 5 S Savage	07	1933MST			0	0	0	0	Hail (0.75)
Flathead County Foy's Lake	10	1905MST			0	0	0	0	Hail (0.75)
Flathead County Ferndale	10	1950MST			0	0	0	0	Hail (1.75)
Flathead County Kalispell	11	1855MST			0	0	0	0	Hail (0.88)
Flathead County Kalispell	11	1910MST			0	0	0	0	Hail (1.75)
Flathead County Kalispell	11	1920MST			0	0	0	0	Hail (1.00)
Flathead County SE Ferndale	11	1945MST			0	0	0	0	Hail (1.75)
McCone County 8 SE Circle	12	1430MST			0	0	0	0	Hail (0.75)
McCone County 8 SE Circle	12	1500MST			0	0	?	?	Flash Flood Three inches of rain fell in one hour causing flooding. Road washouts and fence damage were reported. Water reached two feet deep in a field.
Richland County 1 S Savage	12	1630MST			0	0	10K	40K	Hail (1.75) Golf ball-size hail broke windows in a home and damaged vehicles. A wheat field was flattened.
Fergus County 6 E Hobson	17	1230MST			0	0	0	?	Hail (1.75) A storm spotter reported crop damage from golf ball-size hail.
Treasure County 20 W Forsyth	17	1935MST			0	0	0	0	Hail (0.75)
Prairie County 15 W Terry	17	2245MST			0	0	?	?	Hail (2.50) Tennis ball-size hail damaged a satellite dish.
Dawson County 2 W Glendive	18	0025MST			0	0	0	0	Hail (1.75)
Wibaux County Wibaux	18	0110MST			0	0	?	0	Thunderstorm WIND Several utility poles were snapped. A sign supported by eight to ten inch diameter poles was blown down. Numerous trees were toppled, some causing damage to buildings. Two TV transmitting antennae were blown down. A tree branch twelve-inches in diameter snapped off, hit a car, and damaged it. Parts of town were without electricity for up to eight hours.
Silver Bow County Butte	21	1323MST			0	0	0	0	Thunderstorm WIND (G54)
Missoula County Missoula	23	2025MST			0	0	0	0	Thunderstorm WIND (G52)
Park County 6 S Livingston	24	1000MST			0	1	0	0	Thunderstorm Winds Several large trees were blown down in a thunderstorm. One falling tree injured a person. Campers were trapped due to trees having been blown across a road.
Fergus County Lewistown	24	1412MST			0	0	0	0	Thunderstorm WIND (G53)
Park County Livingston	24	1744MST			0	0	0	0	Thunderstorm Winds (G51)
Valley County Wrn Glasgow	24	1800MST			0	0	?	0	Lightning A bolt of lightning struck a house, setting a pair of fires, one on the roof and one in the basement. The fire department had to be called out to extinguish the blazes.
Daniels County Scobey	24	1925MST			0	0	0	0	Thunderstorm Winds (G55)
Big Horn County Yellowtail	25	1545MST			0	0	0	0	Thunderstorm Winds (G52)
Liberty County Chester	26	1415MST			0	0	0	0	Hail (1.75)
Blaine County Chinook	26	1600MST			0	0	0	0	Thunderstorm Winds (G61)
Gallatin County Bozeman	26	1733MST			0	0	0	0	Thunderstorm Winds (G53)
Valley County 12 SE Glasgow	26	1745MST	?	?	0	0	0	0	TORNADO (F0) A small tornado moved through an open field.

MONTANA Cont'd

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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>Valley County</b> 5 W Fort Peck	26	1800MST	?	?	0	0	0	0	<b>Tornado (F0)</b>
<b>Valley County</b> Fort Peck	26	1800MST			0	0	6K	0	<b>Hail (3.00)</b> A sheriff's department vehicle had it's windshield broken when a hailstone ripped through it. Two other department vehicles were damaged by hail. Damage was estimated at \$6000.
<b>Valley County</b> 5 E Fort Peck	26	1810MST	?	?	0	0	0	0	<b>Tornado (F0)</b>
<b>Custer County</b> 15 NW Miles City	26	1815MST			0	0	?	?	<b>Hail (4.50)</b> A motorist driving on a road 15 miles northwest of Miles city had his windshield broken by hail ranging from golf ball to softball-size.
<b>Custer County</b> Miles City	26	1829MST			0	0	0	0	<b>Hail (1.75)</b>
<b>Rosebud County</b> Colstrip	26	1832MST			0	0	0	0	<b>Funnel Cloud</b>
<b>Rosebud County</b> Hathaway	26	1834MST			0	0	0	0	<b>Hail (0.75)</b>
<b>Custer County</b> Miles City	26	1837MST			0	0	0	0	<b>Hail (1.75)</b>
<b>Rosebud County</b> Hathaway	26	1844MST			0	0	0	0	<b>Funnel Cloud</b>
<b>Custer County</b> Garland	26	1845MST	?	?	0	0	0	0	<b>Tornado (F0)</b>
<b>Custer County</b> 4 E Miles City	26	1849MST			0	0	0	0	<b>Hail (1.75)</b>
<b>Prairie County</b> Fallon	26	1900MST			0	0	0	0	<b>Hail (0.75)</b>
<b>Dawson County</b> Richey	26	1910MST			0	0	0	0	<b>Hail (1.00)</b>
<b>McCone County</b> Vida	26	1945MST			0	1	25K	40K	<b>Hail (3.00)</b> Three-inch hail damaged car windshields and tore gutters off of homes. Several wheat fields sustained damage. The hail tore the roof off a John Deere combine. One woman was injured when hail struck her in the forehead.
<b>McCone County</b> 10 SE Vida	26	1949MST			0	0	10K	30K	<b>Hail (4.00)</b> Grapefruit-size hail damaged shingles and car windshields. Some wheat was destroyed. Some windows were also broken in houses.
<b>Dawson County</b> Richey	26	2045MST	?	?	0	0	?	0	<b>Tornado (F1)</b> The Saddle Club grounds office building was turned upside down. A set of bleachers on the grounds was thrown about forty feet into the arena and roof were torn off rest rooms. A camper trailer was totally destroyed.
<b>NEBRASKA, Extreme Northeast</b> None reported.									
<b>NEBRASKA, Eastern</b>									
<b>Deuel County</b> 8 NE Chappell	03	1830CST			0	0	380K	0	<b>Thunderstorm Winds (G80)</b>
<b>8 NE Chappell</b>	03	1830CST			0	0	0	1.5M	<b>Hail (1.25)</b> Wind driven hail and strong thunderstorm winds caused damage to crops, homes, and out-buildings, and power lines. 83,000 acres of corn, sunflowers, beans, and cane were damaged. Twenty farm buildings were damaged with an estimated cost of \$150 thousand. Structural damage to terraces and other out-buildings were estimated at \$230 thousand. Many large trees were uprooted.
<b>Keith County</b> 16 NW Ogallala	03	1900CST			0	0	0	0	<b>Hail (1.00)</b>
<b>17 NW Ogallala</b>	03	1900CST			0	0	0	0	<b>Hail (1.75)</b>
<b>Garden County</b> Lewellen	03	1930CST			0	0	10K	0	<b>Thunderstorm Winds (G60)</b> Numerous large trees down in town.
<b>Arthur County</b> 8 S Arthur	03	2000CST			0	0	0	0	<b>Hail (1.00)</b>
<b>Pierce County</b> 7 S Plainview	04	0955CST			0	0	0	0	<b>Hail (0.75)</b>
<b>Antelope County</b> 6 NE Oakdale	04	1000CST			0	0	0	0	<b>Hail (1.00)</b>
<b>Sheridan County</b> Hay Springs	04	1637CST			0	0	0	0	<b>Hail (1.00)</b>
<b>10 S Hay Springs</b>	04	1715CST			0	0	0	75K	<b>Hail (1.75)</b>
<b>NEBRASKA, Eastern Cont'd</b>									
<b>10 S Hay Springs</b>	04	1715CST			0	0	0	25K	<b>Thunderstorm Winds (G70)</b> The storm damaged an estimated 2,500 acres of beans and corn. The hail cut a five mile swath.
<b>Knox County</b> Walnut	05	0700CST			0	0	8.4K	0	<b>Lightning</b>

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					Killed	Injured	Property	Crops	
Seven head of Holstein cattle were struck by lightning in a storm that produced over five and one-half inches of rain.									
<b>Custer County</b>									
2 W Mason City	05	1228CST			0	0	0	0	Hail (1.75)
<b>Saline County</b>									
	05	1730CST-							
	05	1830CST			0	0	0	3.4M	Hail (1.00)
Wind-driven hail affected 11,560 acres of corn, grain sorghum and soybeans. Over 900 acres south of Friend were totally destroyed.									
<b>Lancaster County</b>									
14 N Lincoln	05	1740CST			0	0	0	0	Thunderstorm Winds (G50)
<b>Arthur County</b>									
10 S Arthur	05	1830CST			0	0	0	0	Thunderstorm Winds (G60)
<b>Jefferson County</b>									
Fairbury	05	1845CST			0	0	0	0	Thunderstorm Winds (G54)
<b>Gage County</b>									
3 W Ellis	05	1915CST			0	0	0	0	Thunderstorm Winds (G52)
<b>Ellis</b>									
	05	1925CST			0	0	0	0	Thunderstorm Winds (G54)
<b>Keith County</b>									
5 N Paxton	05	1940CST			0	0	0	0	Hail (1.00)
<b>Lincoln County</b>									
8 N Sutherland	05	1950CST			0	0	0	0	Hail (1.00)
7 S Sutherland	05	2030CST			0	0	0	10K	Hail (1.00)
<b>Mcpherson County</b>									
20 NE Tryon	08	1830CST			0	0	0	1K	Lightning
Lightning ignited a grass fire that burned 75 acres of grass.									
<b>Lincoln County</b>									
10 N Maxwell	11	1700CST			0	0	0	100K	Lightning
Lightning ignited a grass fire that burned 35,000 acres of grass.									
<b>Chase County</b>									
2 S Wauneta	11	2300CST			0	0	0	0	Lightning
Lightning ignited grass, burning five acres.									
<b>Chase County</b>									
7 E Imperial	11	2315CST			0	0	0	0	Lightning
Lightning ignited grass, burning 20 acres.									
<b>Seward County</b>									
Beaver Crossing	13	2058CST			0	0	0	0	Thunderstorm Winds (G52)
<b>Saline County</b>									
1 1/2 E Crete	14	0200CST			0	0	1.5K	0	Lightning
Lightning struck a metal track which started part of a barn roof on fire.									
<b>Otoe County</b>									
Syracuse	14	1851CST			0	0	5K	0	Lightning
Lightning struck the roof of the Church of Christ.									
<b>Holt County</b>									
Swan Lake	18	0530CST			0	0	0	0	Thunderstorm Winds (G52)
Wind uprooted several trees.									
<b>Keya Paha County</b>									
5 S Mills	18	0835CST			0	0	0	0	Thunderstorm Winds (G70)
5 SE Mills	18	0850CST			0	0	0	0	Hail (0.75)
Large tree limbs down.									
<b>Holt County</b>									
3 NW Swan Lake	18	1645CST			0	0	0	0	Hail (0.75)
<b>Knox County</b>									
7 W Creighton	18	1800CST			0	0	0	0	Thunderstorm Winds (G50)
<b>Pierce County</b>									
Osmond	18	1835CST			0	0	0	0	Thunderstorm Winds (G56)
<b>Wayne County</b>									
10 S Randolph	18	1925CST			0	0	0	0	Thunderstorm Winds (G52)
<b>Hooker County</b>									
10 SE Mullen	21	1720CST			0	0	0	0	Hail (2.00)
22 S Mullen	21	1730CST			0	0	0	0	Hail (1.75)
13 S Mullen					0	0	30K	.6K	Lightning
Lightning struck a metal-clad barn, destroying its contents of augers, various farm equipment, and scorching corn in a nearby									

## NEBRASKA, Eastern Cont'd

grain bin.

<b>Boyd and Holt Counties</b>	22	0400CST-			0	0	.6M	.5M	Flood
	22	1000CST							
Thunderstorms developed early in the morning over North Central Nebraska and moved east into tropical air. Once over Boyd County and northeastern Holt County, continuous redevelopment of thunderstorms resulted in five to eight inch rainfalls along the Niobrara River Basin. Several roads in Boyd County were washed out and numerous bridges suffered structural damage.									

Antelope, Cedar, Colfax, Knox, Madison, Pierce, Platte, and

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<b>Stanton Counties</b>	22 24	0500CST- 0500CST			0	0	.4M	0	<b>Flood</b>
									An unofficial report of nine inches of rain fell in western Madison County, with 7.22 inches at Creighton, 6.35 inches at Royal, and 5.60 inches at Neligh. The Ponca Creek, Bazile Creek Union Creek, North Fork of the Elkhorn River, and the Elkhorn River at West Point and Hooper all rose to above flood stage as a result of the heavy rains. The water crossed roads at numerous locations and some county roads were closed for a time. There was damage to sewer plants, basements, a golf course; including \$200 thousand worth of damage to a Neligh tractor dealer.
<b>Colfax, Dodge, and Platte Counties</b>	22	0617CST			0	0	25K	0	<b>Lightning</b>
									Lightning struck various power district equipment, causing outages in several communities.
<b>Perkins County</b>	25	1615CST			0	0	10K	0	<b>Thunderstorm Winds (G70)</b>
2 SW Brandon									Thunderstorm winds destroyed an unoccupied mobile home and also damaged a center pivot.
5 NE Grant	25	1715CST			0	0	0	20K	<b>Hail (0.75)</b>
6 NE Grant	25	1715CST			0	0	0	20K	<b>Hail (0.88)</b>
<b>Logan County</b>	25	1930CST			0	0	0	1.5K	<b>Lightning</b>
12 NE Stapleton									Lightning ignited grass, burning 50 acres.
<b>Knox County</b>	25	2000CST			0	0	0	1K	<b>Lightning</b>
15 W Verdigre									
<b>Keith County</b>	29	0300CST			0	0	0	30K	<b>Lightning</b>
5 NW Brule									Lightning ignited grass, burning 1,000 acres.
<b>Garden County</b>	31	0115CST			0	0	0	30K	<b>Lightning</b>
20 NE Oshkosh									Lightning ignited grass, burning 1,200 acres.
<b>Thomas County</b>	31	0200CST			0	0	0	0	<b>Lightning</b>
3 S Seneca									
20 S Seneca	31	1200CST			0	0	0	18K	<b>Lightning</b>
									Lightning ignited grass, burning 1,200 acres.
<b>NEBRASKA, South Central</b>									
<b>Sherman County</b>	05	1240CST			0	0	0	10K	<b>Hail (0.75)</b>
Loup City									
<b>Hazard</b>	05	1257CST			0	0	5K	50K	<b>Thunderstorm Winds (G69)</b>
4 N Ravenna	05	1310CST			0	0	30K	3.5M	<b>Thunderstorm Winds (G65)</b>
<b>Buffalo County</b>	05	1322CST	.1	25	0	0	0	0	<b>Tornado (F0)</b>
10 W Cairo									
<b>Ravenna</b>	05	1343CST			0	0	5K	150K	<b>Thunderstorm Winds (G60)</b>
<b>Howard County</b>	05	1350CST			0	0	0	150K	<b>Hail (0.75)</b>
1 SW Boelus									
<b>Hall County</b>	05	1400CST			0	0	5K	300K	<b>Thunderstorm Winds (G56)</b>
Cairo									
<b>6 NW Grand Island</b>	05	1414CST			0	0	5K	300K	<b>Thunderstorm Winds (G52)</b>
6 NW Grand Island to 5 NW Grand Island	05	1422CST- 1425CST	1	25	0	0	2K	50K	<b>Tornado (F0)</b>
<b>Grand Island</b>	05	1432CST			0	0	100K	0	<b>Thunderstorm Winds (G69)</b>
<b>Grand Island</b>	05	1435CST			0	0	1.0M	0	<b>Hail (1.75)</b>
<b>Grand Island</b>	05	1455CST			0	0	1.5M	500K	<b>Hail (2.00)</b>
<b>Merrick County</b>	05	1455CST			0	0	0	25K	<b>Thunderstorm Winds (G69)</b>
4 W Chapman									
<b>Kearney County</b>	05	1542CST			0	0	0	0	<b>Hail (1.00)</b>
7 N Axtell									
<b>NEBRASKA, South Central Cont'd</b>									
<b>Fillmore County</b>	05	1700CST			0	0	0	150K	<b>Hail (0.75)</b>
5 S Exeter									Thunderstorms producing hail up to golf ball-size and wind gusts up to 80 mph caused extensive crop damage across the southern portions of Sherman and Howard Counties, northern Buffalo County and western Hall County. Hardest hit was Sherman County, which sustained \$3.5 million in crop damage. Several grain bins were destroyed while numerous trees and power lines were downed. Two tornadoes were also spawned by the storms. In Grand Island, the roof of a high school building was damaged by the thunderstorm winds, and 1,000 vehicles and numerous houses suffered hail damage. Hail accumulated into drifts. The hail, combined with rainfall amounts up to four inches in less than one hour, caused minor street flooding in Grand Island.
<b>Franklin County</b>	13	1830CST			0	0	10K	0	<b>Thunderstorm Winds (G56)</b>
10 N Naponee									
<b>Adams County</b>	13	1900CST			0	0	5K	0	<b>Lightning</b>
5 NE Roseland									Thunderstorm winds blew a grain bin off of its foundation and downed several power poles north of Naponee. Lightning struck and ignited a barn near Roseland, causing moderate damage.
<b>Dawson County</b>	18	1750CST			0	0	15K	0	<b>Thunderstorm Winds (G65)</b>
5 SW Lexington									

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Thunderstorm winds in the form of a wet microburst turned a tractor-semitrailer on its side and destroyed an outbuilding.

Merrick County 1 W Chapman	31	0700CST			0	1	0	0	Lightning Lightning struck a man while he was repairing an electric fence. He suffered only minor injuries.
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## NEBRASKA, Extreme Southwest

Red Willow County 8 N McCook	22	1645CST			0	0	0	0	Hail (1.00)
Red Willow County 8 N McCook	22	1645CST			0	0	0	0	Thunderstorm Winds Six-inch diameter tree branches were downed.

## NEBRASKA, Western

Cheyenne County	03	1750MST			0	0	0	0	Thunderstorm Winds (G52) Thunderstorm winds gusted to 52 knots over the eastern part of the county.
Cheyenne County Sidney	05	1602MST			0	0	0	0	Thunderstorm Winds (G55)
Kimball County	07	1410MST			0	0	0	0	Thunderstorm Winds (G68) Thunderstorms produced strong wind gusts in the north central part of the county.
Cheyenne County	11	1516MST			0	0	0	0	Thunderstorm Winds (G53) Thunderstorms produced strong winds gusts 8 miles northwest of Sidney.
Scotts Bluff County	11	1647MST			0	0	0	0	Thunderstorm Winds (G70)
	11	1700MST			0	0	0	0	Thunderstorm Winds (G70) Strong thunderstorm winds downed branches in and to the south of Lyman. Thirty miles west of Scottsbluff, a three inch diameter tree was downed and power was knocked out for a time.

## NEVADA

NVZ004 West Central Nevada	01	?			0	0	?	?	High Winds High winds associated with a cold front lifted the roof of an animal feedstorage building at the Schurz Tribal Feed Lot. The strong winds also caused the loss of about half of the hay crop as leaves were stripped from downed hay.
NVZ003 Extreme Western Nevada	02	1508PDT-			0	0	?	0	Thunderstorm Winds (G58)
	02	1630PDT							Thunderstorm wind gusts to 58 mph were recorded at the Reno/Tahoe airport. The strong winds blew out a window in a store near central Reno, as well as a second floor window in a home near Virginia Lake. Flying debris also hit some cars driving on Reno freeways.
NVZ003-004 Extreme Western Nevada, West Central Nevada	05	1952PDT-			0	0	?	0	Thunderstorm Winds, Flash Flood
	05	2100PDT							Thunderstorm winds blew over a fence and a carport at Yerington. Local street flooding blocked off a couple of roads at Fernley, where several power outages were reported due to frequent lightning.
NVZ009 Extreme Southern Nevada	12	1338PDT-			0	0	3K	0	Thunderstorm Winds (G58)
	12	1730PDT			?	?	?	?	Flash Flood

## NEVADA Cont'd

Strong thunderstorms hit extreme southern Nevada as Monsoonal moisture began to effect the area. Rain from a storm washed away part of a road embankment and damaged a few mobile homes in Boulder City. Winds from the storm uprooted trees and damaged a carport. A 58 mph gust was recorded at Nellis air force base where several tree limbs were downed. Automated rain gages recorded almost one-half inch of rain in 15 minutes from this storm. Doppler radar estimated that from 1.10 to 2 inches of rain fell on the city of Jean during these storms.

NVZ002-003-004-005-006-007-008-	22	1620PDT-			0	0	1K	0	Flash Flood Thunderstorm Winds (G60)
	22	2109PDT							

Central Sierra,  
East Slopes,  
Extreme Western Nevada,  
West Central Nevada,  
Northwest Nevada,  
Northeast Nevada,  
East Central Nevada,  
South Central Nevada,  
Extreme Southern Nevada

Moist unstable air combined with strong afternoon heating trigger thunderstorms across the Silver State. Strong storms in Elko County dumped 1.23 inches of rain in Clover Valley. Other storms over Mineral, Douglas and Washoe counties produced about an inch of rain in a half hour period. The heavy rain led to running water over several streets. Across extreme southern Nevada, minor flash flooding in west Las Vegas flooded streets and filled the Oakey detention basin to a depth of five feet. Thunderstorm winds damaged a roof and downed large tree limbs.

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NVZ004-007-009</b> West Central Nevada, East Central Nevada, Extreme Southern Nevada	23 23	0945PDT- 2130PDT			1	0	100K	0	<b>Hail (0.88) Thunderstorm Winds Flash Flooding</b>
<p>Strong thunderstorms continued to pound Nevada for a second day, especially extreme southern Nevada. A severe thunderstorm packing strong winds, torrential downpours and large hail hit southwest Las Vegas. Winds from this storm downed several powerlines, destroyed two trailer homes, blew out numerous car windows and tore tiles off roofs. Nearby roads flooded quickly as rain fell at a rate of up to nine inches an hour for a short period. Flood waters swept a man caught underneath a bridge to his death. Across east central Nevada the Diamond Valley reported 0.88 inches of rain in a 20 minute period from a thunderstorm that caused significant street flooding. Other strong storms hit Churchill County, where one to two inches of rain fell 10 miles southeast of Fallon on Highway 50. Minor street flooding was reported.</p>									
<b>NEW HAMPSHIRE</b>									
<b>Strafford County</b>	12	1630EST			0	0	?	0	<b>Thunderstorm Winds</b>
Trees and power lines were downed by wind in Barrington, Dover, and Rochester.									
<b>NEW JERSEY, Northeast</b>									
<b>NYZ002&gt;006-011</b> Northeast New Jersey	01- 31				0	0	0	?	<b>Drought</b>
<p>August was an extremely dry month. Monthly rainfall totals averaged well below normal. Conditions across northeastern New Jersey became very dry from the lack of rain. These dry conditions fueled some scattered brush fires. A drought warning was issued for the region on August 29th.</p>									
<b>Bergen County</b> New Milford	04	2020EST			0	0	?	0	<b>Lightning</b>
Lightning struck a tree which in turned downed a nearby power line.									
<b>Union County</b> Plainfield	05	1630EST			0	0	?	0	<b>Lightning</b>
<b>Union County</b> Plainfield	05	1630EST			0	0	?	0	<b>Thunderstorm Winds</b>
A thunderstorm moving across the area downed a couple of trees and power lines. A house was damaged by lightning.									
<b>NEW JERSEY</b>									
<b>NJZ015&gt;022</b>	23	0900EST- 2100EST			0	?	?	?	<b>Heat Wave</b>
<b>NJZ009&gt;012</b>	25	0900EST- 2100EST			0	?	?	?	<b>Heat Wave</b>
<b>NJZ008</b> Morris County	01 04	0900EST- 2100EST			0	?	?	?	<b>Heat Wave</b>
One of the longest heat waves in the history of central and southern New Jersey, which began in late July, persisted until a									
<b>NEW JERSEY, Cont'd</b>									
<p>cold front and the remnants of Hurricane Erin prevented the area from reaching the 90 degree mark. The 17 straight days of 90 degree or higher temperatures fell one day short of the all-time record set at Philadelphia International Airport in 1988. Public Service Electric and Gas (PSE&amp;G) set a new record for power usage on the 2nd. Free fans were given to the poor and elderly in Monroe Township (Gloucester County) and jugs of water were distributed in Camden. The hottest temperatures reached during this heat wave included 98F in Pomona on the 4th (A new daily record.), 97F in Flemington and New Lisbon, 96F in Millville and New Brunswick and 95F in Boonton and Mount Holly. There were no reported heat related deaths during the August part of the heat wave.</p>									
<b>Mercer County</b> Hamilton Square Ewing Township	04 04	2220EST 2234EST			0 0	0 0	? ?	0 0	<b>Lightning Lightning</b>
Lightning damaged the radio, electrical and phone systems of a firehouse in Hamilton. Other lightning strikes resulted in a fire that gutted the Woodland Manufacturing Company in Ewing.									
<b>Monmouth County</b> Freehold	04	1645EST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Middlesex County</b> Woodbridge	04	1645EST			0	0	?	?	<b>Thunderstorm Winds</b>
Severe thunderstorms uprooted trees in both Freehold and Woodbridge.									
<b>Monmouth County</b> Clarksburg	04	1715EST			0	0	?	0	<b>Lightning</b>
A lightning strike completely obliterated the chimney of a Clarksburg house.									
<b>NJZ024&gt;026</b>	13 21	0900EST- 1900EST			1	?	?	0	<b>Rip Currents, Heavy Surf</b>
<b>NJZ014</b>	14 21	0900EST- 1900EST			4	?	?	0	<b>Rip Currents, Heavy Surf</b>
<p>Swells associated with Hurricane Felix generated rough surf and rip currents for about one week along the New Jersey shore. Five drownings occurred. A 17-year-old surfer drowned off Deal (Monmouth County) the night of the 14th. Two boys were swept off the beach by a large wave the around 1830 on the 17th at Point Pleasant Beach (Monmouth County). One body was</p>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
									not found until the next day. The same night a 45-year-old male drowned at Avon (Monmouth County) around 1930. The last drowning occurred at 1515 on the 19th when a 37-year-old surfer was knocked over by a large wave and was pinned underwater by a jetty in Atlantic City. Numerous injuries were reported, five alone in Long Beach Township on the 13th. The heavy surf inflicted a serious neck injury to a Wildwood man on the 15th. Heavy surf and rip currents started affecting the southern New Jersey shore on the 13th. In Cape May City, 79 water rescues occurred on the 13th, 76 more on the 14th as persons became trapped within rip tides. The rough surf spread to Monmouth County by the 14th and municipalities along the shore began restricting bathing. Hundreds of persons were drenched by a large wave in Atlantic City during the annual "Wedding of the Sea" ceremony at the JFK Plaza on the 15th. By the middle of the week (16th), waves reached ten feet at Atlantic City and up to eight feet at Sandy Hook and most bathing was prohibited. For Atlantic City, this was the first time bathing was prohibited since Hurricane Gloria in 1985. As Felix floundered and weakened offshore, bathing restrictions began to be lifted on the 20th. While tidal flooding was only minor, the weeklong pounding by the heavy surf caused considerable beach erosion. Erosion in Cape May County was described as moderate to heavy. The beach in Ocean City suffered considerable erosion as 80 yards of beach disappeared and a 10 foot cliff was created by the surf at 5th street. In Ventnor (Atlantic County) ten to fifteen feet of beach was eroded. (M17IW), (M11IW), (M13IW), (M37IW), (M45IW)
<b>NJZ009-010-012-015-019</b>	<b>15-18</b>	<b>1000EST-2000EST</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b> While eastern parts of New Jersey received a relatively cooler flow from the ocean because of Hurricane Felix, interior west central New Jersey had its last heat wave of this season. Most high temperatures were between 90F and 95F. It was hotter across Pennsylvania farther away from the oceanic influence and record highs of 96F and 97F were set respectively on the 17th and 18th at Philadelphia International Airport.
<b>Warren County 3 SW Millbrook</b>	<b>22-23</b>	<b>0125EST-0900EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Wildfire</b> An unseasonably dry summer and August helped exacerbate a forest fire in the Delaware Water Gap region in Pahaquarry Township. About 30 acres burned before the fire was contained.
<b>Ocean County 4 N Tuckerton</b>	<b>24-25</b>	<b>1100EST-0600EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Wildfire</b> A second and much larger forest fire exacerbated by the dry summer started around noon on the 24th in the Stafford Forge Fish and Wildlife Management Area in Eaglewood Township. Around 200 acres of forest burned before it was contained. In a move to prevent additional fires the New Jersey Forest Fire Service banned all open fires in New Jersey on the 25th and declared an extreme risk of forest fires in the 11 northernmost counties within their jurisdiction.
<b>NJZ001-007&gt;010-012&gt;026 NJZ001-007-010-012&gt;020-026</b>	<b>Month Long</b>				<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Unseasonably Warm</b> <b>Month Long</b> August 1995 was one of the ten warmest Augusts on record for most of the region. Except for Atlantic, Cape May and Cumberland Counties, it was also one of the driest Augusts on record. August 1995 was the 8th warmest on record in Atlantic City (75.6F) and the 2nd warmest on record in nearby Philadelphia (79.9F). August 1995 was the driest August on record in New York City and the 10th driest August on record in Philadelphia. Except for the southeast part of the state, monthly precipitation deficiencies average between 2.5 and 3.5 inches with only 20 percent of normal precipitation falling
<b>NEW JERSEY, Cont'd</b>									in Hunterdon and Warren Counties.
<b>NJZ001-007-010-012&gt;026 NJZ001-007-010-012&gt;020-026</b>	<b>Season Long</b>				<b>10</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Unseasonably Warm</b> <b>Season Long</b> The summer of 1995 was one of the warmest and driest on record for New Jersey. Summer 1995 was the warmest on record 78.6F in Philadelphia; it was also the 3rd driest summer on record (4.69 inches). There were at least 24 heat related deaths throughout the state. The unseasonably dry weather continued a drought that started last September for most of the state. The September 1994-August 1995 drought was the longest on record for the state since July 1984-August 1985. Precipitation deficiencies since September 1994 have reached around 18 inches in Middlesex County, 17 inches in Hunterdon, Morris and Somerset Counties and 15 inches in Burlington and Salem Counties. Water restrictions started in mid August in Sussex County and the drought forced the New Jersey Department of Environmental Protection to declare a drought warning in seven northeast New Jersey Counties including Morris and Somerset on August 29th. The lack of precipitation lowered agricultural yields especially the corn and tomato crops. (M49BO), (F90PH), (M59CA), (M78PH), (M79PH), (M?GF), (??OT), (??OT), (??OT)
<b>NEW MEXICO, Central and Northern</b>									
<b>Union County 12 NW Clayton</b>	<b>05</b>	<b>1330MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind (G55)</b> Clayton Police Department reported winds estimated at 65 MPH northwest of Clayton. No reported damage with these high winds.
<b>Lincoln County Alto</b>	<b>14</b>	<b>1100MST</b>			<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>Lightning</b> Lightning jolted five golfers and hospitalized another in critical condition with burns on his chest and arms. The group claimed no warning of nearby thunder or lightning.
<b>Colfax County 10 S Raton</b>	<b>14</b>	<b>1730MST</b>			<b>0</b>	<b>1</b>	<b>6K</b>	<b>0</b>	<b>Lightning</b> A vehicle traveling south on Interstate 25 in heavy rain was struck by lightning causing severe sheet metal damage to the left front and right rear body sections and destroying the right rear tire. A passenger suffered minor bruises/burns to her arm.
<b>Santa Fe County Santa Fe</b>	<b>22</b>	<b>1530MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>



# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
A heavy thunderstorm flooded several arroyos and low crossings on the Santa Fe River just south of Santa Fe. Three men were rescued by the fire department after unsuccessfully trying to cross a flooded arroyo in a truck.									
<b>Santa Fe County</b> <b>Santa Fe</b>	<b>26</b>	<b>1400MST</b>			<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
									Lightning struck twice as two brothers worked on metal scaffolding next to a house. A 44-year-old man was stunned by the first strike and was grabbed by his 33-year-old brother before falling off the scaffold. Both men were shocked by a second lightning strike to the scaffold while trying to retreat through a second story window.
<b>Lincoln County</b> <b>Ruidoso</b>	<b>30</b>	<b>1550MST- 1610MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>NEW MEXICO, Eastern</b>									
<b>Union County</b> <b>12 NW Clayton</b>	<b>05</b>	<b>1330MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G55)</b>
									Clayton Police Department reported winds estimated at 65 MPH northwest of Clayton. No reported damage occurred with these high winds.
<b>NEW MEXICO, Southeast</b>									
<b>Lea County</b> <b>2 NW Hobbs</b>	<b>14</b>	<b>1440MST- 1442MST</b>	<b>0.4</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b>
									The Hobbs Police Department reported a rope tornado that briefly touched down.
<b>Lea County</b> <b>Hobbs</b>	<b>15</b>	<b>0400MST- 0700MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									One to two feet of water covered some roads in the city of Hobbs. Several cars stalled in the water.
<b>NEW MEXICO, South Central and Southwest</b>									
									None reported.
<b>NEW YORK, Coastal</b>									
<b>NYZ067&gt;081</b> <b>Southeast New York</b>	<b>01- 31</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>?</b>	<b>Drought</b>
<b>NEW YORK, Coastal Cont'd</b>									
August was an extremely dry month. For example, New York City received only 0.18 inches of precipitation which made this the driest on record. There was also 24 consecutive days where no precipitation fell in Central Park. Conditions across extreme southeastern New York became very dry from the lack of rain. These dry conditions fueled scattered brush fires, the largest occurring over eastern Long Island. A drought watch was in effect all month. In Rockland County this was upgraded to a drought warning on the 30th.									
<b>Westchester County</b> <b>Scarsdale</b>	<b>02</b>	<b>1500EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Lightning</b>
									A home was significantly damaged after being struck by lightning.
<b>Westchester County</b> <b>Bedford</b> <b>Pound Ridge</b>	<b>04</b>	<b>1245EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees and power lines were downed during the passage of a severe thunderstorm.
<b>Westchester County</b> <b>Ossining</b>	<b>05</b>	<b>1740EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Flash Flood</b>
<b>Orange County</b> <b>Warwick</b>	<b>05</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorms moving across the region produced torrential rains in Westchester County. Significant transportation disruptions occurred as some highways and parking lots were flooded. Winds generated by one thunderstorm was sufficient to down trees and power lines in Warwick.
<b>Suffolk County</b> <b>Fire Island</b> <b>Hamptons</b>	<b>14- 20</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Heavy Surf</b>
									Swells being generated from hurricane Felix caused major problems for coastal residents of Suffolk County. As the swell approached the coast, large waves began to form. This created a very heavy surf which in turn caused beach erosion and tidal flooding. Two homes on Fire Island collapsed into the ocean after being undercut by the surf.
<b>Putnam County</b> <b>Kent Cliffs</b>	<b>31</b>	<b>2040EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A severe thunderstorm moving through the county downed several trees and power lines.
<b>NEW YORK, Eastern</b>									
<b>Greene County</b> <b>Acra</b>	<b>01</b>	<b>1415EST</b>			<b>0</b>	<b>4</b>	<b>1K</b>	<b>0</b>	<b>Dust Devil</b>
									A dust devil at the Acra Manor blew pool furniture around and injured four people.

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Southern Tier</b>	<b>03</b>	<b>PM</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Record Heat</b>
A hot and humid airmass was established across the Northeast. Binghamton reached 91 degrees which broke the previous record of 90 degrees set back in 1957.									
Clinton County Plattsburgh	03	1400EST			0	0	10K	0	Thunderstorm Winds
Warren County Adirondack	03	1425EST			0	0	10K	0	Thunderstorm Winds
Essex County Ticonderoga	03	1439EST			0	0	10K	0	Thunderstorm Winds
Oneida County Lee Center	03	1620EST			0	0	5K	0	Thunderstorm Winds
Vienna	03	1646EST			0	0	2K	0	Thunderstorm Winds
Taberg	03	1710EST			0	0	6K	0	Thunderstorm Winds
Camden	03	1720EST			0	0	6K	0	Thunderstorm Winds
Florence	03	1745EST			0	0	5K	0	Thunderstorm Winds
Herkimer County Big Moose	03	1800EST			0	0	5K	0	Thunderstorm Winds
Eagle Bay	03	1805EST			0	0	7K	0	Thunderstorm Winds
Hamilton County Inlet	03	1805EST			0	0	4K	0	Thunderstorm Winds
Oneida County Holland Patent	03	1810EST			0	0	3K	0	Thunderstorm Winds
Saratoga County Greenfield	03	1852EST			0	0	7K	0	Thunderstorm Winds
Saratoga Springs	03	1900EST			0	0	5K	0	Urban Flooding
Charlton	03	1910EST			0	0	4K	0	Thunderstorm Winds
Charlton	03	1910EST			0	0	5K	0	Lightning
Malta	03	1910EST			0	0	4K	0	Thunderstorm Winds
Clifton Park	03	1920EST			0	0	4K	0	Thunderstorm Winds
Washington County Salem	03	1940EST			0	0	4K	0	Thunderstorm Winds
Saratoga County Ballston Lake	03	2028EST			0	0	5K	0	Thunderstorm Winds
Fulton County Mayfield	03	2043EST			0	0	5K	0	Thunderstorm Winds
<b>NEW YORK, Eastern Cont'd</b>									
Broadalbin	03	2050EST			0	0	5K	0	Thunderstorm Winds
Saratoga County Ballston Spa	03	2130EST			0	0	15K	0	Lightning
Jonesville	03	2131EST			0	0	4K	0	Thunderstorm Winds
Elnora	03	2131EST			0	0	5K	0	Thunderstorm Winds
Schenectady County Schenectady	03	2145EST			0	0	15K	0	Urban Flooding
Scotia	03	2150EST			0	0	5K	0	Thunderstorm Winds
Saratoga County Saratoga Lake	03	2200EST			0	0	10K	0	Lightning
Round Lake	03	2200EST			0	0	7K	0	Thunderstorm Winds
Saratoga County Round Lake	03	2200EST- 2300EST			0	0	15K	0	Flash Flood
Saratoga County Schuylerville	03	2213EST			0	0	4K	0	Thunderstorm Winds
Albany County Loudonville	03	2235EST			0	0	2K	0	Hail 0.75
Rensselaer County Rensselaer	03	2305EST			0	0	4K	0	Thunderstorm Winds
Albany County Colonie	03	2310EST			0	0	4K	0	Thunderstorm Winds
Saratoga County Clifton Park	04	0142EST			0	0	4K	0	Thunderstorm Winds
A warm and humid airmass was established across the Eastern United States. A stationary front from New York State eastward into Southern New England produced clusters of severe thunderstorms which were accompanied by very frequent lightning and torrential downpours. Lightning struck three homes in Saratoga County which caused roof and attic damage. Torrential rains also produced urban flooding in the cities of Schenectady and Saratoga Springs. A flash flood occurred in the town of Round Lake in Saratoga County as Ballston Creek overflowed its bank and a truck was washed into the creek.									
Franklin County	04	0500EST- 1100EST			0	0	10K	0	Flood
Essex County	04	0500EST- 1100EST			0	0	5K	0	Flood
A cold front moved southeast from Canada during the afternoon of the 4th and became elongated across northern portions of New York on the 5th before moving south on the 6th. During the day of August 5th, this front helped to focus the heaviest rains across northern New York. The remnants of Tropical Storm Dean resulted in off shoots of tropical moisture moving northeast along the front enhancing the rainfall. Road washouts were reported in the Belmont area in Franklin County.									
Broome County Triangle	04	1250EST			0	0	3K	0	Thunderstorm Winds
Maine	04	1305EST			0	0	3K	0	Thunderstorm Winds
Rensselaer County Averill Park	04	1325EST			0	0	2K	0	Hail (0.75)

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Albany County</b>									
Colonie	04	1345EST			0	0	7K	0	Thunderstorm Winds
Loudonville	04	1345EST			0	0	2K	0	Thunderstorm Winds
Albany	04	1350EST			0	0	2K	0	Thunderstorm Winds
Albany	04	1350EST			0	0	10K	0	Urban Flood
<b>Columbia County</b>									
Chatham	04	1400EST			0	0	4K	0	Thunderstorm Winds
Kinderhook	04	1400EST			0	0	4K	0	Thunderstorm Winds
Valatie	04	1400EST			0	0	4K	0	Thunderstorm Winds
Ghent	04	1405EST			0	0	4K	0	Thunderstorm Winds
Hudson	04	1410EST			0	0	4K	0	Thunderstorm Winds
<b>Broome County</b>									
Deposit	04	1415EST			0	0	8K	0	Thunderstorm Winds
<b>Delaware County</b>									
Downsville	04	1425EST			0	0	2K	0	Thunderstorm Winds
<b>Columbia County</b>									
Countywide	04	1445EST			0	0	10K	0	Thunderstorm Winds
A weak cold front from Canada pushed south across New York State during the afternoon hours of the 4th. The severe thunderstorm winds snapped telephone poles in Deposit in Broome County. Heavy downpours also caused urban flooding in the city of Albany as storm sewers backed up.									
<b>Clinton County</b>									
Chazy	11	1515EST			0	0	5K	0	Thunderstorm Winds
Mooers	11	1515EST			0	0	5K	0	Thunderstorm Winds
Beekmantown	11	1530EST			0	0	10K	0	Thunderstorm Winds
Plattsburgh	11	1530EST			0	0	10K	0	Thunderstorm Winds
Dannemora	11	1530EST			0	0	5K	0	Thunderstorm Winds
Point Au Roche	11	1530EST			0	0	10K	0	Thunderstorm Winds
Saranac	11	1530EST			0	1	0	0	Lightning
Black Brook	11	1540EST			0	0	5K	0	Thunderstorm Winds
<b>NEW YORK, Eastern Cont'd</b>									
<b>Schenectady County</b>									
Schenectady Airport	11	1829EST			0	0	0	0	Thunderstorm Winds (G52)
<b>Essex County</b>									
Crown Point	11	1917EST			0	0	10K	0	Lightning
An upper air disturbance moved across New York during the afternoon and evening hours of the 11th producing scattered severe thunderstorms. The thunderstorms were accompanied by frequent lightning. A woman was struck by lightning while on the phone in the town of Saranac. She was hospitalized and released. Lightning also set a garage on fire in the town of Crown Point in Essex County which stored an antique car.									
<b>Franklin County</b>									
Westville	12	1930EST			0	0	5K	0	Lightning
Lightning caused a barn fire in Westville.									
<b>Oneida County</b>									
Camden	15	1930EST			0	0	5K	0	Thunderstorm Winds
An isolated severe thunderstorm downed trees and power lines in the Camden area in Oneida County.									
<b>Southern Tier</b>									
	18	PM			0	0	0	0	Record Heat
Binghamton reached 88 degrees which broke the previous record high of 84 degrees set back in 1983.									
<b>Oneida County</b>									
Camden	31	1330EST			0	0	10K	0	Thunderstorm Winds
North Beach	31	1400EST			0	0	15K	0	Thunderstorm Winds
Rome	31	1405EST			0	0	0	0	Thunderstorm Winds (G59)
<b>Madison County</b>									
Chittenango	31	1410EST			0	0	8K	0	Thunderstorm Winds
<b>Herkimer County</b>									
Frankfort	31	1440EST			0	0	0	0	Thunderstorm Winds (G52)
Herkimer	31	1445EST			0	0	4K	0	Thunderstorm Winds
T. of Schuyler	31	1500EST			0	0	7K	0	Thunderstorm Winds
<b>Montgomery County</b>									
St. Johnsville	31	1505EST			0	0	8K	0	Thunderstorm Winds
Fort Plain	31	1515EST			0	0	4K	0	Thunderstorm Winds
<b>Schenectady County</b>									
Schenectady	31	1607EST			0	0	4K	0	Thunderstorm Winds
<b>Albany County</b>									
Albany	31	1615EST			0	0	0	0	Thunderstorm Winds (G55)
Colonie	31	1615EST			0	0	5K	0	Thunderstorm Winds
Albany	31	1615EST			0	0	20K	0	Thunderstorm Winds
<b>Rensselaer County</b>									
Troy	31	1630EST			0	0	4K	0	Thunderstorm Winds
<b>Cortland County</b>									
Cortlandville	31	1710EST			0	0	20K	0	Thunderstorm Winds
<b>Tioga County</b>									
Spencer	31	1725EST			0	0	8K	0	Thunderstorm Winds
<b>Cortland County</b>									
Cortland	31	1730EST			0	0	5K	0	Thunderstorm Winds
Cincinnatus	31	1730EST			0	0	5K	0	Thunderstorm Winds
<b>Tioga County</b>									
Berkshire	31	1730EST			0	0	5K	0	Thunderstorm Winds
<b>Broome County</b>									
Triangle	31	1730EST			0	0	3K	0	Thunderstorm Winds (G60)

## Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
Castle Creek Tioga County	31	1735EST			0 0	5K 0	Thunderstorm Winds (G60)
Newark Valley Cortland County	31	1735EST			0 0	5K 0	Thunderstorm Winds
Lapeer Tioga County	31	1740EST			0 0	10K 0	Thunderstorm Winds
Owego Broome County	31	1745EST			0 0	10K 0	Thunderstorm Winds
Port Crane Chenango	31	1745EST			0 0	5K 0	Thunderstorm Winds (G60)
Chenango County Greene	31	1745EST			0 0	8K 0	Thunderstorm Winds (G60)
Broome County Maine	31	1747EST			0 0	8K 0	Thunderstorm Winds
Chenango County Bainbridge	31	1750EST			0 0	25K 0	Thunderstorm Winds
Broome County Chenango Forks	31	1807EST			0 0	6K 0	Thunderstorm Winds
Sanford Delaware County	31	1815EST			0 0	18K 0	Thunderstorm Winds
Franklin	31	1815EST			0 0	30K 0	Thunderstorm Winds
Sidney	31	1815EST			0 0	2K 0	Lightning
Hamden	31	1825EST			0 0	7K 0	Thunderstorm Winds
Walton	31	1830EST			0 0	10K 0	Thunderstorm Winds
					0 0	20K 0	Thunderstorm Winds

### NEW YORK, Eastern Cont'd

Hancock Sullivan County	31	1845EST			0 0	20K 0	Thunderstorm Winds
Fallsburg	31	1915EST			0 0	10K 0	Thunderstorm Winds
Swan Lake	31	1930EST			0 0	0 0	Thunderstorm Winds (G65)
Monticello	31	1940EST			0 0	12K 0	Thunderstorm Winds
Grahmsville	31	1940EST			0 0	7K 0	Thunderstorm Winds
Woodridge Dutchess County	31	2000EST			0 0	14K 0	Thunderstorm Winds
Wappingers Falls	31	2045EST			0 0	5K 0	Thunderstorm Winds

Fast moving severe thunderstorms caused widespread damage across central and eastern New York. There were many reports of downed trees and power lines along with recorded wind gusts in excess of 50 knots. Thunderstorm winds ripped a three by six foot portion of a metal roof off a building at Binghamton Regional Airport in the town of Maine in Broome County. Sheet metal was also ripped off a barn in Schuylers in Herkimer County. In Delaware County five cows were struck and killed by lightning in the town of Franklin.

### Areawide

**monthlong** 0 0 0 ? **Drought**

On August 9, the New York State Drought Task force declared a "Drought Watch" for the Catskills (Delaware, Greene, Otsego, Schoharie, Sullivan and Ulster counties), and the Hudson-Mohawk Region (Albany, Columbia, Dutchess, Fulton, Oneida, Herkimer, Montgomery, Rensselaer, Saratoga, Schenectady, and Washington Counties). The Hudson and Mohawk Valleys including the Catskills experienced extreme drought conditions while areas north of the Mohawk Valley and north of Saratoga County in the Hudson Valley saw severe drought conditions. At the end of August precipitation deficits of six to 12 inches were common in the extreme drought area. The drought produced a reduction in corn yield due to the shorter and slender ears. Hay yields were also down as many areas saw a very small second cutting or none at all. Wells ran dry in many communities and a Water Emergency was declared in Herkimer County and the Town of Deerfield in Oneida County.

### NEW YORK, Western

Monroe County Rochester	03	1400EST			0 0	25K 0	Thunderstorm Winds
Orleans County Ridgeway	03	1400EST			0 0	9K 0	Thunderstorm Winds
Monroe County Henrietta	03	1426EST			0 0	5K 0	Thunderstorm Winds
Wayne County Walworth	03	1515EST			0 0	8K 0	Thunderstorm Winds
Wyoming County Warsaw	03	1515EST			0 0	5K 0	Thunderstorm Winds
Cayuga County Meridan	03	1545EST			0 0	10K 0	Thunderstorm Winds
Monroe County Erie County	03	1600EST			0 0	35K 0	Flash Flood
Elma Cayuga County	03	1605EST			0 0	8K 0	Thunderstorm Winds
Cato Erie County	03	1610EST			0 0	7K 0	Thunderstorm Winds
Boston Boston	03	1615EST			0 0	13K 0	Thunderstorm Winds
Oswego County Lysander	03	1620EST			0 0	3K 0	Hail (1.00)
Wyoming County Warsaw	03	1630EST			0 0	6K 0	Thunderstorm Winds
Oswego County Hastings	03	1635EST			0 0	11K 0	Thunderstorm Winds
Genesee County Stafford	03	1645EST			0 0	8K 0	Thunderstorm Winds
Oswego County Fulton	03	1655EST			0 0	4K 0	Thunderstorm Winds
	03	1655EST			0 0	6K 0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Central Sq.</b>	<b>03</b>	<b>1700EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Severe thunderstorms crossed the area resulting in fallen trees and power lines, nearly continuous lightning and record rainfall. In Monroe County, traffic was disrupted by flash flooding caused by over two inches of rain in a very short time. Numerous power outages were also reported.									
<b>Cattaraugus County</b>									
<b>Olean</b>	<b>04</b>	<b>1400EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Steuben County</b>									
<b>South Corning</b>	<b>04</b>	<b>1500EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A weak cold front crossed the area during the afternoon producing isolated, severe thunderstorms. In Olean, the thunderstorm winds downed a 70-foot willow tree.									
<b>Chautauqua County</b>									
<b>Westfield</b>	<b>11</b>	<b>0805EST</b>			<b>0</b>	<b>0</b>	<b>18K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Westfield</b>	<b>11</b>	<b>0825EST</b>			<b>0</b>	<b>0</b>	<b>7K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Thunderstorms with damaging winds, downpours and lightning moved onshore from Lake Erie resulting in damage over parts of extreme western Chautauqua County. The thunderstorm winds downed trees and power lines. The downed tree limb damaged three cars in Westfield.									

## NEW YORK, Western Cont'd

<b>Onondaga County</b>									
<b>Syracuse</b>	<b>15</b>	<b>1900EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Dewitt</b>	<b>15</b>	<b>1940EST-</b>							
<b>Syracuse</b>	<b>15</b>	<b>2100EST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>0</b>	<b>Flash Flood</b>
<b>Cayuga County</b>									
<b>Auburn</b>	<b>15</b>	<b>1900EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Lightning</b>
<b>Auburn</b>	<b>15</b>	<b>1905EST-</b>							
		<b>2100EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Flash Flood</b>
Isolated severe thunderstorms developed in a hot and humid airmass. The storms downed trees and power lines in Onondaga County, which left about 11,000 customers without power. Power outages were also reported in southern Cayuga County due to lightning strikes. About 2,500 homes were left without power. Torrential rainfall with these storms also caused flash flooding. In Onondaga County, flooding was most severe in Dewitt, and on the south and east sides of Syracuse, where many motorists were stranded in headlight-deep water after attempting to drive through flooded roads. Several people had to be rescued after they became trapped in their cars by fast-rising water. Nearly three and a half inches of rain fell within an hour in some areas. Flash flooding was less severe in southern Cayuga County where there were several reports of flooded roads.									
<b>Oswego County</b>									
<b>Scriba</b>	<b>31</b>	<b>1310EST</b>			<b>0</b>	<b>0</b>	<b>6K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Hannibal</b>	<b>31</b>	<b>1310EST</b>			<b>0</b>	<b>0</b>	<b>8K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Parish</b>	<b>31</b>	<b>1320EST</b>	<b>0.1</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>30K</b>	<b>0</b>	<b>Tornado (F0)</b>
<b>Onondaga County</b>									
<b>Baldwinsville</b>	<b>31</b>	<b>1330EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Cicero</b>	<b>31</b>	<b>1345EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>N. Syracuse</b>	<b>31</b>	<b>1345EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Niagara County</b>									
<b>Lockport</b>	<b>31</b>	<b>1430EST</b>			<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<b>Genesee County</b>									
<b>Batavia</b>	<b>31</b>	<b>1505EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Monroe County</b>									
<b>Irondequoit</b>	<b>31</b>	<b>1530EST</b>			<b>0</b>	<b>0</b>	<b>8K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Wyoming County</b>									
<b>Covington</b>	<b>31</b>	<b>1551EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Pike</b>	<b>31</b>	<b>1558EST</b>			<b>0</b>	<b>0</b>	<b>8K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Yates County</b>									
<b>Penn Yan</b>	<b>31</b>	<b>1640EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Schuyler County</b>									
<b>Tyrone</b>	<b>31</b>	<b>1650EST</b>			<b>0</b>	<b>0</b>	<b>7K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Steuben County</b>									
<b>Bath</b>	<b>31</b>	<b>1655EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Urbana</b>	<b>31</b>	<b>1655EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Schuyler County</b>									
<b>Reading</b>	<b>31</b>	<b>1700EST</b>			<b>0</b>	<b>0</b>	<b>8K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Steuben County</b>									
<b>Hammondsport</b>	<b>31</b>	<b>1705EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Tompkins County</b>									
<b>Groton</b>	<b>31</b>	<b>1710EST</b>			<b>0</b>	<b>0</b>	<b>8K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Ithaca</b>	<b>31</b>	<b>1715EST</b>			<b>0</b>	<b>0</b>	<b>12K</b>	<b>0</b>	<b>Thunderstorm Winds (G69)</b>
<b>Schuyler County</b>									
<b>Burdette</b>	<b>31</b>	<b>1715EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Hector</b>	<b>31</b>	<b>1715EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Watkins Glen</b>	<b>31</b>	<b>1715EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Tompkins County</b>									
<b>Dryden</b>	<b>31</b>	<b>1720EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Schuyler County</b>									
<b>Montour Falls</b>	<b>31</b>	<b>1725EST</b>			<b>0</b>	<b>0</b>	<b>12K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Dix</b>	<b>31</b>	<b>1725EST</b>			<b>0</b>	<b>0</b>	<b>12K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Tompkins County</b>									
<b>Slaterville</b>									
<b>Springs</b>	<b>31</b>	<b>1740EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Brooktondale</b>	<b>31</b>	<b>1755EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Thunderstorm Winds</b>

A fast moving line of severe thunderstorms crossed the region causing widespread damage. There were countless reports of downed trees and power lines, many onto cars and houses. Several SKYWARN observers recorded wind gusts of 60-70 mph as the storms moved through. In Niagara County, lightning struck two Lockport residents as well as three construction workers

# Storm Data and Unusual Weather Phenomena

August 1995

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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working in Lockport. All five suffered only minor injuries and were treated and released from area hospitals. In Oswee County, a weak tornado touched down in Paris severely damaging a mobile home, blowing a cap off a truck, damaging fencing and downing numerous trees. One person sustained slight injuries when she was knocked down during the storm.

## NORTH CAROLINA, North Coastal

<b>Currituck County</b> NCZ17-102	15-17		0	0	0	0	0	0	<b>Hurricane Felix</b>
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Hurricane Felix threatened the Virginia, Maryland and northeast North Carolina coasts during the three-day period. No major damage was reported in Currituck County from Felix, although some beach erosion occurred in the Outer Banks area of Currituck County. At the height of the storm, tides were between two and 2.5 feet above normal. Beaches were closed to

## NORTH CAROLINA, North Coastal Cont'd

swimmers for several days as a result of strong rip currents. Evacuation orders were issued for residents and visitors of the Currituck County Outer Banks around noon on August 15.

## NORTH CAROLINA, Central Coastal

<b>Dare County</b> Rodanthe	06	2145EST			0	0	4	0	<b>Thunderstorm Winds</b>
Frisko	06	2215EST			0	0	0	0	<b>Thunderstorm Winds</b>

Ten by 20 foot section of the Pamlico Station roof blown off in Rodanthe. Windows blown out of a parked car and truck. Winds estimated at 80 to 90 mph. Twelve inch oak tree broken at the ground in Frisko. Winds estimated at 60 to 65 mph.

<b>Dare County</b> Rodanthe	13	1130EST			1	2	0	0	<b>Rip Currents</b>
Hags Head	13	1345EST			1	1	0	0	<b>Rip Currents</b>

Two people drowned and several others were rescued in strongrip currents produced by Hurricane Felix which was still 800 miles away. M45IW, M50IW

<b>NCZ047-081-094-095-098-102&gt;104</b>	15-17	0000EST-2000EST			1	0	5	5	<b>Hurricane Felix</b>
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Hurricane Felix came within 200 miles of Cape Hatteras, stalled for several hours, and then drifted north and east away from the coast. Highway 12 began flooding on the 16th and continued sporadically through the 20th. Minor structural damage was reported on the Outer Banks where a peak wind gust of 43 mph was reported. One drowning was reported near Emerald Isle because of strong rip currents. Officials in Carteret County reported a tourism loss of \$1.2 million. M16IW

## NORTH CAROLINA, South Coastal

<b>Brunswick County</b> 1 E Ocean Isle Beach	09	1620EST	<b>Short</b>		?	?	?	?	<b>Waterspout</b>
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A fishing vessel reported the waterspout.

<b>Brunswick County</b> Fort Fisher	13	1630EST			2	?	?	?	<b>Rip Current</b>
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Rip currents induced by Hurricane Felix drowned two swimmers. M18IW, M33IW.

## NORTH CAROLINA, Central

<b>McDowell County</b> Marion	11	1525EST			0	0	5K	0	<b>Thunderstorm Winds</b>
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Medium size trees down. Tin roof blown off farm building.

<b>Henderson County</b> Fletcher	11	1800EST			0	0	0	0	<b>Thunderstorm Winds</b>
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Trees and power lines down.

<b>Rowan</b>	15	1340EST			0	0	20K	0	<b>Lightning</b>
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Lightning struck a barn and an abandoned house starting fires.

<b>Union County</b> nr Waxhaw	15	1710EST			0	0	0	0	<b>Thunderstorm Winds</b>
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Trees down near Waxhaw in SW Union County.

<b>Davidson County</b> Lexington	18	1900EST			0	0	150K	0	<b>Lightning</b>
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Lightning started three house fires.

<b>Polk</b>	19	1900EST-2200EST			0	0	60K	0	<b>Flash Flood</b>
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The Pacolet River flooded forcing 20 residents to evacuate. A restaurant sustained water damage as well as several mobile homes.

<b>Haywood County</b> Waynesville	19	2110EST			0	0	0	0	<b>Thunderstorm Winds</b>
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Large trees down.

<b>Transylvania County</b>	27	0030EST			0	0	0	0	<b>Flash Flood</b>
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Eight roads closed by floods.

<b>Henderson County</b> Bat Cave	27	0130EST			0	0	0	0	<b>Flash Flood</b>
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Mud slides. Numerous secondary roads closed.

**Union County**

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
Wesley Chapel, Waxhaw, Monroe, Union Trail	27	0300EST-1800EST			0	0	0	0	Flash Flood
<b>NORTH CAROLINA, Central Cont'd</b>									
The remnants of Hurricane Jerry dropped eight to nine inches of rain producing serious flooding. Many roads and bridges were flooded or washed out. In Waxhaw, a driver was rescued from his vehicle which had water up to the windows. In the Pilgrim Forest subdivision near Monroe, a family was rescued by rope from their flooded home.									
Cabarrus County Kannapolis, Harrisburg	27	0300EST-1800EST			0	0	1.5M	0	Flash Flooding
The remnants of Hurricane Jerry dropped eight to nine inches of rain producing serious flooding. A mobile home park and a nursing home were evacuated. Many homes and 30 roads sustained flood damage. Three miles of Interstate 85 were closed due to flooding from the Rocky River.									
Mecklenburg County Charlotte	27	0300EST-1800EST			0	0	0	0	Flash Flooding
The remnants of Hurricane Jerry dropped eight to nine inches of rain producing serious flooding. Three hundred families were evacuated from their homes, some by boat. Many roads and bridges were flooded or washed away. Several roads were covered with three to five feet of water.									
Alamance County Haw River, Mebane	27-28	1600EST-0015EST			4	0	100K	0	Flash Flooding
The remnants of Jerry produced a near record rainfall event in northeastern Alamance (10 inches) and southeastern Caswell Counties (15 inches). The majority of this water fell in the drainage basin of the Stag and Back Creeks. The result was a major flood that took four lives. Three people (two adults and one child) drowned when their car was washed off the road where Stage Creek runs under Highway 49. An hour later, a vehicle was washed off the road where the creek passes under Highway 119, just north of Mebane. The occupant was rescued, but a local fire fighter was drowned when his safety line got tangled in debris. Later that evening, the water flowed into Back Creek and caused record flooding on the Back Creek where it passes under Highway 70.									
Person County Hyco Lake	27-28	1630EST-0300EST			0	0	0	0	Flash Flooding
The remnants of Jerry produced a near record rainfall in the drainage basin of the Hyco Creek and reservoir. Fifteen inches of rain in Caswell County flowed into Person County. This on top of a general six inch rain, caused major flooding. Campers had to be evacuated and many roads and bridges were closed or damaged.									
Moore County Robbins	27	1800EST-2345EST			0	0	0	0	Flash Flooding
Nearly five inches of rain fell in an hour forcing the evacuation of 25 residents. Several roads were flooded.									
Wake County NE Raleigh	27-28	1840EST-0100EST			0	0	6M	0	Flash Flooding
Over 140 homes and businesses in Raleigh were either damaged or destroyed due to flash flooding. Governor Jim Hunt estimates the uninsured losses at \$6 million.									
Orange County Chapel Hill	27-28	1900EST-0100EST			0	0	750K	0	Flash Flooding
At least 26 roads were closed and there were four apartment complexes evacuated. Five of the city's schools sustained flood damage. Damage was also reported to some railroad tracks just west of Chapel Hill. Nineteen buildings were damaged across the campus of the University of North Carolina. Bolin Creek, normally less than a foot deep, rose to more than six feet, carrying sections of asphalt away from the Bolin Creek Greenway.									
Franklin	27	1940EST-2330EST			0	0	300K	0	Flash Flood
Several roads were closed due to flooding. The Department of Transportation estimates the road damage at \$250 thousand. Several homes sustained water damage and an historic mill was destroyed.									
Lee County Sanford	27-28	2105EST-0300EST			0	0	0	0	Flash Flood
Heavy rain proved too much for the Sandy Park Dam, causing it to leak. Several residences around the dam were evacuated.									
Cleveland	27	2130EST			0	1	0	0	Flash Flooding
A man was injured when he attempted to cross a bridge that was unknowingly washed out.									
Nash County Spring Hope	27-28	2140EST-0730EST			0	0	0	0	Flash Flooding
Persistent heavy rain caused significant flooding along creeks and closed or damaged several highways.									
Polk County Greenbrier Cove	27	2300EST			0	0	0	0	Flash Flood
Numerous second roads flooded.									

**NORTH CAROLINA, Central Cont'd**

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Henderson County Tuxedo</b>	27	2330EST			0	0	0	0	<b>Flash Flood</b>
			Secondary roads flooded. One family evacuated.						
<b>Johnston</b>	28	0100EST- 0300EST			0	0	118K	0	<b>Flood</b>
			Rushing water damaged 11 roads and three bridges. A spokesman for the Department of Transportation estimated the damage at \$118 thousand.						
<b>NORTH CAROLINA, Extreme Southwestern</b>									
<b>Cherokee County Andrews</b>	19	2048EST			0	0	0	0	<b>Hail (0.75)</b>
<b>Cherokee County Marble</b>	19	2048EST			0	0	5K	0	<b>Thunderstorm Winds</b>
			Several trees were blown down.						
<b>NORTH CAROLINA, Northwestern and North Central</b>									
<b>Wilkes County Nr Hays</b>	03	1700EST			0	0	20K	?	<b>Lightning</b>
			An isolated thunderstorm in northwest North Carolina produced damaging lightning. Lightning started a fire which destroyed a cabin near Hays.						
<b>Wilkes County Wilkesboro</b>	18	1710EST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Wilkes County Traphill</b>	18	1745EST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Wilkes County Austin</b>	18	1805EST			0	0	20K	?	<b>Lightning</b>
<b>Yadkin County 3 W Hamptonville</b>	18	1823EST			0	0	75K	?	<b>Lightning</b>
<b>Yadkin County Yadkinville</b>	18	1825EST			0	0	8K	?	<b>Lightning</b>
<b>Yadkin County Yadkinville</b>	18	1828EST			0	0	.70K	?	<b>Lightning</b>
<b>Watauga County Blowing Rock</b>	18	1910EST			0	0	?	?	<b>Thunderstorm Wind</b>
			Thunderstorms in northwest North Carolina during the early evening hours on the 18th produced damaging lightning and damaging winds. Thunderstorm winds downed trees, large tree limbs, power poles and power lines in Blowing Rock and downed trees in Wilkesboro and Traphill. Lightning started a fire which resulted in \$75 thousand in damage to a church three miles west of Hamptonville. Lightning started a fire which destroyed a barn, 20 bales of hay and lumber in Austin. Lightning destroyed two computer systems and a telephone at a business in Yadkinville. There was also extensive electrical damage done as well. Total damage was estimated at \$8 thousand.						
			Another lightning strike in Yadkinville resulted in \$700 in damage to a phone system at a business in Yadkinville.						
<b>Surry County 1.5 NNW Elkin to Elkin</b>	27	1345EST- 1750EST			0	0	?	?	<b>Flash Flood</b>
<b>Wilkes County 1 NW Ronda</b>	27	1405EST- 1735EST			0	0	?	?	<b>Flash Flood</b>
<b>Caswell County SE Portions</b>	27	1600EST- 2000EST			0	0	50.0K		<b>Flash Flood</b>
			Thunderstorms during the afternoon and evening hours on the 27th produced very heavy rainfall and flash flooding. Flash flooding from heavy rains in the southeastern portions of Caswell County washed out a bridge three miles west of Prospect damaged some roads and resulted in numerous roads being flooded and closed. Several roads were flooded to a depth of three to four feet and several motorists were left stranded. Runoff from heavy rainfall flooded Big Elkin Creek from Elkin to 1.5 miles north-northwest of Elkin. Portions of a park were under six inches of water and a nearby road was flooded. A creek one mile northwest of Ronda flooded a road after very heavy rainfall.						
<b>NORTH DAKOTA</b>									
<b>Morton County Flasher</b>	02	1500CST			?	?	?	?	<b>Hail (1.00)</b>
			Thunderstorm winds of 55 to 60 mph were also reported.						
<b>Morton County 1 N Flasher</b>	02	1628CST			?	?	?	?	<b>Thunderstorm Winds (G60)</b>
<b>Burleigh County 5 S Bismarck</b>	02	1713CST			?	?	?	?	<b>Hail (0.75)</b>
<b>Oliver County Center</b>	02	1719CST			?	?	?	?	<b>Hail 1.75</b>
<b>Burleigh County 5 S Bismarck</b>	02	1723CST			?	?	?	?	<b>Tornado</b>
<b>NORTH DAKOTA, Cont'd</b>									
<b>Morton County 10 S Mandan</b>	02	1740CST			?	?	?	?	<b>Hail (1.00)</b>
<b>Morton County 9 NW Mandan</b>	02	1745CST			?	?	?	?	<b>Hail (0.75)</b>
<b>Burleigh County Sterling</b>	02	1750CST			?	?	?	?	<b>Hail (0.88)</b>



# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
Morton County 8 NW Mandan	02	1755CST			?	?	?	?	Hail (0.75)
Burleigh County 4 N Bismarck	02	1808CST			?	?	?	?	Hail (0.75)
Walsh County Park River	02	2010CST			?	?	?	?	Hail 1.00
Grand Forks County Larimore	02	2050CST			?	?	?	?	Thunderstorm Winds (G52)
Grand Forks County Grand Forks Airport	02	2101CST			?	?	?	?	Thunderstorm Winds (G52)
Grand Forks County Grand Forks Air Force Base	02	2108CST			?	?	?	?	Thunderstorm Winds (G56)
Grand Forks County Grand Forks	02	2112CST			?	?	?	?	Thunderstorm Winds (G60)
A severe thunderstorm moved across Grand Forks County producing strong winds that downed trees and power lines. One thousand six hundred homes in Grand Forks lost power.									
Hettinger County New England	12	1500CST			?	?	?	?	Hail (1.75)
Hettinger County Regent	12	1537CST			?	?	?	?	Hail (1.75)
Slope County 8 E Amidon	12	1627CST			?	?	?	?	Hail (1.75)
Sioux County 2 N Morrystown	12	1730CST			?	?	?	?	Hail (0.75)
Sixty mph winds also reported.									
McLean County 4 S Mercer	17	2030CST			?	?	?	?	Hail (0.75)
McKenzie County 2 NE Keene	18	0255CST			?	5M	2M	?	Hail (4.50)
Softball-size hail reported by Department of Emergency Services. Eighty-five sections in NE McKenzie County affected with nearly \$7 million damage to crops and buildings.									
McKenzie County Keene	18	0300CST			?	?	?	?	Hail (1.75)
McKenzie County sheriff reported several houses and cars with windows broken.									
Mckenzie County 9 SE Grassy Butte	18	0300CST			?	?	?	?	Hail (1.75)
Dunn County Killdeer	18	0330CST			?	?	?	?	Hail (1.00)
Montrail County Plaza	18	0345CST			?	?	?	?	Hail (1.75)
Bigger hail possible but reportedly broke into smaller pieces as it hit the ground.									
Montrail County Newtown	18	0400CST			?	?	?	?	Hail (2.75)
Fifty-five mph winds also reported.									
Montrail County Parshall	18	0400CST			?	?	?	?	Thunderstorm Winds (G70)
Roof ripped off of Parshall Post Office as well as numerous tree branches down in Parshall.									
Montrail County Parshall	18	0405CST			?	?	?	?	Thunderstorm Winds (G78)
Ward County Minot	18	0430CST- 0445CST			?	3	40M	10M	Hail (1.50-4.00)
A severe thunderstorm moved through Ward County in the early morning hours. Hail the size of walnut di extensive damage to crops and property. A camper-bus convention was occurring at the time with extensive damage donot campers ranging in value up to 05M. Many wheat crops that were at or near maturity were completely destroyed with no hopes of any harvest.									
Grand Forks County Grand Forks Airport	18	1555CST			?	?	?	?	Thunderstorm Winds (G50)

## NORTH DAKOTA Cont'd

Grand Forks County Univ. of ND	18	1555CST			?	?	?	?	Thunderstorm Winds (G52)
Cavalier County	18	0230CST- 1800CST			?	?	?	?	Flood
Thunderstorms following the same track dumped up to a foot of rain over north-central Cavalier County near Mt. Carmel. Water washed out culverts, flooded fields and farmhouses, and closed streets and county roads. A potential problem was averted at the Mt. Carmel Dam, two miles south and five miles east of Mt. Carmel. This dam on the South Pembina River backs up water approximately four miles long and three-quarters mile wide. Because of a construction project on the dam, the water level in the lake was dropped earlier in the summer by about seven feet to an elevation of 1521 feet above MSL. By the 19th, the heavy rain caused the lake level to rise to 1536 feet the top of the dam is at an elevation of about 1537 feet. Due to the construction engineers and equipment were on site and opened the emergency spillway to prevent the water from rising any higher.									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>Pembina County</b>	<b>18</b>	<b>0600CST-</b>							
	<b>24</b>	<b>0800CST</b>			?	?	?	?	<b>Flood</b>
The heavy rains that fell in Cavalier County combined with smaller amounts over Pembina County to cause flooding along the Pembina River Basin. The Pembina River crested at 3.5 feet above flood stage at Walhalla and 2.5 feet above flood stage at Neche. The fast rising water stranded cattle, flooded roads, and put one bridge under water. The city of Walhalla shut down a city well to avoid water contamination. After surveying the damage, county officials declared the county a disaster area. The river levels were higher than the spring flood, which also caused the county to issue a disaster declaration.									
<b>Grant County</b>	<b>21</b>	<b>1630CST</b>			?	?	?	?	<b>Tornado</b>
<b>2 NE Elgin</b>	The tornado destroyed an 80-year-old barn. It also carried some hog panels over 100 yards.								
<b>Morton County</b>	<b>21</b>	<b>1746CST</b>			?	?	?	?	<b>Hail (1.00)</b>
<b>8 W Mandan</b>									
<b>Morton County</b>	<b>21</b>	<b>1800CST</b>			?	?	?	?	<b>Hail (0.75)</b>
<b>7 SW Huff</b>									
<b>Morton County</b>	<b>21</b>	<b>1846CST</b>			?	?	?	?	<b>Thunderstorm Winds (G60)</b>
<b>Flasher</b>									
<b>Grant County</b>	<b>21</b>	<b>1855CST</b>			?	?	?	?	<b>Thunderstorm Winds (G60)</b>
<b>Lark</b>									
<b>Burleigh County</b>	<b>21</b>	<b>2040CST</b>			?	?	?	?	<b>Thunderstorm Winds (G62)</b>
<b>WSFO Bismarck</b>									
<b>Nelson County</b>	<b>21</b>	<b>2045CST</b>			?	?	?	?	<b>Hail (1.75)</b>
<b>10 N Lakota</b>									
<b>Burleigh County</b>	<b>21</b>	<b>2055CST</b>			?	?	?	?	<b>Thunderstorm Winds (G70)</b>
<b>Lincoln</b>									
<b>Ramsey County</b>	<b>21</b>	<b>2110CST</b>			?	?	?	?	<b>Hail (0.75)</b>
<b>13 SE Devils Lake</b>									
<b>Burleigh County</b>	<b>22</b>	<b>1830CST</b>			?	?	?	?	<b>Hail (0.75)</b>
<b>5 E Wilton</b>									
<b>Bowman County</b>	<b>22</b>	<b>1730CST</b>			?	?	?	?	<b>Hail (1.00)</b>
<b>9 SW Bowman</b>									
<b>McKenzie County</b>	<b>23</b>	<b>1610CST</b>			?	?	?	?	<b>Hail (1.00)</b>
<b>Grassy Butte</b>									
<b>McKenzie County</b>	<b>23</b>	<b>1630CST</b>			?	?	?	?	<b>Flood</b>
<b>Theodore Nat'l Park</b>	Three and sixty-two hundredths inches of rain on Squaw Creek resulted in flooding that destroyed a small bridge on a hiking trail. Small hail also reported in numerous sections of the park.								
<b>McKenzie County</b>	<b>23</b>	<b>1640CST</b>			?	?	?	?	<b>Thunderstorm Winds (G70)</b>
<b>10 S Arnegard</b>	High winds tore roof off barn.								
<b>Dunn County</b>	<b>23</b>	<b>1700CST</b>			?	?	?	?	<b>Thunderstorm Winds (G60)</b>
<b>Killdeer</b>	Several trees blowover as well as a roof on an apartment building blown off. Numerous fences were blown down and several barn doors destroyed east of town. Reports of rainfall vary from 1.0 inch to 2.5 inches.								
<b>McIntosh County</b>	<b>24</b>	<b>0120CST</b>			?	?	?	?	<b>Thunderstorm Winds (G80)</b>
<b>Wishek</b>	The strong thunderstorm winds tipped over a grain truck estimated to weigh about 8,000 lbs.								
<b>Cass County</b>	<b>24</b>	<b>0300CST</b>			?	?	?	?	<b>Lightning</b>
<b>Fargo</b>	Lightning struck two homes in the Fargo area causing fires.								
<b>Mountrail County</b>	<b>27</b>	<b>0200CST</b>			?	?	?	?	<b>Hail (1.00)</b>
<b>10 E Belden</b>									
<b>McLean County</b>	<b>27</b>	<b>0425CST</b>			?	?	?	?	<b>Tornado</b>
<b>30 S Minot</b>									
<b>Mountrail County</b>	<b>27</b>	<b>0457CST</b>			?	?	?	?	<b>Hail (1.00)</b>
<b>20 SE Stanley</b>									
<b>OHIO, Northern</b>									
<b>OHZ001&gt;014-017&gt;023-027&gt;033-036&gt;038-047 Northern Ohio</b>	<b>1</b>	<b>1100EST-</b>							
	<b>3</b>	<b>2100EST</b>			<b>5</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>Heat Wave</b>
Hot weather with afternoon temperatures in the 90s and relatively high humidity caused injuries and fatalities. Four of the five fatalities were older citizens and all occurred in Cuyahoga County in the Cleveland urban area where little cooling occurs during the night. Injuries were generally from heat stress/stroke. Eight occurred in Cuyahoga 011, with two in Summit 021 and one in Lorain 010. Figures for the fatalities are from the County Coroners. The number of injuries is uncertain due to the lack of reporting and the actual number treated for heat stress/stroke is likely higher. M60PH, W70PH, W59PH, M38OT, M63PH.									
<b>Fulton County</b>	<b>01</b>	<b>1518EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Oakshade</b>	Winds of 60 mph were reported. A large tree was downed, taking down some power lines.								
<b>Wood County</b>	<b>01</b>	<b>1705EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
<b>Bowling Green</b>									
<b>Geauga County</b>	<b>01</b>	<b>1815EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Middlefield</b>	Several trees were downed.								

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Huron County North half</b>	<b>01</b>	<b>1820EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Large limbs were downed in several locations, some on power lines.
<b>Cuyahoga County Chagrin Falls</b>	<b>01</b>	<b>1822EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Winds of 60 mph were reported. Trees were downed including several on Solon Road. At least one house was damaged by a falling tree.
<b>Morrow County Northwest quarter</b>	<b>01</b>	<b>1850EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Trees were downed, some on power lines.
<b>Geauga County Countywide</b>	<b>01</b>	<b>1854EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Flash Flood</b> Thunderstorm rains produced flooding of small streams, streets, poor drainage areas, and a few basements. Rainfall was measured as high as 3.85 inches in less than three hours.
<b>Medina County North half</b>	<b>01</b>	<b>1859EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Flash Flood</b> Heavy thunderstorm rains of at least two inches in less than two hours produced flooding of streets and poor drainage areas.
<b>Ashtabula County Conneaut</b>	<b>03</b>	<b>1401EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Flash Flood</b> Thunderstorm rains produced flooding of streets, poor drainage areas and basements. A rainfall of 3.5 inches was measured in less than two hours.
<b>Marion County Countywide</b>	<b>04</b>	<b>0905EST</b>			<b>0</b>	<b>0</b>	<b>40K</b>	<b>0</b>	<b>Flash Flood</b>
<b>Morrow County Countywide</b>	<b>04</b>	<b>0910EST</b>			<b>0</b>	<b>0</b>	<b>30K</b>	<b>0</b>	<b>Flash Flood</b>
<b>Crawford County Countywide</b>	<b>04</b>	<b>0912EST</b>			<b>0</b>	<b>0</b>	<b>30K</b>	<b>0</b>	<b>Flash Flood</b>
<b>Richland County Countywide</b>	<b>04</b>	<b>0935EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Flash Flood</b> Widespread and slow moving thunderstorms brought flooding rains to many communities. Flooding of streets, low lying areas, small streams, and basements was common. Rainfall of three inches was measured just south of Marion (Marion County) and four inches was measured just west of Galion (Crawford) where 2.5 inches of rain fell between 0900 and 1000 EST. In Mansfield 2.3 inches was measured in one hour.
<b>Morrow County Countywide</b>	<b>05</b>	<b>1415EST</b>			<b>0</b>	<b>0</b>	<b>180K</b>	<b>0</b>	<b>Flash Flood</b>
<b>Richland County Countywide</b>	<b>05</b>	<b>1415EST</b>			<b>0</b>	<b>0</b>	<b>150K</b>	<b>0</b>	<b>Flash Flood</b>
<b>Holmes County Countywide</b>	<b>05</b>	<b>1435EST</b>			<b>0</b>	<b>0</b>	<b>80K</b>	<b>0</b>	<b>Flash Flood</b> The remains of Hurricane Erin brought prolonged heavy rains to communities in which the ground was already saturated from thunderstorm rains from preceding days. Flooding of small streams, streets, low lying areas, and basements was widespread. A number of roads had to be closed including County Roads 186, 245, and 179 in Holmes County. State route 97 was closed and damaged by flood water in Morrow County. Flood waters lingered in many areas well into the night.
<b>Marion County Marion to Prospect</b>	<b>08</b>	<b>0510EST</b>			<b>0</b>	<b>0</b>	<b>1.2M</b>	<b>150K</b>	<b>Flash Flood</b> Nearly stationary thunderstorms deluged the area during the early morning hours. Near Waldo, 3.8 inches of rain was measured in less than three hours and rainfall was estimated as high as five inches in three hours near Prospect. Streams were already running full from thunderstorms during the preceding week and flooding of small streams, low lying areas, streets and basements began quickly and was widespread. In Prospect, the area around Battle Run Creek was particularly hard hit as water rose as deep as 18 inches in peoples homes and nearby homes suffered widespread basement flooding. State route 203 was closed for an extended time between Prospect and State Route 4. At least 25 homes suffered damage from flooding
<b>OHIO, Northern Cont'd</b>									
									of which two were seriously damaged. A number of businesses also suffered losses. Some crops were damaged by flooding. The county was declared a federal disaster area.
<b>Marion County Prospect</b>	<b>08</b>	<b>0900EST-</b>							
	<b>09</b>	<b>0600EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flood</b> The Scioto River exceeded flood stage of 11 feet and crested at 11.1 feet. River flooding was confined to low lying areas but significant flooding occurred on several of the nearby tributaries.
<b>OHZ001&gt;014-017&gt;023- 027&gt;033-036&gt;038-047 Northern Ohio</b>	<b>08</b>	<b>1100EST-</b>							
	<b>22</b>	<b>2000EST</b>			<b>13</b>	<b>52</b>	<b>500K</b>	<b>0</b>	<b>Heat Wave</b> An unusually long period of hot weather with afternoon temperatures generally in the 90s and relatively high humidity caused injuries and fatalities. Older utility systems suffered a high incidence of breakdown due to prolonged high demand and some roads buckled in the heat. Twelve of the thirteen fatalities were older citizens and all occurred in Cuyahoga County in the Cleveland urban area. Nights remained unusually warm and in a number of cases temperatures stayed in the 80s all night in the city which likely contributed to the heat related problems. Injuries were generally from heat stress/stroke. Of the injuries, 4 occurred in Cuyahoga County, six in Summit, three in Lorain, two in Lucas and one in Trumbull. Figures for the fatalities are from the county coroners. The number of injuries is uncertain due to lack of reporting and the actual number treated for heat stress/stroke is likely higher. There was very little crop damage, and what little may have occurred did not occur until the later days of the heat wave when a lack of rainfall began to have an impact. W82PH, M69PH, M33OT, M52PH, W64PH, M68OT, M73OT, M72PH, M72PH, W73OT, W76PH, M65PH, W????

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crops		Character of Storm
<b>Seneca County Fort Seneca to Green Springs</b>	<b>08</b>	<b>1740EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Flash Floods</b> Thunderstorm rains of about 2.5 inches in little more than an hours caused flooding of streets, small streams, and poor drainage areas. The eastern portion of State Route 34 was closed by flood waters for a short time.
<b>Erie County Vermilion</b>	<b>09</b>	<b>0600EST</b>			<b>0</b>	<b>0</b>	<b>3.6M</b>	<b>100K</b>	<b>Flash Flood</b> Slow moving thunderstorms produced near record rainfall across the area during the early morning hours as much six inches of rain was estimated to have fallen between 0500 and 0800EST. With the ground already saturated from thunderstorms during preceding days, flooding of small streams, low lying areas, streets and basements began quickly and was widespread. Over 1,200 homes were damaged from the flood waters. The Valley View housing development was particularly hard hit as nearly every home suffered water damage, some 550 homes in total. One home was seriously damaged. A number of businesses suffered significant losses. Several roads were closed most of the day. Some crops were destroyed in the flood.
<b>Lorain County North part</b>	<b>09</b>	<b>0620EST</b>			<b>0</b>	<b>0</b>	<b>300K</b>	<b>70K</b>	<b>Flash Flood</b> The thunderstorms that produced the torrential rains in the Vermilion area (see above) adjacent to Lorain County moved across the northern portion of the county and produced widespread flooding of streets, small streams, basements, and low lying areas. Several cars were stalled in high water on Milan Avenue in the city of Amherst. Twelve basement apartments in the city of Lorain suffered significant flooding. The Ford Assembly Plant shut down several areas of the plant due to flooding. Some crops were destroyed due to flooding.
<b>Summit County North and West Half</b>	<b>09</b>	<b>0925EST</b>			<b>0</b>	<b>0</b>	<b>250K</b>	<b>0</b>	<b>Flash Flood</b> Slow moving thunderstorms brought torrential rains to an area already saturated from heavy rains during preceding days. Flooding of streets, small streams, low lying areas, and basements was widespread. A rainfall of 3.5 inches was measured in Copley between 0800 and 0100EST. The Akron Fire Department responded to 128 calls of significant basement flooding. A mud slide closed Merriman Road. Culverts were washed out from under the Cuyahoga Valley Scenic Railroad and the Erie Canal Towpath.
<b>Summit County North and West Half</b>	<b>09</b>	<b>0925EST</b>			<b>0</b>	<b>0</b>	<b>80K</b>	<b>0</b>	<b>Lightning</b> Several homes were struck by lightning and caught fire.
<b>Stark County West half</b>	<b>09</b>	<b>1040EST</b>			<b>0</b>	<b>0</b>	<b>45K</b>	<b>0</b>	<b>Flash Flood</b> Thunderstorm rains of about three inches in about two hours produced widespread flooding of streets, small streams, poor drainage areas and some basements. State Route 21 was closed for a time and several cars were abandoned in flood waters.
<b>Lucas County Oregon</b>	<b>12</b>	<b>2300EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b> Large limbs were downed.
<b>Lucas County Maumee Bay State Park</b>	<b>12</b>	<b>2315EST</b>			<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>Lightning</b> Lightning struck the road in a camping area and a woman entering a nearby camper was electrocuted as she touched the aluminum door. Her friend, trying to assist her, was also shocked when she touched her. Both women, in the late 20s, were hospitalized.
<b>Ottawa County Williston</b>	<b>12</b>	<b>2316EST</b>			<b>0</b>	<b>0</b>	<b>6K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>OHIO, Northern Cont'd</b>									
									Numerous trees were downed, some on power lines. An awning was blown off a house.
<b>Lucas County Oregon</b>	<b>13</b>	<b>1940EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b> A utility pole and transformer were downed.
<b>Ashtabula County Geneva-on-the Lake and Ashtabula</b>	<b>13</b>	<b>1945EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Trees were downed, some on power lines. Winds were measured at 60 mph in Ashtabula.
<b>Lake County Countywide</b>	<b>13</b>	<b>1955EST</b>			<b>0</b>	<b>0</b>	<b>90K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Numerous trees were downed, some on power lines. A large building in Fairport Harbor that was used to store boats suffered significant damage as a large portion of the metal walls were peeled off.
<b>Geauga County Countywide</b>	<b>13</b>	<b>2000EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b> Trees were downed in several locations.
<b>Ottawa County Oak Harbor</b>	<b>13</b>	<b>2015EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b> Large limbs were downed.
<b>Cuyahoga County Bay Village, Westlake and North Olmsted</b>	<b>13</b>	<b>2020EST</b>			<b>0</b>	<b>0</b>	<b>12K</b>	<b>0</b>	<b>Thunderstorm Winds</b> A number of trees were downed, some on power lines. A wind gust was measured at 74 mph at Bay Village.
<b>Lorain County</b>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>Avon and Avon Point</b>	13	2025EST			0	0	110K	0	<b>Thunderstorm Winds</b> A number of trees were downed with several downed on cars and buildings. About two-thirds of the roof was ripped off the Avon Village School and four classrooms were damaged.
<b>Portage County Mantua</b>	13	2045EST			0	0	2K	0	<b>Thunderstorm Winds</b> Trees were downed.
<b>Trumbull County Kinsman and Gustavus</b>	13	2050EST			0	0	60K	0	<b>Thunderstorm Winds</b> Numerous trees were downed, some on power lines. In Gustavus, a hangar collapsed in the thunderstorm winds destroying a small plane inside and a pickup truck was crushed by a falling tree.
<b>Summit County Stow and Cuyahoga Falls</b>	13	2057EST			0	0	3K	0	<b>Thunderstorm Winds</b> Trees were downed.
<b>Crawford County Countywide</b>	13	2110EST			0	0	4K	0	<b>Thunderstorm Winds</b> Trees were downed in a number of locations as well as several utility poles.
<b>Mahoning County West Third</b>	13	2130EST			0	0	3K	0	<b>Thunderstorm Winds</b> Trees were downed in several locations including Ellsworth Township.
<b>Lucas County Oregon</b>	15	1405EST			0	0	20K	0	<b>Thunderstorm Winds</b> Trees and limbs were downed, some on power lines. Significant damage occurred at Maumee Bay State Park where a camper was flipped over and awnings were blown from several other campers. Several buildings were damaged by falling trees and a boardwalk recreational path was also damaged by falling trees.
<b>Lucas County Countywide</b>	15	1430EST			0	0	4K	0	<b>Flash Flood</b>
<b>Wood County North part</b>	15	1440EST			0	0	3K	0	<b>Flash Flood</b> Heavy thunderstorm rains caused flooding of streets and poor drainage areas.
<b>Knox County West half</b>	15	1456EST			0	0	15K	0	<b>Thunderstorm Winds</b> Roof damage occurred to two barns and trees were downed in several locations.
<b>Trumbull County North half</b>	15	1605EST			0	0	2K	0	<b>Thunderstorm Winds</b> Trees were downed.
<b>Huron County Bellevue</b>	15	1630EST			0	1	0	0	<b>Lightning</b>
<b>OHIO, Northern Cont'd</b>									
A 17-year-old was hospitalized after lightning struck the building in which she was working in. She may have been struck via the telephone.									
<b>Hancock County Fostoria and Bluffton</b>	15	1643EST			0	0	2K	0	<b>Thunderstorm Winds</b> Trees were downed.
<b>Huron County Bellevue</b>	15	1650EST			0	0	10K	0	<b>Flash Flood</b> Thunderstorm rains of more than two inches in two hours on saturated ground producing flooding of streets, poor drainage areas, and basements. At least one car was stalled in flood waters.
<b>Erie County Kimball</b>	15	1656EST			0	0	2K	0	<b>Thunderstorm Winds</b> Trees were downed.
<b>Sandusky County Green Spring</b>	15	1700EST			0	0	0	0	<b>Hail (0.75)</b>
<b>Lucas County Holland</b>	15	1720EST			0	0	2K	0	<b>Thunderstorm Winds</b> Trees were downed.
<b>Wood County Lake Township</b>	15	1740EST			0	0	30K	0	<b>Thunderstorm Winds</b> A barn was blown over and three campers blown over. Trees were downed.
<b>Huron County Bellevue</b>	15	1830EST			0	0	2K	0	<b>Thunderstorm Winds</b> Large trees were downed.
<b>Ottawa County Oak Harbor</b>	15	1900EST			0	0	20K	0	<b>Flash Flood</b> Heavy thunderstorm rains in a short amount of time resulted in flooding of streets and poor drainage areas. Several cars were abandoned in high water.
<b>Mahoning County</b>									

# Storm Data and Unusual Weather Phenomena

August 1995

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
<b>Jackson and Craig Beach</b>	15	1902EST			0	0	2K	0	<b>Thunderstorm Winds</b> Trees were downed.
<b>Cuyahoga County Near Strongsville</b>	16	1405EST			0	0	2K	0	<b>Flash Flood</b>
<b>Medina County Brunswick</b>	16	1405EST			0	0	0	0	<b>Flash Flood</b> A nearly stationary thunderstorm on the Cuyahoga-Medina County border dropped about three inches of rain in less than two hours and caused some flooding of streets and poor drainage areas.
<b>Fulton County Near Fayette</b>	16	1849EST			0	0	4K	0	<b>Thunderstorm Winds</b> Numerous trees and large limbs were downed.
<b>Fulton County Wauseon</b>	16	2055EST			0	0	2K	0	<b>Thunderstorm Winds</b> Large limbs were downed.
<b>Fulton County Near Henry</b>	16	2105EST			0	0	12K	0	<b>Thunderstorm Winds</b> Trees were downed, one on a storage shed and one on a car.
<b>Williams County Countywide</b>	17	1025EST			0	0	5K	0	<b>Flash Flood</b>
<b>Defiance County North half</b>	17	1035EST			0	0	4K	0	<b>Flash Flood</b> Slow moving thunderstorms dumped about two inches of rain in less than two hours over saturated grounds and resulted in flooding of streets and poor drainage areas.
<b>Henry County Countywide</b>	17	1045EST			0	0	0	0	<b>Thunderstorm Winds</b> Large limbs were downed.
<b>Lucas County Laskey</b>	17	1210EST			0	0	8K	0	<b>Flash Flood</b> Very heavy thunderstorm rains measured two inches in about a half an hour and 3.5 inches in about an hour. Flooding occurred on small streams, streets and poor drainage areas.
<b>Sandusky County Fremont</b>	17	1320EST			0	0	0	0	<b>Thunderstorm Winds</b>
<b>OHIO, Northern Cont'd</b>									
<b>Ottawa County Oak Harbor</b>	17	1322EST			0	0	2K	0	<b>Thunderstorm Winds</b> Large limbs were downed.
<b>Ottawa County West quarter</b>	17	1325EST			0	0	15K	0	<b>Flash Flood</b> Heavy thunderstorm rains of at least two inches in less than two hours on saturated grounds caused flooding of small streams, streets, and some basements. Flooding was widespread in Oak Harbor.
<b>Huron County Countywide</b>	17	1405EST			0	0	2K	0	<b>Thunderstorm Winds</b> Trees down in several locations.
<b>Lucas County East half</b>	17	1405EST			0	0	10K	0	<b>Flash Flood</b>
<b>Sandusky County North of Woodville</b>	17	1420EST			0	0	8K	0	<b>Flash Flood</b>
<b>Wood County North Quarter</b>	17	1430EST			0	0	10K	0	<b>Flash Flood</b> A cluster of slow moving thunderstorms from the Toledo area into northwest Sandusky County produced two to three inches of rain in less than two hours and caused flooding of streets, small streams, poor drainage areas and several basements.
<b>Erie County Countywide</b>	17	1420EST			0	0	30K	0	<b>Flash Flood</b> Heavy thunderstorm rains of two to three inches in less than two hours on saturated ground brought widespread flooding to streets, small streams, basements, and low lying areas. At least one road was closed due to flooding in Milan.
<b>Huron County North half</b>	17	1455EST			0	0	3K	0	<b>Flash Flood</b> Thunderstorm rains caused flooding of streets and poor drainage areas. Rainfall of 2.8 inches was measured in Norwalk in less than two hours.
<b>Lorain County Northwest Part</b>	17	1500EST			0	0	6K	0	<b>Flash Flood</b>
<b>Richland County South half</b>	17	1500EST			0	0	5K	0	<b>Flash Flood</b> Heavy thunderstorm rains brought flooding to streets and poor drainage areas and several basements. State Route 42 and Ashland Road (Richland County) was closed for a time.
<b>Richland County South half</b>	17	1505EST			0	0	2K	0	<b>Thunderstorm Winds</b> Trees were downed.

## Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm	
					Killed	Injured	Property	Crops		
<b>Medina County</b> <b>Lodi</b>	17	1535EST			0	0	2K	0	<b>Flash Flood</b>	
<b>Wayne County</b> <b>West Salem</b>	17	1545EST			0	0	2K	0	<b>Flash Flood</b>	
			Heavy thunderstorm rains brought flooding to streets and poor drainage areas and several basements. State Route 42 and Ashland Road (Richland County) was closed for a time.							
<b>Knox County</b> <b>Danville</b>	17	1600EST			0	0	2K	0	<b>Thunderstorm Winds</b>	
			Trees were downed.							
<b>Knox County</b> <b>Apple Valley</b>	17	1615EST			0	0	80K	0	<b>Flash Flood</b>	
			Prolonged heavy thunderstorm rains produced widespread flooding of streets, small streams, basements, and poor drainage areas. Greenwood road was washed out due to the flood waters. A total of 4.25 inches was measured in about two hours with 3.5 inches coming in one hour and ten minutes.							
<b>Defiance County</b> <b>West half</b>	17	1705EST			0	0	5K	0	<b>Flash Flood</b>	
			Slow moving thunderstorms brought heavy rains to an area already saturated from rains earlier in the day. Flooding of streets, small streams, and poor drainage areas occurred.							
<b>Erie County</b> <b>Huron and Milan</b>	18	0745EST			0	0	8K	0	<b>Flash Flood</b>	
			Heavy thunderstorm rains brought on some street flooding as well as flooding of poor drainage areas and several basements.							
<b>Wyandot County</b> <b>Carey</b>	18	0950EST			0	0	4K	0	<b>Flash Flooding</b>	
			Street flooding occurred from thunderstorm rains.							
<b>Morrow County</b> <b>Northeast Corner</b>	18	1040EST			0	0	15K	0	<b>Flash Flood</b>	
			Thunderstorm rains brought about three inches of rain in less than two hours which resulted in flooding of streets, small streams, low lying areas, and basements.							
<b>OHIO, Eastern</b>										
<b>Jefferson County</b> <b>Steubenville</b>	03	Afternoon			0	12	0	0	<b>Extreme Heat</b>	
			Twelve people were treated at a hospital for dehydration and other heat-related conditions. Temperatures were in the lower to mid 90s.							
<b>Muskingum County</b> <b>Zanesville</b>	05	1300EST- 1430EST			0	0	5K	0	<b>Flood/Flash Flood</b>	
			Several streets and a business were flooded in Zanesville.							
<b>Muskingum County</b> <b>Countywide</b>	05	2300EST			0	0	0	0	<b>Flood/Flash Flood</b>	
			Lowland flooding and a couple of small streams were reported just out of their banks after widespread rainfall totals of three inches or more over several hours occurred across the county.							
<b>Tuscarawas County</b> <b>Dennison</b>	09	1040EST			0	0	2K	0	<b>Lightning</b>	
			Lightning struck and damaged a power sub-station in Dennison leaving about 5,500 area residents without power.							
<b>Tuscarawas County</b> <b>New Philadelphia</b> <b>Dover</b>	13 09	1500EST- 1052EST			0	0	60K	0	<b>Flood/Flash Flood</b>	
			A car was stranded in flood waters in New Philadelphia and several streets in the town were flooded between 1052 and 1300 EST after thunderstorms dropped over three inches of rain. The driver of the vehicle was rescued by firefighters. A 10 block stretch of Main Street in New Philadelphia was closed due to flooding. One three block stretch was under five feet of water. Numerous basements were also flooded. At 1225 a low-lying area surrounding a nursing home in Dover was flooded. A nearby stream had overflowed its banks behind the facility and storm runoff was overflowing drainage ditches in front. The facility prepared for evacuation, however shortly thereafter, the flood waters began to recede. Also in Dover, flood waters quickly filled a four-foot crawl space of a house. The pressure of the water led to the collapse of a basement wall.							
<b>Columbiana County</b> <b>East Liverpool</b>	11	1315EST			0	0	1K	0	<b>Thunderstorm Winds</b>	
			Thunderstorm winds downed tree limbs onto power lines.							
<b>Monroe County</b> <b>Beallsville</b>	11	1530EST			0	0	1K	0	<b>Thunderstorm Winds</b>	
			Thunderstorm winds downed trees in Beallsville.							
<b>Guernsey County</b> <b>Cambridge</b>	11	1645EST			0	0	1K	0	<b>Thunderstorm Winds</b>	
			Thunderstorm winds downed a tree and large branches along Route 22 near Cambridge.							
<b>Columbiana County</b> <b>Hanoverton</b>	13	2153EST			0	0	0	0	<b>Funnel Cloud</b>	
			A funnel cloud was reported by the public near Hanoverton.							
<b>Columbiana County</b> <b>Salem</b>	13	2210EST			0	0	0	0	<b>Thunderstorm Winds</b>	

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
Thunderstorm winds downed large limbs in Salem.									
<b>Coshocton County</b> West Lafayette	17	1625EST			0	0	1K	0	<b>Thunderstorm Winds</b>
A tree and large branches were downed by thunderstorm winds.									
<b>Muskingum County</b> Countywide	18	1430EST-1500EST			0	0	0	0	<b>Flood/Flash Flood</b>
Flooding of low-lying areas and some minor road flooding was reported, mainly in the western part of the county.									
<b>OHIO, Southeast</b>									
Athens Co. Coolville	01	1637EST			0	0	0	0	<b>Hail 0.75</b>
OHZ066-067-075-076-083-085-086-087 Southeast	05	1400-1100EST			0	0	0	0	<b>Heavy Rain</b>
Remnants of Hurricane Erin brought beneficial summer rain. Amounts of 2 to 3.5 inches were widespread.									
Washington Co. Devola, Lowell, Waterford, Watertown and Churchtown	09	0845-1230EST			0	0	220K	0	<b>Flash Flood</b>
Three to 6 inches of rain fell in 3 hours. Severe flooding occurred along Rainbow Creek. Other streams affected included Wolf Creek, Marsh Run, and Devol Run. The flood waters damaged 5 homes, 3 of which were mobile homes. One mobile home was washed down Rainbow Creek about 1000 feet. Fourteen people were left homeless.									
<b>OHIO, Southwestern</b>									
Warren County Lebanon	01	1355EST			0	0	20K	0	<b>Lightning</b>
Lightning ignited a fire which resulted in roof, attic, and kitchen damage to one unit of the Bellflower Apartment Complex.									
Hamilton County South Half	01	1415EST-1600EST			0	0	3K	0	<b>Flash Flood</b>
Heavy thunderstorm rains of nearly two inches in one hour caused flooding of several streets, small streams and poor drainage areas. Near Clifton, southbound Interstate 75 was closed for a short time at the Hopple Street exit due to high water.									
Hamilton County Countywide	01	1440EST-1450EST			0	0	4K	0	<b>Thunderstorm Winds Hail (1.00)</b>
Trees were downed at a number of locations. The majority of downed trees occurred near Forest Park where one inch hail also fell.									
Logan County Bellefontaine	01	1720EST			0	0	1K	0	<b>Thunderstorm Winds</b>
Thunderstorm winds toppled two large trees.									
Shelby County Central Portion	01	1750EST-2000EST			0	0	2K	0	<b>Flash Flood</b>
Thunderstorm rains of two to three inches in less than two hours caused flooding of some streets and low lying areas. A few roads in Sidney had high water across them for a short period of time.									
Hardin County Kenton	01	1919EST			0	0	6K	0	<b>Lightning</b>
Lightning struck a house which started a fire that caused damage to the attic and roof.									
Ross County Chillicothe	03	1600EST			0	0	11K	0	<b>Lightning</b>
A lightning strike at the Ross County Fairgrounds destroyed two new water pumps.									
Franklin County Countywide	05	1210EST-1515EST			0	0	4K	0	<b>Flash Flood</b>
The remnants of Hurricane Erin brought heavy rains of two to three inches in less than three hours. This caused flooding to several streets, streams, and poor drainage areas. A few basements also flooded. State Route 104 in Jackson township was closed into the evening hours due to high water.									
Licking County West Half	05	1320EST-1500EST			0	0	3K	0	<b>Flash Flood</b>
Heavy rains from the remnants of Hurricane Erin caused flooding of some roads and poor drainage areas.									
Clermont County 1 E Neville	05	1320EST-1325EST	4	90	0	0	30K	0	<b>Tornado (F1)</b>
A tornado touched down near U.S. Highway 52 and destroyed a 100 by 40-foot metal barn. Debris of the barn was found one-half mile away. Several large trees were also downed.									
Franklin County Eastern Half	05	1840EST-2200EST			0	0	3K	0	<b>Flash Flood</b>
Additional heavy rains of three inches in six hours caused more flooding of roads, streams and poor drainage areas. Blacklick Creek near Reynoldsburg overflowed its banks.									
Warren County Countywide	05	2040EST-							



# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Property Damage	Crops	Character of Storm
	05	2330EST			0	0	3K	0	Flash Flood
	Heavy rains of nearly three inches in six hours caused several streams to overflow their banks and onto some roads. State Route 123 was closed due to high water.								
Scioto County	05	2115EST-			0	0	3K	0	Flash Flood
Countywide	06	0200EST			0	0	3K	0	Flash Flood
	Heavy rains of one to two inches in nearly two hours caused streets, streams, and poor drainage areas to flood. Several roads in Portsmouth and Wheelersburg had to be closed for a short time due to high water.								
Franklin County	06	0005EST-			0	0	3K	0	Flash Flood
South Half	06	0200EST			0	0	3K	0	Flash Flood
	More thunderstorm rains dropped another inch of rain on top of saturated ground. This resulted in flooding of streets, streams, and low lying areas. State Route 104 was dosed due to high water. High water was also reported across Interstate 71, just south of Interstate 70.								
Pickaway County	06	1200EST-			0	0	2K	0	Flood
Circleville	08	0230EST			0	0	2K	0	Flood
	The Scioto River at Circleville exceeded flood stage of 14 feet and crested at 17.05 feet at 1100EST. This resulted in flooding of some crop land. Water also spilled across State Route 56 near Highway 22.								
Miami County	07	2205EST-			0	0	1.4M	600K	Flash Flood
Countywide	08	1500EST			0	0	1.4M	600K	Flash Flood
	A series of thunderstorms brought three to eight inches of rain in less than 12 hours on saturated ground. This caused								
<b>OHIO, Southwestern Cont'd</b>									
	widespread flooding of streets, streams, hundreds of basements, and fields. Piqua recorded 7.86 inches of rain which broke its all-time 24 hour precipitation record. The flooding affected 1,000 homes in the county, and in Piqua 20 people were evacuated by boat from an apartment complex and some homes. Three homes were washed off their foundation when Ess Creek spilled out of its banks. The tremendous amount of water caused several manhole covers to pop in Piqua. A number of roads remained closed due to standing water into the 13th. A state of emergency was declared.								
Miami County	07	2310EST			0	0	5K	0	Lightning
Troy	Lightning and resultant fire damaged a garage and corner of a house.								
Shelby County	08	0000EST-			0	0	750K	500K	Flash Flood
Countywide	08	1500EST			0	0	750K	500K	Flash Flood
	Between four and eleven inches of rain fell from a series of thunderstorms, causing widespread flooding of roads, streams hundreds of basements, and fields. The southern portion of the county was especially hard hit, as Lockington Dam measured 10.75 inches of rain which broke its 12-year 24 hour rainfall record. In Pasco, 40 homes at the Hidden Valley trailer park were evacuated due to high water. In Washington township, a woman and her child had to be rescued when water was rushing through their home. Countywide, 97 homes were damaged and 2,500 acres of soybeans and corn were damaged or destroyed. Some roads and culverts were completely washed out. High water remained over some roads into the 13th.								
Champaign County	08	0115EST-			0	0	2.5M	1.5M	Flash Flood
Countywide	08	0930EST			0	0	2.5M	1.5M	Flash Flood
	A series of thunderstorms dropped three to eight inches of rain in less than 12 hours on saturated ground, causing widespread flooding of homes, roads, streams, basements, and fields. The worst hit community was St. Paris, where 50 percent of the homes were affected by the flooding. Thirty-one of the 35 downtown businesses in St. Paris received damage, and the 1,840 residents were stranded due to six bridges and numerous roads, including U.S. Highway 36, being washed out. Overflowing creek inundated crops, jammed sewers, washed out culverts and washed several vehicles away. Propane tanks were seen floating in yards. One hundred people were evacuated in St. Paris, and at least three homes were totally destroyed. The flooding also destroyed one-half of the Shady Bowl Speedway. A state of emergency was declared for the county and water remained across roads into the 13th.								
Logan County	08	0120EST-			0	0	175K	50K	Flash Flood
Countywide	08	1000EST			0	0	175K	50K	Flash Flood
	Between three and nine inches of rain fell on saturated ground in less than 12 hours from a series of slow moving thunderstorms. This created widespread flooding of roads, crops, creeks, and basements. The majority of the damage occurred in the south half of the county where at least 16 state and county roads as well as several bridges were closed due to high water. Two families near West Liberty had to be evacuated due to water rushing through their homes. At least one culvert was washed out. A state of emergency was declared for the county as water remained across roads into August 13th.								
Mercer County	08	0130EST-			0	0	4.7M	1.0M	Flash Flood
Countywide	08	1500EST			0	0	4.7M	1.0M	Flash Flood
	Between one and six inches of rain fell from a series of thunderstorms on saturated ground causing widespread flooding of roads, basements, streams, and crops. Especially hard hit was the south portion of the county including Fort Recovery and Philothea. Five and one-half inches of rain was measured at Fort Recovery where 25 to 30 people had to be evacuated from their homes due to rushing water. Four homes were completely destroyed, 40 received major damage and hundreds of home and businesses received minor damage. One bridge near Philothea was washed out and 5,600 acres of soybeans and corn were underwater. Numerous streams overflowed, causing several roads including State Routes 219 and 119 to be water covered. A state of emergency was declared for the county as standing water remained on some roads into August 13th.								
Darke County	08	0300EST-			0	0	10K	0	Flash Flood
North Half	08	0800EST			0	0	10K	0	Flash Flood
	A series of thunderstorms dropped two to five inches of rain in nearly six hours on saturated ground. This produced some flooding of roads, streams, and basements. Five roads in Versailles and Ansonia were closed due to high water. Standing water remained over a few roads into the evening hours.								
Delaware County	08	0600EST-			0	0	50K	0	Flash Flood
Countywide	08	1500EST			0	0	50K	0	Flash Flood
	Thunderstorm rains of two to four inches in six hours on top of saturated ground caused flooding of several roads, streams								

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property - Crops	Character of Storm
					Killed	Injured		
including Prairie Run Creek, and basements. A foot of water ran across some roads in the northern portion of the county. Twenty homes across the county received minor flood damage. Water remained across some roads into the evening hours.								
<b>Allen County Countywide</b>	<b>08 08</b>	<b>0600EST- 0900EST</b>			<b>0</b>	<b>0</b>	<b>4K 0</b>	<b>Flash Flood</b>
Thunderstorm rains of two to three inches in two hours, caused flooding of a few roads and poor drainage areas.								
<b>Licking County Countywide</b>	<b>08 08</b>	<b>0830EST- 1530EST</b>			<b>0</b>	<b>0</b>	<b>750K 100K</b>	<b>Flash Flood</b>
Between two and six inches of rain fell in two hours on top of saturated ground causing widespread flooding of roads, creeks, basements, and crops. A woman had to climb a tree and wait to be rescued after her truck was swept away as she attempted to cross a flooded bridge over the south fork of the Licking River. In Alexandria, a woman had to be rescued from the top of her car after Raccoon Creek spilled its banks. In Pataskala, 40 families were evacuated due to rapidly rising water. Other evacuations took place in Marne and Granville. Flooding from Poverty Run Creek near Marne caused water to be three feet high in some homes. Five homes were washed off their foundation. Countywide, 64 homes were affected by the flooding. Standing water remained across roads into the 12th of August.								
<b>OHIO, Southwestern Cont'd</b>								
<b>Clark County North Half</b>	<b>08 08</b>	<b>0930EST- 1325EST</b>			<b>0</b>	<b>0</b>	<b>100K 0</b>	<b>Flash Flood</b>
Thunderstorm rains of one to four inches in eight hours fell on saturated ground caused flooding of numerous roads, streams, and some basements. Just west of Springfield, 30 to 50 people were evacuated from the Forest Lake Campground due to streams overflowing their banks. Some roads remained closed into the late morning hours of the 9th.								
<b>Miami County Mechanicsburg</b>	<b>08 08</b>	<b>1930EST- 2300EST</b>			<b>0</b>	<b>0</b>	<b>5K 0</b>	<b>Flash Flood</b>
Another round of thunderstorms brought an additional one to three inches of rain in less than two hours causing additional flooding of roads and streams. Six more roads had to be closed due to high water, including State Routes 202 and 571.								
<b>Clark County Countywide</b>	<b>08 09</b>	<b>1930EST- 0000EST</b>			<b>0</b>	<b>0</b>	<b>5K 0</b>	<b>Flash Flood</b>
Thunderstorms re-developed across the county and brought an additional one to two inches of rain in an hour on top of saturated ground. This resulted in more roads being closed and flooding of additional streams.								
<b>Shelby County Countywide</b>	<b>08 08</b>	<b>1935EST- 2330EST</b>			<b>0</b>	<b>0</b>	<b>10K 0</b>	<b>Flash Flood</b>
Another round of thunderstorm rains dropped an additional two to three and one-half inches of rain in two hours on saturated soil. This caused flooding of roads, streams, and basements. Additional evacuations took place in Sidney due to rapidly rising waters.								
<b>Montgomery County Union</b>	<b>08</b>	<b>2235EST</b>			<b>0</b>	<b>0</b>	<b>2K 0</b>	<b>Thunderstorm Winds</b>
Large trees were downed.								
<b>Montgomery County South Half</b>	<b>08 08</b>	<b>2245EST- 2300EST</b>			<b>0</b>	<b>0</b>	<b>15K 0</b>	<b>Thunderstorm Winds</b>
Trees were downed in Trotwood, while a roof was blown off a house in Dayton.								
<b>Preble County South Half</b>	<b>08 08</b>	<b>2254EST- 2315EST</b>			<b>0</b>	<b>0</b>	<b>3K 0</b>	<b>Thunderstorm Winds</b>
Several large trees were downed. Winds were estimated at 60 miles an hour in Eaton.								
<b>Montgomery County Countywide</b>	<b>08 09</b>	<b>2255EST- 0130EST</b>			<b>0</b>	<b>0</b>	<b>5K 0</b>	<b>Flash Flood</b>
Thunderstorm rains of two to four inches in less than two hours resulted in flooding of roads, streams, and poor drainage areas. In Trotwood, the collection of water caused a roof of an unoccupied building to collapse. In North Dayton, some roads had four feet of water across them and were closed for a short time.								
<b>Preble County Countywide</b>	<b>08 09</b>	<b>2300EST- 0130EST</b>			<b>0</b>	<b>0</b>	<b>4K 0</b>	<b>Flash Flood</b>
Between one and three inches of rain fell on saturated ground in 90 minutes causing flooding of some streets and low lying areas.								
<b>Pickaway County Circleville</b>	<b>09 11</b>	<b>0900EST- 0700EST</b>			<b>0</b>	<b>0</b>	<b>0 8K</b>	<b>Flood</b>
The Scioto River at Circleville exceeded flood stage of 14 feet and crested at 15.67 feet at 0330 EST. Only lowland flooding occurred, but some crops were damaged.								
<b>Ross County Bourneville</b>	<b>09 12</b>	<b>1300EST- 1100EST</b>			<b>0</b>	<b>0</b>	<b>0 10K</b>	<b>Flood</b>
Paint Creek at Bourneville exceeded flood stage of 10 feet and crested at 11.63 feet at 0700 EST. Some lowland flooding occurred which damaged some crops.								
<b>Franklin County Reynoldsburg</b>	<b>09</b>	<b>1430EST</b>			<b>1</b>	<b>0</b>	<b>0 0</b>	<b>Lightning</b>

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<p>A 33-year-old man was struck by lightning as he walked down a fairway at the Jefferson Golf and County Club. He died 30 minutes later. M33GF</p>									
<b>Union County</b> Countywide	09-09	1530EST-1715EST			0	0	2K	0	Flash Flood
<p>Thunderstorm rains of nearly two inches in 90 minutes caused some street flooding and flooding of low lying areas.</p>									
<b>Pike County</b> 3 W Waverly	09-09	1700EST			0	0	3K	0	Thunderstorm Winds
<p>A number of trees were downed along State Route 220.</p>									
<b>OHIO, Southwestern Cont'd</b>									
<b>Scioto County</b> Rosemont	09-09	1820EST			0	0	3K	0	Thunderstorm Winds
<p>Several trees downed.</p>									
<b>Clermont County</b> Countywide	09-09	2000EST-2245EST			0	0	5K	0	Flash Flood
<p>Between two and three inches of rain fell in less than two hours on saturated ground causing flooding of streets, streams, and some basements. High water covered U.S. Highway 52 for a short time.</p>									
<b>Butler County</b> Countywide	09-10	2200EST-0000EST			0	0	3K	0	Flash Flood
<p>Thunderstorm rains of one and one-half to two and one-half inches of rain in less than 90 minutes fell on top of saturated soil, causing flooding of some roads and poor drainage areas.</p>									
<b>Hamilton County</b> Countywide	09-10	2215EST-0100EST			0	0	3K	0	Flash Flood
<p>Heavy rains dropped nearly two inches of rain in an hour on top of saturated ground causing flooding of roads and poor drainage areas. Some roads in Mederia and Columbia townships were closed for a short time due to high water.</p>									
<b>Scioto County</b> East Half	09-10	2245EST-0600EST			3	0	125K	0	Flash Flood
<p>Thunderstorm rains of two to five inches in less than three hours fell on saturated ground causing widespread flooding of roads, streams, and basements. At 0015EST a 20-year-old female and her two and four-year-old daughters were swept off a water covered road and killed as they attempted to cross Lick Run Creek one mile northeast of Wheelersburg. Wheelersburg was especially hard hit, as over five inches of rain there caused four to five feet of water to flow across numerous roads. In Green township, 30 people were evacuated, and some rescued from tops of cars due to rapidly rising waters. The heavy rains triggered rock and mud slides which closed State Routes 335, 140 and 522. Standing water remained over some roads into the evening hours of the 10th. F20VE, F04VE, F02VE.</p>									
<b>Pike County</b> East Half	09-10	2245EST-0245EST			0	0	5K	0	Flash Flood
<p>Two to three inches of rain fell in nearly two hours on saturated ground causing flooding of some roads, small streams, and basements.</p>									
<b>Hamilton County</b> Miamitown	10-10	0700EST-1600EST			0	0	2K	0	Flood
<p>The Great Miami River at Miamitown exceeded flood stage of 16 feet and crested at 16.10 feet at 0900EST. Flooding was minor.</p>									
<b>Scioto County</b> East Half	11-11	1335EST-1700EST			0	0	5K	0	Flash Flood
<p>More thunderstorm rains brought nearly two inches of rain on top of saturated ground. This resulted in flooding of a few roads, streams, and some basements. One family was evacuated near Franklin Furnace due to rapidly rising waters.</p>									
<b>Pike County</b> Countywide	11-11	1800EST-2130EST			0	0	5K	0	Flash Flood
<p>Between two and four inches of rain fell on top of saturated ground causing flooding of numerous roads, some streams, and poor drainage areas. Flooding from Swift Creek spilled across State Route 335.</p>									
<b>Ross County</b> Countywide	11-11	1800EST-2300EST			0	0	6K	0	Flash Flood
<p>Numerous roads and streams flooded as two to four inches of rain fell in less than three hours on saturated ground. State Route 207 was closed for a short time due to high water.</p>									
<b>Pickaway County</b> Countywide	11-11	1845EST-2215EST			0	0	3K	0	Flash Flood
<p>Thunderstorm rains of two to three inches fell in less than three hours on top of saturated ground resulting in flooding of a few streets and small streams, as well as poor drainage area.</p>									
<b>Mercer County</b> South Half	17-17	1345EST-1700EST			0	0	2K	0	Flash Flood
<p>Thunderstorm rains of one to three inches fell in less than 90 minutes on top of saturated ground causing flooding of a few roads</p>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
and poor drainage areas. One and one-half inches of rain fell at Fort Recovery in 45 minutes.									
<b>Licking County</b> 4 E Alexandria	17	1440EST			0	0	20K	0	<b>Lightning</b>
		Lightning and resultant fire damaged a garage.							
<b>OHIO, Southwestern Cont'd</b>									
<b>Darke County</b> North Half	17	1500EST-			0	0	6K	0	<b>Flash Flood</b>
	17	1730EST			0	0	6K	0	<b>Flash Flood</b>
		Between one to three inches of rain fell in less than 90 minutes on top of saturated soil causing flooding of some roads, streams, and a few basements. High water covered State Route 118 in Ansonia and State Route 49 for a short time, leaving a car stranded. Street and basement flooding occurred at Rossburg, Rose Hill, Ansonia and New Weston.							
<b>Allen County</b> 3 NE Lima	18	0132EST			0	0	5K	0	<b>Lightning</b>
		A lightning strike sparked a fire which damaged a bedroom of a house.							
<b>Madison County</b> Countywide	18	0945EST-			0	0	4K	0	<b>Flash Flood</b>
	18	1145EST			0	0	4K	0	<b>Flash Flood</b>
		One to three inches of rain fell in one hour onto of saturated ground causing flooding of roads, streams, and poor drainage areas. The worst flooding occurred in West Jefferson where numerous roads were closed due to high water.							
<b>Franklin County</b> Countywide	18	1015EST-			0	0	4K	0	<b>Flash Flood</b>
	18	1215EST			0	0	4K	0	<b>Flash Flood</b>
		Thunderstorm rains dropped one to three inches of rain in around one hour on saturated soil causing flooding of roads, streams, and poor drainage areas. At The Ohio State University, 1.3 inches of rain fell in 20 minutes which resulted in flooding of numerous roads on campus. Standing water remained over some roads into the early evening hours.							
<b>Warren County</b> Mason	18	1302EST			1	0	0	0	<b>Lightning</b>
		A 43-year-old male was struck by lightning while standing in the Beach Water Park parking lot. He died 30 minutes later M43OU							
<b>Scioto County</b> Countywide	18	1415EST-			0	0	5K	0	<b>Flash Flood</b>
	18	1645EST			0	0	5K	0	<b>Flash Flood</b>
		Thunderstorm rains brought nearly two inches of rain in one hour on saturated ground, resulting in flooding of some streets streams, and basements.							
<b>Montgomery County</b> Kettering	19	1619EST			0	0	61K	0	<b>Lightning</b>
		A lightning strike ignited a fire which destroyed two units of the Chatham Village Apartment complex.							
<b>OHIO, Northwestern</b>									
No severe weather was reported.									
<b>OKLAHOMA, Northeastern</b>									
<b>Osage County</b> NR Okesa	01	2200CST-			0	0	?	0	<b>Flash Flood</b>
		2230CST			0	0	?	0	<b>Flash Flood</b>
		Thunderstorms produced very heavy rainfall in Osage County during the evening of August 1st. Six inches of rain fell in Okesa which resulted in flash flooding. Sand Creek and another creek rose out of their banks and over the roads near and just north of Okesa.							
<b>Ottawa County</b> 3 W Miami	03	1520CST			0	0	?	0	<b>Thunderstorm Winds (G52)</b>
		A severe thunderstorm produced 60 mph an hour winds three miles west of Miami.							
<b>Rogers County</b> NR Keetonville Verdigris- S of Inola	06	1340CST			0	0	?	0	<b>Thunderstorm Winds (G65)</b>
	06	1415CST-			0	0	?	0	<b>Thunderstorm Winds</b>
		1445CST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Inola</b> 6 SE Verdigris	06	1420CST			0	0	?	0	<b>Thunderstorm Winds (G61)</b>
	06	1429CST			0	0	?	0	<b>Thunderstorm Winds (G61)</b>
		Hail (0.75)							
<b>8 E Catoosa</b> Wagoner County	06	1434CST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Oneta</b>	06	1440CST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>2 N Wagoner</b>	06	1440CST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>7 NE Wagoner</b>	06	1440CST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Rogers County</b> 2 W Inola	06	1444CST			0	0	?	0	<b>Thunderstorm Winds (G70)</b>
<b>Maves County</b> 3 SW Mazie	06	1450CST			0	0	?	0	<b>Thunderstorm Winds (G61)</b>
<b>Wagoner County</b> 5 NE Wagoner	06	1515CST			0	0	?	0	<b>Thunderstorm Winds (G63)</b>
<b>Cherokee County</b> Hulbert	06	1535CST			0	0	?	0	<b>Thunderstorm Winds (G56)</b>
		Isolated severe thunderstorms developed in northeast Oklahoma during the afternoon of August 6th. Strong thunderstorm							

# Storm Data and Unusual Weather Phenomena

August 1995

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, Northeastern Cont'd

winds downed power poles seven miles northeast of Wagoner, and trees were blown down in Oneta and two miles north of Wagoner. Trees were also blown down from Verdigris to south of Inola, and four-inch diameter tree limbs were blown down eight miles east of Catoosa. Thunderstorm winds gusted to 80 miles an hour two miles west of Inola, to 70 to 80 miles an hour near Keetonville, and to 70 to 75 miles an hour five miles northeast of Wagoner. Thunderstorm winds gusted to 70 miles an hour in Inola, six miles southeast of Verdigris, and three miles southwest of Mazie and to 60 to 70 mph in Hulbert. Dime-size hail also fell six miles southeast of Verdigris.

Latimer County 5 E Wilburton	19	1300CST			0	0	?	0	Hail (0.75)
McCurtain County Garvin	19	1310CST			0	0	2K	0	Thunderstorm Winds
Sequoyah County Vian	19	1400CST			0	0	?	0	Hail (0.75)
Cherokee County 4 S Welling	19	1415CST			0	0	?	0	Thunderstorm Winds
Muskogee County 1 NW Webbers Falls	19	1415CST			0	0	?	0	Thunderstorm Winds
Pittsburg County Quinton	19	1430CST			0	0	1K	0	Thunderstorm Winds (G52)
Muskogee County 5 S Muskogee	19	1500CST			0	0	1K	0	Thunderstorm Winds
6 S Muskogee	19	1500CST			0	0	?	0	Thunderstorm Winds (G55)
McIntosh County 5 N Eufaula	19	1510CST			0	0	?	0	Thunderstorm Winds (G52) Hail (0.75)
Okfuskee County Okemah	19	1625CST			0	0	?	0	Hail (0.75)

Severe thunderstorms developed in eastern Oklahoma during the afternoon of August 19th. Strong thunderstorm winds in Garvin blew the roofs off several homes and also damaged antennas. Numerous trees, power lines, and power poles were also blown down in Garvin. A well house was blown down by 60 mph winds in Quinton, and strong thunderstorm winds tore a carport from a house five miles south of Muskogee. Several large tree limbs were blown down four miles south of Welling and one mile northwest of Webbers Falls. A pilot at Muskogee Davis Field Airport six miles south of Muskogee observed 50 to 60 knot (58 to 69 mile an hour) wind gusts, and thunderstorm winds gusted to 60 mph five miles north of Eufaula. Dime-size hail fell five miles east of Wilburton, at Vian, 5 miles north of Eufaula, and at Okemah.

McCurtain County 8 S Idabel	20	1730CST			0	0	15K	0	Thunderstorm Winds
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An isolated severe thunderstorm produced damaging winds eight miles south of Idabel. A greenhouse collapsed due to the strong winds, and a trailer was flipped an estimated 23 feet. U.S. Highway 259 was closed when a barn was blown onto the highway, and numerous trees and power lines were blown down.

## OKLAHOMA, Western, Central and Southeastern

Payne County Stillwater	01	0700CST			0	0	?	?	Flash Flood
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Heavy rain in Payne County resulted in flash flooding in Stillwater, where widespread street flooding was reported.

Payne County Nrn Stillwater	01 01	1900CST- 2200CST			0	0	5	?	Flash Flood
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Over five inches of rain fell in less than three hours (between 1600 and 1900 CST) in northern Stillwater. Over 40 homes were flooded, including 12 where families were evacuated by boat. At least 24 cars were stranded in high water.

Harmon County Hollis	02	1000CST			0	0	?	?	Flash Flood
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Jackson County 4 S Humphries	02	1050CST			0	0	?	?	Flash Flood
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Thunderstorms caused flash flooding in southwest Oklahoma. In Harmon County, 10 inches of water flowed down Eula Street in downtown Hollis. In Jackson County, SH 5 was closed due to high water four miles south of Humphries.

Washita County 2 W Dill City	02	2100CST			0	0	?	?	Flash Flood
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Blaine County Nr Okeene	02	2106CST			0	0	?	?	Flash Flood
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Jackson County Duke	02 03	2130CST- 0010CST			0	0	?	?	Flash Flood
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Kiowa County 1 N Roosevelt	02 03	2330CST- 0300CST			0	0	?	?	Flash Flood
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Kiowa County 3 N Snyder	02 03	2330CST- 0300CST			0	0	?	?	Flash Flood
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Harmon County 4 E Hollis	03	0000CST			0	0	?	?	Flash Flood
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Harmon County 5 S Gould	03	0100CST			0	0	?	?	Flash Flood
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## OKLAHOMA, Western, Central, and Southeastern Cont'd

Afternoon and evening thunderstorms resulted in flash flooding across parts of western Oklahoma. State Highway 51 was under 1.5 feet of water and closed from Okeene to United States 51A in Blaine County. One mile northwest of Watonga (also in Blaine County), high water covered SH 51A.

# Storm Data and Unusual Weather Phenomena

August 1995

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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U.S. Highway 62 was covered by water four miles east of Hollis in Harmon County and was closed in Duke in Jackson County with one foot of water over the road. Highway 5 in Harmon County was also closed due to flash flooding five miles south of Gould. In Kiowa County, high water was reported on SH 19 and United States 183 one mile north of Roosevelt. Three miles north of Snyder high water also covered United States 183. State Highway 152 was under water two miles west of Dill City in Washita County.

Alfalfa County Cherokee	03	0700CST			0	0	?	?	Flash Flood
Grant County 2 S Jefferson	03	0700CST			0	0	?	?	Flash Flood
Grant County Nr Medford	03	0700CST- 1020CST			0	0	?	?	Flash Flood
Washita County 1 SW Burns Flat	03	0700CST			0	0	?	?	Flash Flood
Alfalfa County Jet	03	1017CST			0	0	?	?	Flash Flood
Grant County Nash	03	1017CST			0	0	?	?	Flash Flood
Garfield County Nash	03	1200CST			0	0	?	?	Flash Flood

Morning thunderstorms across northern and western Oklahoma resulted in several reports of flash flooding. A county road was under water 1 mile southwest of Burns Flat in Washita County, and in Garfield County 2.5 feet of water covered a county-road bridge near Nash. In Alfalfa County, water flooded numerous streets in Cherokee and covered SH 11 east of town. In Jet U.S. 64 was closed. In Grant County only one lane of U.S. 81 remained open two miles south of Jefferson. Highway 11 was closed both east and west of Medford and SH 132 was closed from Nash north to the Kansas border due to high water. After several consecutive days of rain and thunderstorms, flash flooding became a river flood event across much of northern Oklahoma and parts of western North Texas. The wet weather pattern was driven largely by the remnants of Tropical Storm Dean. Dean came on shore on the Texas Gulf Coast the evening of July 31st. Heavy rains followed across much of Texas and Oklahoma through the next week. Rainfall amounts of eight to 12 inches were common, with some areas reporting as much as 16 inches of rain in the six day period from July 31st through August 5th.

River flooding in north-central Oklahoma was particularly severe. The Salt Fork of the Arkansas River crested over 10 feet above flood stage in some locations. In Grant County, over 50 people were evacuated from flooded homes in the town of Jefferson. Flood waters climbed as high as three feet into some homes. The town of Pond Creek lacked drinking water for several days after the pump house was flooded. An observer in Hawley (a small community about six miles north of Nash reported 16 inches of rain from August 1st through 3rd.

Just downstream in Kay County, the Salt Fork crested at 7.65 feet, over 10 feet above flood stage, at 0200 CST Saturday August 5th. Interstate 35 was closed just west of Tonkawa from 1930 CST on the 4th to 1000 CST on the 5th as the river overflowed its banks. At the river's crest, over 2.5 feet of water covered the interstate. At least 12 rural homes in Kay County received water damage, including one farm six miles west of Tonkawa that measured 46 inches of water in the house. At least 63 homes suffered major flood damage in Grant and Kay Counties combined.

In Woods County the swollen Salt Fork left six inches of water in a car showroom in Alva. In Washita County one man drowned when his car was washed off the spillway of Clinton Lake (about three miles east of Canute) and into Monument Creek. The two passengers were able to swim to safety. In Alfalfa County, over two feet of water flooded a car dealer in Cherokee and five homes were flooded by an overflowing Cottonwood Canyon.

In Major County, 40 miles of roads were closed and 100 additional miles required caution due to flooding. Two bridges were washed away, including a 120-foot bridge over Eagle Chief Creek two miles north of Cleo Springs. Over 50 drainage pipes throughout the county were also washed out. Water also flooded several businesses in Fairview. In Blaine County, flooding of the North Canadian River resulted in heavy damage in Longdale. One church was completely destroyed and 15 homes received flood damage. The town hall and at least one business had three inches of water inside. Two barns in Cleveland County were washed away by the Canadian River. In Kingfisher County, Kingfisher Creek flooded in Dover, and in Jackson County several county roads were washed out by flooded creeks.

Woods County 6 W Alva	06	0035CST			0	0	?	?	Thunderstorm Winds (G56)
Alfalfa County 9 NE Byron	06	0100CST			0	0	?	?	Thunderstorm Winds (G52) Severe thunderstorm winds in northwest Oklahoma reached 65 mph six miles west of Alva in Woods County.
Atoka County 5 S Lane	20	1430CST			0	0	4	?	Thunderstorm Winds Severe thunderstorm winds uprooted a four-foot tree, which fell onto a truck.

## OKLAHOMA, Panhandle

Texas County Hooker	14	1525CST			0	0	0	0	Thunderstorm Winds (G60) Oklahoma mesonet at Hooker reported winds of 69 MPH.
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## OREGON, Southeast

Baker County Unity	03	1800PST			?	?	?	?	Hail (1.00)
Union County North Powder	10	1530PST			?	?	?	?	Hail (0.75)
Multnomah County Gresham	17	1630PST			?	3	?	?	Lightning

The coach and two 11-year-old members of the Centennial Youth Football team were injured by lightning. Members of the team had returned to the football field after a rain shower ended when a lightning bolt struck the grass near where 36-year-old coach Rob Porterfield and Christian Core of Portland and Kyle Washburn of Troutdale were standing. Christian required CPR and was in critical condition before being released from the hospital a few days later.

# Storm Data and Unusual Weather Phenomena

August 1995

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, Northwest</b>									
PAZ001>003 Northern Ohio	1 3	1200EST- 2100EST			1	5	0	0	Heat Wave
Hot weather with afternoon temperatures in the 90s and relatively high humidity caused injuries and a fatality. All occurred in the Erie area and the one fatality was a 67-year-old man. Injuries were generally from heat stress/stroke. Figures for the fatalities are from the county coroners. The number of injuries is uncertain due to the lack of reporting and the actual number treated for heat stress/stroke is likely higher. M67PH									
PAZ001>003 Northwest Pennsylvania	8 22	1200EST- 2000EST			4	15	200K	50K	Heat Wave Drought
An unusually long period of hot weather with afternoon temperatures generally in the 90s and relatively high humidity caused injuries and fatalities. Nights remained unusually warm and in a number of cases temperatures only dropped to near 80 during the early morning hours. Utility systems suffered a high incidence of breakdown due to prolonged high demand and some roads buckled in the heat. All fatalities and injuries were reported from around the city of Erie. Injuries were generally from heat stress/stroke. Figures for the fatalities are from the county coroners. The number of injuries is uncertain due to lack of reporting and the actual number treated for heat stress/stroke is likely higher. The heat in itself was not a detriment for crops but rainfall was spotty and combined with the excessive heat crop yields began to be affected by the lack of rain by the end of the heat wave. M71PH, M79PH, M62PH, M50PH.									
Erie County City of Erie East side	11	0830EST			0	0	0	0	Hail (0.75)
Erie County Countywide	11	0830EST			0	0	2K	0	Thunderstorm Winds Trees were downed in several locations.
Erie County Countywide	11	0910EST			0	0	4K	0	Flash Flood Thunderstorm rains of 1.5 to two inches in less than two hours produced street and small stream flooding in several locations.
Crawford County Countywide	13	2110EST			0	0	5K	0	Thunderstorm Winds Trees were downed in a number of locations along with several utility poles.
Erie County Waterford Township	14	0430EST			0	0	60K	0	Lightning Lightning struck a barn and started a fire that destroyed the barn, a new tractor, and a large amount of hay.
Crawford County Saegertown	15	1505EST			0	0	3K	0	Flash Flood Heavy thunderstorm rains of about 2.5 inches in less than two hours produced flooding of streets and poor drainage areas.
Crawford County North of Meadville	15	1555EST			0	0	2K	0	Thunderstorm Winds Trees were downed.
<b>PENNSYLVANIA, Eastern</b>									
PAZ071 Philadelphia County	20 05	0900EST- 2100EST			13	?	?	0	Heat Wave
PAZ067>070	23 05	0900EST- 2000EST			9	?	?	?	Heat Wave
PAZ045-046-049> 053-056-057-059- 063>066	29 04	0400EST- 2000EST			0	?	?	?	Heat Wave
PAZ043-044-047- 054-060>062	31 04	0900EST- 2000EST			6	?	?	?	Heat Wave
One of the longest heat waves to ever affect the Philadelphia area fell one day short of the all-time record longest heat wave of 18 days set in 1988. The late July heat wave spread north and westward and by early August covered the southern two-thirds of Eastern Pennsylvania. The heat wave culminated with record breaking high temperatures on both the 2nd and 4th. It ended on the 4th and 5th as a cold frontal passage and clouds and precipitation associated with the remnants of Hurricane Erin kept readings from reaching the 90s. Another 28 heat related deaths occurred during the August part of this heat wave: 13 were reported in Philadelphia, four in Carbon and Montgomery Counties, three in Delaware County, two in Bucks and Berks (in Reading) Counties. Hottest									
<b>PENNSYLVANIA, Eastern Cont'd</b>									
Clinton County Lock Haven	02	1709EST			0	0	?	?	Thunderstorm Winds A severe thunderstorm knocked over trees onto wires in Lock Haven.
Northumberland County Shamokin	02	1737EST			0	0	?	0	Lightning A lightning bolt struck an apartment building's exterior electrical box, traveled down its electrical wires and set a mattress on fire within an apartment.

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Lycoming County</b> Jersey Shore	02	1759EST			0	0	?	?	<b>Thunderstorm Winds</b> A severe thunderstorm uprooted several trees and pulled down a few wires in Jersey Shore.
<b>Schuylkill County</b> 1 E Pottsville	02	1820EST			0	0	?	?	<b>Thunderstorm Winds</b> Large limbs were ripped from trees onto wires and transformers just east of Pottsville.
<b>Northumberland County</b> Elysburg	02	1822EST			0	0	?	0	<b>Lightning</b> Lightning blackened the roof and a water pipe of an Elysburg home. It also caused light to moderate damage to the house's exterior.
<b>Lycoming County</b> Barbours	02	1851EST			0	0	?	?	<b>Thunderstorm Winds</b> A thunderstorm with damaging wind gusts uprooted trees in Plunknownetts Creek Township. One tree fell on and damaged a house in Barbours.
<b>Sullivan County</b> 4 S Forksville	02	1915EST			0	0	?	?	<b>Thunderstorm Winds</b> Severe thunderstorm uprooted trees south of Worlds End State Park.
<b>Bradford County</b> Northeast	02	2100EST			0	0	20K	0	<b>Thunderstorm Winds</b> An isolated severe thunderstorm uprooted trees across much of Northeastern Bradford County. Uprooted trees were reported in Orwell, Rome, Troy and Ulster.
<b>Susquehanna County</b> New Milford	04	1615EST			0	0	6K	0	<b>Thunderstorm Winds</b> Several trees were uprooted in and around New Milford.
<b>Tioga County</b> Sabinsville	04	1645EST			0	0			<b>Thunderstorm Winds</b> Downed trees were reported in Sabinsville.
<b>Pike County</b> Milford	04	1900EST			0	0	5K	0	<b>Thunderstorm Winds</b> A severe thunderstorm toppled trees in Milford.
<b>Carbon County</b> 1 S Christmans	04 04	2038EST- 2048EST			0	0	?	?	<b>Lightning</b> An intense thunderstorm produced considerable cloud to ground lightning in Penn Forest Township and caused four house fires. A summer home off of Pennsylvania State Route 903 was completely destroyed. The shed of a house within the Pleasant Valley West Development was also destroyed. The third house had its electrical system knocked out. Damage to the fourth home was unknown. One firefighter was injured fighting the blazes.
<b>Adams County</b> <b>York County</b> Hanover	05 05	1400EST 1400EST			0	0	?	?	<b>Southeast</b> <b>Thunderstorm Winds</b> A severe thunderstorm uprooted trees in southeast parts of Adams County. It also uprooted trees in Hanover of neighboring York County.
<b>Susquehanna County</b> Gibson	05 05	1400EST- 1500EST			0	?	25K	0	<b>Thunderstorm Winds</b> A severe thunderstorm uprooted and snapped large pine trees at Camp of the Nations in Gibson. A mobile home was also overturned.
<b>York County</b> Spring Grove	05	1430EST			0	0	?	?	<b>Thunderstorm Winds</b> A severe thunderstorm uprooted several trees in Spring Grove and tore the roof from a barn in nearby Jackson Township.
<b>PENNSYLVANIA, Eastern Cont'd</b>									
<b>Northampton County</b> 2 E Hellertown	05	1500EST			0	0	40K	0	<b>Lightning</b> Lightning struck a Lower Saucon Township home and started a fire within its attic. The strike also strewed the chimney masonry across the lawn. It took about 30 minutes for firefighters to bring it under control. Damage was estimated between \$30 thousand and \$40 thousand.
<b>Lehigh County</b> Allentown	05	1500EST			0	0	?	?	<b>Thunderstorm Winds</b> A severe thunderstorm tore down large tree limbs within Allentown. One badly dented a car roof. The damaging winds also pulled down wires in nearby South Whitehall Township. The combination of high winds and lightning strikes caused 5,600 Pennsylvania Power and Light Customers to lose power, 4,400 within the Allentown area.
<b>Chester County</b> Southern	05	1530EST			0	0	?	?	<b>Thunderstorm Winds</b> A severe thunderstorm downed wires and uprooted several trees across Southern Chester County.
<b>Delaware County</b> Upper Darby	05	1530EST			0	0	?	?	<b>Thunderstorm Winds</b> A severe thunderstorm uprooted numerous trees in the western part of the township. Trees blocked Ashland, Belmont and Woodside Avenues. A tree landed on and caused minor damage to a house.
<b>PAZ071</b>	11	0900EST-							



# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Philadelphia County</b>	<b>18</b>	<b>2000EST</b>			<b>1</b>	<b>?</b>	<b>?</b>	<b>0</b>	<b>Heat Wave</b>
<b>PAZ067&gt;070</b>	<b>12</b>	<b>0900EST-1900EST</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
<b>PAZ045-046-049&gt;053-056-057-059-063&gt;066</b>	<b>12</b>	<b>1000EST-1900EST</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
	<b>18</b>	<b>1900EST</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
<p>The last prolonged heat wave of the torrid summer of 1995 affected extreme southeast Pennsylvania and the Middle and Lower Susquehanna Valley in Mid August. At the same time Hurricane Felix was meandering around the Western Atlantic. The downward motion that surrounded this tropical system (Eastern Pennsylvania was located within this downward area.) resulted in little, if any, precipitation during the heat wave. Numerous daily record high temperature records were set including 96F on the 17th and 98F on the 18th in Philadelphia; 96F on the 16th, 97F on the 17th and 96F on the 18th in Williamsport. The hottest reading during the heat wave at Harrisburg was 96F and Lock Haven 94F. Unlike this summer's previous heat waves, this one caused only one (reported) heat related death. A 90-year-old Philadelphia woman died on the 13th. (F90PH)</p>									
<b>Wyoming County</b>	<b>12</b>	<b>1510EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Mehoopany</b>	A severe thunderstorm downed trees and power lines along Pennsylvania State Route 87 in Mehoopany and Forkston.								
<b>Berks County</b>	<b>12</b>	<b>1530EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Dougllassville</b>	Damaging wind gusts took the roof from a house under construction in Dougllassville. They also knocked the chimney down. Trees were uprooted along the Old Philadelphia Pike.								
<b>York County</b>	<b>12</b>	<b>1845EST</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Wrightsville</b>	<b>12</b>	<b>1845EST</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Lancaster County</b>	A severe thunderstorm over the lower Susquehanna River caused wind damage to townships on both banks of the river. In east central York County numerous trees were uprooted in Wrightsville and Lower Windsor Township. Wind damage in Lower Windsor Township was estimated at \$10 thousand. Boathouse Road (For 1.5 miles) and Pennsylvania State Route 624 were closed because of fallen trees. Fallen trees damaged at least one home. Wind damaged about a dozen boats at the Susquehanna Yacht Club and Long Level Marina. Several boats were thrown ashore, a pontoon boat was overturned and a flag was torn off a pole. On the other side of the Susquehanna, the severe thunderstorm tore panels from an abandoned commercial building in Columbia.								
<b>PAZ043-044-047</b>	<b>14</b>	<b>1000EST-1900EST</b>			<b>0</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
<p>The last heat wave of the torrid summer of 1995 affected the Wyoming and Susquehanna Valleys of northeast Pennsylvania. At the same time Hurricane Felix was meandering around the Western Atlantic. The downward motion that surrounded this tropical system (Northeast Pennsylvania was located within this downward area.) resulted in little precipitation during the heat wave. Daily record high temperature records were tied in Avoca on both the 15th (94F) and 18th (93F).</p>									
<b>Sullivan County</b>	<b>14</b>	<b>1850EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>2 NW Eagles Mere</b>	A severe thunderstorm knocked over trees onto Pennsylvania State Route 3009 a little northwest of Eagles Mere.								
<b>York County</b>	<b>14</b>	<b>2030EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>2 NE York</b>	A severe thunderstorm uprooted a few trees and power lines just northeast of York.								
<b>PAZ060&gt;062</b>	<b>16</b>	<b>1000EST-1900EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Heat Wave</b>
<p>The last heat wave of the torrid summer of 1995 affected the Upper Schuylkill and Lehigh Valleys of Eastern Pennsylvania. At the same time Hurricane Felix was meandering around the Western Atlantic. The downward motion that surrounded this tropical system (Northeast Pennsylvania was located within this downward area.) resulted in no precipitation during the heat wave. The hottest temperature reported in both Reading and Allentown were 93F.</p>									
<b>PENNSYLVANIA, Eastern Cont'd</b>									
<b>Lancaster County</b>	<b>18</b>	<b>1200EST-2100EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Wildfire</b>
<b>25</b>	An unusually dry August and the recent heat wave helped exacerbate brush fires throughout the county the week of August 18th. About 10 acres of brush were burned. Most of the fires were caused by sparks from railroad cars.								
<b>Luzerne County</b>	<b>21</b>	<b>1650EST</b>			<b>0</b>	<b>0</b>	<b>30K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Dupont</b>	A severe thunderstorm downed trees and power lines and ripped siding from several homes in Dupont.								
<b>Carbon County</b>	<b>29</b>	<b>1300EST-1500EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Wildfire</b>
<b>Tresckow</b>	An unusually dry August helped exacerbate a small forest fire which started during the afternoon of the 29th around Sprig Mountain in the village of Tresckow. Several acres were burned, but the fire was under control within two hours.								
<b>Tioga County</b>	<b>31</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Knoxville</b>	A severe thunderstorm uprooted trees in Deerfield Township.								
<b>Susquehanna County</b>	<b>31</b>	<b>1815EST-1830EST</b>			<b>0</b>	<b>0</b>	<b>22K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Northern Half</b>	A line of severe thunderstorms uprooted trees across the northern half of Susquehanna County. Wind damage was reported in Friendsville, Susquehanna, New Milford and Jackson.								

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Bradford County</b> Troy	<b>31</b>	<b>1829EST</b>			<b>0</b>	<b>0</b>	<b>6K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Trees and power lines were reported uprooted in Troy.									
<b>Tioga County</b> Wellsboro	<b>31</b>	<b>1830EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
A severe thunderstorm uprooted trees and knocked over power lines in Wellsboro.									
<b>Bradford County</b> Southern	<b>31</b> <b>31</b>	<b>1851EST-</b> <b>1855EST</b>			<b>0</b>	<b>0</b>	<b>18K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Severe thunderstorms downed power lines and uprooted trees in Canton and Wilmont.									
<b>Wyoming County</b> Eastern Half	<b>31</b> <b>31</b>	<b>1910EST-</b> <b>1920EST</b>			<b>0</b>	<b>0</b>	<b>18K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A squall line of severe thunderstorms caused wind damage in Eatonville, Nicholson and North Moreland.									
<b>Sullivan County</b> Muncy Valley	<b>31</b>	<b>1945EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
A severe thunderstorm uprooted trees across a highway in Muncy Valley.									
<b>Wayne County</b> Waymart	<b>31</b>	<b>1945EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Trees were uprooted and power lines snapped in Waymart.									
<b>Lackawanna County</b> Olyphant	<b>31</b>	<b>1951EST</b>			<b>0</b>	<b>0</b>	<b>7K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A severe thunderstorm downed a few trees and power lines in Olyphant.									
<b>Wayne County</b> Honesdale	<b>31</b>	<b>2000EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A severe thunderstorm downed power lines and trees in Honesdale.									
<b>PAZ037&gt;071</b>		<b>Month Long</b>			<b>29</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Unseasonably Warm and Dry</b>
August 1995 was one of the warmest and driest Augusts on record in Eastern Pennsylvania. Twenty-nine heat related deaths were reported, fourteen occurred within Philadelphia. Monthly mean temperatures were 79.9F in Philadelphia (2nd warmest ever), 77.4F in Harrisburg, 75.9F in Williamsport (warmest ever) and 74.7F in Avoca (2nd warmest ever). Both Avoca (12 days) and Philadelphia (17 days) tied their records for most 90 degree days, while Williamsport set a new record with 18 days of 90 degree or warmer weather.									
In addition to the excessive heat, August 1995 was one of the driest Augusts on record. Only Bradford, Columbia, Montour and Susquehanna Counties had greater than 50 percent of normal precipitation. Precipitation monthly deficiencies reached around 3.5 inches or about 20 percent of normal in the Lower Susquehanna and Lehigh Valleys and around Philadelphia. It was the driest August on record in Allentown (0.76 inches), Lancaster (0.43 inches), Harrisburg (0.53 inches) and Reading (0.10 inches). It was the third driest August on record in Avoca (0.95 inches) and Williamsport (0.93 inches) and the tenth driest August on record in Philadelphia (1.15 inches). By the end of the month wells were beginning to run dry in Bucks, Montgomery and Monroe Counties. A drought warning was declared by Upper Makefield Township in Bucks County and water restrictions were imposed by two municipalities in Lancaster County. (F91PH), (M54PH), (F87PH), (M53VE), (M51PH), (M56OU), (M66PH), (F87PH), (F71PH), (F70PH), (F77PH), (F73PH), (M70PH), (F77PH), (M55PH), (F90PH)(??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT), (??OT)									

## PENNSYLVANIA, Eastern Cont'd

<b>PAZ037&gt;071</b>		<b>Season Long</b>			<b>96</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>Unseasonably Warm Drought</b>
The summer of 1995 was one of the warmest and driest summers on record throughout Eastern Pennsylvania. Ninety-six heat related deaths were reported, seventy-two within Philadelphia. The majority of deaths occurred during the mid-July heat wave. Most persons who died were elderly, had underlying illnesses and lived in attached housing with inadequate ventilation. Countless others suffered from heat exhaustion. It was the warmest summer on record (78.6F) in Philadelphia surpassing the record of 78.4F set just last year. It was the 2nd warmest summer on record in Avoca (73.3 degrees) and 4th warmest summer on record in Williamsport (74.0 degrees).									
In addition to the excessive heat, the summer of 1995 ranked as one of the ten driest on record. It was the second driest summer on record in Avoca (5.56 inches) and the third driest summer on record in both Philadelphia (4.69 inches) and Williamsport (6.36 inches). This exacerbated precipitation deficiencies that began in September 1994. Yearly precipitation deficiencies were approaching 10 inches in parts of the Poconos and Southeast Pennsylvania and around 15 inches since September 1994. This was the longest drought for most of Eastern Pennsylvania since July 1984-August 1985. Pennsylvania was on the verge of drought declarations. The dry weather also took its toll on crops throughout the state, especially water sensitive corn and tomatoes. (M80OU), (F85OU), (M57VE), (M72PH), (M72PH), (F64PH), (M83PH), (M61PH), (F52PH), (M83PH), (M81PH), (F35PH), (M49PH), (M54PH), (M77PH), (M51PH), (F80PH), (F80PH), (F78PH), (F48PH), (F72PH), (F84PH), (M76PH), (F86PH), (F95PH), (M76PH), (F71PH), (M85PH), (M87PH), (F83PH), (M80PH), (F72PH), (F71PH), (M65PH), (F83PH), (M54PH), (F89PH), (M70PH), (??PH), (??PH), (F87PH), (F74PH), (M80PH), (M65PH), (M68PH), (M49PH), (F74PH), (M88PH), (M61PH), (M80PH), (M61PH), (M48PH), (M70PH), (F80PH), (M67PH), (F96PH), (M71PH), (M83PH), (M54PH), (M60PH), (M75PH), (F85PH), (F57PH), (M74PH), (F77PH), (M70sPH), (M71PH), (F91PH), (M54PH), (F87PH), (M55VE), (M51PH), (M56OU), (M66PH), (F87PH), (F71PH), (F70PH), (F77PH), (F73PH), (M70PH), (F77PH), (M55PH), (F90PH), (??OT)									

## PENNSYLVANIA, Central

<b>Cambria County</b> Elder Township	<b>02</b> <b>02</b>	<b>1430EST-</b> <b>1545EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood/Flash Flood</b>
Street and basement flooding. Mud and rock slide in Elder Township.									
<b>Franklin County</b> Caledonia State Park	<b>02</b>	<b>1532EST-</b>							

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
Clearfield County Kylertown	02	1700EST			0	0	?	?	Flood/Flash Flood
	Several reports of street flooding.								
Huntingdon County Cass Township	02	1612EST			0	0	?	?	Thunderstorm Winds
	A garage door was blown in and several trees were downed in Kylertown.								
Warren County Pleasant and Rocky Gap	02	1655EST			0	0	?	?	Lightning
	Lightning started a fire that resulted in the fiery destruction of a Cass Township home.								
Potter County Sunderlinville	04	1555EST			0	0	?	?	Thunderstorm Winds
	Route 337 was closed by downed trees.								
Fulton County I W. Needmore	04	1635EST			0	0	?	?	Thunderstorm Winds
	Several Barn doors were ripped off and trees were damaged in Sunderlinville.								
Franklin County Gilford Township	05	1200EST			0	0	?	?	Thunderstorm Winds
	Winds snapped a number of trees over the higher elevations west of Needmore.								
Warren County Columbus Tidioute	05	1300EST			0	0	?	?	Thunderstorm Winds
	Several powerlines were downed in Gilford Township south of Chambersburg.								
Cambria County Johnstown	11	0900EST			0	0	?	?	Thunderstorm Winds
	11	0950EST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds damaged and downed several trees in Columbus and Tidioute.									
Mckean County Smethport	13	2205EST			0	0	?	?	Thunderstorm Winds (G52)
	Winds gusted to 60 mph in Johnstown.								
Potter County Ellisburg Brookland	15	1800EST-			0	0	?	?	Flood/Flash Flood
	15	2100EST			0	0	?	?	Flood/Flash Flood
Small stream flooding and fair grounds also flooded.									
Potter County Ellisburg Brookland	31	1730EST			0	0	?	?	Thunderstorm Winds
	31	1735EST			0	0	?	?	Thunderstorm Winds
A wood silo was blown down and a barn was damaged by strong thunderstorm winds southwest of Brookland on Route SR1001. Several trees also were downed near Ellisburg.									

## PENNSYLVANIA, Central Cont'd

PAZ004>006-  
010>012-  
017>019-  
024>028-  
033>036

?	?	?	?	?	<b>Drought</b>
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August was a hot and dry month across the region. Dry weather took a toll on crops and livestock. Rainfall for August was 1.4 to 2.9 inches below normal. Worse dry spell since the summer of 1991. Crop yields estimated to be off by 30 to 50 percent in some locations.

## PENNSYLVANIA, Western

Allegheny County  
Westmoreland County  
Washington County  
Lawrence County  
Beaver County

01-31	2	100	75K	?	<b>Extreme Heat</b>
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August 1995 was the second hottest August on record for Pittsburgh. The average high temperature for the month was 89 degrees and the average low was 66.4 degrees, giving an average mean temperature of 77.7 degrees, 7.2 degrees above normal. The hottest August ever had a mean temperature of 78.7 degrees in 1900. August 1995 ranked as the fifth hottest month ever since records began in 1871. There were 15 days during the month when the high temperature was 90 degrees or more, more than any other August on record. High temperatures were 90 degrees or more on the 13th through the 20th. The average daily temperature during this period never fell below 80 degrees. A four-year-old girl died on August 2nd after suffering heat stroke, according to an autopsy report, the previous afternoon in Peters Township, Washington County. The child had reportedly been left in a day-care center van for approximately two and one-half hours. The afternoon high temperature on the 1st at Pittsburgh International Airport was 94 degrees. A record high temperature of 96 degrees was tied on the 3rd. On the 13th the temperature was in the 90s with dew points in the mid to upper 70s, creating heat indices in the 100 to 110 degree range. There were 60-70 heat related injuries on the 13th at Three Rivers Stadium during an early afternoon Pittsburgh Steeler's pre-season football game. On the 14th around 2030 EST, a concrete slab on the Pennsylvania Turnpike in Southwest Lawrence County, buckled due to the heat. Temperatures were in the mid 90s earlier in the afternoon. The buckled road created a 15-inch tall ramp that at least six vehicles vaulted. The vehicles were damaged after landing due to the impact or because they went out of control. Eight motorists were injured, two were hospitalized overnight because of back injuries. On the 16th, a portion of Interstate 79 southbound between Route 60 and the Parkway West, in Allegheny County was closed after the highway buckled under intense heat.

At least five other major roads in Allegheny, Lawrence, and Beaver Counties were similarly damaged due to the heat in August. The Pennsylvania Department of Transportation estimated damages to the roads at \$75K.

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<p>Also on the 14th, a Peters Township, Washington County, high school football player was hospitalized due to heat-related dehydration suffered during a practice session.</p> <p>On the 15th, Pittsburgh broke a record high temperature with 96 degrees. Also on the 15th, the daily mean temperature was 84 degrees, which tied the previous daily record mean. Heat indices were again in the 100-110 degree range.</p> <p>A record mean temperature of 84 degrees was also tied on the 16th. On the 16th, a 27-year-old male died of heat stroke after wandering from a state mental hospital in Bridgeville, Allegheny County. The high temperature on the 16th at Pittsburgh International Airport was 93 degrees. Several area schools had early dismissals due to the heat late in the month.</p> <p>This heat wave also marked the beginning of a severe state-wide drought. No widespread rain fell in Western Pennsylvania since August 12th. For Pittsburgh August rainfall was 1.75 inches, 1.46 inches below normal. The yearly total through the end of August was 6.26 inches below normal. By the end of the month a ban was placed on open fires in State Forests and Parks. The heat and lack of rainfall was drying up ponds on farms used for irrigation and livestock. Water rationing measures began in Fox Chapel, Allegheny County and in Cranberry Township, Butler County. Most of the damage due to the drought was realized during September and details can be found in September's F04VE, M27OU</p>									
<b>Indiana County</b> <b>Seward</b>	<b>02</b>	<b>1614EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Large limbs and a tree were downed in Seward.									
<b>Fayette County</b> <b>Melcroft</b>	<b>02</b>	<b>1620EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Westmoreland County</b> <b>New Florence</b>	<b>02</b>	<b>1620EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A few trees downed, some across roads in New Florence.									
<b>Indiana County</b> <b>Bolivar</b>	<b>02</b>	<b>1634EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Boltz</b>	<b>02</b>	<b>1635EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Large limbs and a couple of trees were downed in Bolivar and Boltz.									
<b>Indiana County</b> <b>Robinson</b>	<b>02</b>	<b>1719EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Kintersburg</b>	<b>02</b>	<b>1747EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Several trees were downed in Robinson and Kintersburg.									
<b>Westmoreland County</b> <b>Madison</b>	<b>02</b>	<b>1815EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Greensburg</b>	<b>02</b>	<b>1830EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Numerous trees were downed in and near Madison. Several windows were blown out at an auto parts store in Greensburg.									
<b>Westmoreland County</b> <b>Grapeville</b>	<b>02</b>	<b>1830EST</b>			<b>0</b>	<b>0</b>	<b>8K</b>	<b>0</b>	<b>Lightning</b>
<b>PENNSYLVANIA, Western Cont'd</b>									
Lightning sparked a barn fire near Grapeville. A nearby house sustained heat damage to siding.									
<b>Westmoreland County</b> <b>Laughlontown</b>	<b>02</b>	<b>1900EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flood/Flash Flood</b>
Thunderstorms with torrential rains fell along the western slopes of the Laurel Ridge. An observer in Champion recorded nearly two inches of rain. Between 1800 and 1845 CST, 2.36 inches of rain was recorded at Laurel Mountain State Park with 1.18 inches during the last 15 minutes, producing significant runoff into and some flooding of the tributaries of the Loyalhanna Creek and significant rises to the upper reaches of the Loyalhanna Creek.									
<b>Allegheny County</b> <b>Braddock</b>	<b>02</b>	<b>1920EST</b>			<b>0</b>	<b>0</b>	<b>5M</b>	<b>0</b>	<b>Lightning</b>
Lightning struck a plant that made deodorizers. An ensuing fire consumed and destroyed the entire plant.									
<b>Allegheny County</b> <b>Countywide</b>	<b>02</b>	<b>1920EST- 2100EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Flash Flood</b>
Thunderstorms, moving slowly north, dropped heavy amounts of rain leading to flooding. The flooding was primarily concentrated in the eastern part of the county and Pittsburgh. The first report of flooding was in Penn Hills, where extensive street flooding was occurring at 1930 EST and garbage bags were reported floating down Frankstown Road. At 1942 EST, a person was trapped in a car by rapidly rising flood waters in Hazelwood Station. Between 2000 and 2040 EST, major street flooding was reported in the Greenfield and Squirrel Hill sections of Pittsburgh and in Monroeville. At 2040 EST flooding continued in Penn Hills along parts of Frankstown, Saltsburg, and Rodi Roads. An observer in Penn Hills reported a total of 3.2 inches of rain, with 2.1 inches from 1900-2000 EST.									
<b>Allegheny County</b> <b>Oakmont</b>	<b>02</b>	<b>1923EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Large tree limbs were downed by thunderstorm winds.									
<b>Allegheny County</b> <b>Pittsburgh</b>	<b>02</b>	<b>1940EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A few trees were downed in the Squirrel Hill section of Pittsburgh.									
<b>Allegheny County</b> <b>Pittsburgh</b>	<b>02</b>	<b>1955EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Fox Chapel</b>	<b>02</b>	<b>1955EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Several large trees were downed across the North Hills section of Pittsburgh and in Fox Chapel.									
<b>Allegheny County</b> <b>Pittsburgh</b>	<b>02</b>	<b>1955EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Lightning</b>
<b>Fox Chapel</b>	<b>02</b>	<b>1955EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Lightning</b>
Frequent lightning during a severe thunderstorm caused widespread power outages and transformer fires throughout the North Hills section of Pittsburgh and in Fox Chapel.									
<b>Butler County</b>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Ivywood</b>	<b>02</b>	<b>2015EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Butler</b>	<b>02</b>	<b>2030EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Glen Eden</b>	<b>02</b>	<b>2049EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A few trees were downed in Ivywood. Several trees and powerlines were downed in and near Butler. A few trees and power lines were downed in Glen Eden.									
<b>Fayette County</b>									
<b>Uniontown</b>	<b>04</b>	<b>1725EST-1845EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Flood/Flash Flood</b>
Torrential rains from nearly stationary thunderstorms caused flooding in the west-central part of the county, primarily in and near Uniontown. Between 1625 and 1725 EST an observer near Uniontown reported two inches of rain and ponding of water in fields. In Hopwood, less than two miles southeast of Uniontown, an observer reported a total of 2.15 inches at 1730 EST. By this time numerous streets in and near Uniontown were flooded. One street was covered with up to four feet of water and a motorist was stranded. Ponding of water resulted in a one car accident near Uniontown. The fire department in Uniontown pumped water from several basements and poor drainage areas. Some streets were closed. A mudslide was also reported near Uniontown that blocked a road. The flooding subsided by 1745 EST.									
<b>Venango County</b>									
<b>Countywide</b>	<b>11</b>	<b>1025EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Trees were downed throughout the county by thunderstorm winds.									
<b>Clarion County</b>									
<b>Fryburg</b>	<b>11</b>	<b>1030EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Thunderstorm winds downed a few trees in Fryburg.									
<b>Forest County</b>									
<b>West Hickory</b>	<b>11</b>	<b>1035EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A few trees were downed by thunderstorm winds.									
<b>Butler County</b>									
<b>Butler</b>	<b>11</b>	<b>1130EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Thunderstorm winds downed a tree onto a house causing minor roof and siding damage. Several large branches were also downed.									
<b>Allegheny County</b>									
<b>Natrona</b>									
<b>PENNSYLVANIA, Western Cont'd</b>									
<b>Heights</b>	<b>11</b>	<b>1155EST</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>Funnel Cloud</b>
A funnel cloud was reported by the public along Route 28 near Natrona Heights.									
<b>Butler County</b>									
<b>Butler</b>	<b>11</b>	<b>1205EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flood/Flash Flood</b>
Street flooding was reported in Butler. Over two inches of rain fell.									
<b>Allegheny County</b>									
<b>Sewickley</b>	<b>11</b>	<b>1225EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A few large trees were downed by thunderstorm winds.									
<b>Armstrong County</b>									
<b>Rural Valley</b>	<b>11</b>	<b>1225EST-130010EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Flood/Flash Flood</b>
Runoff from heavy thunderstorm rains caused a rock and mud slide along Route 85 near Rural Valley. Parts of the route were also closed due to high flood waters between Kittanning and Rural Valley when the Cowanshannock Creek went out of its banks.									
<b>Allegheny County</b>									
<b>Swissvale</b>	<b>11</b>	<b>1225EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
Two pilots reported a funnel cloud in near Swissvale.									
<b>Armstrong County</b>									
<b>Cochrans Mills</b>	<b>11</b>	<b>1235EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A tree and a few large limbs were downed by thunderstorm winds.									
<b>Allegheny County</b>									
<b>Countywide</b>	<b>11</b>	<b>1240EST-1500EST</b>			<b>0</b>	<b>0</b>	<b>200K</b>	<b>0</b>	<b>Flash Flood</b>
Heavy rains associated with severe thunderstorms led to widespread flash flooding across Allegheny County. Two inches of rain between 1200 and 1300 EST was recorded in Emsworth. A retaining wall was destroyed at one Emsworth residence and a garage that contained two autos and an office were also flooded. Some roads in Pittsburgh were under four feet of water. Route 65 near Bellevue and Avalon were closed due to flood waters. Kennedy Township was particularly hard hit. Clever Road and Pitchfork Lane in the Township were under six to 10 feet of water as Montour Run Creek went out of its banks. Two cars were trapped by the rapidly rising water. One driver had to be rescued by the fire department. A motel and parking lot in Kennedy Township was flooded with up to three feet of water. Water leaked through the Kennedy Township Police Station causing \$1K in damage to ceiling tiles. Flood waters also caused \$20K in damage to a water pumping station in the township. Extensive flooding also occurred in Ross Township, where witnesses said the water rose in seconds. Several businesses and cars were flooded along McKnight Road. Some of the cars were submerged to their roof tops. Firefighters helped about 10 people from their cars in a flooded intersection and 10 others from a flooded fast food restaurant. 2.25 inches of rain in a 20 minute period was reported in the area. In Carnegie, several major thoroughfares were closed due to flood waters. Chartiers Creek running parallel to Lexington Court, left its banks and flooded yards and some basements.									
<b>Westmoreland County</b>									
<b>Vandergrift</b>	<b>11</b>	<b>1244EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Greensburg</b>	<b>11</b>	<b>1300EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Depot Station</b>	<b>11</b>	<b>1305EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Margaret</b>	<b>11</b>	<b>1311EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Numerous trees and power lines were downed by thunderstorm winds in Vandergrift. Thunderstorm winds downed a tree onto									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
a mobile home in Greensburg, causing major damage. Several limbs were also downed in Greensburg. At Depot Station, a tree was downed across a power line and large branches were also downed. In Margaret, trees were downed across roads.									
<b>Beaver County Ambridge</b>	<b>11</b>	<b>1330EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	Power lines were downed by thunderstorm winds.								
<b>Washington County Countywide</b>	<b>11</b>	<b>1350EST- 1500EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Flood/Flash Flood</b>
	Flood waters and mud covered Route 88 south of Charleroi and 10 businesses' basements were flooded in downtown Charleroi, including the basement of a bank. MapleCreek went out of its banks and flooded a nearby road in Charleroi. In Canonsburg, three children, ages 10, 11, and 14, were swept nearly 100 yards downstream by fast rising-waters in Brush Creek Run. They were pulled to safety by police and firefighters.								
<b>Washington County 5 S Charleroi</b>	<b>11</b>	<b>1350EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	Several trees were downed by thunderstorm winds.								
<b>Greene County Crucible</b>	<b>11</b>	<b>1355EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	Trees downed by thunderstorm winds in Crucible.								
<b>Washington County Allenport</b>	<b>11</b>	<b>1405EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	Several trees were downed by thunderstorm winds.								
<b>PENNSYLVANIA, Western Cont'd</b>									
<b>Fayette County Hopwood Connellsville</b>	<b>11</b>	<b>1407EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	<b>11</b>	<b>1408EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	A tree was downed on a house near Hopwood. A tree was downed along a road near Connellsville.								
<b>Fayette County Ohiopyle</b>	<b>12</b>	<b>1840EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	Thunderstorm winds downed trees in Ohiopyle State Park.								
<b>Mercer County Greenville Fredonia</b>	<b>13</b>	<b>2043EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	<b>13</b>	<b>2105EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	Trees downed by thunderstorm winds.								
<b>Armstrong County Logansport</b>	<b>13</b>	<b>2120EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	Trees downed by thunderstorm winds.								
<b>Venango County Utica</b>	<b>13</b>	<b>2125EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
	A funnel cloud was reported by the public near Utica.								
<b>Indiana County Homer City</b>	<b>13</b>	<b>2130EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	Trees downed by thunderstorm winds near Homer City.								
<b>Venango County Cooperstown</b>	<b>13</b>	<b>2135EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
	A funnel cloud was reported by the public near Cooperstown.								
<b>Mercer County Mercer West Middlesex</b>	<b>13</b>	<b>2140EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	<b>13</b>	<b>2151EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	Thunderstorm winds downed a few trees near Mercer and a tree and large branches in West Middlesex.								
<b>Beaver County Hookstown</b>	<b>13</b>	<b>2215EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
	A Skywarn observer spotted a funnel cloud near Hookstown.								
<b>Mercer County Sharon</b>	<b>15</b>	<b>1830EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flood/Flash Flood</b>
	Street flooding was reported in Sharon.								
<b>Venango County Wallaceville</b>	<b>15</b>	<b>1830EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flood/Flash Flood</b>
	Flooding along Route 428, near Wallaceville, occurred when a small stream went out of its banks.								
<b>Beaver County 2 NE Freedom</b>	<b>31</b>	<b>2015EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	Thunderstorm winds downed large limbs and caused damage to the roof and siding of a house.								
<b>RHODE ISLAND</b>									
<b>Providence County Burrillville</b>	<b>04</b>	<b>1625EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Providence County N. Smithfield Providence County</b>	<b>04</b>	<b>1642EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
Providence Providence County	04	1650EST			0	0	?	0	Thunderstorm Winds
Johnston, Greenville	04	1700EST			0	0	?	0	Thunderstorm Winds
Kent County Warwick	04	1727EST			0	0	0	0	Hail (0.75)
Bristol County Bristol	04	1739EST			0	0	0	0	Thunderstorm Winds
Kent County Warwick	04	1745EST			0	0	0	0	Thunderstorm Winds
Providence County Providence	04	1745EST			0	0	?	0	Lightning
Washington County South Kingstown	04	1755EST			0	0	0	0	Hail (0.75)
Washington County Galilee	04	1808EST			0	0	0	0	Funnel Cloud
Washington County Hopkinton	04	1809EST			0	0	?	0	Thunderstorm Winds

Severe thunderstorms moved across parts of Rhode Island bringing gusty winds and small to dime-size hail as well as briefly heavy rain. Trees were reported blown down in Burrillville, North Smithfield, Providence, Barrington, Warwick, and Hopkinton. Numerous trees were reported down near Ashaway in Hopkinton, and five roads were blocked. Wind gusts of

## RHODE ISLAND Cont'd

40 to 50 mph were reported in Newport, and a funnel cloud was observed over the coastal waters near Galilee. Almost an inch of rain fell in 15 minutes in Johnston. Lightning struck a fraternity house at the University of Rhode Island in Providence resulting in a three-alarm fire. Up to 21,000 electric customers lost power statewide.

RIZ006-007

15-1800EST-1800EST  
21  
1  
0  
0  
0  
High Waves  
Hurricane Felix passed near Bermuda on a northwest track which approached the North Carolina coast before turning northeast from a hundred miles east of Cape Hatteras. The hurricane then passed well to the southeast of Cape Cod. Large ocean swells generated by the slow moving hurricane resulted in heavy surf and rip tides along the coast with an exposure to the open ocean. Dangerous conditions which began on Tuesday lasted through the following weekend. Officials closed many beaches to the public at various times for almost a week, as waves from six to ten feet high crashed ashore. A boater drowned in the Sakonnet River in Middletown when his boat flipped in the large swells. M44BO

## SOUTH CAROLINA, North Coastal

Florence County 10 W Florence	18	1615EST			?	?	?	?	Hail (1.00)
Horry County Myrtle Beach	24	0830EST			?	?	?	?	Urban Flood

Heavy rains caused road closures.

Georgetown County  
Pawleys Island  
Sampit  
Litchfield Beach  
North Island  
Georgetown

27	1755EST-2200EST			?	?	?	?	?	Heavy Rain
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Several roads were closed in and around these communities due to flooding.

## SOUTH CAROLINA, South Coastal

Charleston County Charleston	28	1330EST-1530EST			0	0	5K	0	Flash Flood
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Water covered several streets. Streets were impassable.

## SOUTH CAROLINA, Central

Beaufort County Central	3	0800EST			0	0	10K	0	Thunderstorm Winds
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Aluminum on a double wide mobile home was bent and twisted, trees and limbs blown down, and power was knocked out to about 1,000 residences.

McCormick County  
McCormick

7	PM			0	0	25K	0	0	Lightning
---	----	--	--	---	---	-----	---	---	-----------

Lightning damaged the county's communication system.

Pickens County  
Easley  
SCZ34,46,50,49,  
48,47  
Coastal Counties

11	1515EST			0	0	15K	0	0	Thunderstorm Winds Hail(1.00)
14-17				0	0	0	0	0	Beach Erosion, Coastal Flood

Minor coastal flooding and beach erosion associated with Hurricane Felix as it moved just off the Atlantic Coast.

Kershaw County  
Camden

15	1800EST			0	0	10K	0	0	Lightning
----	---------	--	--	---	---	-----	---	---	-----------

Lightning damaged the Revolutionarrowy War Park's Craven House.

Bamberg County  
Bamberg

15	2011EST			0	0	?	0	0	Thunderstorm Winds
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Trees and power lines down.

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>Bamberg County</b> <b>Candy</b> <b>Bunch River Camp</b>	<b>15</b>	<b>2100EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b> Lightning-caused fire destroyed a building at the Candy Bunch River Camp.
<b>Greenville County</b> <b>Greer</b>	<b>16</b>	<b>PM</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heat</b> A 72-year-old woman who lives alone was found dead from hyperthermia in home where inside temperature estimated to be 120F. F72P
<b>Greenville County</b> <b>Greenville</b>	<b>16</b>	<b>PM</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heat</b> A 73-year-old man was found dead from hyperthermia in his non-air conditioned mobile home. M73M
<b>Berkeley County</b> <b>Goose Creek</b>	<b>18</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>SOUTH CAROLINA, Central Cont'd</b>									
<b>Newberry County</b> <b>Newberry</b>	<b>18</b>	<b>1838EST</b>			<b>0</b>	<b>0</b>	<b>65K</b>	<b>0</b>	<b>Lightning</b> A lightning-set fire consumed a home.
<b>Orangeburg County</b> <b>5 SW Orangeburg</b>	<b>18</b>	<b>1945EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b> Trees down, damage to sheds, silo.
<b>York, Sharon</b>	<b>18</b>	<b>2115EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b> Several trees blown down.
<b>Beaufort County</b> <b>Paris Island</b>	<b>23</b>	<b>0610EST</b>			<b>1</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>Lightning</b> The First Recruit Training Battalion had been ordered to seek shelter and were walking in platoon formation toward a covered area when lightning struck. One was killed and six were injured.
<b>SCZ001-SCZ051,</b> <b>Statewide</b>	<b>24</b> <b>28</b>	<b>0000EST-</b> <b>2359EST</b>			<b>?</b>	<b>?</b>	<b>10M</b>	<b>100K</b>	<b>Tropical Storm</b> The remnants of Tropical Storm Jerry moved slowly eastward across the State and produced unusually heavy rains statewide with amounts mostly varying from eight to more than 12 inches in some locations. The heavy rain produced flash flooding in flash flood prone areas, general flooding on many rivers, broke dams, flooded streets, some homes and low-lying farmland. Statewide damage to roads and bridges was estimated by the S.C. Dept. of Transportation to be \$4.5 million. The heavy rains ended near drought conditions in some areas and helped some crops. Many crops, including soybeans and cotton suffered damage. There was coastal flooding at times of high tide along South Carolina beaches. The damage over the south coastal counties will likely approach \$2 million.
<b>Beaufort County Srn</b> <b>Colleton County</b> <b>Charleston County</b> <b>Jasper County</b>	<b>24</b>	<b>1045EST-</b> <b>1400EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flash Flood</b> Bands of heavy rain from remnants of Tropical Storm Jerry had already dumped three to five inches of rain overnight. Each time an additional band moved across, flash flooding developed in various areas. Roads would become flooded, sometimes impassable.
<b>Newberry County</b>	<b>26-</b> <b>27</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood, Flash Flood</b> Saluda River and other streams were said to be the highest in many years.
<b>York County</b>	<b>26-</b> <b>27</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood, Flash Flood</b> Unusually heavy rains caused significant flash flooding followed by flooding of larger streams.
<b>Lancaster County</b>	<b>26-</b> <b>27</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flash Flood, Flood</b> In Lancaster County, Sugar Creek, McAlpine Creek and Six Mile Creek in Indian Land flooded bridges and several homes.
<b>Orangeburg County</b>	<b>26-</b> <b>27</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flash Flood, Flood</b> In Orangeburg County the North Edisto was said to have crested at the highest level in many years. There were four significant dam breaks and several minor breaks, 20 homes were flooded, and 20 to 30 roads washed out.
<b>Bamberg County</b>	<b>26-</b> <b>27</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flash Flood, Flood</b> Downstate heavy rains washed out bridges in Bamberg County. Losses included \$125 thousand damage to roads, \$30 thousand to homes and \$5 thousand to businesses.
<b>Beaufort County</b>	<b>26-</b> <b>27</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flash Flood, Flood</b> Flooding from heavy rains disrupted traffic on Hilton Head Island and St Helena Island, covered some roads and bridges and flooded some homes.
<b>Georgetown County</b>	<b>26-</b> <b>28</b>				<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flash Flood, Flood</b> Runoff from extremely heavy rains flooded many homes and forced officials to close schools.
<b>Allendale County</b> <b>Jasper County</b>									



# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Beaufort County Colleton County Hampton County</b>	26	0100EST 0430EST			0	0	?	?	<b>Flash Flood</b> Slow moving bands of heavy rain from remnants of Tropical Storm Jerry caused flash flooding across roads and highways. Water washed several trees down and several inches of standing water in homes in Beaufort.
<b>Hampton County Scotia</b>	26	0222EST			0	0	100K	0	<b>Lightning</b> Lightning-set fire destroyed a home.
<b>SOUTH CAROLINA, Central Cont'd</b>									
<b>Allendale County Jasper County Colleton County Hampton County</b>	26	0500EST- 0800EST			0	0	?	?	<b>Flash Flood</b> Heavy showers and thunderstorms moved across the area causing additional flooding of roads, areas with poor drainage, filled lagoons and washed out dirt roads. A couple of inches of standing water in a few homes.
<b>Allendale County Colleton County Jasper County Hampton</b>	26	0830EST- 1030EST			0	0	?	?	<b>Flood</b> Already saturated grounds produced flash flooding in some areas and flooding in areas where flash flooding had occurred earlier. Water was several inches to more than a foot deep in some yards.
<b>Allendale County Hampton Counties</b>	26	1250EST			0	0	?	?	<b>Flash Flood, Flood</b> Large area of heavy showers and thunderstorms moved from southeastern Georgia into Hampton and Allendale Counties causing more roads to be washed out and to become impassable.
<b>Jasper County</b>	26	1430EST			0	0	?	?	<b>Flood</b> An area of showers and thunderstorms moved from coastal Georgia into Jasper County causing more streams and areas with poor drainage to overflow roads and highways. Water was one to two feet deep in yards. Fourteen homes suffered minor damage and fifteen had minor damage.
<b>Berkley County Northern Half</b>	26	1540EST- 1730EST			0	0	?	?	<b>Flash Flood</b> One to two feet of water covered roads at times as heavy thunderstorms moved through. Near one-half foot of water settled in yards from these same storms.
<b>Beaufort County Hunting Island</b>	26- 27				0	0	?	?	<b>Beach Erosion</b> Considerable beach erosion occurred along Hunting Island coastline.
<b>Abbeville County Abbeville &amp; Calhoun Falls areas</b>	26	1650EST			0	0	1M	?	<b>Flood/Flash</b>
<b>Anderson County Anderson</b>	26	1745EST			0	0	?	?	<b>Flood</b>
<b>Greenwood, Green- wood Area</b>	26	1800EST			0	0	?	?	<b>Flood</b>
<b>Greenville County Eastside Greenville</b>	26	2030EST			0	0	?	?	<b>Flood</b> The above events were the first, mostly duration type flooding, associated with the heavy rainfall from the remnants of Tropical Storm Jerry across Upstate, SC. Heavy rain fell throughout the day resulting in gradual rises on small streams in the area. Some bridges and roads were flooded and cars were trapped for awhile in Abbeville and Greenwood.
<b>Sumter County Pinewood</b>	26	2015EST			0	0	?	?	<b>Thunderstorm Winds</b> Thunderstorm winds blew down trees and caused other minor damage in eastern Sumter County near the Clarendon County line.
<b>Abbeville County</b>	25- 26				0	0	.9M	0	<b>Flash Flood, Flood</b> Abbeville County, approximately 11 inches fell within 48 hours, washing out bridges and closing some roads. Damages in Abbeville County estimated to be slightly less than one million dollars.
<b>Aiken County Windsor</b>	26	night			0	0	20K	0	<b>Thunderstorm Winds</b> One home deroofted, also car damaged by falling tree excess rainfall
<b>Greenwood County All Greenwood County Mauldin &amp; Simpsonville</b>	26	2100EST			0	0	25K	?	<b>Flood</b>
<b>Spartanburg County Greer and Cowpens</b>	26	2200EST			0	0	1.5M	?	<b>Flood</b>
<b>Spartanburg County West</b>	26	22125EST			0	0	0.5M	?	<b>Flood/Flash Flood</b>
<b>Spartanburg, Pelham and Reidville</b>	26	2230EST			0	?	1M	?	<b>Flash Flood</b>

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
Greenville County Greenville, Taylors, and Greer	26	2300EST			1	5	5M	?	Flash Flood
<b>SOUTH CAROLINA, Central Cont'd</b>									
Cherokee County Cowpens	26	2300EST			0	0	?	?	Flash Flood
Spartanburg County 5 S Greer to Woodruff	27	0100EST			1	3	1M	?	Flash Flood
Laurens County Fountain Inn, Gray Court, Laurens	27	0115EST			0	0	200K	?	Flash Flood
Greenville County 7 E Simpsonville, Pelham-Batesville	27	0300EST			0	0	2M	?	Flash Flood
Spartanburg County Woodruff, Enoree	27	0400EST			0	0	1M	?	Flash Flood
Laurens County 4 W Woodruff	27	0400EST			0	0	500K	?	Flash Flood
Pickens County Easley	27	0500EST			0	0	25K	?	Flood
<p>The above series of events describe the most intense flash flood period during the Jerry episode when as much as 10 to 12 inches of rain fell in a period of about eight hours. The rainfall bullseye was centered in the Pelham Community south of the Greer Airport where unofficial, but fairly reliable, storm totals of 20 inches fell. A relatively small convective complex became stalled just as duration flooding was beginning. Throughout much of eastside Greenville, Greer, Taylors, and westside Spartanburg storm totals of around 15 inches occurred.</p> <p>Damage estimates were still being collected at this writing and the dollar damage may not be accurate. A young man died in eastside Greenville while wading after his car stalled. He and three companions were sucked into a vortex and through a culvert. He was the last through and became lodged. A young woman died in the western part of Spartanburg County when a car was driven into the flood Abner Creek. The car sank quickly and three people managed to get out. The creek, which normally runs a foot or so deep, was estimated to be at least 20-feet deep at the time. Flooding along the Enoree River, Abner Creek Brushy Creek, Gilder Creek, and Horseman Creek in the eastern half of Greenville and the western side of Spartanburg County was the worst in the memory of all but the very oldest residents, and apparently compared with flooding associated with several tropical systems which affected the area shortly after the turn of the century. The Reedy River reached flood stage of eight feet late in the evening and reached 14 feet by early morning and then rose even higher. Countless bridges and roads were washed out and there were numerous rescues performed by swift water rescue teams of the Greenville and Spartanburg Sheriff departments and Emergency Medical Service units. A number of small dams broke. Numerous homes and businesses were flooded and there were many evacuations. M180, F20V</p>									
Greenville County Greenville	27	0600EST			0	0	500K	0	Flood
Anderson County West Pelzer South to Ware Shoals	27	1050EST			0	0	250K	?	Flood
Greenville County Pelzer, Piedmont, and Areas South along the Saluda River	27	1050EST			0	0	?	?	Flood
Spartanburg County Mayo, Crescent, Woodruff, Cowpens	27	1100EST			0	0	2M	?	Flood
Laurens County Northern	27	1100EST			0	0	2M	?	Flood
Cherokee County Gaffney	27	1400EST			1	0	25K	?	Flood
Union County 5 NW Union	27	1515EST			0	0	?	?	Flash Flood
Union County Various	27	1630EST			0	0	?	?	Flood
<p>Flooding continued as rivers and creeks rose. More bridges and roads were washed out including some major structures. At least six bridges were destroyed in Laurens County, the longest bridge destroyed was the Highway 418 Bridge across the Enoree River which fell late in the afternoon on the 27th. Several large dams were threatened on the Pacolet, the Saluda, and the Tyger River systems but held although there was some structural damage to the dams. A boy died in Gaffney when he fell off a skateboard into a flooded storm drain and became lodged in a culvert. More small dams broke including one in Union County where a wall of water rushed across a road, fortunately when there was no traffic. The Enoree River finally crested along the Union/Laurens County border late in the afternoon on the 28th. The Reedy River crested in Greenville at more than 16 feet which is the second highest stage recorded at that gauge. In Cherokee County at least 15 homes and several businesses were flooded with total dwelling damage of \$150 thousand. Union County was hard hit by the flooding with several bridges flooded and traffic disrupted. In McCormick County Little River overflowed, closing roads. M80</p>									
Charleston County Dorchester County	27	2030EST- 2230EST			0	0	?	?	Flash Flood
<p>Houses west of the Ashley River in Charleston County and houses Dorchester Manor off Ashley Phosphate Road had water on the first level. Water across roads made several almost impassable.</p>									

**SOUTH CAROLINA, Central Cont'd**

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>Florence County Darlington County</b>	27-30				0	0	?	?	<b>Flood</b>
					Considerable lowland flooding along Black Creek and Lynches River as both streams crested one to two feet above flood stage.				
<b>Charleston County Charleston</b>	28	1330EST-1530EST			0	0	?	?	<b>Flood</b>
					East Bay and Calhoun Streets were impassable. Water was across several streets.				
<b>Berkeley County Jamestown</b>	28-31				0	0	?	?	<b>Flood</b>
					The Santee River at Jamestown reached flood stage (10feet) on the afternoon of the 28th and remained above flood stage through the end of the month. The river had not crested by August 31 and was at 12.5 feet and was still rising. Residents had to use boats to get to and from their homes.				
<b>Colleton County Dorchester County</b>	30-31				0	0	?	?	<b>Flood</b>
					The Edisto River at Givhans Ferry reached flood stage (10feet) on August 30. On August 31, the river was at 11.5 feet and still rising slowly. Water was up to four feet in yards.				

## SOUTH DAKOTA, Central and Northern

<b>Hand County Miller</b>	02	2310CST			0	0	0	0	<b>Hail (0.75)</b>
<b>Dewey County 2 W Eagle Butte</b>	10	2345CST			0	0	?	?	<b>Hail (1.75)</b>
<b>Potter County Gettysburg</b>	11	0040CST			0	0	0	0	<b>Thunderstorm Winds (G56)</b>
<b>Edmunds County Loyalton</b>	11	0055CST			0	0	0	0	<b>Thunderstorm Winds (G52)</b>
<b>Brown County Frederick</b>	11	0100CST			0	0	?	0	<b>Lightning</b>
					Lightning damaged some electrical equipment on the water tower in Frederick.				
<b>Faulk County Norbeck</b>	11	0103CST			0	0	0	0	<b>Thunderstorm Winds (G52)</b>
<b>2 E Faulkton</b>	11	0105CST			0	0	0	0	<b>Thunderstorm Winds (G52)</b>
<b>3 E Cresbard</b>	11	0110CST			0	0	0	0	<b>Thunderstorm Winds (G52)</b>
<b>Edmunds County 7 E Loyalton</b>	11	0110CST			0	0	0	0	<b>Thunderstorm Winds (G52)</b>
<b>Spink County Redfield</b>	11	0130CST			0	0	?	0	<b>Thunderstorm Winds (G56)</b>
					High winds blew down an old farm building outside of Redfield.				
<b>Day County Webster</b>	11	0238CST			0	0	0	0	<b>Thunderstorm Winds (G52)</b>
<b>Corson County 5 W Morrystown</b>	12	1825CST			0	0	?	?	<b>Hail (1.00)</b>
<b>5 W Morrystown</b>	12	1825CST			0	0	0	0	<b>Thunderstorm Winds (G56)</b>
<b>1/2 E Morrystown</b>	12	1835CST			0	0	0	0	<b>Hail (0.75)</b>
<b>1/2 E Morrystown</b>	12	1835CST			0	0	0	0	<b>Thunderstorm Winds (G56)</b>
<b>Brown County 7 SW Frederick</b>	13	1640CST			0	0	0	0	<b>Hail (0.75)</b>
<b>Corson County 9 SE Morrystown</b>	17	1800CST			0	0	?	?	<b>Hail (2.75)</b>
<b>9 SE Morrystown</b>	17	1800CST			0	0	?	0	<b>Thunderstorm Winds (G70)</b>
					Large hail destroyed several acres of crops and high winds gusting to 80 mph downed several trees.				
<b>Corson County 10 SE Morrystown</b>	17	1830CST-2300CST			0	0	0	0	<b>Flash Flood</b>
					Very heavy rains of four to five inches caused several spillways to overflow and flood low-lying areas.				
<b>Corson County 5 S Watauga</b>	17	1845CST			0	0	0	?	<b>Hail (0.75)</b>
<b>5 S Watauga</b>	17	1845CST			0	0	0	0	<b>Thunderstorm Winds (G52)</b>
					Large hail caused extensive crop damage.				
<b>Corson County 6 S McIntosh</b>	17	1945CST			0	0	0	0	<b>Tornado (F0)</b>
					A brief touchdown of a narrow path tornado occurred six miles south of McIntosh or 47 miles northwest of Mobridge.				
<b>Buffalo County 4 SE Gann Valley</b>	18	0410CST			0	0	0	0	<b>Thunderstorm Winds (G56)</b>

## SOUTH DAKOTA, Central and Northern Cont'd

<b>Hand County 19 SSE Miller or 2 SE Spring Lake</b>	18	0950CST			0	0	?	0	<b>Thunderstorm Winds (G61)</b>
					High winds gusting to 70 mph blew the doors off both ends of a metal building with some siding also blown off.				
<b>Hughes County</b>									

# Storm Data and Unusual Weather Phenomena

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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>3 E Pierre</b>	27	1730CST-							
	27	1735CST			0	0	?	0	<b>Tornado (F1)</b>
A narrow path tornado touched down three miles east of Pierre. The tornado tore the roof off a horse barn, destroyed a camper, and injured two horses.									
<b>Hughes County</b>									
5 E Pierre	27	1730CST			0	0	0	0	<b>Hail (0.75)</b>
Pierre	27	1800CST			0	0	?	0	<b>Hail (1.00)</b>
<b>Stanley County</b>									
6 W Ft Pierre	27	1839CST			0	0	?	?	<b>Hail (2.75)</b>
<b>Sully County</b>									
24 W Onida	27	1930CST			0	0	0	0	<b>Hail (1.00)</b>
<b>Potter County</b>									
8 S Gettysburg	27	1955CST			0	0	0	0	<b>Hail (0.75)</b>
<b>Faulk County</b>									
6 S Seneca	27	2030CST			0	0	?	?	<b>Hail (1.75)</b>
<b>SOUTH DAKOTA, Southeast</b>									
<b>Beadle County</b>									
Huron	04	0100CST			0	0	0	0	<b>Hail (1.00)</b>
<b>Minneha County</b>									
SF	04	2200CST			0	0	0	0	<b>Hail (0.75)</b>
<b>Kingsbury County</b>									
Lake Preston	13	1115CST			0	0	5K	0	<b>Thunderstorm Winds (G50)</b>
Thunderstorm winds blew down a large tree on to a house, knocking a brick chimney onto a car. Minor tree damage, mainly downed branches, occurred elsewhere in the town.									
<b>Bon Homme County</b>									
Tyndall	18	1745CST			0	0	0	0	<b>Hail (0.88)</b>
<b>Union County</b>									
Beresford	18	1945CST			0	0	5K	0	<b>Thunderstorm Winds (G52)</b>
Thunderstorm winds blew down a construction crane and a few trees.									
<b>Charles Mix County</b>									
Lake Andes	21	2330CST			0	0	0	0	<b>Hail (0.75)</b>
<b>McCook County</b>									
4 E Bridgewater	28	1540CST			0	0	?	?	<b>Hail (0.75)</b>
7 E Bridgewater		1600CST			0	0	?	?	<b>Hail (1.00)</b>
<b>Yankton County</b>									
4 S Lesterville	28	1610CST			0	0	0	0	<b>Hail (0.75)</b>
Lesterville		1620CST			0	0	?	0	<b>Thunderstorm Winds (G52)</b>
<b>Lincoln County</b>									
4 S Canton	28	1652CST			0	0	?	?	<b>Hail (1.00)</b>
6 S- 7 S Canton		1655CST-							
Hudson		1730CST			0	0	.05M		<b>Thunderstorm Winds (G61)</b>
Thunderstorm winds uprooted numerous trees, caused structural damage to a house and barn, damaged small farm buildings and a garage, and caused widespread crop damage.									
<b>Union County</b>									
Beresford	28	1712CST			0	0		0	<b>Thunderstorm Winds (G56)</b>
<b>SOUTH DAKOTA, Western</b>									
<b>Meade County</b>									
Piedmont	02	1405CST			?	?	?	?	<b>Funnel Cloud</b>
<b>Shannon County</b>									
Porcupine	04	1500CST			?	?	?	?	<b>Hail (1.00-1.50)</b>
<b>Jackson County</b>									
2 NE Interior	04	1720CST			?	?	?	?	<b>Hail (0.75)</b>
<b>Meade County</b>									
Mayrine	02	1600CST			?	?	?	?	<b>Thunderstorm Winds</b>
Thunderstorm winds gusted to 70 mph, knocking over hay stacks and downing three to four-inch diameter trees limbs.									
<b>TENNESSEE, Eastern</b>									
<b>Polk County</b>									
Ducktown	01	1440EST			0	0	2K	0	<b>Thunderstorm Winds</b>
<b>TENNESSEE, Eastern Cont'd</b>									
Several trees knocked down.									
<b>Blount County</b>									
Alcoa	01	1442EST			0	0	1M	0	<b>Thunderstorm Winds (G86)</b>
A Thunderstorm downburst with a record wind gust to 86 mph occurred at Knoxville McGhee-Tyson (TYS) Airport damaging two national guard helicopters, airborne freight containers and an air freight depot. Heavy damage to trees, and a nearby trailer park also occurred.									
<b>Knox County</b>									
Knoxville	01	1501EST			0	0	5K	0	<b>Thunderstorm Winds</b>
A tractor-semitrailer was blown off the road and roof damage to several houses.									

# Storm Data and Unusual Weather Phenomena

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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>Polk County Benton</b>	<b>01</b>	<b>1540EST</b>			<b>0</b>	<b>0</b>	<b>1.0K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Several trees knocked down.						
<b>Hamilton County Chattanooga</b>	<b>01</b>	<b>1610EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Numerous trees and powerlines knocked down.						
<b>Loudon County Lenoir City</b>	<b>01</b>	<b>1615EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Numerous trees and powerlines down.						
<b>Roane County Kingston</b>	<b>01</b>	<b>1615EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Numerous trees and powerlines were downed.						
<b>Cocke County Countywide</b>	<b>01</b>	<b>1630EST- 1730EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Numerous trees were knocked down.						
<b>Hamblen County Morristown</b>	<b>01</b>	<b>1645EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			A few trees were knocked down.						
<b>Meigs County Pleasant Hill</b>	<b>01</b>	<b>1700EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Some trees were blown down.						
<b>Campbell County Vasper</b>	<b>01</b>	<b>1715EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Several trees were knocked down.						
<b>Hamblen County Morristown</b>	<b>01</b>	<b>1730EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Several trees knocked down.						
<b>Jefferson County New Market</b>	<b>01</b>	<b>1740EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Some trees were blown down.						
<b>Grainger County Buffalo Springs</b>	<b>01</b>	<b>1755EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Several trees and powerlines knocked down.						
<b>Hawkins County Lee Valley</b>	<b>01</b>	<b>1810EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds (G86)</b>
			Several trees knocked down.						
<b>Grainger County Blaine</b>	<b>01</b>	<b>1850EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Several trees knocked down.						
<b>Blount County Happy Valley Roane County Countywide</b>	<b>01</b>	<b>1850EST</b>			<b>0</b>	<b>0</b>	<b>0.1K</b>	<b>0</b>	<b>Hail (0.75)</b>
	<b>01</b>	<b>1800EST- 1900EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Numerous trees knocked down.						
<b>Union County North</b>	<b>01</b>	<b>1845EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Several trees knocked down.						
<b>Campbell County South</b>	<b>01</b>	<b>1830EST- 1900EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Several trees knocked down.						
<b>TENNESSEE, Eastern Cont'd</b>									
<b>Roane County West</b>	<b>06</b>	<b>1900EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Flash Flood</b>
			Several roads closed and businesses flooded.						
<b>Hamilton County Sale Creek</b>	<b>07</b>	<b>1500EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Several trees knocked down.						
<b>Sullivan County Kingsport Bloomingdale</b>	<b>11</b>	<b>1725EST- 1730EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Some trees were blown down.						
<b>Hawkins County Mt Carmel</b>	<b>11</b>	<b>1745EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
			Trees down onto a house and powerlines down.						

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>Scott County</b> Oneida	18	1700EST			0	0	10K	0	Thunderstorm Winds
Several powerlines down.									
<b>Washington County</b> Boones Creek Gray	19	1631EST-1705EST			0	0	10K	0	Flash Flood
Several homes flooded in Boones Creek Community and Gray.									
<b>Sullivan County</b> Bristol Kingsport	19	1655EST			0	0	1K	0	Flash Flooding
Numerous streets flooded in Bristol and Kingsport.									
<b>Greene County</b> Greeneville	19	1735EST			0	0	15K	0	Thunderstorm Winds
Several trees down and a roof blown off house on Snaps Ferry Road.									
<b>Hamblen County</b> West	19	1735EST			0	0	5K	0	Thunderstorm Winds
Several trees were blown down.									
<b>Hamblen County</b> Morristown	19	1830EST			0	0	5K	0	Thunderstorm Winds
Some trees were blown down.									
<b>Blount County</b> Maryville, Alcoa	19	1925EST			0	0	25.0K	0	Thunderstorm Winds Lightning
Several trees were blown down and several fires started due to lightning strikes.									
<b>Blount County</b> Friendsville	19	2045EST			0	0	10K	0	Thunderstorm Winds
Several trees were blown down on Miser Station Road.									
<b>Claiborne County</b> Tazewell	31	1445EST			0	0	5K	0	Thunderstorm Winds
Some trees were blown down.									
<b>TENNESSEE, Central</b>									
<b>Maury County</b> Countywide	04	1900CST			0	0	1.0K	0	Thunderstorm Winds
Highway Department reported trees down around county.									
<b>Stewart County</b> Ashbury	08	1020CST			0	0	1K	0	Thunderstorm Winds
Few trees down across power lines. Report by local electric company.									
<b>Benton County</b> Camden and Big Sandy	08	1050CST			0	0	0.1K	0	Thunderstorm Winds
A few trees down. Report by local power company.									
<b>Montgomery County</b> Clarksville	08	1110CST			0	0	0.1K	0	Thunderstorm Winds
A few trees were knocked down. Report by local power company.									
<b>Houston County</b> Erin	08	1120CST			0	0	0.1K	0	Thunderstorm Winds
Few trees and power lines down reported by local electric company.									
<b>Humphreys County</b> Waverly	08	1120CST			0	0	0.1K	0	Thunderstorm Winds
<b>TENNESSEE, Central Cont'd</b>									
Few trees and power lines down. Report by local law enforcement.									
<b>Dickson County</b> Dickson	08	1130CST			0	0	0.1K	0	Thunderstorm Winds
Power lines down by strong winds. Report by local electric company.									
<b>Decatur County</b> Jeanette	08	1137CST			0	0	0.1K	0	Thunderstorm Winds
Large tree down. Report by local law enforcement.									
<b>Williamson County</b> Nolensville	08	1200CST			0	0	0.1K	0	Thunderstorm Winds
Few trees down. Report by local law enforcement.									
<b>Williamson County</b> Nolensville	08	1200CST			0	0	0	0	Flash Flood
Flooding of several roads reported by local law enforcement.									
<b>Davidson County</b> Nashville	08	1240CST			0	0	0.1K	0	Thunderstorm Winds
Tennessee Highway Patrol reported a couple of trees down.									
<b>Maury County</b>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Columbia</b>	<b>08</b>	<b>1300CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A tree fell on house.									
<b>Wayne County Countywide</b>	<b>08</b>	<b>1300CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
Flooded roads scattered throughout county. Report by local law enforcement.									
<b>Lawrence County Lawrenceburg</b>	<b>08</b>	<b>1307CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
Flooding of many roads reported by local law enforcement.									
<b>Davidson County Nashville</b>	<b>08</b>	<b>1400CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
Flooding of a few roads reported by local law enforcement.									
<b>Marshall County Petersburg</b>	<b>08</b>	<b>1430CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
Roads were flooded. Report by local law enforcement.									
<b>Montgomery County Clarksville</b>	<b>09</b>	<b>1145CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
Flooding of Fort Campbell Boulevard reported by local law enforcement. Road temporarily closed due to high water.									
<b>Davidson County Nashville</b>	<b>18</b>	<b>1400CST- 1419CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Large tree blown down five miles west of Nashville. Telephone pole blown down near Whites Creek Pike.									
<b>Hickman County Near Hickman- Humphreys</b>	<b>18</b>	<b>1530CST</b>			<b>0</b>	<b>0</b>	<b>0.1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Trees and power lines down near Interstate 40.									
<b>Franklin County Huntland</b>	<b>19</b>	<b>1300CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Lightning</b>
Two houses struck by lightning and one sustained moderate damage as a series of thunderstorms moved through the area.									
<b>TENNESSEE, Western</b>									
<b>Madison County Southern</b>	<b>06</b>	<b>1435CST- 1615CST</b>		<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>		<b>Flash Flood</b>
One mobile home was flooded. Several roads were closed.									
<b>Hardeman County Northeast</b>	<b>06</b>	<b>1515CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Flash Flood</b>
A few roads were closed due to flooding.									
<b>Gibson County Bradford</b>	<b>06</b>	<b>1530CST- 1700CST</b>		<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>		<b>Flash Flood</b>
Water reached up to a few homes and businesses. Some roads were closed due to flash flooding.									
<b>Weakley County Sharon</b>	<b>08</b>	<b>1100CST</b>			<b>0</b>	<b>0</b>	<b>.05M</b>	<b>0</b>	<b>Lightning</b>
<b>TENNESSEE, Western Cont'd</b>									
A 100-year-old house was destroyed by a fire started by lightning.									
<b>Henderson County Southeast</b>	<b>08</b>	<b>1159CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Several trees were knocked down.									
<b>McNairy County Adamsville</b>	<b>08</b>	<b>1250CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Several trees and power lines were blown down.									
<b>Madison County Jackson</b>	<b>09</b>	<b>1500CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Lightning</b>
A large tree was struck down by lightning.									
<b>Lake County Phillippi</b>	<b>19</b>	<b>1545CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A few trees were knocked down.									
<b>Dyer County Roellen</b>	<b>19</b>	<b>1635CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Some trees were blown down.									
<b>Madison County Jackson</b>	<b>19</b>	<b>1710CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Several power lines were knocked down.									
<b>Gibson County Dyer</b>	<b>20</b>	<b>0435CST</b>			<b>0</b>	<b>0</b>	<b>.05M</b>	<b>0</b>	<b>Thunderstorm Winds</b>

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
A roof was blown off of a store. Several trees and power lines were blown down.									
<b>TEXAS, North Panhandle</b>									
Wheeler County	01	1400CST-1800CST			0	0	0	?	Flash Flood
Heavy rains in Wheeler County closed some secondary roads and eroded some fields.									
Zones 020 025 026	02	0800CST-1500CST			0	0	?	?	Flood
The remnants of Tropical Storm Dean produced six to 10 inches of rain over Collinsworth and Childress counties. Water reached ten feet deep at the Highway 83 underpass in Childress. A trucker had to be rescued by boat at this underpass. Highway 287 was closed from Childress southeast to Vernon. In Hall County several secondary roads were washed out.									
<b>TEXAS, South Panhandle</b>									
El Paso County 16 E El Paso	08	1723MST			0	27	125K	0	Thunderstorm W
A thunderstorm caused a microburst, which destroyed three mobile homes, damaged about 30 others, and overturned a tractor-semitrailer. Twenty-seven people were injured (seven were taken to the hospital, another 20 were just slightly injured). The high winds also damaged or destroyed several storage sheds.									
Yoakum County	15	0330CST-0830CST			0	0	0	?	Flash Flood
Early morning thunderstorms dumped three to five inches of rain and caused flooding, mainly in southern Yoakum County. Several roads in and near Denver City (where 3.50 inches fell) were closed due to flooding.									
<b>TEXAS, North Central</b>									
Wichita County Electra	01	2100CST			0	0	?	?	Flash Flood
Wilbarger County 4 SW Lockett	01	2115CST			0	0	?	?	Flash Flood
Thunderstorms resulted in flash flooding across western parts of north Texas. State Highway 25 was closed at China Creek near Electra in Wichita County, and in Wilbarger County the junction of U.S. 70 and FM 2073 was closed two miles southwest of Lockett.									
Hardeman County 2 E Chillicothe	02	0045CST			1	0	?	?	Flash Flood
Wilbarger County S Vernon	02	0240CST			0	0	?	?	Flash Flood
Wilbarger County Hardeman County Electra to Chillicothe/ Hardeman County E Quanah	02	0240CST			0	0	?	?	Flash Flood
	02	0800CST			0	0	?	?	Flash Flood
<b>TEXAS, North Central Cont'd</b>									
Foard County/ Wilbarger County E Crowell to S Vernon	02	0930CST			0	0	?	?	Flash Flood
Morning thunderstorms resulted in flash flooding across western sections of north Texas and one flash flood death. The death occurred in Hardeman County after a small car (containing two adults and two children) drove into a flooded portion of U.S. Highway 287 two miles east of Chillicothe. The car apparently stalled and the two adult occupants got out of the car and pushed it to the side of the road. By this time the water was about two feet deep. Large trucks continued driving rapidly through the high water and caused waves which pushed the car off the road and into a nearby ditch. Each adult pulled one child from the car. The adult carrying the two-year-old child lost his footing and the current swept the child from his arms and down the creek. The drowned child was found several hours later downstream. In Hardeman County Highway 287 was closed east of Quanah and from Chillicothe to Electra (in Wilbarger County). U.S. 283 was closed in Wilbarger County south of Vernon, and U.S. 70 was closed from Vernon to Crowell in Foard County due to flash flooding of the roadway. M2VE									
Wichita County 2 N Kadane Corner	03	1230CST			0	0	?	?	Flash Flood
Archer County 6 S Dundee	03	1230CST			0	0	?	?	Flash Flood
In Wichita County water covered SH 25 two miles north of Kadane Corner, and in Archer County water covered a county road six miles south of Dundee.									
Clay County Bellevue	19	1920CST			0	?	?	?	Thunderstorm Winds (G52)
Severe thunderstorm winds in Clay County reached 60 mph in Bellevue.									
<b>TEXAS, North</b>									
North Central Texas	01-03				?	?	?	?	Flash Flood
The remnants of Tropical Storm Dean became stationary across the western parts of North Central Texas producing widespread									



# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
									heavy rains and flash flooding.
<b>Robertson County Countywide</b>	<b>01</b>	<b>0001CST-0715CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Many roads were reported under water.
<b>3 NW Hearne</b>	<b>01</b>	<b>1405CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Flooding was reported on Highway 6.
<b>Milam County Countywide</b>	<b>01</b>	<b>0048CST-0315CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Highway 79, Farm-to-Market Road 1644 and Farm-to-Market Road 485 were covered with water.
<b>Falls County Countywide</b>	<b>01</b>	<b>0050CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Numerous county roads were under water.
<b>Marlin</b>	<b>01</b>	<b>1405CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Several streets were flooded.
<b>6 E Marlin</b>	<b>01</b>	<b>1530CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Water was one foot deep across Highway 7.
<b>Dallas County Dallas</b>	<b>01</b>	<b>0815CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									South Lamar Street was flooded with numerous intersections also reported flooded.
<b>Limestone County 6 W Mexia</b>	<b>01</b>	<b>1430CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Flash Flood</b>
									Roads and homes were flooded around Lake Mexia.
<b>Palo Pinto County Santo</b>	<b>01</b>	<b>1459CST-1647CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Flash Flood</b>
									Farm-to-Market Road 4 just north of Santo was closed due to high water. Water was reported in some homes in Santo.
<b>Countywide</b>	<b>01</b>	<b>1941CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Highway 281 south of Mineral Wells was flooded, and Farm-to-Market Road 45 south of Palo Pinto was closed due to high water.
<b>Hill County Hillsboro</b>	<b>01</b>	<b>1500CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Several roads were reported under water.
<b>Taylor County 9 W Buffalo Gap</b>	<b>01</b>	<b>1509CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
<b>TEXAS, North Cont'd</b>									
									Highway 277 west of Coronados Camp was barricaded due to high water.
<b>Abilene</b>	<b>01</b>	<b>1545CST-2045CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Flash Flood</b>
									Widespread street flooding occurred in Abilene with many streets closed. Catclaw Creek and Cedar Creek went out of their banks flooding a duplex and a mobile home park.
<b>Northwest Taylor County</b>	<b>01</b>	<b>1840CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Flooding was reported on Farm-to-Market Road 1085, and Noodle and Bitter Creeks were out of their banks.
<b>Merkel</b>	<b>01</b>	<b>1840CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Flash Flood</b>
									County road 304 east of Merkel was washed out.
<b>Abilene</b>	<b>01</b>	<b>1840CST-2140CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Farm-to-Market Road 89 at Highway 277 was impassable.
<b>Abilene</b>	<b>01</b>	<b>2250CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Numerous roads were flooded and closed due to high water.
<b>Coryell County Gatesville</b>	<b>01</b>	<b>1805CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Numerous streets were reported under water.
<b>Bosque County Clifton</b>	<b>01</b>	<b>1947CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Highway 219 between Clifton and Cranfills Gap was flooded.
<b>Callahan County Clyde</b>	<b>01</b>	<b>2210CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Extensive flooding was reported in Clyde.
<b>Southwest Callahan County</b>	<b>01</b>	<b>2210CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Water was over portions of Highway 36.
<b>Taylor County Abilene</b>	<b>02</b>	<b>0215CST-0635CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
Cedar Creek went out of its banks and caused nearby roads to flood. There was also widespread street flooding across Abilene.									
<b>Northeast Taylor County</b>	<b>02</b>	<b>0640CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Farm-to-Market Road 3308 at Westlake Road was under five feet of water.
<b>Callahan County Clyde</b>	<b>02</b>	<b>0215CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Farm-to-Market Road 604 north of Clyde was closed due to high water.
<b>Clyde</b>	<b>02</b>	<b>0410CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Street flooding was reported in Clyde.
<b>Somervell County Countywide</b>	<b>02</b>	<b>0705CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Widespread flooding was reported across the county.
<b>Countywide</b>	<b>02</b>	<b>1530CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Farm-to-Market Road 1014 was flooded.
<b>Countywide</b>	<b>02</b>	<b>1903CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Farm-to-Market Road 200 was under water.
<b>Parker County 10 NE Weatherford</b>	<b>02</b>	<b>0740CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Flooding was reported between Azle and Weatherford Lake.
<b>Countywide</b>	<b>02</b>	<b>1026CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									A low water crossing was reported flooded along with several roads.
<b>Bosque County Countywide</b>	<b>02</b>	<b>0814CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Numerous county and farm-to-market roads were closed by high water.
<b>Countywide</b>	<b>02</b>	<b>0941CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Numerous county and farm-to-market roads were closed by high water.
<b>Johnson County Burleson</b>	<b>02</b>	<b>0816CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									One foot of water was over Northwest 28th Street with numerous other streets also reported flooded.
<b>TEXAS, North Cont'd</b>									
<b>Tarrant County Fort Worth</b>	<b>02</b>	<b>0843CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Roads were closed in southwest Fort Worth due to high water. A creek in Edgecliff Village was out of its banks and over roads.
<b>Hood County Countywide</b>	<b>02</b>	<b>1432CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Widespread street flooding was reported with some streets impassable.
<b>Countywide</b>	<b>02</b>	<b>1537CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Widespread street flooding was reported with some streets impassable.
<b>Countywide</b>	<b>02</b>	<b>1635CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Many roads were reported flooded across the county.
<b>Erath County 8 S Stephenville</b>	<b>02</b>	<b>1855CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Farm-to-Market Road 914 was flooded.
<b>Throckmorton County Elbert</b>	<b>03</b>	<b>2048CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Highway 79 between Elbert and Throckmorton was closed by high water.
<b>Taylor County Buffalo Gap</b>	<b>04</b>	<b>0615CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Elm Creek came out of its banks and flooded a road.
<b>Southwest Taylor County</b>	<b>04</b>	<b>0810CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Four to five feet of water were over the low water crossings on Farm-to-Market Road 89 near Lake Abilene. Campers were stranded in Lake Abilene State Park by high water. Numerous county and ranch roads were closed by high water.
<b>Buffalo Gap</b>	<b>04</b>	<b>1535CST-2230CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Farm-to-Market Road 1235 north of Buffalo Gap was closed by high water. Numerous other roads were also reported flooded.
<b>Buffalo Gap</b>	<b>04</b>	<b>2020CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Farm-to-Market Road 89 at Belle Plains Cutoff was flooded.
<b>Stephens County Breckenridge</b>	<b>04</b>	<b>1440CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Street flooding was reported in Breckenridge.
<b>Comanche County DeLeon</b>	<b>04</b>	<b>1605CST-1715CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Highway 16 north of DeLeon was flooded, and was closed at 1715CST.
<b>Taylor County</b>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Abilene</b>	<b>05 06</b>	<b>0100CST- 0530CST</b>			<b>0</b>	<b>0</b>	<b>100K</b>	<b>0</b>	<b>Flood</b>
									Lake Abilene reached four feet above flood stage at Elm Creek and Farm-to-Market Road 707, the highest level since the Columbus Day flooding of 1981. The subsequent flooding along Elm Creek in Abilene lasted until 0530 CST on August 6th with flood damage to 20 homes, 15 businesses, and many streets were closed a lengthy time.
<b>Johnson County</b>	<b>19</b>	<b>1630CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds (G61)</b>
<b>Alvarado</b>									A barn was blown down by high winds.
<b>Venus</b>	<b>19</b>	<b>1700CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees were blown down by high winds.
<b>Parker County</b>	<b>19</b>	<b>1715CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>10 SE Weatherford</b>	<b>19</b>	<b>1740CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G69)</b>
<b>3 S Weatherford</b>									Wind gusts to 80 mph were reported.
<b>Tarrant County</b>	<b>19</b>	<b>1744CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G61)</b>
<b>Benbrook</b>	<b>19</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<b>Fort Worth</b>									High winds damaged the roof of a business in east Fort Worth.
<b>Wise County</b>	<b>19</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>	<b>80K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>10 W Bridgeport</b>									An apparent microburst destroyed one home, damaged two others, and blew down trees and power lines.
<b>8 W Bridgeport</b>	<b>19</b>	<b>1845CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
									A lightning strike set oil tank batteries on fire.
<b>Montague County</b>	<b>19</b>	<b>1900CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Bowie</b>									
<b>TEXAS, North Cont'd</b>									
									Trees and power lines were blown down by high winds, causing widespread power outages. Some windows were broken in businesses and tin roofs were blown off outbuildings.
<b>Cass County</b>	<b>20</b>	<b>1300CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Linden</b>									Several trees were blown down by high winds, one of which damaged a carport.
<b>Lamar County</b>	<b>20</b>	<b>1515CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Paris</b>									Parts of buildings were blown away, and trees and power lines were blown down.
<b>Paris</b>	<b>20</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Widespread wind damage occurred on the east side of town including blown down trees and power lines, and roof damage to a few homes.
<b>Franklin County</b>	<b>20</b>	<b>1540CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>1 W Mount Vernon</b>									Power lines were blown down by high winds.
<b>Gregg County</b>	<b>20</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Kilgore</b>									Numerous reports were received of trees and power lines being blown down leaving over 1,000 people without electricity.
<b>Ellis County</b>	<b>20</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>2 N Midlothian</b>									Trees were blown down by high winds.
<b>Dallas County</b>	<b>20</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>	<b>50K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>De Soto</b>									A 50 feet by 50 feet section of the roof of a Winn Dixie store was blown off by high winds.
<b>Irving</b>	<b>20</b>	<b>1620CST</b>			<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
									Four people took shelter from a thunderstorm under a tree and they were all struck by lightning. One man was killed and the others were injured. M25UT
<b>Grand Prairie</b>	<b>20</b>	<b>1635CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<b>Grand Prairie</b>	<b>20</b>	<b>1818CST</b>			<b>0</b>	<b>0</b>	<b>500K</b>	<b>0</b>	<b>Lightning</b>
									Lightning struck an electric substation causing a fire and damaging electrical equipment.
<b>Smith County</b>	<b>20</b>	<b>1625CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Tyler</b>									Trees were blown down by high winds.
<b>Tyler</b>	<b>20</b>	<b>1635CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Power lines were blown down by high winds.
<b>Hopkins County</b>	<b>20</b>	<b>1625CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Sulphur Springs</b>									Trees were blown down by high winds.
<b>Sulphur Springs</b>	<b>20</b>	<b>1700CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees were blown down by high winds.
<b>Tarrant County</b>	<b>20</b>	<b>1635CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G61)</b>
<b>Arlington</b>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
Trees up to eight inches in diameter were blown down by high winds in north Arlington. Wind gusts were estimated up to 70 mph.									
<b>Arlington</b>	<b>20</b>	<b>1703CST</b>			<b>0</b>	<b>4</b>	<b>20K</b>	<b>0</b>	<b>Thunderstorm Winds (G61)</b>
There were numerous reports of trees, power lines and signs blown down. High winds broke the windows of a local theatre with four people injured by flying glass.									
<b>Wood County</b>	<b>20</b>	<b>1655CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Mineola</b>	Trees were blown down by high winds.								
<b>Cherokee County</b>	<b>20</b>	<b>1710CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Mixon</b>	Trees and power lines were blown down by high winds.								
<b>Johnson County</b>	<b>20</b>	<b>1730CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Cleburne</b>	High winds damaged several mobile homes and at least one sustained major damage.								
<b>Joshua</b>	<b>20</b>	<b>1738CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Denton County</b>	<b>20</b>	<b>1745CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>3 N Lewisville</b>	Two homes were damaged by high winds on the east shore of the Lake.								
<b>3 N Lewisville</b>	<b>20</b>	<b>1755CST</b>			<b>0</b>	<b>0</b>	<b>400K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A microburst destroyed the Pier 21 Marina, damaged 40 boats and sunk four others.									
<b>TEXAS, North Cont'd</b>									
<b>Collin County</b>	<b>20</b>	<b>1745CST</b>			<b>0</b>	<b>0</b>	<b>75K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Melissa</b>	Three homes were damaged and power lines were blown down by high winds.								
<b>5 NE McKinney</b>	<b>20</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>	<b>100K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
A nursery was destroyed and homes were damaged by high winds. Highway 75 was closed due to downed power lines.									
<b>Lamar County</b>	<b>22</b>	<b>1830CST</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Excessive Heat</b>
<b>Paris</b>	An elderly man was found dead in his home, he apparently died from heat exhaustion. There was no air conditioning in the home and temperatures had broken the 100 degree mark several days running. M52PH								
<b>Henderson County</b>	<b>23</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Athens</b>	Large tree branches were blown down by high winds.								
<b>Taylor County</b>	<b>26</b>	<b>1454CST</b>			<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<b>Abilene</b>	A man was injured by a lightning strike.								
<b>Henderson County</b>	<b>28</b>	<b>1550CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Athens</b>	Trees and power lines were blown down by high winds. A home and a church sustained roof damage due to fallen trees.								
<b>Nacogdoches County</b>	<b>28</b>	<b>1745CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>2 E Nacogdoches</b>	High winds blew down numerous trees and power lines and also blew the roof off a barn.								
<b>15 E Nacogdoches</b>	<b>28</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
Large pine trees were snapped in half, and some fell onto power lines.									
<b>Hood County</b>	<b>29</b>	<b>1435CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<b>Cresson</b>	<b>29</b>	<b>1435CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<b>Johnson County</b>	<b>29</b>	<b>1435CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G52)</b>
<b>6 NW Godley</b>	<b>29</b>	<b>1510CST</b>			<b>1</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<b>Kaufman County</b>	Sixteen people were struck and injured by lightning at the high school football field. One player later died in the hospital. M16OU								
<b>Forney</b>	<b>29</b>	<b>1520CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Ellis County</b>	High winds blew down large tree limbs.								
<b>Waxahachie</b>	<b>30</b>	<b>1435CST</b>			<b>0</b>	<b>0</b>	<b>8K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Hunt County</b>	High winds blew a tree onto a mobile home and other trees onto power lines.								
<b>Lake Towakoni</b>	<b>30</b>	<b>1510CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
High winds blew down several trees.									
<b>Van Zandt County</b>	<b>30</b>	<b>1525CST</b>			<b>0</b>	<b>0</b>	<b>4K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Wills Point</b>	A mobile home was unroofed by high winds.								
<b>Kaufman County</b>	<b>30</b>	<b>1608CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G59)</b>
<b>Mabank</b>	<b>30</b>	<b>1630CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Lightning</b>
<b>Denton County</b>	A lightning strike hit a barn and caused a fire that burnt it to the ground.								
<b>Krum</b>	<b>30</b>	<b>1608CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G59)</b>
<b>Justin</b>	<b>30</b>	<b>1630CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Lightning</b>
<b>Robertson County</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>Calvert</b>	<b>30</b>	<b>1740CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Power lines were blown down by high winds.
<b>McLennan County Waco</b>	<b>30</b>	<b>1803CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A sign was blown down by high winds.
<b>Bellmead Bell County 4 S Killeen</b>	<b>30</b>	<b>1820CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
	<b>30</b>	<b>1852CST</b>			<b>0</b>	<b>0</b>	<b>150K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									High winds destroyed a home under-construction and blew down trees and power lines.
<b>Gregg County Longview</b>	<b>31</b>	<b>1530CST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A carport was lifted off its concrete foundation and several windows were blown out of a house.
<b>TEXAS, Central Southeast</b>									
<b>Fort Bend County</b>	<b>18</b>	<b>1350CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Spotter reported trees and powerlines down Highway 36 & FM 355.
<b>Houston County Grapeland</b>	<b>19</b>	<b>1745CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Trinity County Pennington</b>	<b>19</b>	<b>1835CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>Pennington</b>	<b>19</b>	<b>1835CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees and power lines blown down.
<b>San Jacinto County</b>	<b>21</b>	<b>1828CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees blown down in Southwood Shores Subdivision on south side of Lake Livingston.
	<b>21</b>	<b>1840CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Power lines blown down on Highway 2025.
<b>Liberty County</b>	<b>21</b>	<b>1840CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Power lines blown down on HWY 105.
<b>Montgomery County</b>	<b>21</b>	<b>1840CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Power lines blown down on 218Q of key map.
<b>Walker County</b>	<b>21</b>	<b>1840CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees down two miles west of New Waverly.
<b>Harris County</b>	<b>21</b>	<b>1915CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Power lines and trees blown down on east side of Lake Houston.
<b>Galveston County High Island</b>	<b>21</b>	<b>2105CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G90)</b>
									Tugboat operator clocked 100 mph wind gusts.
<b>Galveston</b>	<b>21</b>	<b>2201CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds (G50)</b>
									Sholes Field clocked 58 mph wind gusts.
<b>Galveston</b>	<b>21</b>	<b>2210CST</b>			<b>0</b>	<b>0</b>	<b>30K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Ford Bronco blown into canal at Bayou Vista. Road signs blown down along Bolivar Peninsula.
<b>Brazos County</b>	<b>21</b>	<b>2215CST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Power lines blown down in the northern portions of the county.
<b>Burleson County</b>	<b>21</b>	<b>2230CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Power lines blown down along County Road 217.
<b>Houston County Lovelady</b>	<b>30</b>	<b>1521CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees blown down along FM 1280.
<b>Polk County Corrigan</b>	<b>30</b>	<b>1450CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
<b>TEXAS, South Central</b>									
<b>Nueces County Robstown</b>	<b>01</b>	<b>1555CDT</b>	<b>small</b>	<b>narrow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b>
									A tornado was reported to have overturned a single-wide mobile home just to the northwest of Robstown.
<b>Williamson County Countywide</b>	<b>01</b>	<b>1930CDT</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
									Widespread three to four inch rainfall reported with isolated totals of up to five inches in the Round Rock area. Over a dozen roads were closed for at least an hour in the city of Round Rock.
<b>Brooks County Cameron County Hidalgo County Kenedy County Willacy County</b>	<b>09- 12</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heavy Rain</b>
									Widespread rain amounts of four to six inches from fringes of Tropical Storm Gabrielle. The area had been in a significant

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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	
drought, so most soaked in. Only minor street flooding occurred. While rain was generally considered beneficial, there was some damage to unharvested cotton.									
<b>Bastrop County Smithville</b>	21	1530CDT			0	0	15K	0	<b>Thunderstorm Wind</b>
									Damage was reported to roofs with some tree limbs downed as a brief gust struck the city. One roof was lifted and dropped on several cars. The storm also knocked down power lines for several blocks.
<b>Bexar County North Portion</b>	21	1800CDT			0	0	10K	0	<b>Thunderstorm Winds</b>
									Severe winds knocked over trees in the north part of Bexar County.
<b>TEXAS, South Central Cont'd</b>									
<b>Newton County 15 S Newton</b>	21	2040CDT			0	0	?	?	<b>Thunderstorm Winds</b>
									Trees blown down 15 miles south of Newton.
<b>Hardin County Silsbee</b>	21	2120CDT			0	0	?	?	<b>Thunderstorm Winds</b>
									Numerous power lines blown down.
<b>Orange County Vidor</b>	21	2125CDT			0	0	?	?	<b>Thunderstorm Winds</b>
									Several trees blown down.
<b>Jefferson County Beaumont</b>	21	2150CDT			0	0	?	?	<b>Thunderstorm Winds</b>
									Trees blown down across the city.
<b>Webb County Laredo</b>	22	2115CDT			0	0	40K	0	<b>Thunderstorm Winds (G52)</b>
									In addition to minor roof and vegetation damage across the city, winds destroyed a partially-complete school band hall under construction. The 40-foot inner wall of the structure had not yet been tied to outer walls or otherwise reinforced, and knocked over the side walls as it fell. It also crushed a mobile home as it fell. The outer wall was not destroyed.
<b>San Patricio County Sinton</b>	23	1639CDT			0	0	?	?	<b>Thunderstorm Winds</b>
									Strong winds generated from a thunderstorm outflow boundary resulted in several reports of wind damage and power outages from downed trees.
<b>Nueces County 10 N Corpus N.A.S.</b>	23	1739CDT	small	narrow	0	0	?	?	<b>Tornado (F0)</b>
									A line of thunderstorms pushing southward across the Coastal Bend produced a small tornado. It was reported by a navy pilot.
<b>Zapata County Zapata</b>	23	1800CDT			0	0	10K	?	<b>Thunderstorm Winds</b>
									Power lines were down and trees were damaged.
<b>Comal County NWS Office</b>	27	1515CDT			0	0	0	0	<b>Thunderstorm Winds (G52)</b>
<b>Travis County Austin</b>	28	1900CDT			0	1	0	0	<b>Lightning</b>
									An 18-year-old student was struck by lightning as he changed a tire in the front yard of his home. He was holding an umbrella over himself as he worked. Lightning struck the umbrella, according to witnesses.
<b>Bastrop County Countywide</b>	29	1700CDT			0	0	10K	0	<b>Thunderstorm Winds</b>
									Trees were blown over in much of the county due to severe winds.
<b>TEXAS, West</b>									
<b>Terrell County 10 E Sanderson</b>	03	1800CST- 1930CST		0	0	0	0		<b>Flash Flood</b>
									Water covered a ranch road with four feet of water at a draw crossing.
<b>Reeves County 15 S Pecos</b>	14	1550CST			0	0	10K	0	<b>Thunderstorm Winds</b>
									The sheriff's office reported telephone poles and power lines down along Farm-to-Market Road 869 due to downburst winds. A mobile home was also overturned.
<b>Gaines County Northern</b>	15	0400CST- 0700CST			0	0	10K	0	<b>Flash Flood</b>
									The sheriff's office reported numerous cars off roadways in the northern part of the county in flooding conditions.
<b>Reeves County 10 N Toyah</b>	17	1735CST- 1738CST	0.4	40	0	0	0		<b>Tornado (F0)</b>
									The Reeves County Sheriff's Office reported a tornado.
<b>UTAH</b>									
<b>Utah County Provo</b>	10	1446MST			0	0	0	0	<b>Thunderstorm Winds (G80)</b>
<b>Emery County</b>									

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					Killed	Injured	Property	Crops	
<b>Ferron</b>	<b>11</b>	<b>1355MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Flash Flood</b>
<b>Utah County</b>	<b>11</b>	<b>1720MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
<b>12 SW Vernal</b>	<b>11</b>	<b>1720MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
<b>Utah County</b>	<b>11</b>	<b>1720MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
<b>10 E Lapointe</b>									
A strong monsoonal flow allowed thunderstorms to drop heavy amounts of rain. In Ferron, 1.72 inches fell in 45 minutes.									
<b>UTAH Cont'd</b>									
Water damage was reported in numerous basements and the local grade school. Next, a large thunderstorm produced a flash flood that covered U.S. Highway 40 with two feet of water, about one and one-half miles west of the intersection of Highway 121, 12SW of Vernal. This large cell is also induced flash flood waters across Highway 121 between Lapointe and Vernal.									
<b>Salt Lake County</b>	<b>12</b>	<b>1632MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Hail (1.25)</b>
<b>Draper</b>									
This thunderstorm dropped golf ball sized hail across portions of Interstate 15. The Utah Highway Patrol reported numerous accidents due to the hail.									
<b>Wayne County</b>	<b>14</b>	<b>1320MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
<b>Capitol Reef</b>									
<b>N.P.</b>									
Park personnel reported water 18 inches deep and rising as it flowed through the Grand Wash.									
<b>Grand County</b>	<b>16</b>	<b>1330MST</b>			<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<b>NE of Moab</b>									
A group of three were descending from rockclimbing NE of Moab. Lightning struck the group, killing a 34-year-old female and injuring a 34-year-old male. The third person was uninjured.									
<b>Washington County</b>	<b>16</b>	<b>1301MST-1600MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
<b>Zion N.P.</b>									
Thunderstorms produced flash flooding at the Narrows of the Virgin River at Zion N.P.									
<b>Wayne County</b>	<b>22-</b>	<b>1305MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Flash Flood</b>
<b>Capitol Reef</b>									
<b>N.P.</b>									
A flash flood was reported at the junction of the Grand Wash and Fremont River. Sections of the Grand Wash flooded to a depth of 14 feet. Nearby, state road 24 was closed as water covered the roadway. Trees were uprooted and highway signs moved in the flood.									
<b>Emery County</b>	<b>23</b>	<b>1131MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
<b>5 N Huntington</b>									
<b>Carbon County</b>	<b>23</b>	<b>Afternoon</b>			<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
<b>Wellington</b>									
<b>Tooele County</b>	<b>23</b>	<b>1850MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G62)</b>
<b>Tooele</b>									
Thunderstorms dropped 0.75 inches in 20 minutes in the mountains west of Huntington. The runoff produced a flash flood and mud flows across Highway 31. Later in the day a 46-year-old male was struck by lightning while working in a gravel pit. He was knocked unconscious by the bolt. He was taken to a hospital and later released. In Tooele, a severe thunderstorm produced a wind gust measured at 72 mph, and dropped .92 inch of rain in 15 minutes.									
<b>VERMONT</b>									
<b>Lamoille County</b>	<b>04</b>	<b>0500EST-1100EST</b>			<b>1</b>	<b>1</b>	<b>2M</b>	<b>?</b>	<b>Flood</b>
<b>Washington County</b>	<b>04</b>	<b>0500EST-1100EST</b>			<b>0</b>	<b>0</b>	<b>1.5M</b>	<b>?</b>	<b>Flood</b>
<b>Caledonia County</b>	<b>04</b>	<b>0500EST-1100EST</b>			<b>0</b>	<b>0</b>	<b>1M</b>	<b>?</b>	<b>Flood</b>
<b>Orleans County</b>	<b>04</b>	<b>0500EST-1100EST</b>			<b>0</b>	<b>0</b>	<b>300K</b>	<b>?</b>	<b>Flood</b>
<b>Essex County</b>	<b>04</b>	<b>0500EST-1100EST</b>			<b>0</b>	<b>0</b>	<b>200K</b>	<b>?</b>	<b>Flood</b>
<b>Chittenden County</b>	<b>04</b>	<b>0500EST-1100EST</b>			<b>0</b>	<b>0</b>	<b>150K</b>	<b>?</b>	<b>Flood</b>
A cold front moved southeast from Canada during the afternoon of the 4th and became elongated across northern Vermont on the 5th before moving south on the 6th. During the day of August 5th, this front helped to focus the heaviest rains across northern Vermont. In addition, the remnants of Tropical Storm Dean resulted in off shoots of tropical moisture moving northeast along the front enhancing the rainfall. Rainfall amounts averaged over 5.5 inches through the period. Mount Mansfield reported 10.4 inches. A woman was killed, when her car went into a culvert which had been washed out by the Tamarack Brook in Wolcott, in Lamoille County. Approximately 100 houses and/or mobile homes were evacuated due to the flood waters. Road washouts and closures were reported in many areas across Vermont including: Barre, Cambridge, East Montpelier, St. Johnsbury, Hardwick, Hyde Park, Johnson, Lyndon, Morrystown, Underhill, Wolcott and Worcester. The major highways affected were Routes: 15, 12, 108, 109, 5, 2 and 15A. Extensive crop damage was also reported. This included damage to grain and vegetable crops (especially corn) and the hay crop. President Clinton declared the region a Federal Disaster area. (F39V)									
<b>Grand Isle County</b>	<b>11</b>	<b>1540EST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Grand Isle</b>	<b>11</b>	<b>1540EST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>South Hero</b>									
<b>Chittenden County</b>	<b>11</b>	<b>1630EST</b>			<b>0</b>	<b>0</b>	<b>40K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Colchester</b>	<b>11</b>	<b>1645EST</b>			<b>0</b>	<b>0</b>	<b>40K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Winooski</b>	<b>11</b>	<b>1645EST</b>			<b>0</b>	<b>0</b>	<b>30k</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>South Burlington</b>	<b>11</b>	<b>1700EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>South Hinesburg</b>	<b>11</b>	<b>1700EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Burlington</b>	<b>11</b>	<b>1700EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Urban Flood</b>
An upper air disturbance moved across New England during the afternoon and evening of August 11. The storms developed									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>VERMONT Cont'd</b>									
across northern portions of Vermont during the mid to late afternoon hours and spread into central Vermont during the late evening. The thunderstorms produced numerous power outages in Chittenden County and fallen trees caused some structural damage to houses and cars. Torrential rains also caused urban flooding in the city of Burlington as storm drains backed up.									
<b>Southern Vermont</b>		<b>monthlong</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>?</b>	<b>Drought</b>
									Severe drought conditions existed across southern Vermont by the end of August. Corn and hay yields were both down as precipitation deficits of four to eight inches were common across this area.
<b>VIRGINIA, Northern</b>									
<b>Clarke County Boyce</b>	<b>04</b>	<b>1930EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Trees and power lines were knocked down.
<b>Loudoun County Middleburg/ Upperville</b>	<b>04</b>	<b>2015EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Large limbs were blown onto power lines by thunderstorm winds.
<b>Shenandoah County Mt Jackson</b>	<b>05</b>	<b>1320EST- 1330EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A severe thunderstorm moved through southern Shenandoah County, knocking down trees, limbs, and power lines, and causing substantial structural damage to a car wash building. One tree blocked local Route 742.
<b>Loudoun County Central</b>	<b>05</b>	<b>1418EST- 1435EST</b>			<b>0</b>	<b>0</b>	<b>50K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Loudoun County Purcellville</b>	<b>05</b>	<b>1420EST</b>			<b>0</b>	<b>0</b>	<b>38K</b>	<b>0</b>	<b>Lightning</b>
									A line of thunderstorms, some severe, moved through portions of northern Virginia and central Maryland during the afternoon of the 5th. One cell moved through northeastern Loudoun County, downing several trees from Purcellville through Sterling. A home under construction in the Cascades development (Sterling) was damaged. Associated lightning struck an outbuilding ablaze a barn owned by the Stoneleigh Golf and Country Club, destroying it.
<b>Frederick County Middletown</b>	<b>05</b>	<b>1830EST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>0</b>	<b>Lightning</b>
									Lightning struck the Cedar Creek Apartments in Middletown, causing roof damage and igniting a fire between siding and an outside wall. Minor smoke damage was reported at one unit.
<b>Greene County Extreme S ptn. Albemarle County Extreme N ptn.</b>	<b>13</b>	<b>1426EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
	<b>13</b>	<b>1430EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A severe thunderstorm blew trees onto power lines in extreme southern Greene County, five miles N of the county line. Minutes later, the same storm blew down trees along federal Highway 29 in extreme northern Albemarle County.
<b>Prince William County Quantico</b>	<b>23</b>	<b>0612EST- 0620EST</b>			<b>1</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
									Lightning struck several members of a Marine training battalion on a rifle range as they were seeking shelter from an oncoming thunderstorm. The lightning directly struck one recruit, knocking him unconscious. He died about an hour later. Four other recruits sustained minor injuries to their lower extremities and were treated at the scene. Another strike caused minor injuries to a marksmanship sergeant and another training recruit. (M0U18)
<b>VAZ025&gt;31- 036&gt;042- 051&gt;052- 055&gt;057</b>	<b>07 31</b>	<b>0000EST- 2300EST</b>			<b>2</b>	<b>0</b>	<b>0</b>	<b>?</b>	<b>Drought/Excessive Heat</b>
									Dry weather, combined with periods of excessive heat, caused some damage to several crops, and limited the production of healthy livestock, during a month-long period that extended through mid-September. The dry weather began after the soaking rains associated with the remains of Hurricane Erin (August 6) moved away. The drought conditions began in earnest over the following three weeks, as dry weather combined with a period of excessive heat (August 13 through 18) to wither crops. Fortunately, early-summer rains, combined with previous year's rainfall totals, kept deep groundwater levels at near normal levels. Development of early-season corn was accelerated due to the dry weather, but harvests were only slightly below normal. Unfortunately, crops which rely on shallow ground water sustained damage, namely soybeans, alfalfa, tobacco, and late-season corn. Dairy cattle production slipped 20 to 25 percent. August, normally one of the wettest months, was the sixth-driest on record at Washington/National Airport (Arlington County), with barely seven-eighths of an inch (normal: 3.9 inches). Across the region, monthly precipitation averaged one to two inches, with virtually all of it falling before August 7th. The drought continued into mid-September, when it was alleviated somewhat by steady rains late on the 16th and early on the 17th. However, mean temperatures were much lower in September, ironically due to drier air masses, which allowed temperatures to plummet into the 50s on several mornings. Nonetheless Washington/National broke an all-time record for consecutive days without measurable precipitation, with 33. There were two reported heat-related deaths in August. During the first heat wave (August 1st through 5th) included maximum daytime heat indices of 105, a 40-year-old female perished (Aug. 5th). A toddler perished during the second heat wave (August 13th through 18th), on the 14th. (F40??, M01??)
<b>VIRGINIA, Eastern</b>									
<b>Virginia Beach</b>	<b>13</b>	<b>1400EST</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Rip Current</b>
									Vacationer from New York drowned after venturing too far into severe rip current conditions. M261W
<b>Eastern Virginia VAZ74&gt;78-84&gt;86-90&gt;</b>	<b>15- 17</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hurricane Felix</b>



# Storm Data and Unusual Weather Phenomena

August 1995

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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## 91-93>100-MDZ501

Hurricane Felix threatened the Virginia, Maryland and northeast North Carolina coasts during the three-day period. No major damage was reported in Virginia from Felix, although some beach erosion occurred in Virginia Beach, and some minor overwash was reported in Virginia Beach's Sandbridge area. At the height of the storm, tides were between two and 2.5 feet above normal. Beaches were closed to swimmers for several days as a result of strong rip currents. Some residents and visitors evacuated parts of Virginia Beach as a precaution ahead of Felix.

### Virginia Beach Norfolk/ Chesapeake Bay

	20	0800EST			2	0	0	0	<b>Heavy Seas</b>
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Two men drowned and three others were rescued after their boat capsized in heavy seas near the Hampton Roads Bridge-Tunnel. M18BO, M26BO

### Central and Eastern Virginia Chesterfield County Chesterfield Prince George County Hopewell

1-31					0	22	1	0	<b>Heat Wave Drought</b>
06					0	22	0	0	
31					0	0	1	0	

An intense heat wave, which gripped central and eastern Virginia for much of July, continued into the early part of August. The record for consecutive days above 90 degrees reached 27 days at Richmond and 26 days at Norfolk before ending on August 6. By the end of the month, Norfolk had tied the record for its warmest summer (June, July and August), with an average temperature of 79.7 degrees. This record was previously tied in 1987 and 1876. August was also the 15th consecutive month of above normal temperatures in Norfolk.

On August 6, 22 cheerleaders were treated for exhaustion during a cheerleading meet in Chesterfield VA. On the afternoon August 31, a two-year-old girl died after being left in a car unattended for a period of time.

Dry weather, which began during July, continued in August across much of southern and eastern Virginia. In Norfolk, for example, August was the seventh driest month ever with only 1.50 inches of precipitation. The summer total of 7.82 inches made it the fifth driest summer ever. After flooding rains during late June and early July, the Blackwater and Meherrin Rivers in south central Virginia reported record low flows in August, while the Nottoway River at Sebrrell recorded its second lowest flow of record. The Chickahominy River in east central Virginia recorded its lowest August level in the last 50 years. By the end of August, rainfall across much of eastern and southern Virginia was between seven and 10 inches below normal for 1995. Crop yields, especially soybean, peanut and cotton, were expected to be cut by 25 to 30 percent as a result of the dry weather.

## VIRGINIA, Central

### Southwest and South-Central Virginia Zones 022-032>035- 043>047-058- 059-

12	1100EST				0	0			<b>Heat Wave</b>
18	1900EST								

An intense heat wave occurred in south-central and southwest Virginia from the 12th through the 18th. High temperatures during this period were mainly in the mid and upper 90s with afternoon heat indices mainly from 100 to 115 degrees. The high temperature on the 14th at the Roanoke Regional Airport reached 100 degrees, setting a record for the date. This was the highest temperature recorded at the Roanoke Regional Airport since August 18th, 1988. A Martinsville man died as an indirect result of the heat wave and numerous others were treated for heat related illnesses.

### Montgomery County 2 W Blacksburg Montgomery County 2.5 SSW Blacksburg Montgomery County 3 NW Christiansburg Carroll County 1 E Laurel Fork Carroll County Hillsville Patrick County Ararat Carroll County Galax Carroll County 4 S Galax Carroll County 4 S Galax Tazewell County 3.5 S Richlands

18	1415EST				0	0	5K	?	<b>Thunderstorm Wind</b>
18	1418EST				0	1	10K	?	<b>Thunderstorm Wind</b>
18	1425EST				0	0	?	?	<b>Thunderstorm Wind</b>
18	1600EST				0	0	?	?	<b>Thunderstorm Wind</b>
18	1600EST				0	0	?	?	<b>Hail (0.88)</b>
18	1630EST				0	0	?	?	<b>Thunderstorm Wind</b>
18	1630EST				0	0	2K	?	<b>Hail (1.75)</b>
18	1712EST				0	0	?	?	<b>Hail (1.00)</b>
18	1712EST				0	0	?	?	<b>Thunderstorm Wind</b>
18	1730EST				0	0	25K	?	<b>Lightning</b>

Thunderstorms in southwest Virginia during the late afternoon and early evening hours on the 18th produced damaging lightning, damaging winds and hail up to golf ball-size. Thunderstorm winds downed trees on mile east of Laurel Fork, knocked trees down on top of power lines in Ararat, tore a porch and the roof off a mobile home four miles south of Galax

## VIRGINIA, Central Cont'd

and broke off an eight inch diameter tree limb three miles northwest of Christiansburg. Thunderstorm winds destroyed a shed, damaged a mobile home, slightly damaged two other mobile homes and knocked down area two miles west of Blacksburg. Thunderstorm winds estimated up to 60 mph knocked down large branches and several trees 2.5 miles south-southwest of Blacksburg. Two cars were destroyed and a woman was injured when a large rotted tree fell on the vehicles. In addition, another large tree that was knocked down, damaged two mobile homes.

Hail up to golf ball-size broke out car windows in Galax. Lightning started a fire which destroyed a barn, a tractor, hay and lumber 3.5 miles south of Richlands.

## VIRGINIA, Southwestern

### Lee County

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
Flatwood	01	1830EST			0	0	5K	0	Thunderstorm Winds
			Several trees knocked down.						
<b>VIRGINIA, Northwestern</b>									
Buchanan Co. Vansant	19	1530EST			0	0	0	0	Thunderstorm Wind
			Large trees were blown down across State Route 83.						
Buchanan Co. Conaway to Grundy	19	1630-1730EST			0	0	5K	0	Flash Flood
			A rainfall of 2 inches in 45 minutes to 1 hours caused smallstreams to overflow. No dwellings were affected. Along Poplar Creek numerous mud and rock slides blocked Route 604.						
Dickenson Co.	01-31				0	0	0	?	Drought
			Drought conditions that developed last month continued. Itwas the driest August in Clintwood since records began in 1964. Only 2.1 inches fell. The Breaks Interstate Park measured only 1.4 inches. Many springs and small streams were dry by the latter half of the month. The second cutting of hay yielded 20 to 30% of the normal amount. The dry ground aided afternoon temperatures in reaching 90 degreesor hotter on 11 days. The monthly average temperature at Clintwood was 74.6 degrees, the warmest for any month since 1964.						
<b>WASHINGTON</b>									
			None were reported.						
<b>WEST VIRGINIA, Northern</b>									
Preston County Bruceton Mills	02	1630EST			0	0	1K	0	Thunderstorm Winds
			A couple of large trees were downed in Bruceton Mills.						
Hancock County Weirton	03	1700EST			1	0	0	0	Extreme Heat
			Apreliminary Medical Examiner's report indicated that a nine month-old boy had died from the effects of the heat. Afternoon temperatures were in the lower to mid 90s. M01PH						
Marshall County Moundsville	05	1330EST			0	0	1K	0	Thunderstorm Winds
			A tree and large branches were downed by thunderstorm winds in Moundsville.						
Tucker County Countywide	06	0800EST-1400EST			0	0	?	0	Flood/Flash Flood
			CloverRun, a tributary of the Cheat River, near Route 38 went out of its banks around 0800 EST. Some nearby automated rain gages recorded 3.5 to four inches of rain during the preceding 12 hours. Around 0910 EST floodwaters and rock and mudslides closed Route 219 west of Parsons. Roads and some streams and creeks were also flooded north of Parsons and near Thomas. At 0945 EST, small stream flooding was reported near Douglas along with some rock and mudslides. Many streams remained flooded into the early afternoon.						
Marshall County Moundsville	11	1300EST			0	0	1K	0	Thunderstorm Winds
			Thunderstorm winds downed a tree and a few large branches in Moundsville.						
Marshall County Sherrard	11	1315EST-1345EST			0	0	0	0	Flood/Flash Flood
			Between three and four inches of rain fell in Sherrard between 1230 and 1330 EST, causing some street flooding.						
Hancock County Countywide	11	1320EST			0	0	2K	0	Thunderstorm Winds
			Several trees were downed by thunderstorm winds across the county.						
Brooke County Wellsburg	11	1430EST			0	0	0	0	Flood/Flash Flood
			Heavy thunderstorm rains caused some street flooding in Wellsburg.						
<b>WEST VIRGINIA, Northern Cont'd</b>									
Monongalia County 5 NW Morgantown Morgantown	11	1440EST			0	0	1K	0	Thunderstorm Winds
	11	1455EST			0	0	1K	0	Thunderstorm Winds
			Thunderstorm winds downed trees northwest of Morgantown along Route 7, and then downed trees in Morgantown.						
Preston County Tunnelton	11	1520EST			0	0	1K	0	Thunderstorm Winds
			Thunderstorm winds downed trees in Tunnelton.						
Marion County Fairview	11	1530EST			0	0	1K	0	Thunderstorm Winds
			Thunderstorm winds downed a few trees in the northern part of the county near Fairview.						
<b>WEST VIRGINIA, Eastern</b>									
			None were reported.						

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>WEST VIRGINIA, Southeastern</b>									
None were reported.									
<b>WEST VIRGINIA, Western</b>									
Logan Co. Sharples	01	2120EST			0	0	0	0	Thunderstorm Wind
Boone Co. Peytona	01	2145EST			0	0	0	0	Thunderstorm Wind
Putnam Co. Countywide	01	2220-2230EST			0	0	10K	0	Thunderstorm Wind
Mason Co. Grimms Landing	01	2315EST			1	1	0	0	Lightning
Kanawha Co. South Charleston to St. Albans	01 02	2315-0100EST			0	0	10K	0	Flash Flood
Putnam Co. Winfield Scott Depot Hurricane	01	2315-0115EST			0	0	20K	0	Flash Flood
Jackson Co. Ravenswood	01	2330EST			0	0	5K	0	Thunderstorm Wind
Lightning killed a deck hand and injured another on a coal barge in the Kanawha River. Thunderstorm wind blew down trees and power lines, but damage was minimal. The rains amounted to 2.4 inches at Winfield in 45 minutes. Hurricane measured 2.8 inches in the deluge. Creeks flooded roads in western Kanawha and Putnam Counties. No evacuations were reported M22BO									
Wood Co. Belleville	02	2315EST			0	0	30K	0	Lightning
Lightning ignited a house fire.									
Taylor Co. 6N Rosemont	05	1410EST			0	0	0	0	Thunderstorm Wind
Six trees were uprooted along County Route 1.									
WVZ006-007-008-009-010-011-014-015-016-017-018-019-020-027-028-029-030-031-032-037-038-039-047	05 06	1500-0600EST			0	0	0	0	Heavy Rain
Remnants of Hurricane Erin provided beneficial summer rains to the Mid Ohio Valley and northern counties. Rain amounts of 2 to 4 inches fell. Some streams including Middle Island Creek, overflowed into fields. However, no significant flooding occurred.									
Lincoln Co. Sias	08	0530-0630EST			0	0	5K	0	Flash Flood
Roads were damaged by the waters from Big Creek and the Mud River.									
Kanawha Co. St. Albans to Alum Creek	10	0230-0530EST			0	0	275K	0	Flash Flood
Lincoln Co. Griffithsville	10	0230-0530EST			0	0	70K	?	Flash Flood
<b>WEST VIRGINIA, Western Cont'd</b>									
Yawkey, Sumerco, Garrets Bend and Alum Creek									
Rains of 2.5 to 3.5 inches fell in less than 3 hours on saturated soil along the Kanawha/Lincoln County line. Little Alum and Alum Creeks flooded, destroying 3 private bridges in Kanawha County. Cars floated away from their overnight parking spots. Tackett Creek forced 50 people to evacuate a 16 unit apartment complex in St. Albans. Water was 2 to 3 feet deep in some first floor apartments. Several cars were flooded in the adjoining parking lot. A nearby diner was also flooded. In Lincoln County, 6 residential dwellings were affected. Steps and decks to mobile homes plus 10 vehicles were damaged. Porter Fork flooded the Yawkey Post Office and the Duval Ambulance Service. In Griffithsville, a church and a beauty shop received water damage. Waters from Trace Fork and Middle Fork caused damage to the adjacent tobacco crop. The Red Cross provided assistance to 125 families in the 2 county flood. Their figures indicate 1 mobile home was destroyed, while 2 others had major damage. Five single family dwellings had major damage.									
Wood Co. Kanawha	11	1730-1830EST			0	0	0	0	Flash Flood
Small streams flooded Route 46. No dwellings were affected.									
Nicholas Co. Canvas	18	1430EST			1	0	0	0	Lightning
A 56 year old man was killed while clearing brush. M56UT									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
Mingo Co. Borderland	18	1532EST			0	0	0	0	Hail 0.75
WVZ005-006-007-008-009-010-011-013-014-015-016-017-018-019-020-024-025-026-027-028-029-030-031-032-033-034-035-036-037-038-039-040-046-047	01-31								Hot Pattern
<p>The monthly average temperature was a notable 3.5 to 6 degrees warmer than normal. At Elkins it was the warmest August and the 4th warmest month since records began in 1899. At Beckley, it was the second warmest August. The excessive haze and humidity not only added to the discomfort, but also restricted the drop in overnight temperatures. At month's end, some schools dismissed classes a few hours early. Despite isolated downpours and the wet conditions during late Spring, drought conditions developed this month. The hot weather of July and August combined to dry up many small streams and springs. At Elkins, the 3 summer months of June through August averaged 71.1 degrees. This edged out the summer of 1934 as the warmest on record for that Tygart Valley community.</p>									
<b>WISCONSIN, Northwest</b>									
Burnett County Grantsburg Siren	07	0000CST-1230CST			0	0	20K	0	Flood
<p>A series of thunderstorms with heavy rain moved over the same area of Burnett County, causing flooding along the Wood River. The heaviest rain fell in Grantsburg where 3.3 inches fell between 0600 and 1230CST. Some estimates put the amount of rain within a 24-hour period at over six inches. The heavy rain washed out roads and small bridges, flooded basements, swept cars into ditches, and disrupted phone service.</p>									
Burnett County Webster	18	2330CST			0	0	250K	0	Thunderstorm Winds Hail (3.00)
<p>Twenty homes and four businesses received window and roof damage from strong thunderstorm winds and large hail. Two-by-fours were driven through the roof of a house. The hail was described as the size of "billiard balls". Some cars were damaged and many power lines were blown down.</p>									
Washburn County Minong Shell Lake	19	0000CST			0	0	?	0	Thunderstorm Winds
	19	0000CST			0	0	?	0	Thunderstorm Winds
<p>Trees and power lines were blown down.</p>									
Sawyer County 5 N Hayward	19	0038CST			0	0	?	0	Thunderstorm Winds
<p>Large trees were blown down by strong thunderstorm winds.</p>									
Price County 9 E Phillips	28	0233CST			0	0	?	0	Thunderstorm Winds Hail (1.25)
<p>Trees up to one foot in diameter were blown down. Some structures received roof damage and a few trees were blown on to houses.</p>									
<b>WISCONSIN, Southeast</b>									
Milwaukee County Milwaukee	04	1700CST-			0	0	?	0	Urban Flood
	04	2000CST							
<p>Heavy rains from a nearly stationary thunderstorm over downtown and northern part of the City of Milwaukee resulted in flooding along the Wood River. The heaviest rain fell in Grantsburg where 3.3 inches was recorded between 0600 and 1230 CST. Some estimates put the 24 hour rainfall at over six inches. The heavy rains washed out a section of State Highway 70 between Grantsburg and Siren, as well as some county roads and small bridges. In addition, basements were flooded, some cars were swept into ditches, and telephone service was disrupted. Total damage was estimated at \$200 thousand.</p>									
<b>WISCONSIN, Southeast Cont'd</b>									
Plum City	06	1415CST			0	0	?	?	Heavy Rain
<p>Thunderstorms dumped five inches of rain in the Plum City area which resulted in mud slides on County Highway A.</p>									
Grant County Glen Haven	06	1645CST			0	0	?	0	Lightning
<p>An isolated storm's lightning killed three horses in an open field on a farm near Glen Haven (Grant County). Two of the horses had lived on the farm for 20 years. No persons were harmed by the lightning strike.</p>									
Burnett County Grantsburg to Siren	07	0900CST-			0	0	200K	0	Flash Flood
	07	1330CST							
<p>A series of thunderstorms with heavy rains moved over the same area of Burnett County between Grantsburg and Siren causing flooding along the Wood River. The heaviest rain fell in Grantsburg where 3.3 inches was recorded between 0600 and 1230 CST. Some estimates put the 24 hour rainfall at over six inches. The heavy rains washed out a section of State Highway 70 between Grantsburg and Siren, as well as some county roads and small bridges. In addition, basements were flooded, some cars were swept into ditches, and telephone service was disrupted. Total damage was estimated at \$200 thousand.</p>									
Dodge County 2.5 SE Juneau 1 E Horicon	07	0300CST			0	0	?	0	Lightning
	07	0340CST			0	0	?	0	Lightning
<p>Early morning thunderstorm lightning started fires which destroyed two barns southeast of Juneau. Another lightning strike started a fire which destroyed the top half of a barn east of Horicon.</p>									
Columbia County Columbus to									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>Fall River</b>	<b>07</b>	<b>1200CST-</b>							
	<b>07</b>	<b>1500CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Urban Flood</b>
Slow moving thunderstorms dumped 5.1 inches of rain in 70 minutes in the Columbus to Fall River area (Columbia County) which resulted in urban flooding of backyards and streets. Only minor damage was noted.									
<b>Dodge County</b>	<b>07</b>	<b>1315CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Lightning</b>
<b>4 NW Fox Lake</b>									
<b>Outagamie County</b>	<b>07</b>	<b>1400CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flash Flood</b>
<b>Black Creek</b>									
<b>Jefferson County</b>	<b>07</b>	<b>1505CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Waterloo</b>	<b>07</b>	<b>1530CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<b>Lake Mills</b>	<b>07</b>	<b>1553CST</b>			<b>0</b>	<b>0</b>	<b>80K</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Milford</b>									
<b>Rock County</b>	<b>07</b>	<b>1530CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Lightning</b>
<b>6 NE Milton</b>									
<b>Waukesha County</b>	<b>07</b>	<b>1550CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Hail (1.00)</b>
<b>2 SW Oconomowoc</b>	<b>07</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Lightning</b>
<b>Oconomowoc</b>	<b>07</b>	<b>1610CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Hail (1.00)</b>
<b>Lac La Belle</b>									
<b>Washington County</b>	<b>07</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>	<b>4K</b>	<b>0</b>	<b>Lightning</b>
<b>Germantown</b>									
<b>Monroe County</b>	<b>07</b>	<b>1900CST</b>			<b>0</b>	<b>0</b>	<b>4K</b>	<b>0</b>	<b>Lightning</b>
<b>Angelo</b>									
A brief deluge in an isolated thunderstorm dropped three and one-half to five inches of rain in the Black Creek (Outagamie County) area, causing State Highway 54 to flood. A woman and her children had to be rescued from their vehicle after it stalled in the rapidly rising waters. Scattered severe thunderstorms across southern Wisconsin generated a variety of adverse weather elements. Powerful thunderstorm winds blew down large trees and limbs around Waterloo (Jefferson County); in Lake Mills (Jefferson County); and knocked down 20 large trees, a silo, and a barn just south of Milford (Jefferson County). Damage to the silo and barn was about \$80 thousand. One large toppled tree temporarily closed west-bound traffic on Interstate 94 south of Milford. A lightning bolt struck a home northwest of Fox Lake (Dodge County) and damaged its roof. Lightning started a fire which did moderate damage to homes roof and second floor northeast of Milton (Rock County). Lightning ignited a brief fire in a lumber yard in Oconomowoc (Waukesha County), and slightly damaged the 911 service and computers at the Germantown Police Department. A bolt of lightning struck a home in the town of Angelo (Monroe County) causing the stove to catch fire, and damaging the TV set. On the adjoining property, a dog was killed by the lightning strike, but no people were hurt in the incident.									
<b>Waupaca County</b>	<b>09</b>	<b>0330CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Waupaca</b>									
<b>Waushara County</b>	<b>09</b>	<b>0420CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Bloomfield</b>	<b>09</b>	<b>0430CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Plainfield</b>	<b>09</b>	<b>0430CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Lightning</b>
<b>Redgranite</b>	<b>09</b>	<b>0435CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Borth</b>									
<b>Langlade County</b>	<b>09</b>	<b>0430CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Lightning</b>
<b>Summit Lake</b>									
<b>Winnebago County</b>	<b>09</b>	<b>0430CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>?</b>	<b>Lightning</b>
<b>6 SW Oshkosh</b>	<b>09</b>	<b>0440CST</b>			<b>0</b>	<b>0</b>	<b>100K</b>	<b>20K</b>	<b>Thunderstorm Winds</b>
<b>3 W Neenah</b>	<b>09</b>	<b>0445CST</b>			<b>0</b>	<b>0</b>	<b>50K</b>	<b>30K</b>	<b>Thunderstorm Winds</b>
<b>Poygan</b>									
<b>WISCONSIN, Southeast Cont'd</b>									
<b>Oshkosh</b>	<b>09</b>	<b>0500CST</b>			<b>0</b>	<b>0</b>	<b>200K</b>	<b>10K</b>	<b>Thunderstorm Winds</b>
<b>8 SE Oshkosh</b>	<b>09</b>	<b>0525CST</b>			<b>0</b>	<b>0</b>	<b>25K</b>	<b>30K</b>	<b>Thunderstorm Winds</b>
<b>Green Lake County</b>	<b>09</b>	<b>0505CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Berlin</b>									
<b>Fond du Lac County</b>	<b>09</b>	<b>0515CST</b>			<b>0</b>	<b>0</b>	<b>75K</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Ripon</b>	<b>09</b>	<b>0540CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Thunderstorm Winds</b>
<b>Rosendale</b>	<b>09</b>	<b>0605CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
<b>3 N Cambellsport</b>	<b>09</b>	<b>0615CST-</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Urban Flood</b>
<b>Fond du Lac</b>	<b>09</b>	<b>0700CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Urban Flood</b>
<b>Washington County</b>	<b>09</b>	<b>0630CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Lightning</b>
<b>Slinger</b>									
<b>Dodge County</b>	<b>09</b>	<b>0645CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Hail (0.75)</b>
<b>Lebanon</b>	<b>09</b>	<b>0700CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Lightning</b>
<b>2 SE Horicon</b>	<b>09</b>	<b>0700CST-</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Urban Flood</b>
<b>Beaver Dam</b>	<b>09</b>	<b>0900CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Urban Flood</b>
<b>Mayville</b>	<b>09</b>	<b>1125CST-</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Urban Flood</b>
<b>Lebonon</b>	<b>09</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Urban Flood</b>
<b>1130CST-</b>									
<b>5 SW Mayville</b>	<b>09</b>	<b>1300CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Urban Flood</b>
<b>Hustiford</b>	<b>09</b>	<b>1132CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Hail (1.00)</b>
<b>0800CST-</b>									
<b>0915CST</b>	<b>09</b>	<b>0915CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Urban Flood</b>
<b>Alderley</b>	<b>09</b>	<b>1200CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Hail (1.75)</b>
<b>Waukesha County</b>	<b>09</b>	<b>0655CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Lightning</b>
<b>1 SW Delafield</b>	<b>09</b>	<b>0700CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Lightning</b>
<b>4 SW Delafield</b>	<b>09</b>	<b>0710CST</b>			<b>0</b>	<b>0</b>	<b>1K</b>	<b>0</b>	<b>Lightning</b>
<b>Oconomowoc</b>	<b>09</b>	<b>0715CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Hail (1.00)</b>
<b>Delafield</b>	<b>09</b>	<b>0715CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Lightning</b>
<b>Pewaukee</b>									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
3 SW Dousman	09	0717CST			0	0	?	0	Lightning
1 S Dousman	09	0720CST			0	0	85K	0	Lightning
Merton	09	0730CST			0	0	?	0	Lightning
2 E Eagle	09	0735CST			0	0	?	?	Thunderstorm Winds
Brookfield	09	0740CST			0	0	12K	0	Lightning
North Prairie	09	1110CST			0	0	?	?	Thunderstorm Winds (G52)
Oconomowoc	09	1130CST-							
	09	1300CST			0	0	?	0	Urban Flood
3 E Muckwanago	09	1300CST			0	0	100K	0	Lightning
2 S Hartland	09	1440CST			0	0	?	?	Thunderstorm Winds
Jefferson County									
Watertown	09	0700CST			0	0	?	0	Urban Flood
Farmington	09	0705CST			0	0	?	?	Hail (2.50)
Ft. Atkinson	09	0929CST			0	0	?	0	Thunderstorm Winds
Palmyra	09	0930CST			0	0	?	0	Thunderstorm Winds
8 S Watertown	09	1010CST			0	0	?	?	Hail (1.75)
3 S Sullivan	09	1050CST			0	0	?	?	Hail (0.75)
4 NE Palmyra	09	1215CST			0	0	?	?	Thunderstorm Winds
2 S Ft. Atkinson	09	1245CST-							
		1400CST			0	0	?	0	Urban Flood
Walworth County									
Whitewater	09	0755CST			0	0	?	0	Thunderstorm Winds (G52)
Whitewater	09	0945CST			0	0	10K	0	Thunderstorm Winds
Troy Center	09	0956CST			0	0	10K	0	Thunderstorm Winds
Lake Geneva	09	1045CST			0	0	?	0	Thunderstorm Winds
5 E Elkhorn	09	1110CST			0	0	0	0	Funnel Cloud
2 E East Troy	09	1130CST			0	0	?	?	Thunderstorm Winds
La Grange	09	1130CST			0	0	?	?	Thunderstorm Winds
2 N Elkhorn	09	1145CST			0	0	?	0	Thunderstorm Winds (G56)
1 N East Troy	09	1204CST			0	0	?	?	Thunderstorm Winds
2 N Lake Geneva	09	1216CST			0	0	?	?	Thunderstorm Winds
Spring Prairie	09	1342CST			0	0	?	?	Thunderstorm Winds
Walworth	09	1413CST			0	1	0	0	Lightning
Brown County									
Green Bay	09	0930CST			0	0	45K	?	Lightning
Racine County									
Burlington	09	1030CST			0	0	0	0	Funnel Cloud
Racine City	09	1245CST			0	0	10K	0	Lightning

On this day eastern Wisconsin was savagely beaten by numerous rounds of short lines of severe thunderstorms. The genesis region was in north-central and central Wisconsin where strong warm air advection an old frontal boundary, and tropical air combined forces. The storms moved southeast, strengthened, and at times made the sky so dark that residents thought it was nighttime. Some law enforcement officials described the lightning "the worst in decades." Some locations actually were hit more than once with severe winds estimated by trained spotters as high as 70 to 80 mph. Thunderstorms with damaging winds and frequent cloud to ground lightning rolled across northeastern Wisconsin during the early morning hours. In eastern

## WISCONSIN, Southeast Cont'd

Waushara County, trees and power lines were knocked down in the Borth, Plainfield, Tustin, and Bloomfield areas. In Bloomfield, a tin roof of a barn was also blown off, a corn crib thrown across a lawn, a hay wagon blown across the road and a shed door blown off. Lightning-induced fires damaged two homes in the Redgranite area. In Winnebago County, trees were downed in the Neenah, Nekimi, Utica, and Black Wolf areas. Near Poygan (Winnebago County), a boat was picked up and thrown into a marsh and power lines were blown down. Around the Oshkosh (Winnebago County) area, three traffic lights were knocked down and large tree limbs blocked roadways. In Nekimi, lightning started a fire which caused extensive damage to a metal barn. Total damage in Winnebago County was almost \$500 thousand. The violent winds also knocked down large trees in the Waupaca (Waupaca County) area. Lightning-generated fires destroyed a cabin dating back to the 1880's at Summit Lake (Langlade County). Two homes on the east side of Green Bay (Brown County) were also damaged by lightning. An incredible number of wet microbursts and their associated powerful winds toppled large trees, or knocked down large branches in Berlin (Green Lake County); in Rosendale (Fond du Lac County); in Fort Atkinson, in Palmyra, northeast of Palmyra, and south of Fort Atkinson, all in Jefferson County; east of Eagle, in North Prairie, northeast of Delafield, and south of Hartland, all in Waukesha County; and in Whitewater, in Troy Center, in and northeast of Lake Geneva, east and north of Troy Center, east of East Troy, in La Grange, and in Spring Prairie, all in Walworth County. Waukesha County was the recipient of many lightning strikes which started fires in the roofs or upper story of homes, businesses, and lumber yards. Two of these homes, one near Dousman (\$85 thousand damage) and the other near Muckwanago (\$100 thousand damage), were so gutted by fire that they may have to be rebuilt. Brookfield (Waukesha County) had two homes that had lightning fires. In Fond du Lac, the severe storms which hit Ripon blew a roof off a home, knocked glass out of windows, and blew a barn and crops down on the edge of town (total damage about \$75 thousand). The powerful wind which struck Palmyra at 0930 CST bent three flag poles at a 45 degree angle, besides tearing down a business sign and toppling numerous large trees. Several reports of large hail were received across southeast Wisconsin, with the largest hail diameter up to 2.5 inches. Due to the copious tropical-like downpours with each thunderstorm, urban street and backyard floodings was noted in several villages or cities. Total rainfall amounts ranged up to 4.5 inches in Delafield (Waukesha County), 4.9 inches in Alderly Dodge county, and 5.38 inches in Oconomowoc (Waukesha County). Fortunately, all of the rain did not fall with one thunderstorm. The most intense rain was in the city of Fond du Lac where three inches fell in less than one hour. Funnel clouds were seen by trained spotters north of Campbellsport (Fond du Lac County), east of Elkhorn (Walworth County), and near Burlington (Racine County), but none of them touched the ground. In the village of Walworth (Walworth County) a male was struck and injured by lightning.

WIZ023>025-027-028  
Portions of West  
Central Wisconsin

11-14	0800CST-0600CST				0	0	?	?	Heavy Rain
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Thunderstorms tracked across west-central Wisconsin, on the 11th, 12th and 13th resulting in flooding and road washouts. The town of Baldwin in St. Croix county received over four and one-half inches of rain during the period. Scattered mud and rock slides were reported in Pierce County on the 13th.

Marathon County

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
5 W Wausau	11	1005CST			0	0	?	?	Thunderstorm Winds
Rothschild	11	1020CST			0	0	?	?	Thunderstorm Winds
Hatley	11	1045CST			0	0	?	?	Thunderstorm Winds
Langlade County									
Antigo	11	1030CST			0	0	?	?	Thunderstorm Winds
Portage County									
Stevens Point	11	1045CST			0	0	?	?	Thunderstorm Winds
Shawano County									
Mattoon	11	1059CST			0	0	?	?	Thunderstorm Winds
Aniwa	11	1100CST			0	0	1K	?	Lightning
Caroline	11	1105CST			0	0	?	?	Thunderstorm Winds
Shawano	11	1115CST			0	0	?	?	Thunderstorm Winds
Waupaca County									
Clintonville	11	1112CST			0	0	?	?	Thunderstorm Winds
Menominee County									
Keshena	11	1125CST			0	0	?	?	Thunderstorm Winds
Oconto County									
Mountain	11	1125CST			0	0	?	?	Thunderstorm Winds
Brown County									
Green Bay	11	1150CST			0	0	?	?	Thunderstorm Winds (G52)
Green Bay	11	1205CST			0	0	?	?	Thunderstorm Winds (G52)
Marinette County									
Crivitz	11	1207CST			0	0	?	?	Thunderstorm Winds
Winnebago County									
Oshkosh	11	1207CST			0	0	20K	?	Thunderstorm Winds
Door County									
Sturgeon Bay	11	1224CST			0	0	?	?	Thunderstorm Winds
Kewaunee County									
Algoma	11	1228CST			0	0	5K	?	Thunderstorm Winds
Door County									
Gills Rock	11	1250CST			0	0	?	?	Thunderstorm Winds

A squall line moved rapidly across the northeast quarter of Wisconsin during the late morning and early afternoon hours. Trees and large limbs were downed in the Rothschild (Marathon County), Clintonville (Waupaca County), Keshena (Menominee County), and Crivitz (Marinette County) areas. Some of these trees were 125 feet tall and three-feet in diameter. In addition, three large tree limbs went through the roof of a house in Rothschild. Trees, power lines and telephone lines were downed five miles west of Wausau (Marathon County), and in the Antigo (Langlade County), Hatley (Marathon County), Mountain (Oconto County), Caroline (Shawano County), Oshkosh (Winnebago County), Green Bay (Brown County), Sturgeon Bay (Door County), Gills Rock (Door County), and Algoma (Kewaunee County) areas. A toppled large tree fell

## WISCONSIN, Southeast Cont'd

on top of vehicles near Mattoon (Shawano County), and Stevens Point (Portage County), and crushed a shed in Shawano (Shawano County). Wind gusts to 60 mph in Green Bay (Brown County) caused a large wall section of a warehouse to collapse. In addition, two tractor-semitrailers were blown off the road near Sturgeon Bay (Door County).

### Marquette County

Montello	11	1630CST			0	0	?	?	Funnel Cloud
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The Emergency Government County Director spotted a funnel cloud over the city of Montello, as scattered thunderstorms moved through the county.

### Langlade County

8 SE Antigo	11	2000CST			0	0	?	?	Thunderstorm Winds
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### Menominee County

5 NW Neopit	11	2030CST			0	0	?	?	Thunderstorm Winds
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Another smaller area of severe thunderstorms developed over Langlade and Menominee Counties during the evening hours. Damaging winds southeast of Antigo (Langlade County) blew a barn 75 yards through the air. This barn landed on the back of a house, took down power lines and broke an L.P. gas line. In addition, windows were blown in on the house and a few boards impaled the walls of the home. In Menominee County, trees were reported down across Highway 47 northwest of the town of Neopit.

### Polk County

2 NE Osceola	12	0300CST			0	0	?	?	Thunderstorm Winds
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### 1 S Amery

	12	0310CST			0	0	?	?	Hail (2.50)
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### Clark County

Greenwood	12	0630CST			0	0	?	?	Hail (1.00)
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### Wood County

Vesper	12	0755CST			0	0	?	?	Thunderstorm Winds
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### Wisconsin Rapids

Port Edwards	12	0800CST			0	0	?	?	Thunderstorm Winds
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### Adams County

11 E Rome	12	0815CST			0	0	?	?	Hail (1.75)
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### Chippewa County

10 W Chippewa Falls	12	0835CST			0	0	?	?	Hail (1.75)
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### Chippewa Falls

St. Croix County	12	0855CST			0	0	?	?	Hail (1.00)
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### Maiden Rock

Pepin County	12	2032CST			0	0	?	?	Thunderstorm Winds
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### Durand

Eau Claire County	12	2100CST			0	0	?	?	Thunderstorm Winds
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### Eau Claire County

4 W Eau Claire	12	2109CST			0	0	?	0	Thunderstorm Winds
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### Buffalo County

Mondovi	12	2100CST			0	0	?	?	Thunderstorm Winds
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Scattered severe thunderstorms with large hail and damaging winds hit early and again late in the day in west-central, central,

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<p>and south-central Wisconsin. Powerful thunderstorm winds blew over many large trees and overturned a haywagon northeast of Osceola (Polk County). Two mobile homes were damaged by limbs and a barn destroyed by these winds near Osceola (Polk County). Hail 2.5 inches in diameter damaged a sled and grain bin south of Amery near Black Brook Dam (Polk County). One-inch diameter hail fell at Greenwood (Clark County) with 1.75 inch diameter hail near Rome (Adams County) during the morning. Powerful winds blew a satellite dish over near Vesper, and knocked over trees in the Wisconsin Rapids and Grand Rapids areas, all in Wood County). Hail up to 1.5 inches in diameter fell at Port Edwards (Wood County). Then, during the evening, violent thunderstorm winds knocked down large trees and/or limbs in Maiden Rock (St. Croix County), Durand (Pepin County), west of Eau Claire (Eau Claire County), and in Mondovi (Buffalo County). In addition, a tractor-semitrailer truck was blown off the Interstate Highway west of Eau Claire.</p>									
<b>Chippewa County</b> Hallie	13	0222CST			0	0	?	0	<b>Thunderstorm Winds</b>
An isolated severe thunderstorm's intense winds blew a Hallie Police Department radio transmission tower onto a nearby roof.									
<b>Waushara County</b> Wautoma	13	1315CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Winnebago County</b> Larsen	13	1330CST			0	0	?	?	<b>Lightning</b>
<b>Winchester</b>	13	1415CST			0	0	?	?	<b>Thunderstorm Winds</b>
A severe thunderstorm moved east through east-central Wisconsin. Its violent winds downed trees in Wautoma (Waushara County), and blew over power lines in the Winchester (Winnebago County) area. A lightning-produced fire destroyed a barn near Larsen (Winnebago County).									
<b>Sheboygan County</b> Plymouth	13	1522CST			0	0	?	?	<b>Hail (1.75)</b>
<b>Polk County</b> 1 SE Osceola	13	1740CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Dunn County</b> 4 W Sand Creek	13	1810CST			0	0	50K	?	<b>Thunderstorm Winds (G52)</b>
<b>Taylor County</b> Lubin	13	1915CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Clark County</b> Thorp	13	1915CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>WISCONSIN, Southeast Cont'd</b>									
<b>Trempealeau County</b> Osseo	13	1920CST			0	0	25K	?	<b>Thunderstorm Winds</b>
<b>Whitehall</b>	13	1930CST			0	0	25K	?	<b>Thunderstorm Winds</b>
<b>Blair</b>	13	1950CST			0	0	50K	?	<b>Thunderstorm Winds</b>
<b>Buffalo County</b> Cochrane	13	1930CST			0	0	?	?	<b>Hail (2.00)</b>
<b>Marathon County</b> 1 N Stratford	13	2010CST			0	0	?	?	<b>Thunderstorm Winds (G57)</b>
<b>Little Chicago</b>	13	2030CST			0	0	?	?	<b>Thunderstorm Winds (G57)</b>
<b>Wood County</b> Dexterville	13	2040CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Nekoosa</b>	13	2100CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Portage County</b> Linwood	13	2115CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Amherst</b>	13	2145CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Waupaca County</b> Waupaca	13	2200CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Waushara County</b> 5 S Wautoma	13	2220CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Menominee County</b> 10 N Keshena	13	2220CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>La Crosse County</b> Holmen	13	2350CST			0	0	?	?	<b>Thunderstorm Winds</b>
Severe thunderstorms thrashed west-central, central, and north-central Wisconsin with damaging winds, large hail up to two inches in diameter, and torrential rain Sunday evening. The violent winds with speeds of at least 65 mph blew over many large trees southeast of Osceola (Polk County); in the Sand Creek, Wilson, Grant, and Otter Creek townships of Dunn County (\$50 thousand damage to two barn roofs); in Lubin (Taylor County); in Thorp (Clark County); in Osseo, Whitehall and Blair, all in Trempealeau County (about \$100 thousand damage to homes and other buildings); in Dexterville and Nekoosa (Wood County); in Amherst (Portage County); south of Wautoma (Waushara County); 10 miles north of Keshena; and in Holmen (La Crosse County). The powerful thunderstorm winds also blew down power lines at Linwood (Portage County) and Waupaca (Waupaca County).									
<b>WIZ033-</b> <b>Trempealeau County</b> Arcadia	13 16	2000CST- 1400CST			0	0	?	?	<b>Flood</b>
<b>Monroe County</b> 3 N Tomah	14	0020CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Juneau County</b> 8 N Necedah	14	0020CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Deerfield</b>	14	0020CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Adams County</b> Big Flats	14	0027CST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Trempealeau County</b> Blair	14	0100CST			0	0	200K	?	<b>Flash Flood</b>
<b>Arcadia</b>	14	0100CST			0	0	200K	?	<b>Flash Flood</b>
<b>Jackson County</b> Hixton	14	0100CST			0	0	15K	?	<b>Flash Flood</b>



# Storm Data and Unusual Weather Phenomena

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Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
Taylor	14	0100CST			0	3	15K	?	Flash Flood
Waushara County	14	0200CST			0	0	?	?	Flash Flood
Saxeville	15	1000CST-			0	0	?	?	Flood
WIZ032-033- Buffalo and Trempealeau Counties Dodge Area	18	2000CST			0	0	?	?	Flood
<p>Severe thunderstorms continued to pummel west-central, central, and south-central Wisconsin with damaging winds and to excessive rainfall into the wee hours of Monday morning the 14th. The powerful winds toppled numerous large trees north of Tomah (Monroe County); north of Necedah and in Deerfield, both in Juneau County; and in Big Flats (Adams county). Rainfall amounts of five to seven inches occurred from Arcadia and Blair (Trempealeau County) to Taylor and Hixton (Jackson County). As a result, flash flooding along the Trempealeau River caused roads to wash out and turned small creeks into raging rivers. Three persons were injured near Taylor (Jackson County) when their car went into a washout. The Trempealeau River at Arcadia responded to the torrential rains of the 13th and 14th by cresting at 8.55 feet early on the 14th (flood stage is 6.5 feet). Eventually the flood waters worked their way down to the Dodge area on the Trempealeau River where it splits Buffalo and Trempealeau Counties. At Dodge the river crested at 10.60 feet early on the 16th (flood stage is 9 feet). Total damage in Jackson and Trempealeau Counties to homes, roads, and property was about \$430 thousand. Several strong thunderstorms with heavy rain trained across Waushara County during the evening of the 13th and the early morning hours of the 14th. The heavy rainfall caused flooding of 26 Road south of TT near Saxeville. A 100-foot stretch of road was under one foot of water. In addition, some water spilled over the top of the Saxeville dam.</p>									
Marquette County	14	0000CST			0	0	?	?	Thunderstorm Winds
5 NW Westfield	14	0125CST			0	0	?	?	Thunderstorm Winds
6 SE Glen Oak									
Green Lake County	14	0120CST			0	0	?	0	Hail (0.88)
Berlin									
<b>WISCONSIN, Southeast Cont'd</b>									
Waukesha County	14	0300CST			0	0	?	?	Lightning
Sussex									
<p>A line of severe thunderstorms moved across central Wisconsin and generated powerful winds and large hail. Many large tree limbs were knocked out of trees near Westfield and Glen Oak, both in Marquette County. An isolated thunderstorm's lightning bolt started a small fire in a Sussex (Waukesha County) home after knocking a two-foot square hole in a side wall.</p>									
Kenosha County	16	1450CST-			0	0	?	0	Urban Flood
Kenosha City	16	1600CST			0	0	?	0	Urban Flood
Paddock Lake	16	1580CST-			0	0	?	0	Flash Flood
	16	1700CST			0	0	?	0	Flash Flood
Marathon County	16	1500CST			0	0	?	?	Flash Flood
Rib Mountain									
Columbia County	16	1700CST-			0	0	?	0	Urban Flood
Portage	16	1830CST			0	0	?	0	Thunderstorm Winds
Sun Prairie	16	1700CST			0	0	?	0	Thunderstorm Winds
Sun Prairie	16	1706CST			0	0	?	0	Lightning
Jefferson County	16	1723CST			0	0	?	0	Thunderstorm Winds
Jefferson City	16	1830CST-			0	0	?	0	Flash Flood
3 NE Palmyra	16	2000CST			0	0	?	0	Flash Flood
Jefferson City	16	1815CST-			0	0	?	0	Urban Flood
	16	2000CST			0	0	?	0	Urban Flood
Dodge County	16	1730CST			0	0	?	0	Tornado (F0)
1 SW Reesville	16	1830CST-			0	0	?	0	Flash Flood
Juneau	16	1950CST			0	0	?	0	Flash Flood
3 S Waupan	16	1847CST			0	0	?	0	Lightning
Sauk County	16	1824CST			0	0	?	0	Tornado (F0)
4 W Lake Delton	16	1845CST-			0	0	?	0	Urban Flood
Lake Delton	16	1920CST			0	0	?	0	Urban Flood
Waukesha County	16	1830CST-			0	0	?	0	Flash Flood
Waukesha City	16	2200CST			0	0	?	0	Flash Flood
Walworth County	16	1745CST-			0	0	?	0	Flash Flood
Whitewater	16	1930CST			0	0	?	0	Flash Flood

Mid-tropospheric warm air advection, a short wave, and deep tropical moisture combined to produce severe weather, or flash flooding, and/or urban flooding over parts of central, southern, and southeast Wisconsin. A brief deluge near the town of Rib Mountain dropped over two inches of rain. Water running off the rugged terrain of Rib Mountain (1,940 feet high and about 500 feet above the surround terrain) caused flash flooding in the nearby neighborhoods. More than a dozen basements were flooded and water ran across U.S. Highway 51 for several hours. Torrential rains ("once in a life time") of 4.5 inches in only 45 minutes resulted in flash flooding in and around Paddock Lake (Kenosha County). Several culverts and road shoulders were washed out in Paddock Lake as man hole covers shot three feet into the air. Streets became raging torrents. The nearby Fox River rose several feet in a few hours and eventually overflowed its banks the next day. Intense rains also resulted in urban flooding of streets and underpasses in the city of Kenosha (Kenosha County), in Portage and Wisconsin Dells (Columbia County), in Sun Prairie (Dane County), in the city of Jefferson (Jefferson County), and in Lake Delton (Sauk County). Torrential rains of three inches in 30 minutes resulted in flash flooding of farm fields and roads northeast of Palmyra (Jefferson County). Water in this area was running at least a couple feet deep and washed portions of some farm fields. Likewise, torrential rains in and around Juneau resulted in flash flooding around Juneau where the water ran over roads at a depth of two to three feet. Similar rainfalls caused flash flooding in Whitewater (Walworth County), where water rose to a depth of eight feet in low lying areas and flooded many basements. The flash flooding forced evacuation of a retirement home, and also forced a home's basement walls to collapse. Flash flooding also hit the city of Waukesha (Waukesha County) where 2.5 inches of rain fell in less than one hour. In this city, water ran three feet deep in some streets. Some gravel washouts of road shoulders were reported around the

# Storm Data and Unusual Weather Phenomena

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Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<p>city. Residents remarked that they never saw it so bad. Two weak tornadoes briefly "spun up" as the result of merging gust front/outflow boundaries. One tornado (gustnado) briefly spun up .2 miles southwest of Reesville (Dodge County) and damaged or destroyed a barn and several out-buildings of a retired fire chief's farm. The rear porch was totaled and roof shingles were torn off his home. A corn field was also flattened. The other weak tornado (gustnado) briefly spun up and tore up trees in a 50-yard circular area about four miles west of Lake Delton (Sauk County). Elsewhere, quick-hitting wet microbursts developed violent winds which toppled many trees southwest of Columbus (Columbia County), in Sun Prairie (Dane County), and in the city of Jefferson (Jefferson County).</p>									
<b>WIZ072- Kenosha County New Munster</b>	<b>17 18</b>	<b>1900CST- 1800CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood</b>
<p>The Fox River at New Munster (Kenosha County) rose slightly over flood stage thanks to the runoff from heavy rains and flash flooding that took place in Waukesha County on August 16th. The river crested at 10.32 feet (10 foot is flood stage) at 1000CST on the 18th. Flooding was confined to low agricultural land near the river.</p>									
<b>Burnett County Webster</b>	<b>18</b>	<b>2330CST</b>			<b>0</b>	<b>0</b>	<b>250K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
<p>An isolated severe thunderstorm produced awicked wet microburst whose violent winds and large hail did considerable damage in Webster (about \$250 thousand). Twenty homes and four businesses sustained window and roof damage from the winds and large hail. Two-by-fours were driven through a roof of a house, and many power lines were toppled. Some cars were damaged in Webster by hail three inches in diameter. The hail was described as the size of "billiard balls".</p>									
<b>WISCONSIN, Southeast Cont'd</b>									
<b>Washburn County</b>									
Minong	19	0000CST			0	0	?	0	Thunderstorm Winds
Shell Lake	19	0000CST			0	0	?	0	Thunderstorm Winds
<b>Barron County</b>									
Turtle Lake	19	0010CST			0	0	?	0	Thunderstorm Winds (G52)
<b>Adams County</b>									
3 S Adams	19	0020CST			0	0	10K	?	Thunderstorm Winds
4 E Friendship	19	0035CST			0	0	8K	?	Thunderstorm Winds
<b>Sawyer County</b>									
5N Hayward	19	0038CST			0	0	?	0	Thunderstorm Winds
<b>Dunn County</b>									
Menomonie	19	0045CST			0	0	?	0	Thunderstorm Winds
<b>Monroe County</b>									
Tomah	19	0500CST			0	0	?	?	Urban Flood
<b>Columbia County</b>									
Portage	19 19	0800CST- 1200CST-			0	0	?	0	Urban Flood
<b>Waukesha County</b>									
Hartland	19	0835CST			1	0	0	0	Lightning
Muskego	19	1020CST			0	1	0	0	Lightning
Waukesha	19 19	1100CST- 1400CST			0	0	?	0	Urban Flood
Waukesha	19	1115CST			0	0	0	0	Lightning
<b>Juneau County</b>									
Cutler	19	0900CST			0	0	?	?	Flash Flood
<p>Several rounds of scattered thunderstorms with powerful winds, and very heavy rains affected parts of northern, central and southeast Wisconsin. The violent thunderstorm winds blew down many large trees in Turtle Lake (Barron County); in Minong and Shell Lake (Washburn County); north of Hayward (Sawyer County); in Menomonie (Dunn County); and east of the villages of Adams and Friendship (Adams County). A few hours later, thunderstorms dropped two to six inches of rain on parts of west-central and south-central Wisconsin. Hardest hit was the Tomah area (Monroe County) which had flooded basements and number of closed streets due to high water. Also, a rain swollen cranberry marsh reservoir near Cutler (Juneau County) burst, flooding 180 acres of adjoining cranberry bogs. The floodwater sent a two-foot cascade of water over nearby Highway 21 breaking away the south edge and shoulder of the road. The highway was closed most of the week for repairs. Lightning struck and killed a 35-year-old woman outside of her Hartland (Waukesha County) home. Lightning also struck and injured a Muskego (Waukesha County) fireman who was treated and released from a local hospital. Intense rains of 2.4 inches in less than an hour resulted in urban flooding in Portage (Columbia County), where water was three-feet deep in low spots. More than three inches of rain in about three hours created another round of urban flooding in the city of Waukesha (Waukesha County). Several homes were hit by lightning in the city of Waukesha, but no fires were reported. Waukesha County (WIZ065) F35OU.</p>									
<b>WIZ072- Kenosha County New Munster</b>	<b>20 22</b>	<b>1000CST- 0500CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood</b>
<p>The Fox River at New Munster (Kenosha County) once again rose slightly over flood stage thanks to the runoff from heavy rains and urban flooding that took place in Waukesha County on August 19th. The river crested at 10.31 feet (10 foot is flood stage) at 0500 CST on the 21st. Flooding was confined to low agricultural land near the river.</p>									
<b>WIZ033- Trempealeau County Galesville</b>	<b>22</b>	<b>0000CST- 1300CST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>	<b>Flood</b>
<p>Repeated rounds of thunderstorms with heavy rains in the Black River basin pushed the water level at Galesville (Trempealeau County) slightly over flood stage which is 12 feet. At this location the river crested at 12.11 feet at 0700 CST on the 22nd. Flooding was confined to low land near the river.</p>									
<b>Manitowoc County</b>									
Manitowoc	23	1850CST			0	0	?	?	Thunderstorm winds
<b>Winnebago County</b>									
Oshkosh	23	1945CST			0	0	?	?	Thunderstorm winds
<p>Isolated strong thunderstorms blew trees down in Manitowoc (Manitowoc County), with one of them falling onto a car. The powerful winds also felled trees and power lines in Oshkosh (Winnebago County).</p>									
<b>Price County</b>									
9 E Phillips	28	0233CST			0	0	?	0	Thunderstorm Winds

# Storm Data and Unusual Weather Phenomena

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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>Oneida County</b>									
2 W Tripoli	28	0250CST			0	0	?	?	Thunderstorm Winds
<b>Lincoln County</b>									
12 W Tomahawk	28	0310CST			0	0	?	?	Thunderstorm Winds
Merrill	28	0340CST			0	0	?	?	Thunderstorm Winds (G52)
E Merrill	28	0400CST			0	0	?	?	Thunderstorm Winds
10SE Merrill	28	0415CST			0	0	?	?	Lightning
<b>Taylor County</b>									
Rib Lake	28	0350CST			0	0	?	?	Thunderstorm Winds
2 SE Rib lake	28	0400CST			0	0	?	0	Flash Flood
<b>Marathon County</b>									
Hamburg	28	0405CST			0	0	?	?	Hail (1.00)
Wausau	28	0415CST			0	0	?	?	Thunderstorm Winds

## WISCONSIN, Southeast Cont'd

<b>Oconto County</b>									
Oconto	28	0530CST			0	0	?	?	Thunderstorm Winds
<b>Waupaca County</b>									
Waupaca	28	0600CST			0	0	30K	?	Lightning
Waupaca	28	0600CST			0	0	?	?	Thunderstorm Winds
<b>Outagamie County</b>									
Hortonville	28	0600CST			0	0	?	?	Lightning
Appleton	28	0704CST			0	0	?	?	Lightning
<b>Green Lake County</b>									
Berlin	28	0620CST			0	0	160K	0	Thunderstorm Winds (G65)
<b>Fond du Lac County</b>									
Ripen	28	0630CST			0	0	?	0	Thunderstorm Winds
Brandon	28	0640CST			0	0	?	0	Lightning
<b>Winnebago County</b>									
Oshkosh	28	0635CST			0	0	175K	50K	Thunderstorm Winds (G57)
Menasha	28	0645CST			0	0	?	?	Lightning
Oshkosh	28	0652CST			0	0	1K	?	Thunderstorm Winds
<b>Marquette County</b>									
Westfield	28	0720CST			0	0	?	0	Thunderstorm Winds
<b>Washington County</b>									
Kewaukum	28	0735CST			0	0	?	0	Thunderstorm Winds
St Lawrence	28	0739CST			0	0	?	0	Lightning
Germantown	28	0572CST			0	0	?	?	Thunderstorm Winds
Germantown	28	0800CST			0	1	?	?	Lightning
<b>Ozaukee County</b>									
Port Washington	28	0800CST			0	0	?	?	Lightning
Port Washington to Grafton	28	0825CST-1000CST			0	0	?	?	Urban Flood
<b>Waukesha County</b>									
Hartland	28	0828CST			0	0	?	?	Hail (0.75)
Butler	28	0835CST			0	0	?	?	Thunderstorm Winds
Muckwanago	28	0840CST			0	0	?	?	Thunderstorm Winds
<b>Milwaukee County</b>									
River Hills	28	0830CST			0	0	?	?	Thunderstorm Winds
Milwaukee City	28	0835CST-1200CST			0	0	?	0	Urban Flood
Milwaukee Airport	28	0843CST			0	0	?	0	Thunderstorm Winds (G52)
<b>Jefferson County</b>									
Cambridge	28	0830CST			0	0	11K	?	Lightning
Watertown	28	0835CST			0	0	?	0	Thunderstorm Winds
Ft. Atkinson	28	0845CST			0	0	?	?	Thunderstorm Winds
2 NW Ft. Atkinson	28	0845CST			0	0	?	?	Lightning
<b>Rock County</b>									
1 S Milton	28	0840CST			0	0	?	?	Thunderstorm Winds
<b>Walworth County</b>									
Whitewater	28	0840CST			0	0	?	?	Thunderstorm Winds
Elkhorn	28	0850CST			0	0	?	?	Thunderstorm Winds
Genoa City	28	0910CST			0	0	?	?	Thunderstorm Winds
<b>Racine County</b>									
2 N Caledonia	28	0900CST			0	0	?	?	Thunderstorm Winds
Racine	28	0911CST			0	0	100K	0	Thunderstorm Winds (G73)
Racine	28	0915CST			0	0	?	0	Lightning
<b>Kenosha County</b>									
5 N Kenosha	28	0925CST			0	0	?	?	Thunderstorm Winds

A fast moving squall line, originating in Northeast Minnesota, pumpled a good part of the eastern two-thirds of Wisconsin with some of the wildest weather seen in 10 years. Feeding on deep tropical moisture, the squall line generated violent winds, hail, lightning, and torrential rainfalls that flooded urban areas. Downed powerlines cut off power to some 140,000 residents at one time or another. In Price County east of Phillips the winds toppled large trees, some which fell on the roofs of homes. Hail up to 1.25 inches in diameter also fell east of Phillips. Large trees were felled west of Tripoli (Oneida County). The powerful winds toppled large trees and/or power lines in Tomahawk, Merrill, and southeast of Merrill, all in Marathon county. Also, two barns were flattened by the intense winds east of Merrill. The violent winds toppled large trees and power lines in Rib Lake (Taylor County). Four inches of rain in one hour resulted in flash flooding which washed out County Highway C south of State Highway 102 near Rib Lake. The extreme winds blew down large trees around Wausau (Marathon County), as well as in Oconto (Oconto County). A lightning strike killed 19 head of cattle near Waupaca (Waupaca County), worth about \$30 thousand, as the associated powerful winds blew trees down around Waupaca. Lightning also did some minor fire damage to a homer in Hortonville (Outagamie County). Further south, a severe microburst's 75 mph winds did considerable tree and building damage (\$160 thousand) in Berlin (Green Lake County). This storm appeared to have developed quickly just north of Berlin, and dumped

# Storm Data and Unusual Weather Phenomena

August 1995

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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two inches of rain in just 20 minutes. The storms generated wind gusts to 65 mph as they moved into Winnebago County around Oshkosh. Numerous trees and large limbs were knocked down causing minor damage to 17 homes. Telephone and power lines were also blown down. At the Experimental Aircraft Association museum in Oshkosh a light plane was blown into a window. Lightning strikes did some minor fire damage to a home in Menasha (Winnebago County), and a home in Appleton (Outagamie County). Total damage in Winnebago County was estimated at about \$226 thousand. Numerous large tree branches were torn out of trees in Westfield (Marquette County). Powerful winds toppled trees in Ripon (Fond du Lac County) where a home under construction was damaged. Ripon also had urban flooding due to 1.5 inches of rain in less than 30 minutes. Lightning started a fire which damaged a home in Brandon. As the squall

## WISCONSIN, Southeast Cont'd

line moved south, it's violent winds blew over numerous trees in the Kewauskum/West Bend area, as well in Germantown, all in Washington County. In this same county, thunderstorm winds blew a barn down north of Allenton. Lightning struck a substation near St. Lawrence, while intense rains of 1.95 inches in less than one hour created urban flooding in West Bend, both in Washington County. In Ozaukee County, urban flooding took place in the Port Washington to Grafton area thanks to 2.25 inches of rain in less than 40 minutes, while lightning damaged a middle school in Port Washington. Further west, the squall line's severe winds toppled large trees in Watertown, and in the city of Jefferson to Fort Atkinson area, all in Jefferson County. Lightning killed eight cows (\$11 thousand) on a farm near Cambridge, as well as started a fire which severely damaged a barn northwest of Fort Atkinson, both in Jefferson County. Waukesha County was raked hard as powerful winds toppled many large trees in Butler and Muckwanago, as well as at scattered points in between. Another group of intense wet microbursts tore through Milwaukee County and left a trail of damage over many parts of the county as winds gusted to at least 60 mph. Hundreds of trees were toppled from River Hills in the north part of Milwaukee County to Oak Creek in the southeast corner. Some schools in the county sustained window damage. Widespread urban flooding was reported throughout the city of Milwaukee. At least 600 basements flooded, as well as numerous underpasses, thanks to rains up to 1.75 inches in 30 minutes. In downtown Milwaukee, the rainfall rate was estimated to be six inches per hour, at one point, although it lasted only a few minutes. Meanwhile, further southwest, violent winds toppled large trees south of Milton (Rock County). Urban flooding was reported in Beloit thanks to the intense rains. Large trees were blown over by powerful winds in Whitewater, around Elkhorn, and in Genoa City, all in Walworth County. A roof was torn off a feeder building in Genoa City, and some siding of a home in Whitewater was ripped off by the thunderstorm winds. The squall line took the shape of a bow echo as it tore through Racine County where hundreds of trees were toppled in the Caledonia to Racine area. Measured gusts at the Racine Yacht Club reached 84 mph as windows were blown out of downtown buildings. Urban flooding occurred in the city of Racine due to the torrential rains. A business park in Racine sustained major damage to its buildings. Damage in the City of Racine was estimated at about \$100 thousand. A lightning bolt damaged computers in the Racine Department of Transportation Emission building. As the squall line exited Wisconsin, it's severe winds toppled large trees around a golf course in northeastern Kenosha County.

<b>Grant County</b>									
Boscobel	28	1755CST			0	0	?	?	Thunderstorm Winds
<b>Richland County</b>									
Richland Center	28	1808CST			0	0	?	?	Thunderstorm Winds
<b>Sauk County</b>									
Spring Green	28	1840CST			0	0	?	?	Thunderstorm Winds
<b>Racine County</b>									
Burlington	28	2118CST			0	0	?	?	Thunderstorm Winds
Union Grove	28	2125CST			0	0	?	?	Thunderstorm Winds
<b>Kenosha County</b>									
Salem	28	2125CST			0	0	?	?	Thunderstorm Winds

Scattered severe thunderstorms moved east across southern Wisconsin during the evening hours of the 28th. Powerful winds knocked over large trees and power lines in Boscobel (Grant County), and Richland Center (Richland County). Another storm developed intense winds which knocked down many large limbs out of trees in the Wisconsin River Valley near Spring Green (Sauk County). This storm weakened as it moved east but re-intensified as it's powerful winds toppled large trees or broke large branches around Burlington and Union in Racine County, and around Salem (Kenosha County).

<b>Waushara County</b>									
Mount Morris	29-31	1600CST-0800CST			0	0	45K	?	Flash Flood/Flood

The Mount Morris Dam failed due to unusually heavy rainfall. Failure of the dam resulted in the flooding of Little Rattlesnake and Willow Creeks. Portions of State Highway 152 were undermined, a bridge was washed out, and a 40 ton crane and a compressor fell into the flood waters. In addition, part of the foundation of a nearby home was damaged. The ensuing flood waters forced the temporary closure of several county roads. The flood waters receded by the morning of the 31st.

<b>Columbia County</b>									
1.5NE Lodi	30	0200CST			0	0	75K	0	Lightning

A thunderstorm's lightning bolt struck and killed nine cattle on a farm in Lodi Township, and disrupted electrical power for several hours.

## WISCONSIN, Western

<b>Pierce County</b>									
Plum City	06	1415CST			0	0	?	?	Heavy Rain

Five inch rainfall resulted in mud slides on County Highway A.

<b>WIZ023&gt;025-027-028</b>									
Portions of West Central	11-14	0800CST-0600CST			0	0	?	?	Heavy Rain

Thunderstorms tracked across west central Wisconsin, on the 11th, 12th and 13th resulting in flooding and road washouts. The town of Baldwin in St. Croix County received over four and one-half inches of rain during the period. Scattered mud and rock slides reported in Pierce County on the 13th.

<b>Polk County</b>									
2 NE Osceola	12	0300CST			0	0	?	?	Thunderstorm Winds Hail (1.75)

Two mobile homes damaged from falling tree limbs. A barn was destroyed. Numerous trees down and a haywagon was overturned.

<b>1 S Amery</b>									
	12	0310CST			0	0	?	?	Hail (2.50)

Shed and grain bin damage near Black Brook Dam.

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>WISCONSIN, Western Cont'd</b>									
<b>Chippewa County</b>									
10 W Chippewa Falls	12	0835CST			0	0	?	?	Hail (1.75)
Chippewa Falls	12	0855CST			0	0	?	?	Hail (1.00)
<b>St. Croix County</b>									
Maiden Rock	12	2032CST			0	0	?	?	Thunderstorm Winds
Three to six inch diameter tree branches down.									
<b>Pepin County</b>									
Durand	12	2100CST			0	0	?	?	Thunderstorm Winds
Several large trees knocked down.									
<b>Eau Claire County</b>									
4 W Eau Claire	12	2109CST			0	0	?	0	Thunderstorm Winds
A tractor-semitrailer was blown off the interstate highway. Trees were damaged.									
<b>Chippewa County</b>									
Hallie	13	0222CST			0	0	?	0	Thunderstorm Winds
Police department radio transmission tower blown over onto roof.									
<b>Polk County</b>									
1 SE Osceola	13	1740CST			0	0	?	?	Thunderstorm Winds
Two large trees down.									
<b>Dunn County</b>									
4 W Sand Creek	13	1810CST			0	0	50K	?	Thunderstorm Winds (G52)
Roof damage to two barns. Trees down across Sand Creek, Wilson, Grant and Otter Creek townships.									
<b>Barron County</b>									
Turtle Lake	19	0010CST			0	0	?	0	Thunderstorm Winds (G52)
<b>Dunn County</b>									
Menomonie	19	0045CST			0	0	?	0	Thunderstorm Winds
Trees and power lines down.									
<b>WYOMING</b>									
<b>Carbon County</b>									
Hanna	02	1600MST			0	0	.5K	0	Thunderstorm Winds
Thunderstorm winds damaged a shed and broke some windows in Hanna.									
<b>Campbell County</b>									
Weston	03	1750MST			0	0	0	0	Hail (1.75)
	03	1820MST			0	0	0	0	Hail (1.75)
<b>Weston County</b>									
Osage	04	1600MST			0	0	0	0	Hail (0.75)
Three-quarter inch diameter fell in Osage, damaging plants flowers.									
<b>Niobrara County</b>									
Lusk	04	1900MST			0	0	0	0	Hail (0.75)
Three-quarter inch diameter hail was piled to a depth of 3 inches in Lusk.									
<b>Sweetwater County</b>									
	06	1300MST			0	0	0	0	Lightning
	06	1500MST			0	0	0	0	Lightning
Lightning started a 300 acre fire, twenty miles south of Rock Springs.									
<b>Johnson County</b>									
Buffalo	07	1258MST			0	0	0	0	Thunderstorm Winds (G58)
<b>Washakie County</b>									
Worland	10	1730MST			0	0	.2K	0	Thunderstorm Winds
	10	1800MST			0	0	0	0	Thunderstorm Winds
Thunderstorm winds blew down trees and limbs and tangled some power lines in tree branches around Worland.									
<b>Laramie County</b>									
Cheyenne	11	1455MST			0	0	0	0	Thunderstorm Winds (G50)
Thunderstorm winds broke a three inch diameter tree in Cheyenne.									
<b>Sweetwater County</b>									
	22	1400MST			0	0	1K	0	Flash Flooding
	22	1500MST			0	0	0	0	Flash Flooding
Thunderstorms produced heavy rain in Dead Horse Canyon. The rainfall caused minor flooding in Rock Springs. In addition, lightning from the thunderstorms knocked outpower to a part of Rock Springs, including the airport, for two and one-half hours.									
<b>Campbell County</b>									
	25	1750MST			0	0	0	0	Hail (1.75)
One and three-quarter inch diameter hail fell 12 miles to the southwest of Gillette.									
<b>Converse County</b>									
	25	1800MST			0	0	0	0	Hail (0.75)
	25	1815MST			0	0	0	0	Hail (0.75)
Thunderstorms produced three-quarter inch diameter hail to a depth of several inches in a five mile path along Interstate 2 between Douglas and Orin Junction.									
<b>Converse County</b>									
	25	1830MST			0	0	0	0	Hail (0.75)
<b>WYOMING Cont'd</b>									
<b>Platte County</b>									
	25	2200MST			0	0	10K	0	Flash Flooding
Heavy rainfall from thunderstorms produced flash flooding between Orin Junction and Glendo.Two miles north of Glendo,									

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
water was over the Interstate to a depth of a foot. In addition, the water over the Interstate caused two accidents.									
<b>Campbell County</b>	<b>25</b>	<b>1947MST</b>			<b>0</b>	<b>0</b>	<b>.1K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Thunderstorm winds uprooted several trees and bent a flagpole, twenty miles south of Gillette.
<b>Platte County Glendo</b>	<b>25</b>	<b>1955MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
<b>Platte County</b>	<b>25</b>	<b>2200MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.75)</b>
									One and three-quarter inch diameter hail fell fifteen miles north of Wheatland.
<b>ALASKA, Northern</b>									
									None reported.
<b>ALASKA, Southern</b>									
<b>Ak Pen Ern Aleutians</b>									
	<b>8- 10</b>		<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>			<b>High Winds</b>
									A vigorous low developed south of Amchitka late Monday (8/7), moving to about 100 miles northwest of Cold Bay as a 1000mb center late Tuesday (8/8). The low then continued northeast to near Togiak (along the northern Bristol Bay shore) Wednesday morning (8/9) then inland and slowly dissipated. A second low developed along the Gulf of Alaska portion of the front as around a 1000mb center, moving to about 120 miles south of Cape Yakataga late Thursday afternoon (8/10). In advance of the low, wind gusted to 53 mph at Cold Bay. Behind the low, winds between 40 and 45 mph were reported at Dutch Harbor, Cold Bay and Kodiak.
<b>Ak Pen Ern Aleutians</b>									
	<b>10- 12</b>		<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>			<b>High Winds</b>
									A 993mb low east of Adak at 1600 Thursday (8/10) moved just west of Nunivak Island as a 984mb center late Friday (8/11) where it remained nearly stationary and slowly weakened. Ahead of the low, southeast wind gusted in excess of 40 mph at Cold Bay both days...48 mph on Thursday (8/10) and 45 mph on Friday (8/11). Behind the low, westerly winds reached 41 mph at Dutch Harbor on Saturday (8/12).
<b>Cold Bay</b>	<b>13</b>		<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>			<b>High Winds</b>
									A weak trough passing southeastward through the area brought wind gusts close to 40 mph.
<b>St Paul Island</b>	<b>20</b>		<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>			<b>Record High</b>
									New record...60. Broke old record 56 set in 1979.
<b>Cold Bay</b>	<b>26</b>		<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>			<b>High Winds</b>
									A moderate weather front, located just west of Dutch Harbor at 1600 Saturday (8/26) moved by Cold Bay at 0400 Sunday (8/27). The low associated with this front deepened to around 987mbs late Saturday moved by Saint Paul Island around midnight...then moved to the entrance of Kuskokwim Bay where it began to weaken late Sunday (8/28). Winds gusted 50 mph at Cold Bay late Saturday.
<b>Aleutians Southwest Ak</b>									
	<b>28- 29</b>		<b>0</b>	<b>0</b>	<b>?</b>	<b>?</b>			<b>High Winds</b>
									A deepening low moved by Amchitka Island (central Aleutians) early Monday (8/28), continuing north into the central Bering Sea as a 979mb center Tuesday morning (8/29). The front associated with this system moved north and east, to a line from Saint Matthew Island to Nunivak Island to Cold Bay at 1000 Tuesday, continuing north and east but weakening thereafter. Winds reached 50 mph at Adak on Monday. On Tuesday, winds gusted to 45 mph at both Port Heiden and Cold Bay, and 41 mph at Cape Newenham. Additionally, ship reports around the low indicated winds from 40 to 55 mph both days.
<b>ALASKA, Southeastern</b>									
									No report received.
<b>HAWAII</b>									
<b>Oahu HIZ002</b>									
	<b>1-31</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>Excessive Heat</b>
									Four new daily record high temperatures were established, five daily record highs were tied, and three new record high minimums occurred at Honolulu International Airport.
<b>PACIFIC</b>									
									None reported.
<b>PUERTO RICO</b>									
<b>Toa Alta</b>									
	<b>03</b>	<b>0519AST</b>			<b>0</b>	<b>0</b>	<b>7K</b>	<b>0</b>	<b>Lightning</b>
									Lightning struck a concrete house at Barrio Ortiz, Road 827, damaging the roof. Sections of the roof fell into one of the bedrooms but nobody was injured.
<b>PRZ001- PRZ002-</b>									
	<b>03</b>	<b>AM</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Strong gusty winds knocked down trees and power lines in Arecibo, Bayamon, Carolina and Humacao.
<b>PUERTO RICO Cont'd</b>									
<b>PRZ001-</b>									
	<b>12</b>	<b>PM</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heavy Surf</b>
									Easterly swells generated by Hurricane Felix affected the north coast producing breakers between eight to 12 feet. Some minor coastal flooding occurred at Catano.
<b>Catano</b>	<b>17</b>	<b>1635AST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>0</b>	<b>Lightning</b>
									Lightning struck three power towers. One pole and several power transmitters were damaged.
<b>Fajardo</b>	<b>18</b>	<b>0730AST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Urban Flood</b>

# Storm Data and Unusual Weather Phenomena

August 1995

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
									Road 194 near Rio Fajardo was reported impassable. Municipal Civil Defense reported 3.10 inches of rain since 0400AST.
<b>Fajardo</b>	<b>18</b>	<b>0808AST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Floods</b>
									Streams overflowed their banks flooding roads.
<b>Gurabo</b>	<b>18</b>	<b>PM</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Floods</b>
									A small stream overflowed its banks at the Habichuela and Rabo del Buey sector. Gurabo river was reported swollen at Road 811.
<b>Lajas</b>	<b>18</b>	<b>1850AST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G40)</b>
									Winds gusting to 40 knots were reported at the Aerostat site.
<b>Aguas Buenas</b>	<b>18</b>	<b>2005AST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Landslide</b>
									Two landslides were reported at Aguas Buenas. One on Road 156 km. 46.7 and the other on Road 173. Over two inches of rain fell in one hour ending at 2000AST.
<b>Trujillo Alto</b>	<b>18</b>	<b>2100AST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heavy Rain</b>
									Carraizo water reservoir flood gates were opened.
<b>Juncos</b>	<b>18</b>	<b>PM</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heavy Rain</b>
									Road flooding and landslides were reported in the municipality. A downed tree was reported along Road 30 from Juncos to Gurabo.
<b>Gurabo</b>	<b>19</b>	<b>PM</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heavy Rain</b>
									A small stream went out of its banks at the Habichuela sector.
<b>Lajas</b>	<b>19</b>	<b>0930AST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds (G35)</b>
									Heavy rains and gusty winds were reported.
<b>Lajas</b>	<b>19</b>	<b>1551AST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									A downed tree was reported along Road 392, Cerro Alto sector.
<b>Cabo Rojo</b>	<b>19</b>	<b>PM</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Downed power lines and tree branches were reported by Civil Defense.
<b>Mayaguez</b>	<b>19</b>	<b>PM</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Downed power lines and a tree were reported along Road 102, Barrio Algarrobo.
<b>Ponce</b>	<b>19</b>	<b>PM</b>			<b>0</b>	<b>0</b>	<b>3K</b>	<b>0</b>	<b>Urban Flood</b>
									A house was reported flooded at along Road 10, Puerto Viejo sector.
<b>Villalba</b>	<b>19</b>	<b>1545AST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heavy Rain</b>
									Lake Guayabal was reported close to overflowing.
<b>PRZ004-</b>	<b>21</b>	<b>1315AST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspout</b>
									A waterspout was reported west of Aguada moving west around 15 mph.
<b>Maricao</b>	<b>21</b>	<b>PM</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heavy Rain</b>
									Near four inches of rain fell in Maricao causing a landslide along Road 120, Km. 18.2.
<b>Vega Baja</b>	<b>24</b>	<b>PM</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heavy Rain</b>
									Flooding was reported at the Autopista near the Almirante sector.
<b>Toa Alta</b>	<b>31</b>	<b>PM</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Winds</b>
									Downed trees fell on power lines along Roads 165, 823 and 804.
<b>Trujillo</b>	<b>31</b>	<b>PM</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Heavy Rain</b>
									Two small rivers were reported out of their banks along Road 181, Intersection 852. Elderly residents were relocated.
<b>VIRGIN ISLANDS</b>									
<b>PRZ006-</b>	<b>06</b>	<b>AM</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Urban Flood</b>
									A small stream overflowed and caused minor road and street flooding.
<b>PRZ006-</b>	<b>14</b>	<b>1616AST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Waterspouts</b>
									Two pilots reported two separate waterspouts. One was located six miles south of St. Thomas and the other 16 miles south.

**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.

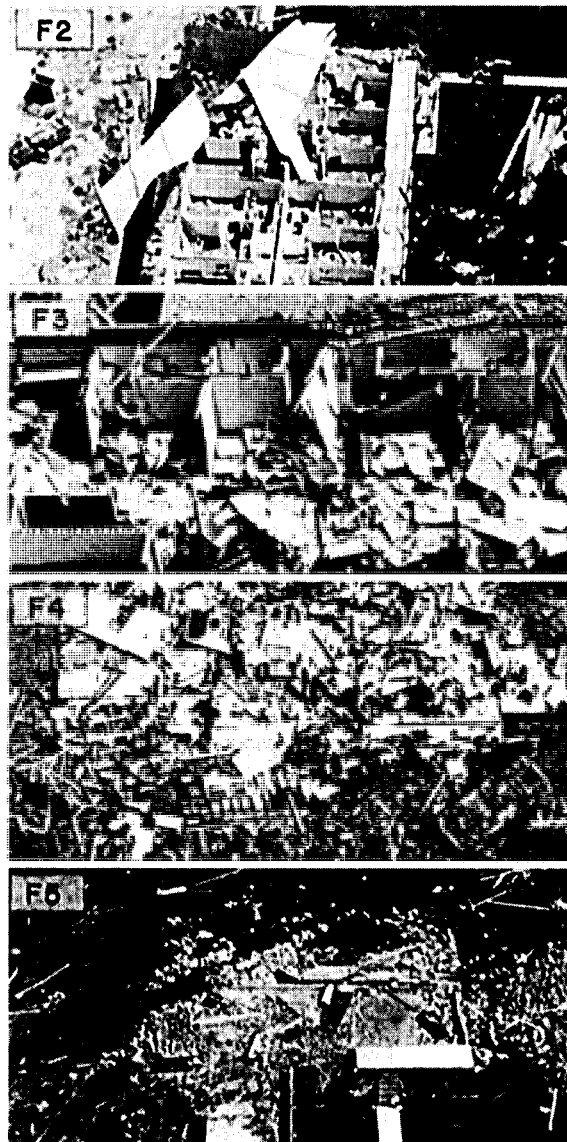
(F3) Severe tornado (158-206 mph): Severe damage  
Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.

(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.

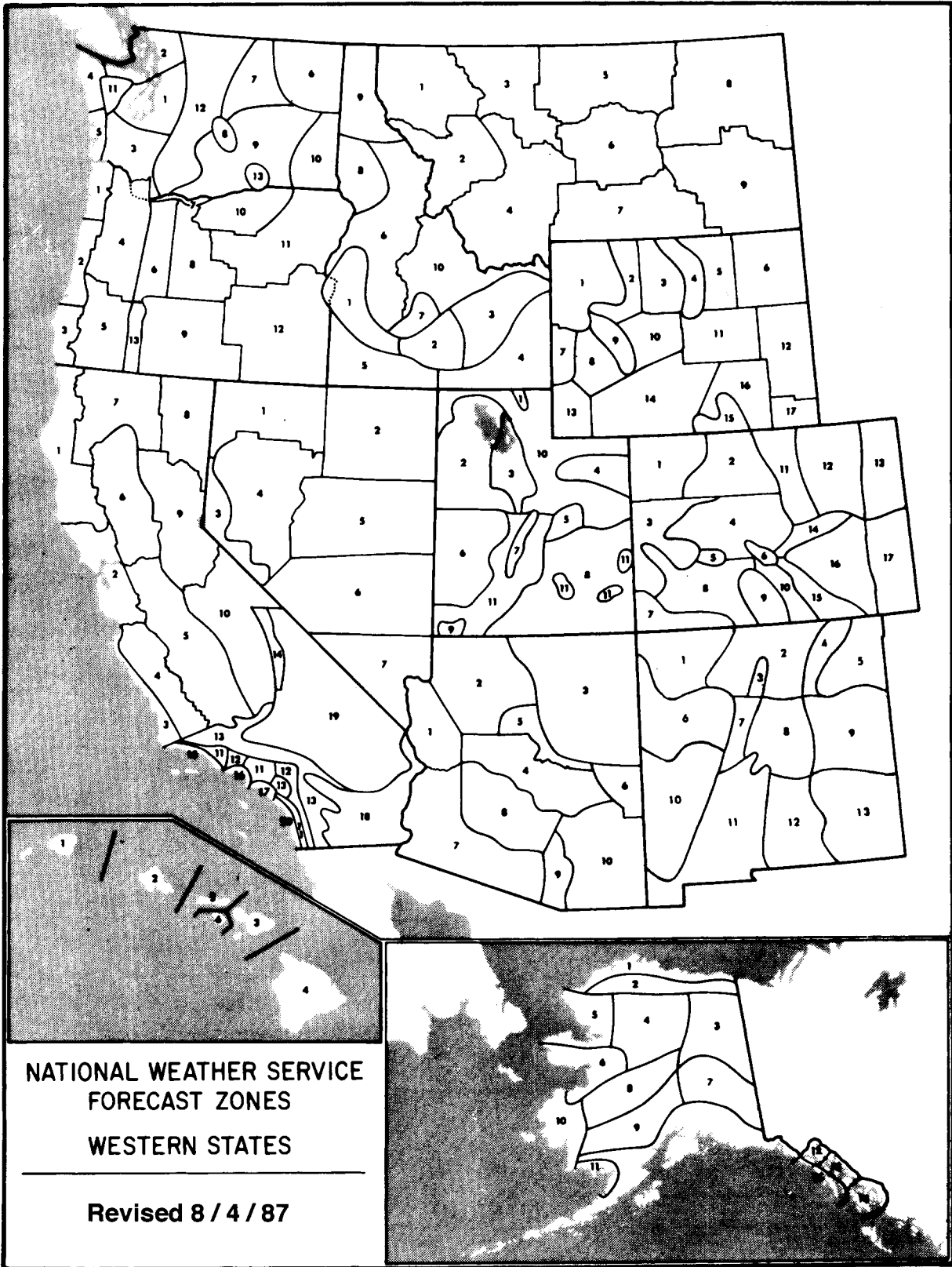
(F6-F12) (319 mph to Mach 1, the speed of sound):  
The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

- 
- (F0+F1) *Weak Tornado*
  - (F2+F3) *Strong Tornado*
  - (F4+F5) *Violent Tornado*
- 

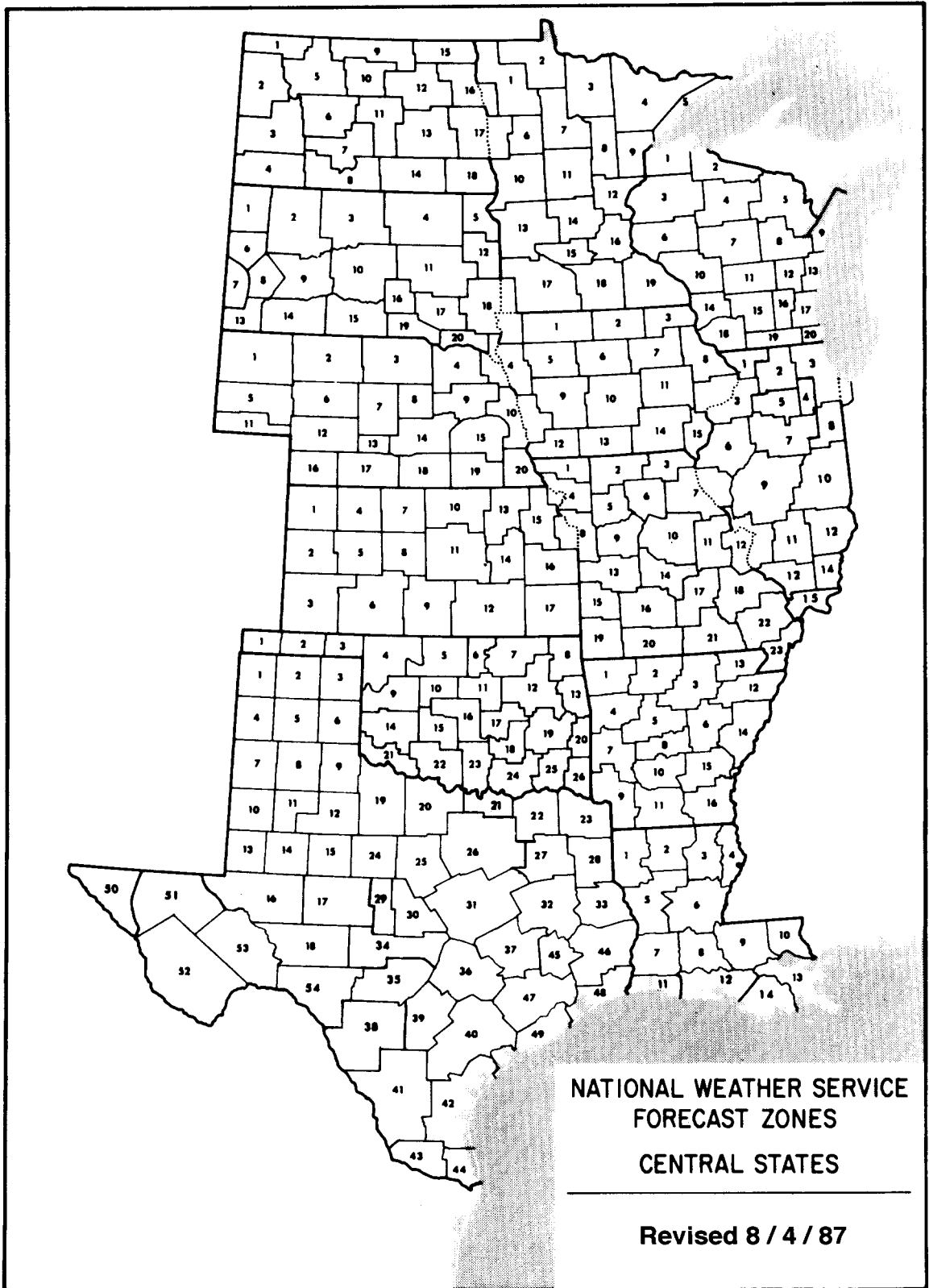


From J. Atmos. Sci., August 1981, p. 1517-1519

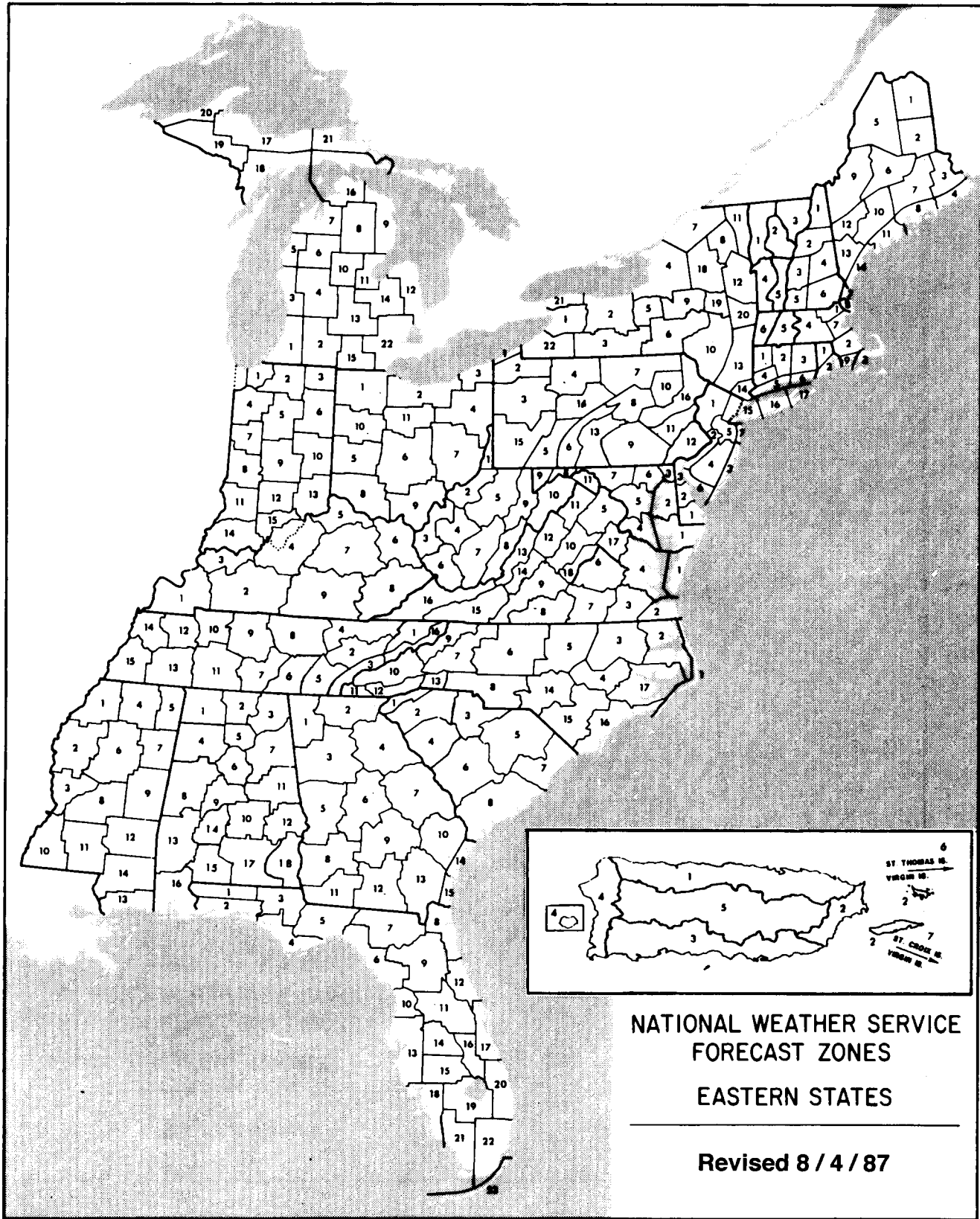




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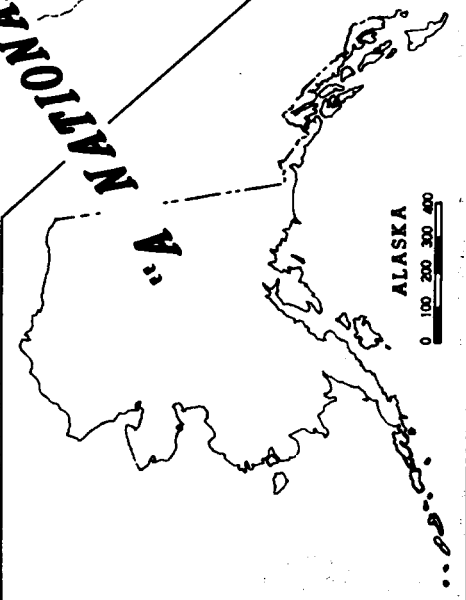
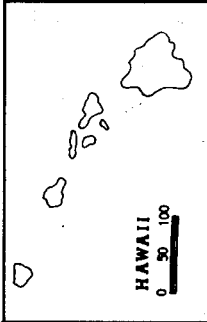
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# CLIMATOLOGICAL DATA ANNUAL SUMMARY PENNSYLVANIA 1987

ISSN 0364-5843

VOLUME 92 NUMBER 13



IF THIS IS AN OCEANIC AND ATMOSPHERIC DATA CENTER.

**CLIMATOLOGICAL DATA** is a unique source of weather information derived from data collected by over 8,000 cooperative weather observers located throughout the United States, Puerto Rico, the Virgin Islands, and U. S. Pacific Islands. It is published monthly, with an Annual Summary, for each State or combination of States/Areas by the National Climatic Data Center, Asheville, North Carolina.

- \* **MONTHLY** editions contain:
  - Temperature and precipitation extremes and summarized data.
  - Daily precipitation, maximum and minimum temperatures, snowfall, soil temperatures, and evaporation & wind.
  - Graphical displays of various climatological features.
  - Station indices and locator maps.
  - Monthly totals of heating degree days and snowfall are published as seasonal tables in the July issue.
- \* **ANNUAL SUMMARY** contains monthly and annual:
  - Total precipitation and departures from normal.
  - Average temperatures and departures from normal.
  - Temperature extremes and freeze data.
  - Soil temperatures.
  - Total evaporation and wind movement.
  - Monthly and seasonal cooling degree days.
  - Graphical displays of various climatological features.
  - Station indices and locator maps.

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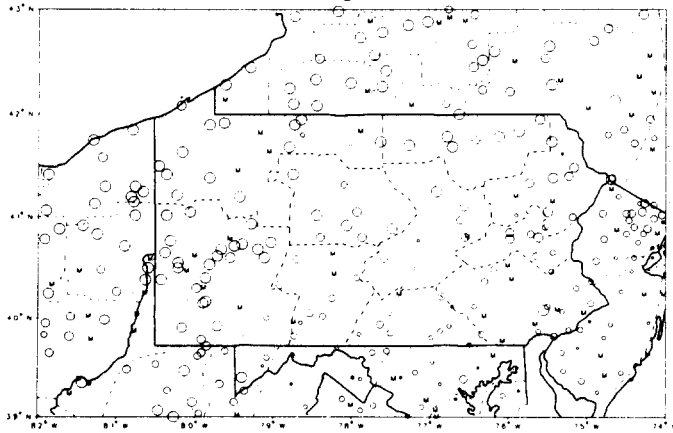


# CLIMATOLOGICAL DATA PENNSYLVANIA JANUARY 1988 VOLUME 93 NUMBER 1

ISSN 0364-5843

MONTHLY PRECIPITATION DEPARTURE FROM  
INDIVIDUAL STATION NORMALS (1951-1980)

- INCOMPLETE DATA FOR THE MONTH
- EXACTLY NORMAL
- 5 TO 20% 50% OR MORE BELOW NORMAL
- 10 TO 45% 100% OR MORE ABOVE NORMAL



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM INFORMATION RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER

*Kenneth D. Nelson*  
DIRECTOR, NATIONAL CLIMATIC DATA CENTER

**noaa**

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The Annual issue contains monthly and annual averages of temperature, precipitation, temperature extremes, freeze data, soil temperatures, evaporation, and a recap of monthly cooling degree days.

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